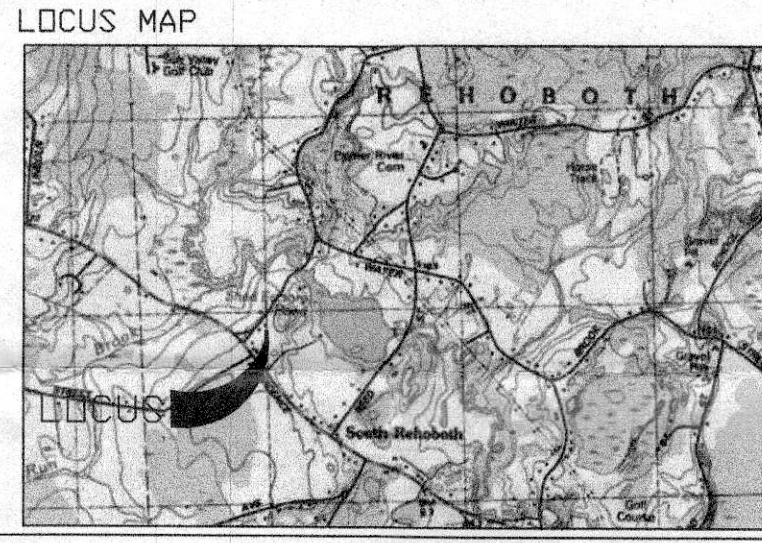
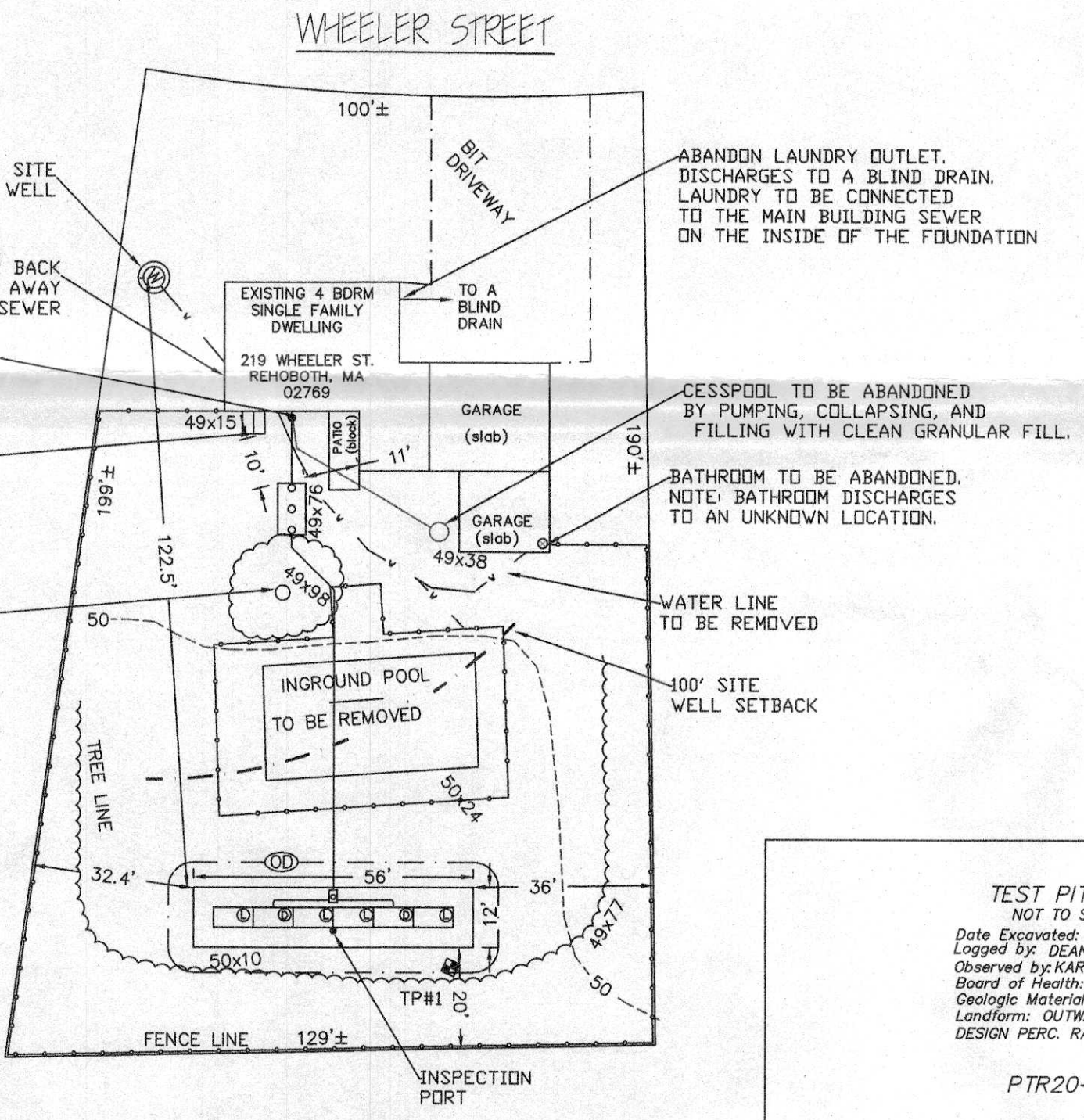
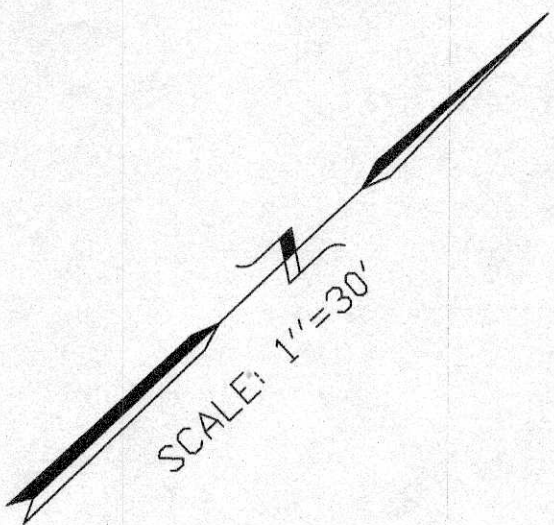
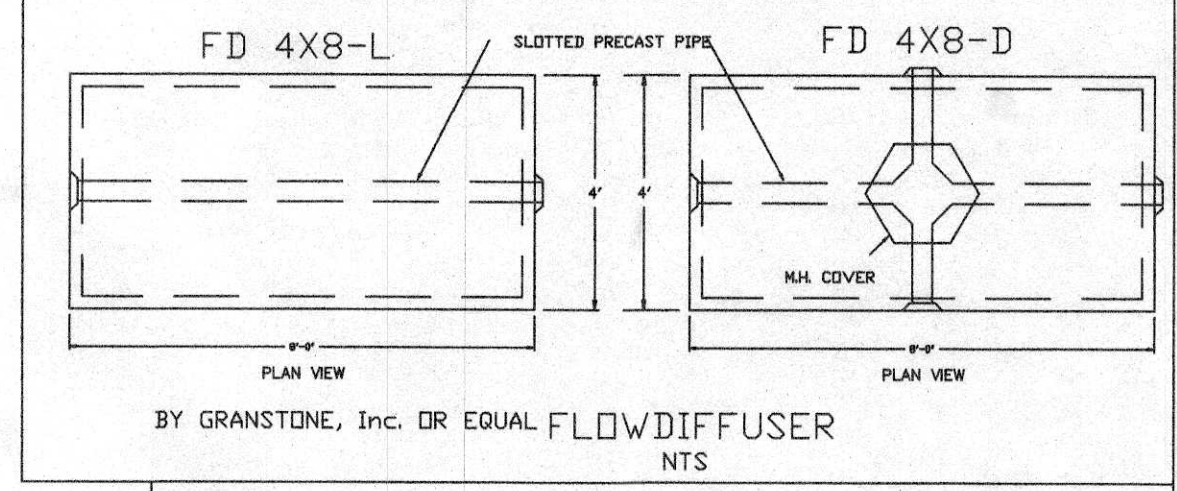


- GENERAL NOTES:**
1. ALL CONSTRUCTION SHALL CONFORM TO THE TOWN OF REHOBOTH BOARD OF HEALTH RULES AND REGULATIONS AND TITLE 5, THE STATE ENVIRONMENTAL CODE.
 2. THIS PLAN IS TO BE USED FOR THE CONSTRUCTION OF THE DESIGN DISPOSAL SYSTEM. THIS PLAN DOES NOT REPRESENT ACTUAL AS BUILT CONDITIONS UNLESS 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 PUMPED OUT EVERY ONE TO TWO YEARS DEPENDING ON USE.
 5. VEHICLE TRAFFIC OF ANY KIND IS NOT ALLOWED OVER ANY OF THE SEPTIC SYSTEM COMPONENTS INCLUDING THE SEPTIC TANK, D-BOX, AND FLOW DIFFUSERS.
 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, (OD) IF SHOWN HEREON IS TO BE STRIPPED OF ALL TREES, BRUSH, STUMPS, TOPSOIL, PEAT, OR OTHER IMPERVIOUS MATERIALS. THE (OD) 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" PERFORATED WITH SCREW TYPE CAP INSTALLED TO WITHIN 3" OF FINAL GRADE.
 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 SEEDDED.
 16. PER 310 CMR 15.004 APPLICABILITY (8) ...BACKWASH OF WATER PURIFICATION OR FILTRATION DEVICES SHALL NOT BE DISCHARGED TO AN ON-SITE SYSTEM...
 17. ALL BASE AGGREGATE FOR LEACHING STRUCTURES SHALL CONSIST OF 3/4" TO 1 1/2" DOUBLE WASHED STONE FREE OF IRON, FINES, AND DUST IN PLACE.



CONSTRUCTION NOTES:

- 1) OSD 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.
16. PER 310 CMR 15.004 APPLICABILITY (8) ...BACKWASH OF WATER PURIFICATION OR FILTRATION DEVICES SHALL NOT BE DISCHARGED TO AN ON-SITE SYSTEM...

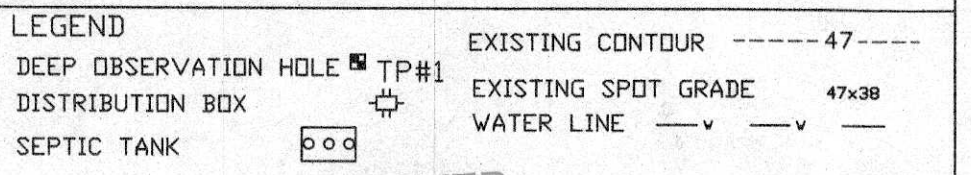
VEHICLE TRAFFIC OF ANY KIND IS NOT ALLOWED OVER ANY OF THE SEPTIC SYSTEM COMPONENTS INCLUDING THE SEPTIC TANK, THE D-BOX, AND THE LEACHING FIELD.

DESIGN CALCULATIONS

FLOW: SIZE FLOW FOR A 4 BEDROOM SINGLE FAMILY DWELLING
 (4BDRM)(110GPD/BDRM) = 440GPD --880gpd PEAK
 USE REHOBOTH UPSIZE=550gpd

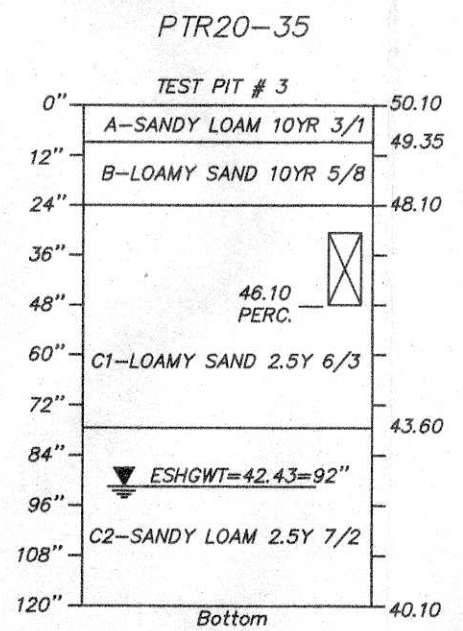
SEPTIC TANK:
 NEW 1500 GAL SEPTIC TANK > 880GPD

LEACHING FIELD:
 RATE = (1/0.74) sf/gpd FOR PERC = <2mpl CLASS I
 MINIMUM SIZE: (550gpd)(1/0.74)sf/gpd = 744 sf
 USE 6- 4'x8' FLOW DIFFUSERS WITH 10' OF STONE BELOW THE INVERT, 4' OF STONE ON THE SIDES, AND 4' OF STONE ON THE ENDS
 SIDE WALLS: 56'x1'x2=112sf
 END WALLS: 12'x1'x2=24sf
 BOTTOM: 56'x12'=672sf
 TOTAL SQUARE FOOTAGE: 112+24+672=808sf>744sf



TEST PIT LOG
 NOT TO SCALE

Date Excavated: 07/08/2020
 Logged by: DEAN MONSES
 Observed by: KARL DROWN
 Board of Health: REHOBOTH
 Geologic Material: OUTWASH
 Landform: OUTWASH PLANE
 DESIGN PERC. RATE: <2mpl



LOCAL UPGRADE APPROVAL REQUESTS:

- 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
- 2) REHOBOTH BOARD OF HEALTH SUPPLEMENTAL RULES AND REGULATIONS 1.0 SYSTEM DESIGN PLANS:
 1.7 PROXIMITY TO WELLS AND ABUTTER'S SYSTEMS: ...SYSTEMS WITH A PERCOLATION RATE 3 MINUTES OR LESS MUST HAVE A MINIMUM DISTANCE OF 150 FEET FROM ALL DOMESTIC WATER SUPPLY WELLS.

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.

WE ARE REQUESTING AN UPGRADE APPROVAL TO THE REHOBOTH SUPPLEMENTAL RULES AND REGULATIONS TO REDUCE THE 150 FOOT MINIMUM OFFSET DISTANCE TO THE SITE WELL TO 122.5 FEET.

APPROVED

REHOBOTH BOARD OF HEALTH

REVISIONS

DATE DESCRIPTION

JUL 15 2020
 R20-47
 Board of Health

SEWAGE DISPOSAL SYSTEM UPGRADE PLAN

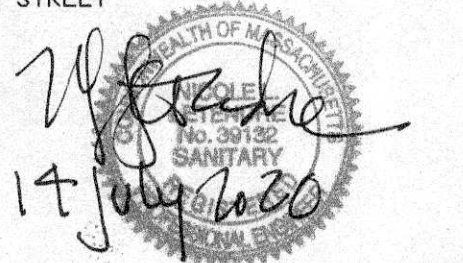
LOT 9 LOT SIZE: 0.5ac+/- PLAT NO.: 15

LOT ADDRESS: 219 WHEELER STREET
 IN REHOBOTH, MA 02769

PREPARED FOR:
 CAROL McCABE
 219 WHEELER STREET
 REHOBOTH, MA 02769

SCALE: AS SHOWN
 DATE: 07/08/2020

DESIGNED BY: DRM
 JOB NO: 20-106
 FILE: 219WHEELER.dwg



OSD systems associates, Inc.
 45 ASTRAL AVENUE
 RIVERSIDE, R.I. 02915
 (401) 465-6324
 osdea@aol.com

OSD

NOTE: THIS PLAN DOES NOT REPRESENT A PROPERTY BOUNDARY SURVEY