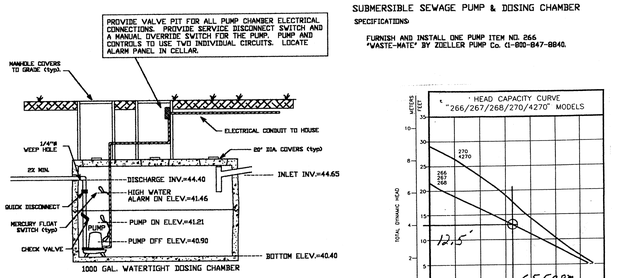
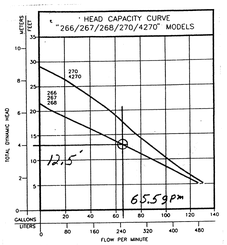


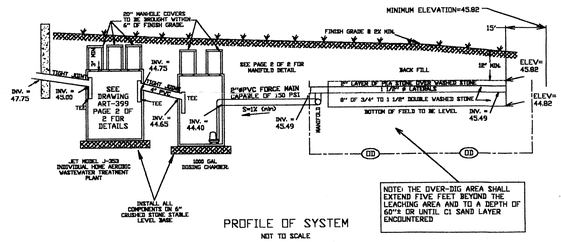
CROSS SECTION OF PUMP CHAMBER
NOT TO SCALE

SUBMERSIBLE SEWAGE PUMP & DOSING CHAMBER

SPECIFICATIONS:

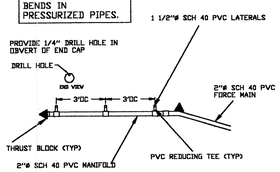
FURNISH AND INSTALL ONE PUMP ITEM NO. 266 "WASTE-MATE" BY ZOELLER PUMP Co. (1-800-847-8840.



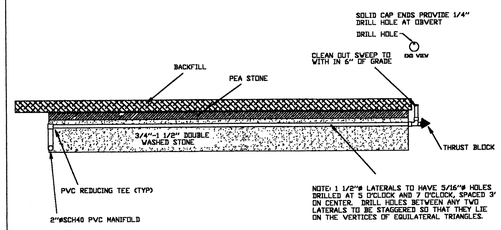


PROFILE OF SYSTEM
NOT TO SCALE

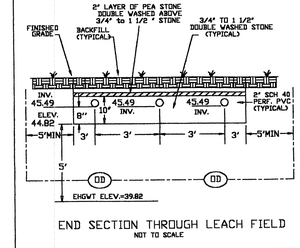
NOTE: PROVIDE THRUST BLOCKING AT ALL END POINTS AND BENDS IN PRESSURIZED PIPES.



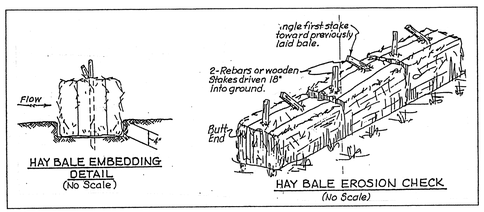
MANIFOLD SCHEDULE
NOT TO SCALE



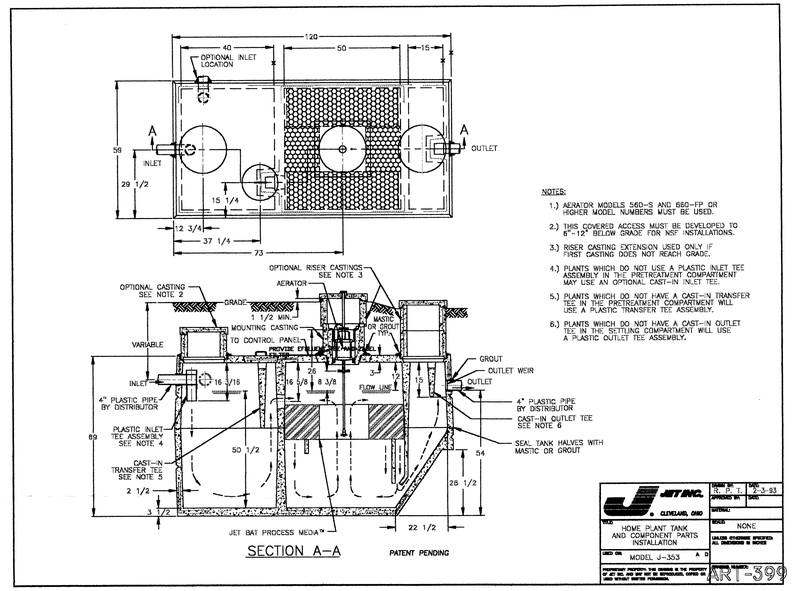
LATERAL PROFILE
NOT TO SCALE



END SECTION THROUGH LEACH FIELD
NOT TO SCALE



HAY BALE DETAIL



NOTES:

1.) AERATOR MODELS 560-S AND 660-FP OR HIGHER MODEL NUMBERS MUST BE USED.
2.) THIS COVERED ACCESS MUST BE DEVELOPED TO 6"-12" BELOW GRADE FOR NSF INSTALLATIONS.
3.) RISER CASTING EXTENSION USED ONLY IF FIRST CASTING DOES NOT REACH GRADE.
4.) PLANTS WHICH DO NOT USE A PLASTIC INLET TEE ASSEMBLY IN THE PRETREATMENT COMPARTMENT MAY USE AN OPTIONAL CAST-IN INLET TEE.
5.) PLANTS WHICH DO NOT HAVE A CAST-IN TRANSFER TEE IN THE PRETREATMENT COMPARTMENT WILL USE A PLASTIC TRANSFER TEE ASSEMBLY.
6.) PLANTS WHICH DO NOT HAVE A CAST-IN OUTLET TEE IN THE SETTLING COMPARTMENT WILL USE A PLASTIC OUTLET TEE ASSEMBLY.

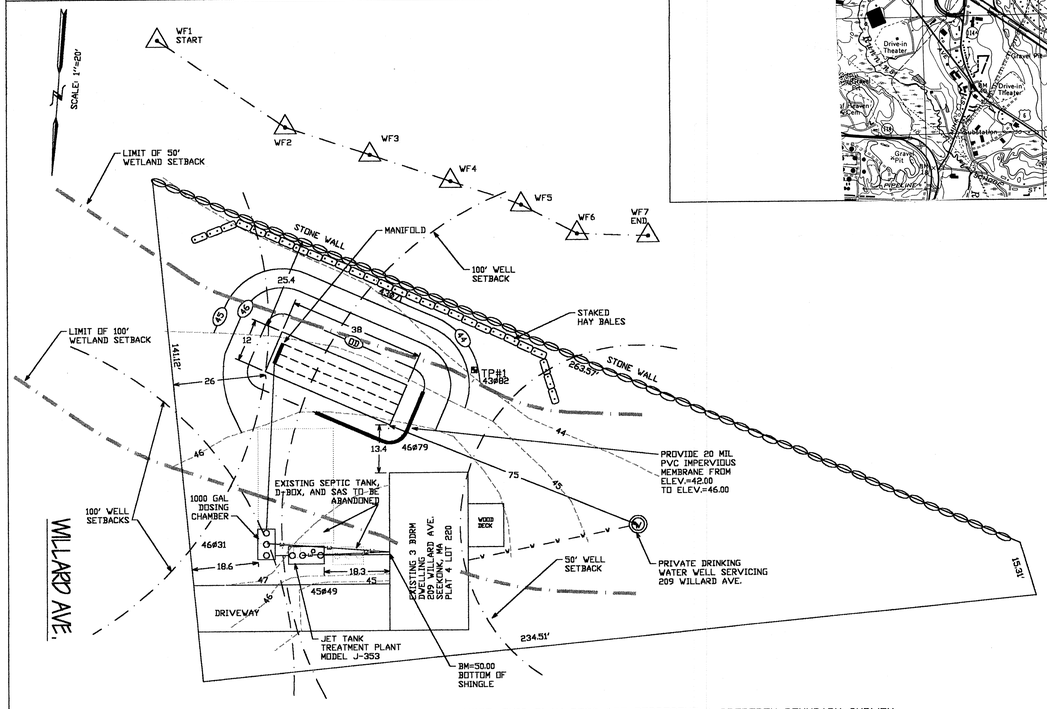
JET INC. CLEVELAND, OHIO
DRAWN BY: J.T.
DATE: 2-3-93
CHECKED BY:
DATE:
MATERIAL:
SCALE: NONE
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN INCHES
HOME PLANT TANK AND COMPONENT PARTS INSTALLATION
USED ON: MODEL J-353 A B
ASY-399

JET TANK MODEL J-353

VARIANCE REQUESTS:

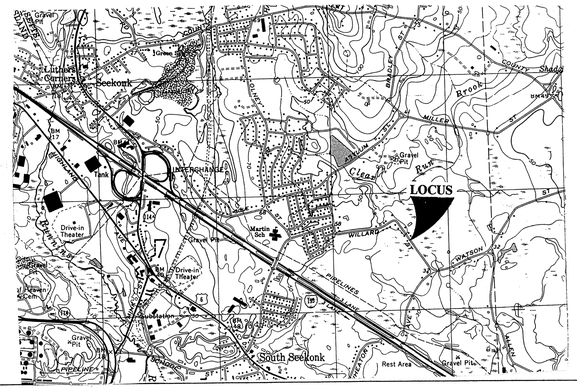
310 CMR 15.211 (1) MINIMUM SETBACK DISTANCES "ALL SYSTEMS MUST CONFORM TO THE MINIMUM SETBACK DISTANCE FOR SEPTIC TANKS AND SOIL ABSORPTION SYSTEMS"

WE ARE REQUESTING A VARIANCE TO REDUCE THE SETBACK DISTANCE FOR THE SITE WELL TO THE SAS FROM 100 FEET TO 75 FEET AND TO REDUCE THE SETBACK DISTANCE FOR THE HOUSE FOUNDATION TO THE SAS FROM 20 FEET TO 13.4 FEET.



NOTE: THIS PLAN DOES NOT REPRESENT A PROPERTY BOUNDARY SURVEY

LOCUS MAP



CONSTRUCTION NOTE:
OSD engineering & associates TO BE NOTIFIED BY THE INSTALLING CONTRACTOR AT THE START OF CONSTRUCTION AND TO BE GIVEN 24 HOUR NOTICE FOR AS-BUILT.

GENERAL NOTES:
1. ALL CONSTRUCTION SHALL CONFORM TO THE TOWN OF SEEKONK 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 AND 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. ALL BASE AGGREGATE FOR LEACHING STRUCTURES SHALL CONSIST OF DOUBLE WASHED STONE FREE OF IRON, FINES, AND DUST IN PLACE.
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) AS 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. EXISTING SEPTIC TANK, SAS, DRYWELL, AND CESSPOOL SHALL BE ABANDONED BY PUMPING, COLLAPSING, AND FILLING WITH CLEAN GRANULAR FILL.
12. ANY SOILS 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.
13. THERE SHALL BE NO BACK FILLING PRIOR TO ENGINEERING AND BOARD OF HEALTH INSPECTION AND APPROVAL.
14. THE FINISHED GRADE OVER SEPTIC SYSTEM SHALL BE GRADED, LOAMED, AND SEEDED.

DESIGN CALCULATIONS

FLOW:
(3BDRM)X(110GPD/BDRM) = 330 GPD 660 PEAK

SEPTIC TANK:
JET MODEL J-353 SEE DETAIL

LEACHING FIELD:
RATE=(1/0.74)sf/gpd FOR PERC=2mpi
MINIMUM SIZE: (330gpd)X(1/0.74)sf/gpd)=446sf
USE 12'X38' = 456sf>445sf

PUMP CHAMBER:
USE 1,000 PUMP CHAMBER

RESERVE VOLUME REQUIRED=330 GALLONS
RESERVE DEPTH REQUIRED=1.23'
RESERVE VOLUME PROVIDED=926.6 GALLONS
RESERVE DEPTH PROVIDED=3.44'

DOSE VOLUME=84 GALLONS (INCLUDES 9GAL BACKFLOW FROM MANIFOLD AND FORCE MAIN)
DOSE DEPTH=0.31'
DOSE VOLUME REQUIRED FOR PRESSURE DISTRIBUTION=75GAL. MINIMUM

LEGEND

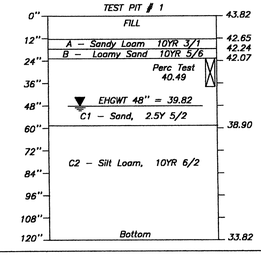
TEST PIT ■ TP#1
PUMP CHAMBER
JET TANK
PERFORATED PIPE
20 MIL PVC BARRIER
EXISTING CONTOUR 48
EXISTING SPOT GRADE 48@44
PROPOSED CONTOUR 48
PROPOSED SPOT GRADE 48@44
LIMIT OF OVERDIG OD
ELECTRICAL CONDUIT E E
WETLAND SETBACKS

REVISIONS

DATE DESCRIPTION

TEST PIT LOG

NOT TO SCALE
Date Excavated: OCTOBER 11, 2000
Logged by: Dean Monsees
Observed by: HAROLD CHENEVERT, Jr.
Board of Health: SEEKONK
Geologic Material: Outwash
Land form: Outwash Plain
Percolation Rate: 2mpi



SEWAGE DISPOSAL SYSTEM REPAIR

LOT NUMBER: 220 AREA OF LOT: 18,085+/-sf MAP NUMBER: 4
LOT ADDRESS: 209 WILLARD AVENUE
IN
SEEKONK, MA
PREPARED FOR:
MAUREEN MINICUCCI
209 WILLARD AVEUNE
SEEKONK, MA 02771

69-455

SCALE: AS SHOWN
DATE: NOVEMBER 21, 2000

DESIGNED BY: DRM
JOB NO: 00-161
FILE: 209WILLARD.dwg

OSD engineering & associates
CIVIL ENGINEERS
45 ASTRAL AVE.
RIVERSIDE, RI 02915
401/438-6216
OSD