

NOTES

1. NO SYSTEM TO BE BACKFILLED OR CONCEALED WITHOUT THE REQUIRED INSPECTION BY THE BOARD OF HEALTH.
2. AS BUILT AND CONSTRUCTION CERTIFICATION TO BE PREPARED BY DESIGN ENGINEER.
3. CERTIFICATION OF CONSTRUCTION REQUIRED BY THE INSTALLER.
4. SYSTEM SHALL BE STAKED AND FLAGGED FROM DATE OF INSTALLATION UNTIL CERTIFICATE OF COMPLIANCE IS ISSUED.
5. SITE IS NOT IN A NITROGEN SENSITIVE AREA.
6. THERE ARE NO PUBLIC WELLS WITHIN 400' OF SEPTIC SYSTEM.
7. THERE ARE NO PRIVATE WELLS WITHIN 150' OF SEPTIC SYSTEM.
8. THERE ARE BORDERING VEGETATED WETLANDS WITHIN 100' OF "SOIL ABSORPTION SYSTEM".
9. THERE ARE INLAND BANKS WITHIN 200' OF SOIL SAS SYSTEM.
10. THERE ARE NO SURFACE WATERS WITHIN 100' OF SOIL SAS SYSTEM.

11. THERE ARE NO WETLANDS BORDERING SURFACE WATER SUPPLIES OR TRIBUTARIES WITHIN 100' OF SEPTIC SYSTEM.
12. THERE ARE NO OPEN, SURFACE, OR SUBSURFACE DRAINS WHICH INTERCEPT HIGH GROUND WATER WITHIN 50' OF SOIL SAS SYSTEM.
13. THERE ARE NO OTHER OPEN, SURFACE, OR SUBSURFACE DRAINS.
14. THERE ARE NO FOUNDATION DRAINS.
15. THERE ARE NO VERNAL POOLS WITHIN 100' OF SOIL SAS SYSTEM.
16. THERE ARE NO LEACHING CATCHBASINS OR DRY WELLS WITHIN 25' OF SOIL ABSORPTION SYSTEM.
17. THERE ARE NO REGULATORY FLOODWAYS.
18. THERE IS NO 100 YEAR FLOOD LIMIT.
19. THERE ARE NO INDUSTRIAL CATEGORY OR OTHER PROHIBITED WASTEWATERS.
20. COMMERCIAL SYSTEMS ARE NOT SIZED FOR A GARBAGE GRINDER.
21. RESIDENTIAL SYSTEMS ARE NOT SIZED FOR GARBAGE GRINDERS.
22. GROUNDWATER ADJUSTMENT USED-MOTTLES

23. FINISH GRADE TO BE DONE IN ACCORDANCE WITH THE PLAN.
24. ALL ELEVATIONS REFER TO ASSUMED.
25. FOR PROPER PERFORMANCE, THE SEPTIC TANK SHOULD BE PUMPED ANNUALLY.
26. ALL TOPSOIL, FILL, OR OTHER UNSUITABLE MATERIAL WITHIN 5' OF THE PROPOSED LEACHING AREA, WHICH LIES BELOW THE INVERT ELEVATION, MUST BE REMOVED AND REPLACED WITH GRAVEL IN COMPLIANCE WITH 310 CMR, TITLE 5, 15.255(3). IS REQUIRED
27. SOIL EVALUATOR - PAUL SAULNIER
28. LIMITING SOIL LAYER - NONE
29. MAGNETIC TAPE IS REQUIRED TO BE INSTALLED OVER TANK COVERS, D-BOX, INSPECTION PORTS AND ALL SEPTIC LINES.
30. ONE 4" PVC OBSERVATION PIPE WITH A SCREW CAP IS TO BE INSTALLED WITHIN THE SAS AND SHALL BE SET AT A MAXIMUM OF 3" FROM FINISH GRADE

LEGEND

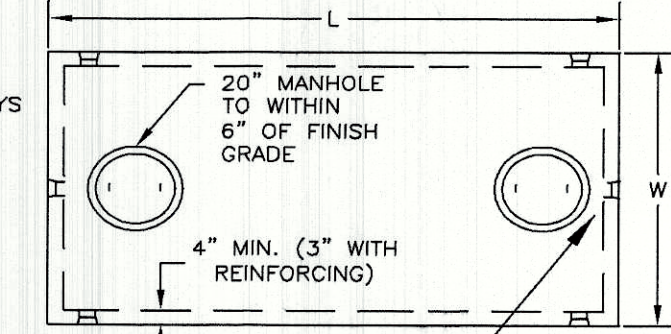
EXISTING	PROPOSED
CONTOUR	CONTOUR
DRAIN	DRAIN
CATCH BASIN	CATCH BASIN
DRAIN MANHOLE	DRAIN MANHOLE
SEWER	SEWER
SEWER MANHOLE	SEWER MANHOLE
ELECTRIC	ELECTRIC
WATER	WATER
GATE VALVE	GATE VALVE
HYDRANT	HYDRANT
GAS	GAS
TEST HOLE	TEST HOLE
PERK TEST	PERK TEST

SYSTEM DESIGN

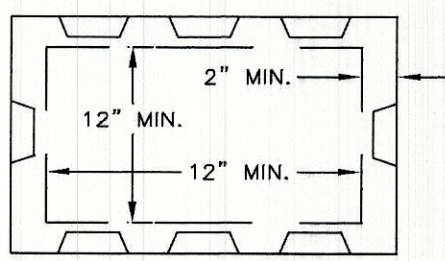
BEDROOMS: 4 DESIGN FLOW: 440 GPD X 4 BEDROOMS = 440 GPD SEPTIC TANK: 1,500 GAL PERC RATE: 20 MIN/IN
GARBAGE GRINDER: NO
PROPOSED SYSTEM: USE 20" X 42" X 6" BED WITH SCH 40 - 4" PERFORATED 5/8" HOLES PVC PIPE.
DESIGN CAPACITY: 440 G.P.D. DIVIDED BY 0.53 = 830.18 REQUIRED (840 S.F PROVIDED)

SEPTIC TANK PLAN VIEW

TANK TO HAVE OUTLET GAS BAFFLE
PRECAST CONC. TANK SHALL MEET THE FOLLOWING REQUIREMENTS PER TITLE V:
CONC. STRENGTH $f'_c=4,000\text{psi}$ @ 28 DAYS
CONC. DENSITY = 140 pcf
PORTLAND TYPE I OR II CEMENT PER ASTM C150-81
FOR WIRE FABRIC: GRADE 40/60 R/D OR EQUIVALENT
TANK SHALL BE EMBOSSED WITH A SEAL STATING THAT ASTM C1227-93 HAS BEEN MET
DISTANCE BETWEEN INLET/OUTLET TEES SHALL BE GREATER THAN LIQUID DEPTH



DIST. BOX PLAN VIEW

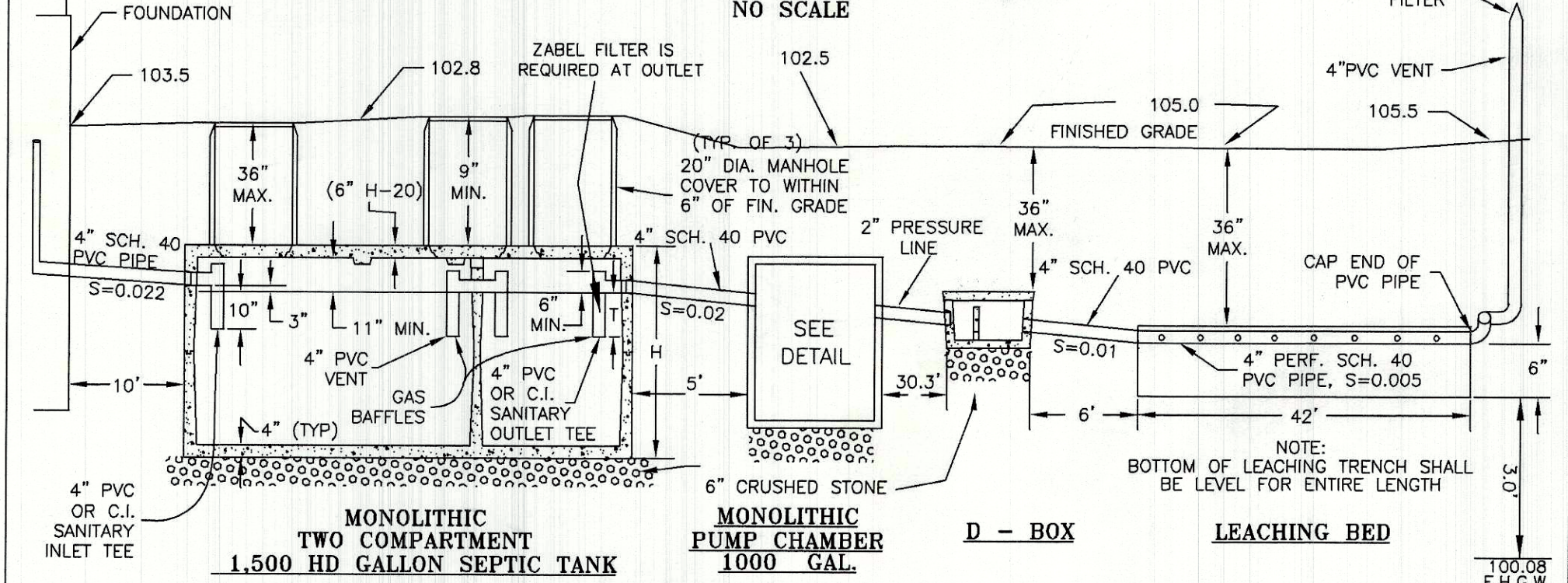


ALL DISTRIBUTION BOX OUTLET PIPES SHALL BE LEVEL FOR TWO FEET. ALL OUTLET PIPES SHALL HAVE THE SAME INVERT ELEV. AT THE DIST. BOX. IF INLET PIPE SLOPE EXCEEDS 0.08, PROVIDE CONC. BAFFLE TO 1" ABOVE OUTLET INV. ELEV. MIN. SUMP BELOW OUTLET INV. ELEV. = 6-INCHES OUTLET INV. ELEV. SHALL BE AT LEAST 2-INCHES BELOW THE INLET INV. ELEV.

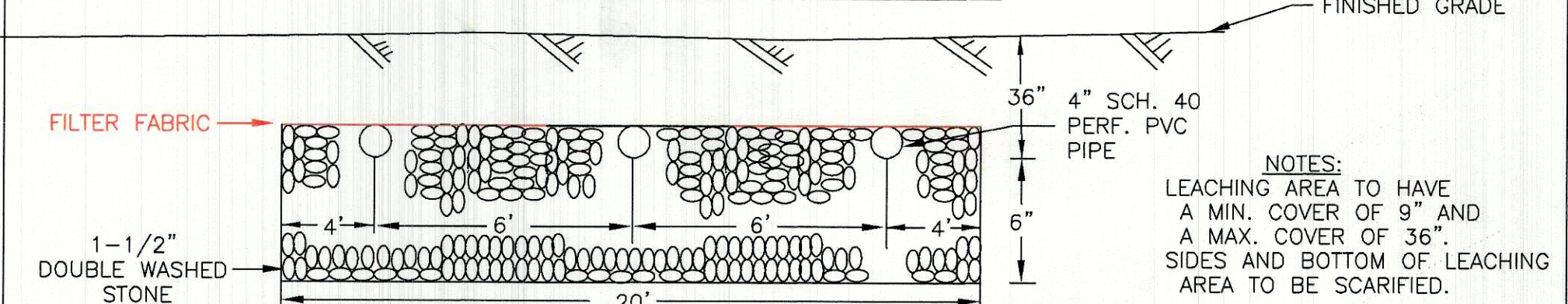
SEPTIC TANK DIMENSION TABLE

TANK VOL.	D	H(H-10)	H(H-20)	L	T	W
1,500 GAL.	4'-4"	5'-8"	5'-10"	10'-6"	19"	5'-8"

PROFILE OF SYSTEM



BED DETAIL



SOIL TEST RESULTS

SOIL EVALUATOR Paul Saulnier P.E.
WITNESSED BY Derek Kwok R.S.

TP #1	5/21/26	101.3
SOIL HORIZONS	SOIL DEPTH	SOIL COLOR
FILL	0'-24"	LOAM
BURIED A	24'-28"	LOAM
BW	28'-52"	10YR4/6
CR	52'-72"	5Y5/3
MOTTLES	52'	7.5YR5/8

TP #4	5/21/26	103.4
SOIL HORIZONS	SOIL DEPTH	SOIL COLOR
FILL	0'-8"	LOAM
BW	8'-40"	10YR4/6
CR	40'-102"	5Y5/3
MOTTLES	40'	7.5YR5/8

SCHEDULE OF ELEVATIONS

Top of Found. (T.C.)	108.98
Basement Floor	101.66
Invert of Pipe at Found	101.22
Invert at S. Tank Inlet	101.00
Invert at S. Tank Outlet	100.75
Invert at P. Chamber Inlet	100.65
Invert at P. Chamber Outlet	100.40
Invert at D. Box Inlet	104.02
Invert at D. Box Outlet	103.85
Invert at Leach Lines (Beg.)	103.79
Invert at Leach Lines (End)	103.58
Elevation of Bed Bottom	103.08
Finish Grade Over Leach Area (F.G.)	105.0-105.5

NOTES

ANY ALTERATIONS MUST BE APPROVED IN WRITING BY THE DESIGN ENGINEER. ANY CONDITIONS ENCOUNTERED DURING CONSTRUCTION DIFFERING FROM THOSE SHOWN OR REPORTED HEREON SHALL BE REPORTED TO THE DESIGN ENGINEER BEFORE CONSTRUCTION CONTINUES.

TEST HOLE INFORMATION SHOWN HERE ON IS LIMITED TO SOIL CONDITIONS FOUND AT THAT PARTICULAR LOCATION AND IS NOT TO BE CONSIDERED AN IMPLIED OR EXPRESS WARRANTY OF SOIL CONDITIONS BEYOND THE LIMITS OF SUCH TEST HOLES.

REVISION	DATE	BY

PERCOLATION RESULTS

NO.	DEPTH	RATE	DATE	BY	INSP.
PERC 1	40"-52"	20 MIN/IN	5/21/26	P.S.	D.K.

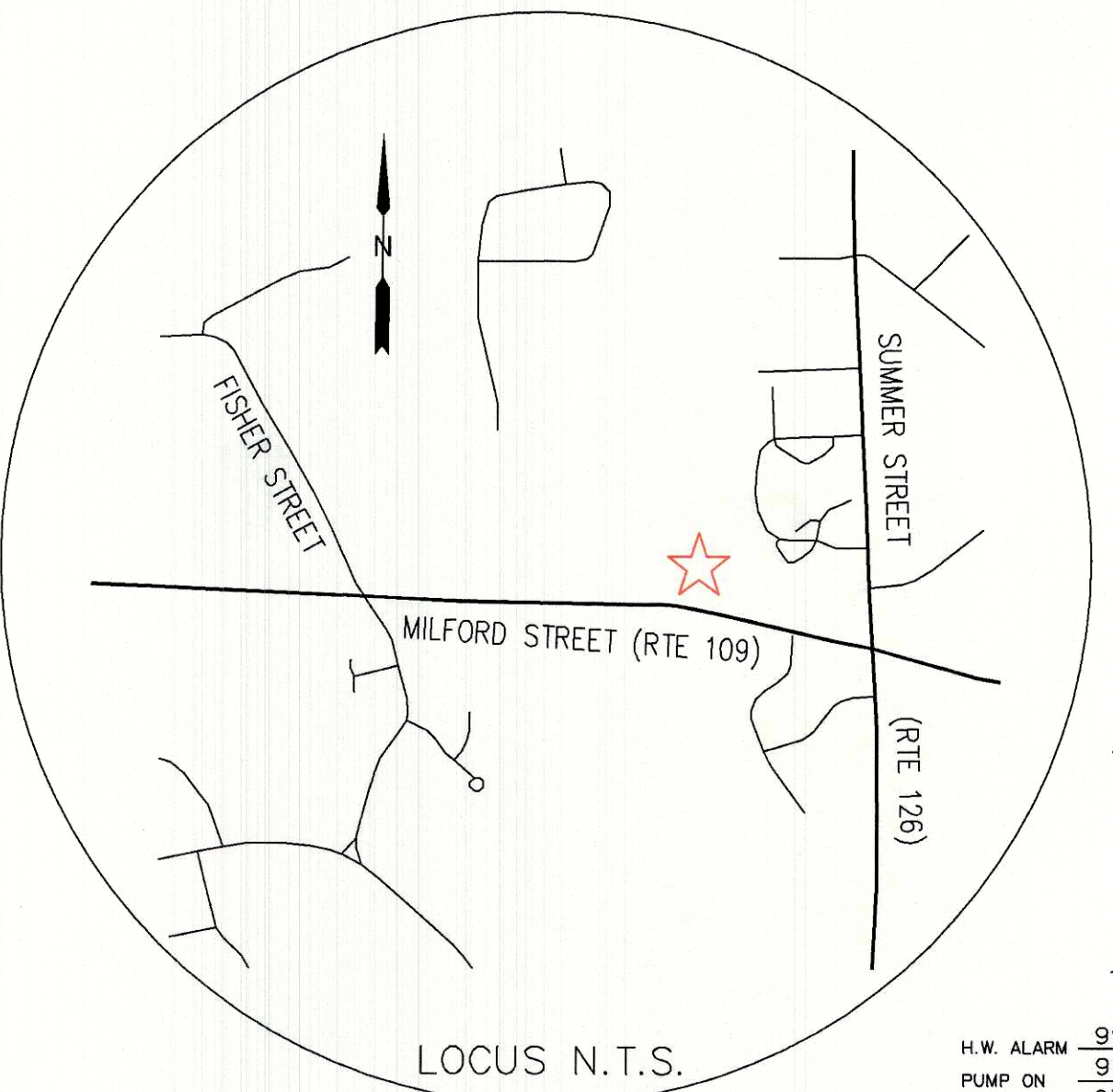
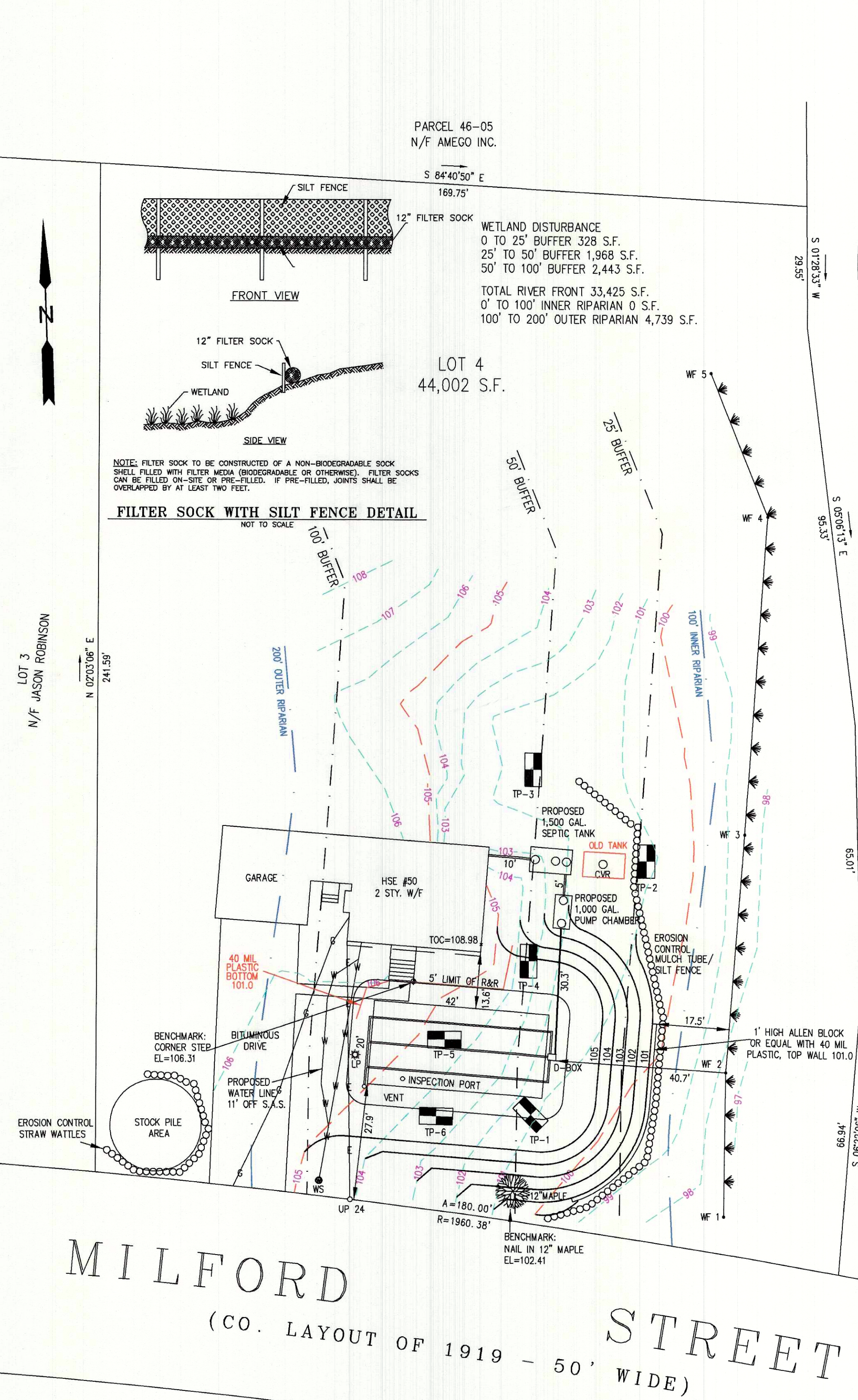
BREAKOUT ELEVATION = 104.29 AT 3 TO 1 SLOPE
NO EASEMENTS OF RECORD
SEE ABANDONMENT NOTE FOR EXISTING TANK.
REQUEST WAIVER FOR SETBACK FROM S.A.S. TO FOUNDATION
310 CMR 15.211 (1) (2) REQUIRED, REQUESTING 13.6' WITH 40 MIL)
REQUEST WAIVER FOR SETBACK FROM S.A.S. E.H.C.W.
310 CMR 15.212 (1)(a) (4) REQUIRED, REQUESTING 3' WITH 40 MIL)

PROPOSED SEWAGE DISPOSAL SYSTEM 50 MILFORD STREET MEDWAY, MA.

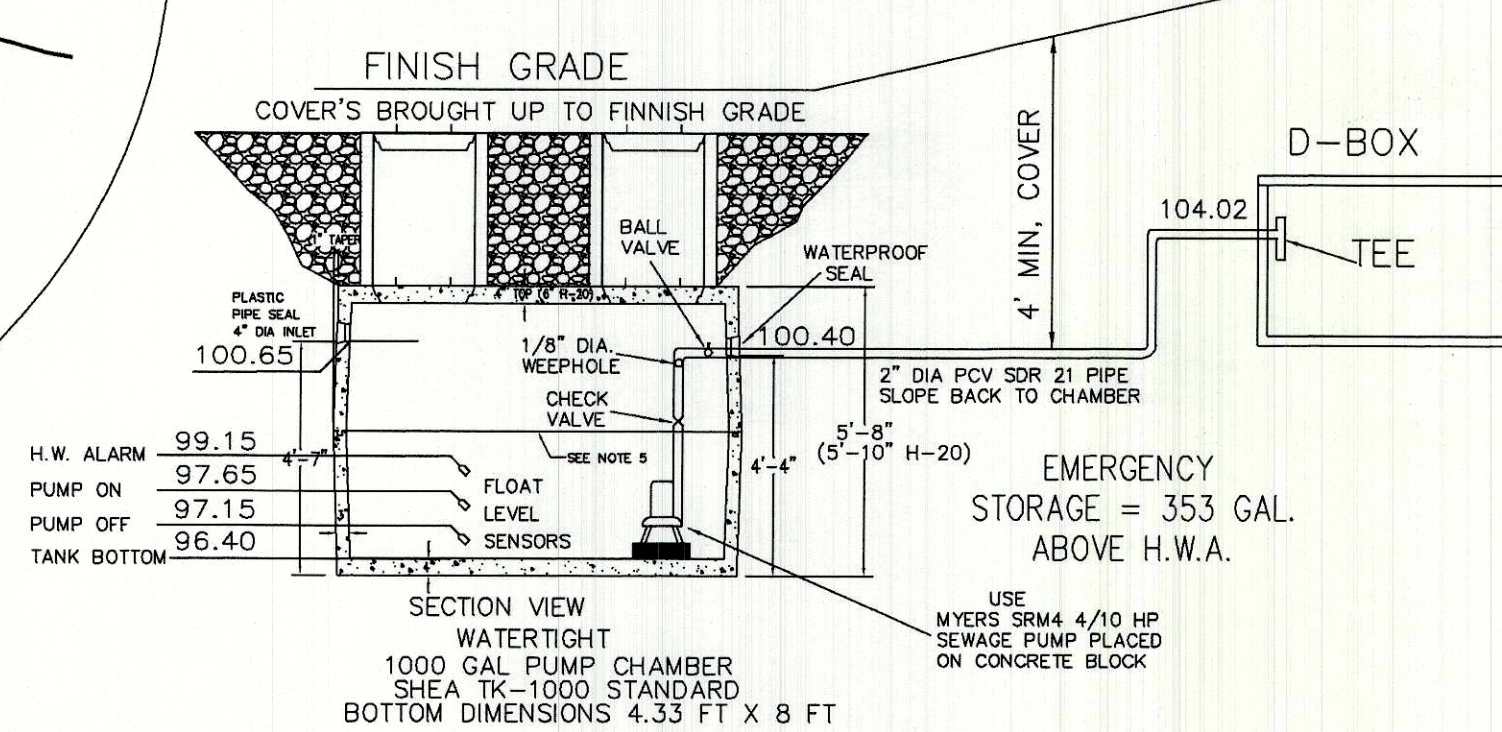
MAP 46 PARCEL 17

COLONIAL ENGINEERING, INC.
PO BOX 95
MEDWAY, MA. 02053
PH. 508-533-1644
FAX 508-533-1645

DATE: 06/17/26 SCALE: 1" = 20'
OWNER: 50 Milford Street LLC
ADDRESS: 50 Milford Street Medway, Ma. 02053
DEED BK. 4564 Pg. 278



EFFLUENT PUMP CHAMBER



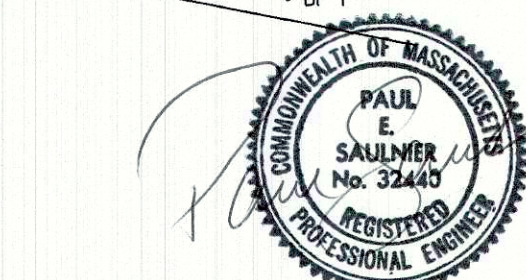
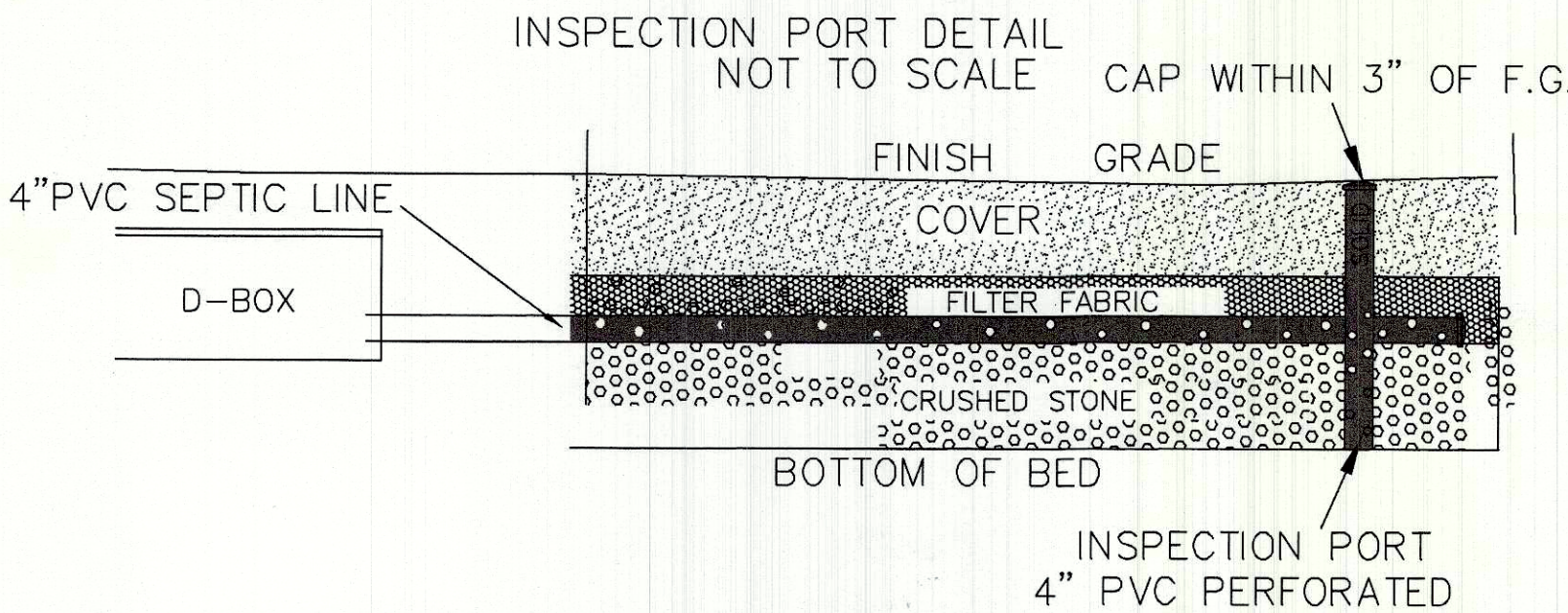
NOTE: HIGH WATER ALARM SHALL CONSIST OF A RED LIGHT AND HORN TO BE MOUNTED WITHIN THE BUILDING, WIRED ON A SEPARATE ELECTRICAL CIRCUIT. PROVIDE ALARM TEST SWITCH. PROVIDE ALARM SILENCER SWITCH

NOTE: THE LICENSED SEPTIC INSTALLER SHALL REVIEW EXISTING PLUMBING IN THE BUILDING AND VERIFY THE ELEVATION OF THE OUTLET PIPE TO PROPOSED TANK PRIOR TO COMMENCEMENT OF THE INSTALLATION OF ANY SEPTIC COMPONENTS.

I CERTIFY THAT I AM CURRENTLY APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION PURSUANT TO 310 CMR 15.017 TO CONDUCT SOIL EVALUATIONS AND THAT THE INDICATED ANALYSIS HAS BEEN PERFORMED 5/21/26 BY ME CONSISTENT WITH THE REQUIRED EXPERTISE AND EXPERIENCE DESCRIBED IN 310 CMR 15.017. I FURTHER CERTIFY THAT THE RESULTS OF MY SOIL EVALUATION, AS INDICATED ON THE SUBMITTED SOIL EVALUATION FORM, ARE ACCURATE AND IN ACCORDANCE WITH 310 CMR 15.100 THROUGH 15.017.

PAUL E. SAULNIER P.E.

BED DETAIL



NOTE:

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTORS TO VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. DIG SAFE IS TO BE NOTIFIED 72 WORKING HOURS IN ADVANCE OF CONSTRUCTION. DIG SAFE 1-888-DIG-SAFE

Title V 15.354 Abandonment of Systems

- (1) Whenever the use of a system is disconnected following connection to a municipal or private sanitary sewer or following condemnation or demolition of a building served by the system, the system shall be considered abandoned and any further use of the system for any purpose shall be prohibited unless, after inspection, the approving authority determines the system is in compliance or can be brought into compliance with 310 CMR 15.000.
- (2) Continued use of a septic tank where the tank is to become an integral part of a sanitary sewer system requires the prior written approval of the Department.
- (3) The following procedure shall be used to abandon a system:
 - (a) The facility owner shall apply to the approving authority to abandon the existing system citing the reason(s) abandonment is necessary, and where connection to municipal or private sanitary sewer has been made, a copy of the sewer connection permit shall be submitted with the application.
 - (b) Upon receipt of the approving authority's written approval to abandon the system, the septic tank shall be pumped of its entire contents by a licensed septage hauler; and
 - (c) The tank shall be excavated and removed from the site, or the bottom of the tank shall be opened or ruptured after being pumped of its contents so as to prevent retainage of water and the tank shall be completely filled with clean sand.

