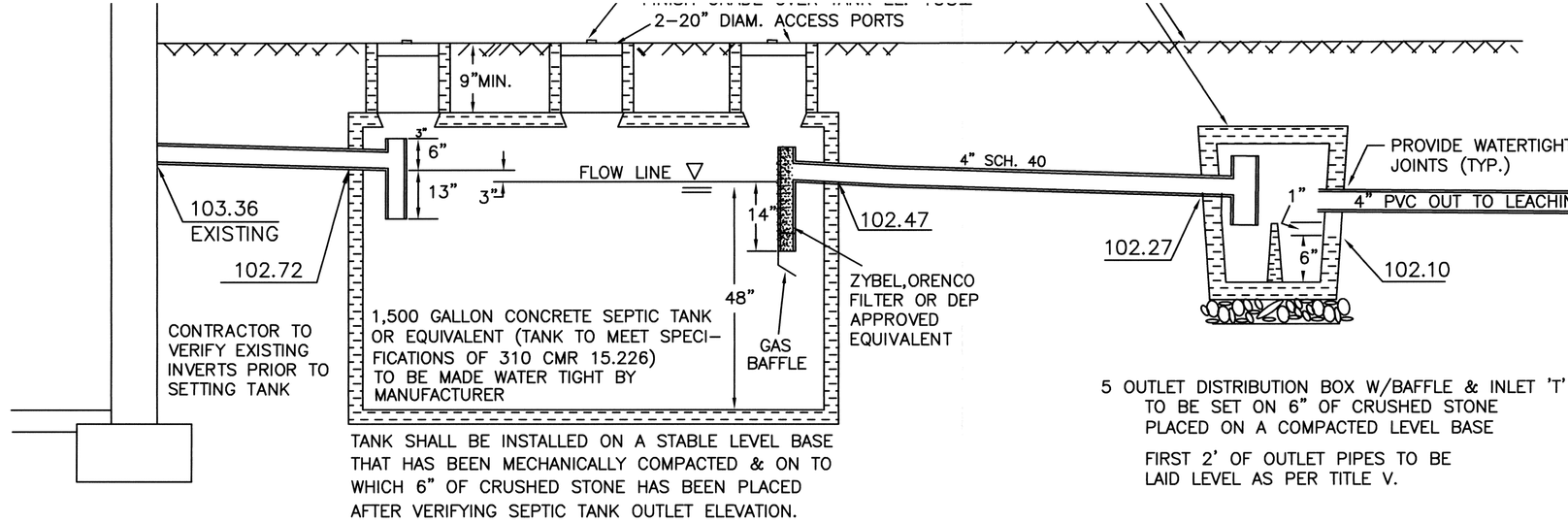
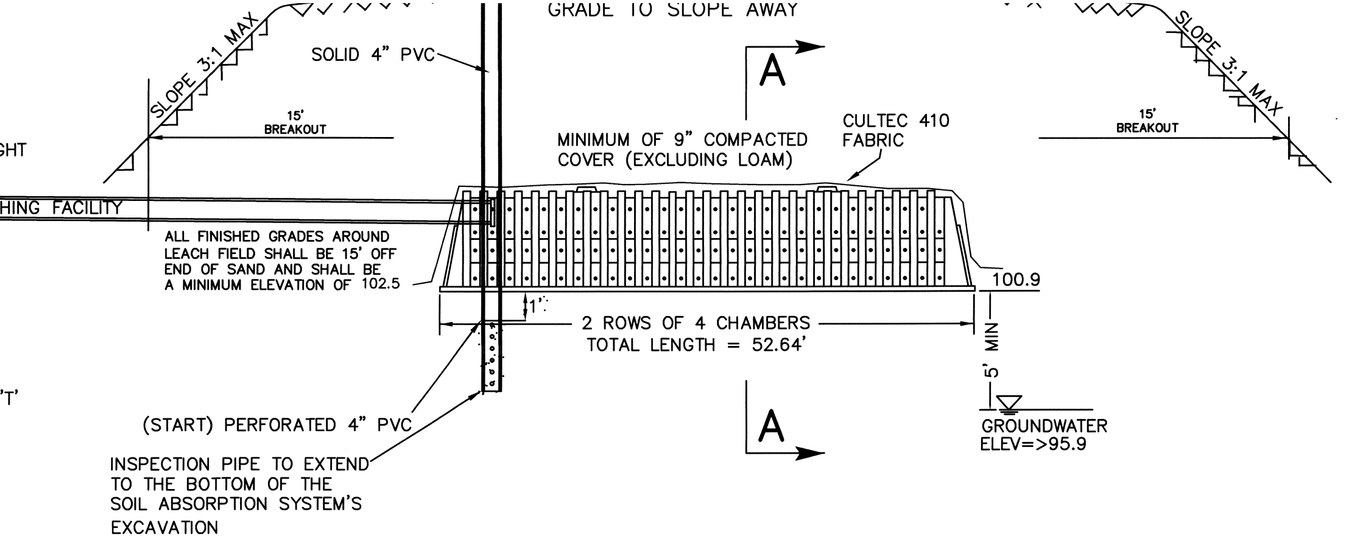


SEPTIC TANK PROFILE

N.T.S.



DISTRIBUTION BOX DETAIL

N.T.S.

CULTEC CHAMBER PROFILE

N.T.S.

1) THIS SEWAGE DISPOSAL SYSTEM SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE REGULATIONS OF TITLE 5 OF THE STATE ENVIRONMENTAL CODE AND THE REGULATIONS OF THE LOCAL BOARD OF HEALTH.

2) THE LOCAL BOARD OF HEALTH AND THIS FIRM ARE TO BE NOTIFIED:
   (A) PRIOR TO BEGINNING CONSTRUCTION IN THE EXCAVATION FOR THE PURPOSE OF SOIL EXAMINATION TO INSURE CONTINUITY OF PERMEABLE MATERIAL.
   (B) PRIOR TO BACKFILLING THE COMPLETED SYSTEM FOR THE PURPOSE OF PERFORMING AN AS-BUILT INSPECTION.
   (C) PRIOR TO CONSTRUCTING THE SYSTEM IN A MANNER OTHER THAN SHOWN ON THIS DESIGN.

3) CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION THROUGH DIG SAFE AND OTHER APPROPRIATE AGENCIES. REPORT ANY DISCREPANCIES TO THE DESIGN ENGINEER.

4) ALL SEPTIC SYSTEM COMPONENTS SHALL WITHSTAND H-10 LOADING UNLESS LOCATED IN AREAS UNDER PAVEMENT, DRIVES OR TRAVELLED WAY IN WHICH CASE THEY SHALL WITHSTAND H-20 LOADING.

5) WHERE REQUIRED CONTRACTOR WILL REMOVE ALL LOAM, SUBSOIL AND OTHER UNSUITABLE MATERIAL IN THE AREA BENEATH AND FOR 5 FEET ON ALL SIDES OF THE LEACHING FACILITY. THE CONTRACTOR SHALL REPLACE ALL UNSUITABLE MATERIAL WITH CLEAN COARSE SAND FREE FROM CLAY, FINES OR OTHER UNSUITABLE MATERIAL. REPLACEMENT MATERIAL TO HAVE AN INPLACE PERC RATE OF TWO MINUTES OR LESS.

6) 4" SCHEDULE 40 PVC PIPE WITH TIGHT JOINTS TO BE USED IN DISPOSAL SYSTEM UNLESS OTHERWISE NOTED.

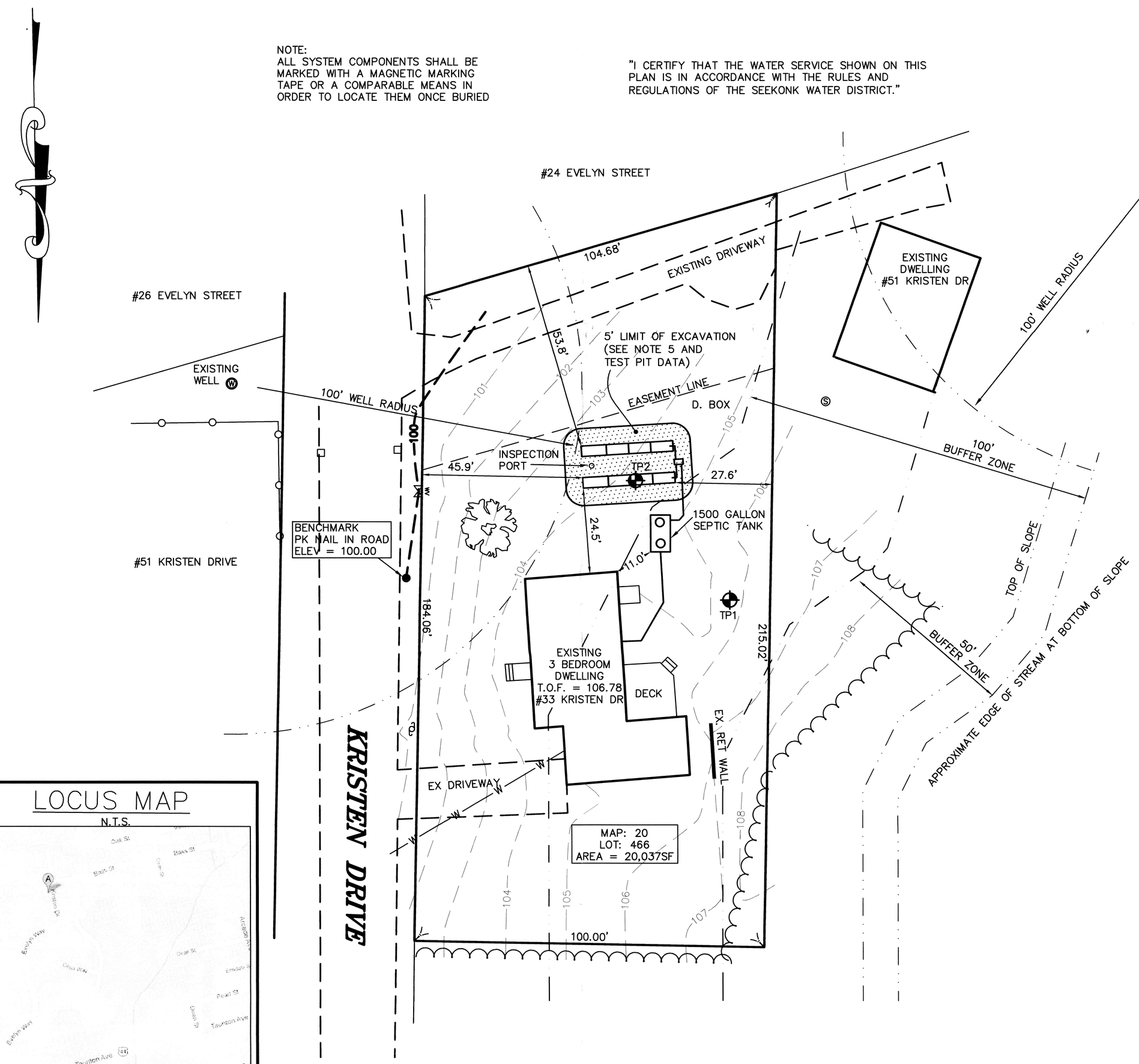
7) THIS SYSTEM IS NOT DESIGNED FOR USE WITH A GARBAGE DISPOSAL

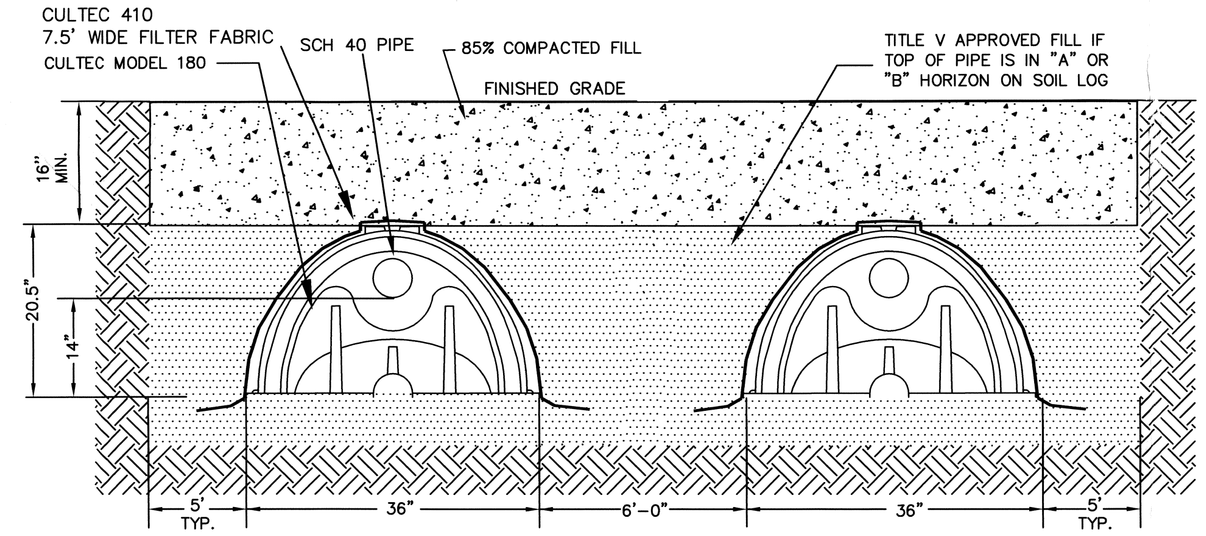
INSPECTION AND AS-BUILT REQUIREMENTS

THE ENTIRE SYSTEM TO BE INSTALLED INCLUDING BUT NOT LIMITED TO RISERS. PUMPS AND ELECTRICAL SHALL BE OPERATIONAL.
FOR PUMP SYSTEMS – ALL FLOATS WITH WEIGHTS TO BE SET AND SIGNED OFF BY THE ELECTRICAL INSPECTOR

NOTE:
ALL SYSTEM COMPONENTS SHALL BE MARKED WITH A MAGNETIC MARKING TAPE OR A COMPARABLE MEANS IN ORDER TO LOCATE THEM ONCE BURIED

"I CERTIFY THAT THE WATER SERVICE SHOWN ON THIS PLAN IS IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE SEEKONK WATER DISTRICT."





CULTEC MODEL 180 (A-A)

N.T.S.

TEST PIT DATA

WITNESS: BETH HALLAL
PERFORMED BY: JAMES HALL

DATE: 7/26/11

TEST PIT # : 1
EL. TOP = 105.9
EL. WATER = >95.9

0"	A SANDY LOAM 2.5Y 3/3	105.5	REMOVE & REPLACE
4"	B SANDY LOAM 2.5Y 7/8	103.2	
32"	C SAND 2.5Y 7/1	95.9	
120"			

TEST PIT # : 2
EL. TOP = 104.5
EL. WATER = >94.0
PERC RATE = <2 M.P.I.

0"	A SANDY LOAM 2.5Y 3/3	102.5	REMOVE & REPLACE
24"	B SANDY LOAM 2.5Y 7/8	100.5	
48"	C SAND 2.5Y 7/1	94.0	
126"			

DESIGN DATA

CAPACITY REQUIRED

3 BEDROOMS AT 110 GAL./DAY/BDRM. = 330 GAL./DAY

SEPTIC TANK

330 GALS X 200% = 660 GALS. DESIGN CAPACITY
USE 1,500 GALLON SEPTIC TANK

CAPACITY PROVIDED

BOTTOM AREA: > PER D.E.P. PERMIT OF GRAVELESS SYSTEM:
SIDEWALL AREA: 8.9 SF/LF/(180 CHAMBER) x 52.64' = 468 SF x .74 GPD/SF = 346 GPD

RDA

TOTALS

TOTAL LEACHING AREA: 468 S.F.
TOTAL LEACHING CAPACITY: 346 GPD

RECEIVED SEP 25 2012 SEEKONK BOARD OF HEALTH

SEWAGE DISPOSAL SYSTEM DESIGN

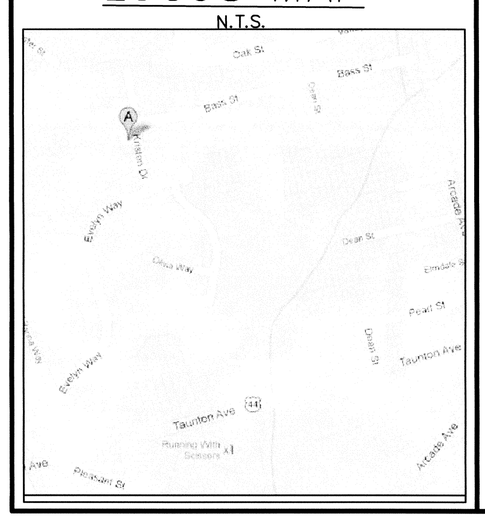
PREPARED FOR: CHARLIE ROBERTS
33 KRISTEN DR
SEEKONK, MA 02771

LOCATION: 33 KRISTEN DRIVE
SEEKONK, MASSACHUSETTS

DATE	SCALE	DRAWN	CHECKED	JOB NO.	DWG. NO.
8/23/12	1" = 20'	MH	T.C.	12-199	12-199

LOCUS MAP

N.T.S.



GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

LEGEND

— — 100 — —	EXISTING CONTOUR
—— 100 ——	PROPOSED CONTOUR
	TEST PIT
	SEPTIC TANK
	PUMP CHAMBER
	DIST. BOX
	WELL
—— • • ——	LIMIT OF WETLAND
	WETLAND FLAG

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