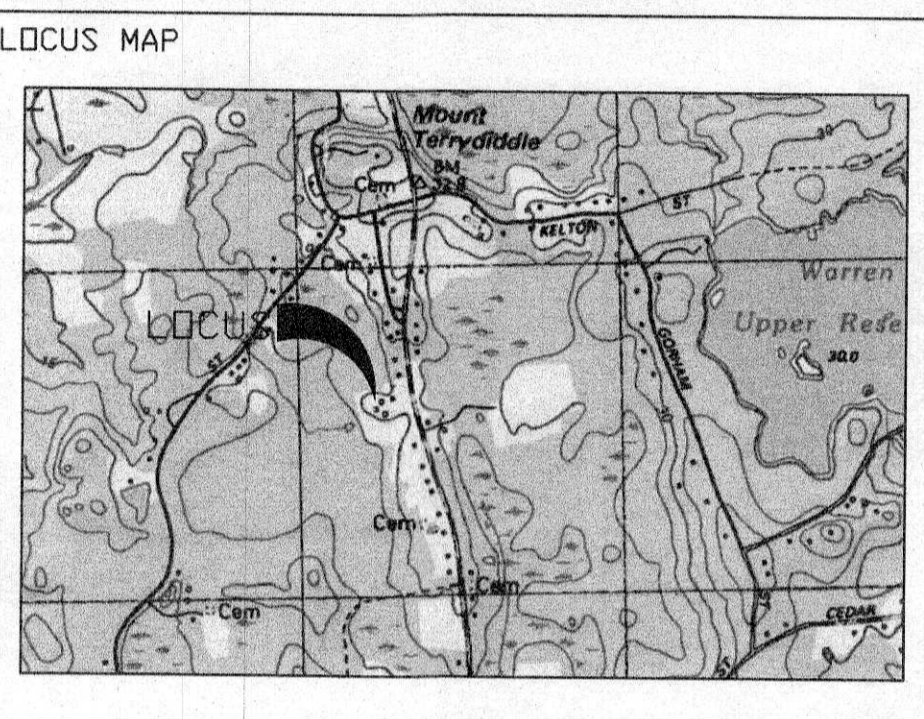


- ### GENERAL NOTES:
1. ALL CONSTRUCTION SHALL CONFORM TO THE TOWN OF REHOBOTH BOARD OF HEALTH RULES AND REGULATIONS AND TITLE 5, THE STATE ENVIRONMENTAL CODE.
 2. THIS PLAN IS TO BE USED FOR THE CONSTRUCTION OF THE DESIGN DISPOSAL SYSTEM. THIS PLAN DOES NOT REPRESENT ACTUAL AS BUILT CONDITIONS UNLESS OTHERWISE NOTED.
 3. THE PROPOSED SYSTEM SHOWN HEREON IS NOT DESIGNED FOR THE USE OF A GARBAGE DISPOSAL AND SAID USE IS NOT ALLOWED.
 4. THE SEPTIC TANK SHOULD BE PAID OUT EVERY ONE TO TWO YEARS DEPENDING ON USE.
 5. VEHICLE TRAFFIC OF ANY KIND IS NOT ALLOWED OVER ANY OF THE SEPTIC COMPONENTS INCLUDING THE SEPTIC TANK, D-BOX AND LEACHING CHAMBERS.
 6. TIGHT JOINT PIPING TO CONSIST OF POLYVINYL CHLORIDE PIPE (PVC) SCHEDULE 40, UNLESS OTHERWISE NOTED.
 7. NO PERMANENT STRUCTURE MAY BE CONSTRUCTED OVER THE SEPTIC SYSTEM AREA.
 8. BEFORE BEGINNING ANY EXCAVATION OR DEMOLITION CALL 'DIG SAFE' AT 1-888-344-7233 TO NOTIFY MEMBER UTILITIES.
 9. THE GRADE ABOVE AND ADJACENT TO THE LEACHING FACILITY SHALL BE SLOPED TO PREVENT THE ACCUMULATION OF SURFACE DRAINAGE (2% MINIMUM SLOPE).
 10. THE OVER-DIG AREA, (DD) IF SHOWN HEREON IS TO BE STRIPPED OF ALL TREES, BRUSH, STUMPS, TOPSOIL, PEAT, OR OTHER IMPERVIOUS MATERIALS. THE (DD) AREA EXTENDS 5 FEET HORIZONTALLY AROUND THE PROPOSED SYSTEM AND TO THE DEPTH SPECIFIED. THE REPLACEMENT MATERIAL SHALL MEET SPECIFICATIONS OF 310 CMR 15.255 OF THE STATE ENVIRONMENTAL CODE.
 11. ANY SOILS, STONE OR SEPTIC COMPONENTS ASSOCIATED WITH EXISTING FAILED LEACHING FACILITIES SHALL BE REMOVED AND REPLACED WITH MATERIAL MEETING SPECIFICATIONS OF 310 CMR 15.255 OF THE STATE ENVIRONMENTAL CODE.
 12. THERE SHALL BE NO BACK FILLING PRIOR TO ENGINEERING AND BOARD OF HEALTH INSPECTION AND APPROVAL.
 13. INSPECTION PORT TO BE 4\"/>
 - 14. ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC MARKING TAPE OR A COMPARABLE MEANS IN ORDER TO LOCATE THEM ONCE BURIED.
 - 15. THE FINISHED GRADE OVER SEPTIC SYSTEM SHALL BE GRADED, LOAMED, AND SEEDED.
 - 16. PER 310 CMR 15.004 APPLICABILITY (8) ...BACKWASH OF WATER PURIFICATION OR FILTRATION DEVICES SHALL NOT BE DISCHARGED TO AN ON-SITE SYSTEM...

LOCAL UPGRADE APPROVAL REQUEST:
 1) 310 CMR 15.404 (2) (b) "A MINIMUM OF FIVE FEET OF SEPARATION BETWEEN THE BOTTOM OF THE SOIL ABSORPTION SYSTEM AND THE HIGH GROUNDWATER ELEVATION SHALL BE PROVIDED, USING FILL IF NECESSARY. THE LOCAL APPROVING AUTHORITY MAY ALLOW A FOUR FOOT SEPARATION ONLY IN FULL COMPLIANCE WITH 310 CMR 15.405

WE ARE REQUESTING A LOCAL UPGRADE APPROVAL TO REDUCE THE MINIMUM GROUNDWATER SEPARATION FROM 5 FEET TO 4 FEET AS PER 310 CMR 15.404. APPROVALS FOR UPGRADES TO MAXIMUM FEASIBLE COMPLIANCE.



CONSTRUCTION NOTE:

- 1) DSD systems associates, inc. TO BE NOTIFIED BY THE INSTALLING CONTRACTOR AT THE START OF CONSTRUCTION AND TO BE GIVEN 24 HOUR NOTICE FOR AS-BUILT.
- 2) WATER SOFTENER DISCHARGE IS TO BE ROUTED AWAY FROM THE BUILDING SEWER PER 310 CMR 15.004 APPLICABILITY (8) ...BACKWASH OF WATER PURIFICATION OR FILTRATION DEVICE SHALL NOT BE DISCHARGED TO AN ON-SITE SYSTEM. ...
- 3) GARBAGE DISPOSAL IS NOT ALLOWED AS PART OF THIS SEPTIC SYSTEM DESIGN. SEE GENERAL NOTE #3.

DESIGN CALCULATIONS

FLOW: EXISTING 3 BEDROOM DWELLING
 (3bdrm)(110gpd/bdrm) = 330 gpd -- PEAK=660gpd
 REHOBOTH UPSIZE=412.5gpd

SEPTIC TANK:
 NEW 1500 GAL SEPTIC TANK > 660gpd

SOIL ABSORPTION SYSTEM:
 RATE = (1/.74) sf/gpd FOR PERC = 3mpI CLASS I
 LEACHING AREA REQUIRED: 412.5/.74=558SF
 558SF X LF/4.72SF=118.3LF
 118.3LF X 1CHAMBER/4LF=29.6 CHAMBERS
 USE 3 ROWS OF 10 CHAMBERS IN A
 8.5' X 42.5' LEACHING BED
 CHECK: 30 CHAMBERS X 4LF/CHAMBER=120LF
 1 PAIR OF END CAPS=1.1LF
 DESIGN SHOWS 3 PAIR FOR A TOTAL OF 3.3LF
 (120LF + 3.3LF) X 4.72SF/LF=582SF>558SF

USE 30 INFILTRATOR QUICK4 STANDARD NOMINAL CHAMBERS

VEHICLE TRAFFIC OF ANY KIND IS NOT ALLOWED OVER ANY OF THE SEPTIC COMPONENTS INCLUDING THE SEPTIC TANK, D-BOX AND LEACHING CHAMBERS.

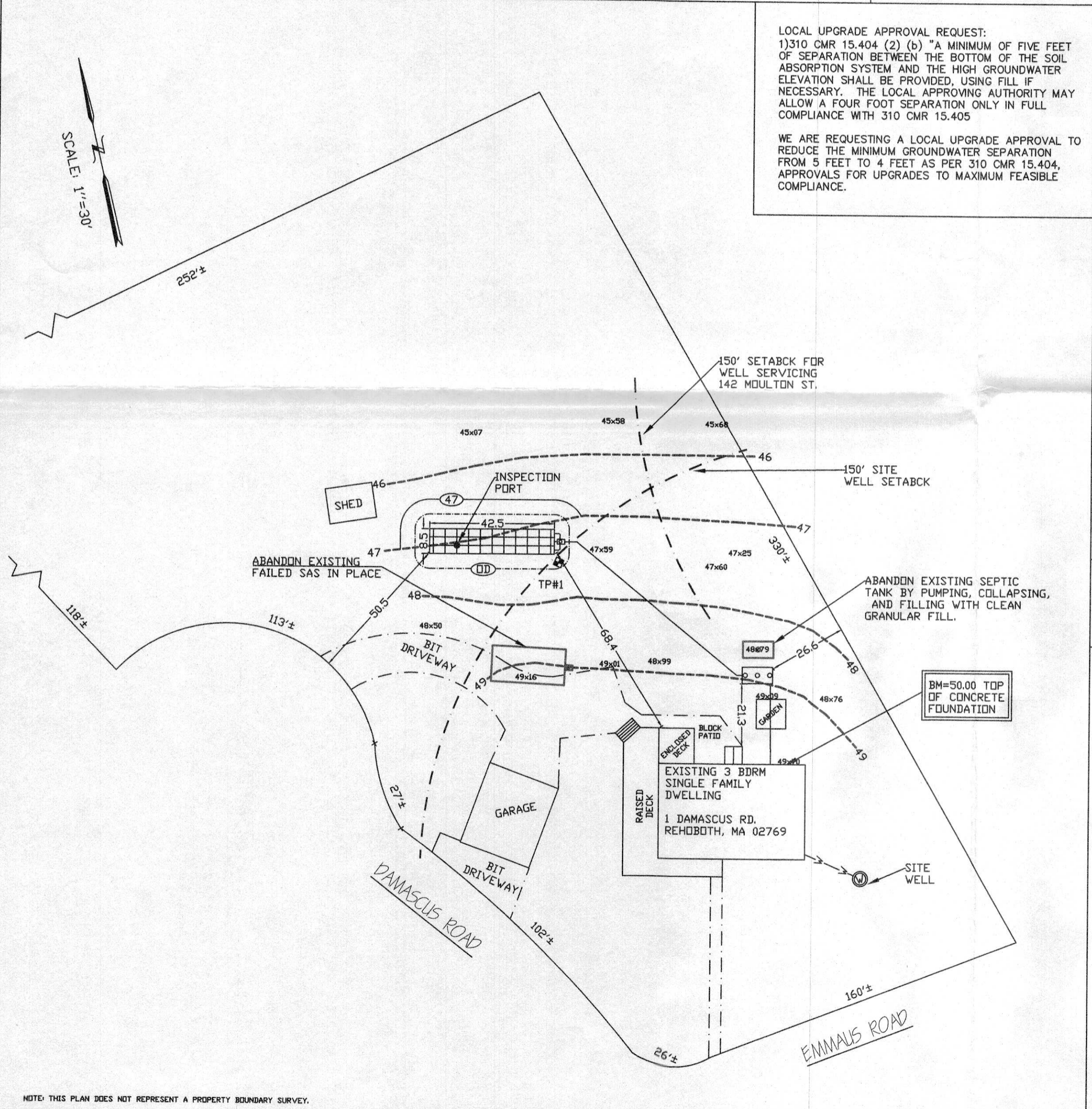
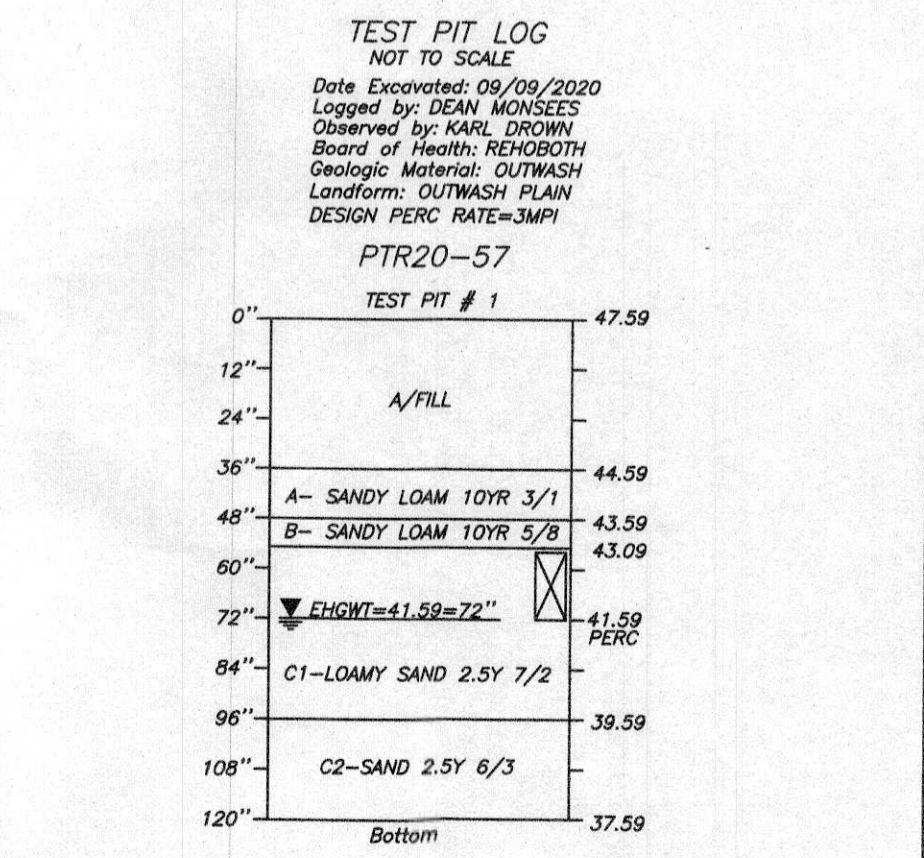
THERE ARE NO WELLS WITHIN 200 FEET OF THE PROPOSED SEPTIC LEACHING FACILITY OTHER THAN THOSE SHOWN.

LEGEND

DEEP OBSERVATION HOLE	TP#1	EXISTING CONTOUR	---47---
DISTRIBUTION BOX	[Symbol]	PROPOSED CONTOUR	—(47)—
SEPTIC TANK	[Symbol]	EXISTING SPOT GRADE	47x38
WELL	[Symbol]	WATER LINE	→→→

REVISIONS

DATE	DESCRIPTION
	SEWAGE DISPOSAL SYSTEM UPGRADE PLAN



NOTE: THIS PLAN DOES NOT REPRESENT A PROPERTY BOUNDARY SURVEY.

RECEIVED
 SEP 14 2020
 R20-03
 Board of Health

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 osdes@aol.com

OSD