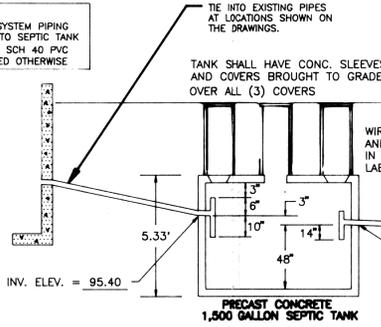


**PUMP AND CONTROL PANEL SPECIFICATIONS**

CONTROL PANEL SHALL BE INSTALLED IN THE BASEMENT OF THE BUILDING. CONTROL PANEL SHALL BE A3-2012 MAGNETIC CONTACTOR BY GOUlds OR APPROVED EQUAL. PUMP PANEL SHOULD HAVE PUMP AUTO, ON AND OFF SWITCH.

PUMP SHALL BE GOUlds MODEL 3886 TYPE W507BF OR ENGINEERED APPROVED EQUAL. THE PUMPS AND ALARMS SHALL BE ON SEPARATE CIRCUITS. SEQUENCE SHALL BE PUMPS OFF, PUMP ON, ALARM ON.

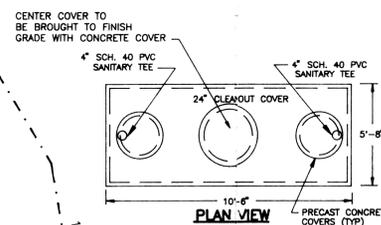
NOTE: ALL SEPTIC SYSTEM PIPING FROM BLDG TO SEPTIC TANK SHALL BE 4" SCH 40 PVC UNLESS NOTED OTHERWISE



NOTE: EXACT PIPING INVERTS ARE TO BE DETERMINED IN THE FIELD.

ALL GRAVITY PIPING FROM BUILDING SHALL BE 4" SCH 40 WITH A MINIMUM SLOPE OF .01 FT/FT (1/8" PER FOOT)

ALL FORCE MAIN PIPING SHALL BE 2" SCH 40 WITH A MINIMUM OF 12" OF COVER.



**DESIGN CRITERIA:**

TYPE OF ESTABLISHMENT: RETAIL

NO ADDITIONAL CAPACITY HAS BEEN PROVIDED FOR GARBAGE GRINDERS.

DESIGN FLOW: 1,630 s.f. Retail Space/1,000 x 50 gpd = 81 gpd use 200 g.p.d. x 1.5 = 300 GPD  
50% added per Seekonk Health Dept requirements

SEPTIC TANK CAPACITY REQUIRED: 1,500 GALLON

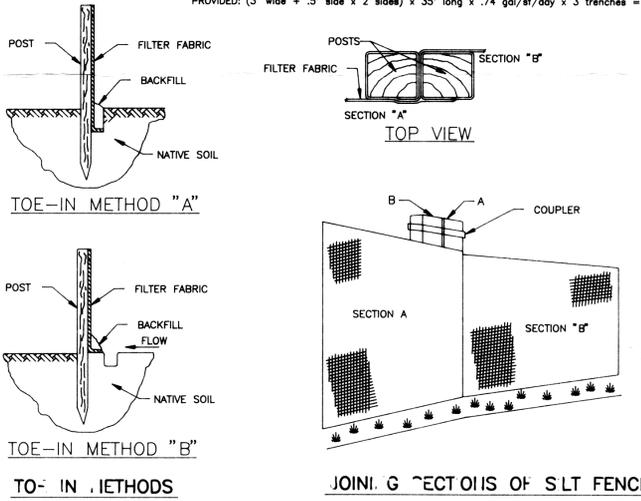
SEPTIC TANK CAPACITY PROVIDED: 1,500 GALLONS

DOSING RATE: 420 SF x 1" x 7.5 GAL/CU. FT. = 196 GAL MIN PER 15 MINUTE MAX.

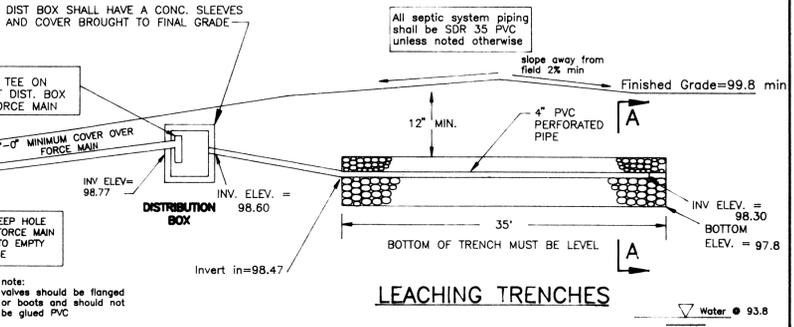
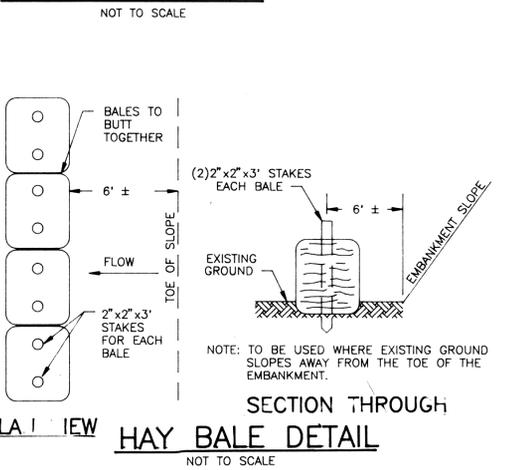
DESIGN PERCOLATION RATE: 2 MIN./IN.

LEACHING CAPACITY REQUIRED: 300 GAL/DAY

LEACHING CAPACITY PROVIDED: (3' wide x .5' side x 2 sides) x 35' long x .74 gal/sf/day x 3 trenches = 311 GPD



**SILT FENCE DETAIL**



**APPLICATIONS**

Specifically designed for the following uses:

- Homes
- Sewage systems
- Dewatering
- Water transfer

**SPECIFICATIONS**

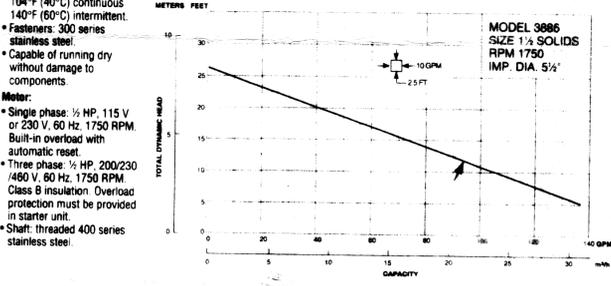
- Solids handling capabilities: 1 1/2" maximum
- Discharge size: 2" NPT
- Capacities: up to 140 GPM
- Total heads: up to 26 feet TDH
- Mechanical seal: silicon carbide rotary/silicon carbide stationary, 300 series stainless steel metal parts, BUNA-N elastomers
- Motor: 1/2 HP, 115 V or 230 V, 60 Hz, 1750 RPM. Built-in overload with automatic reset.
- Three phase: 1/2 HP, 200/230/480 V, 60 Hz, 1750 RPM Class B insulation. Overload protection must be provided in starter unit.
- Shaft: threaded 400 series stainless steel

**FEATURES**

- Impeller: Cast iron, semi-open, non-clog with pump out vanes for mechanical seal protection. Balanced for smooth operation. Silicon bronze impeller available as an option

**DESIGNED FOR CONTINUOUS OPERATION:** Pump ratings are within the motor manufacturer's recommended working limits, can be operated continuously without damage.

- Bearings: Upper and lower heavy duty ball bearings construction.
- Power Cable: Severe duty rated, oil and water resistant. Epoxy seal on motor end provides secondary moisture barrier in case of outer jacket damage and to prevent oil wicking.
- O-ring: Assures positive sealing against contaminants and oil leakage.



**NOTES**

1. ALL CHANGES TO THIS PLAN MUST BE APPROVED BY THE SEEKONK BOARD OF HEALTH AND MOUNT HOPE ENGINEERING
2. ALL WORK AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF TITLE 5 OF THE STATE ENVIRONMENTAL CODE AND ANY APPLICABLE LOCAL RULES AND REGULATIONS.
3. ANY CONDITIONS ENCOUNTERED DURING CONSTRUCTION DIFFERING FROM THOSE SHOWN HEREON SHALL BE REPORTED TO MOUNT HOPE BEFORE CONSTRUCTION CONTINUES.
4. ALL ELEVATIONS BASED ON ASSUMED VERTICAL DATUM.
5. MOUNT HOPE ENGINEERING IS NOT RESPONSIBLE FOR THE FAILURE OF THE CONTRACTOR OR OWNER TO NOTIFY THE BOARD OF HEALTH AND/OR MOUNT HOPE ENGINEERING FOR PROPER INSPECTIONS DURING CONSTRUCTION.
6. INSPECTIONS FOR CONSTRUCTION SHALL BE AS FOLLOWS:  
A. AT THE COMPLETION OF THE EXCAVATION FOR THE LEACHING FIELD.  
B. AFTER STONE AND DISTRIBUTION PIPES ARE IN BUT PRIOR TO FINAL BACKFILLING.
7. THE AREA CALLED OUT AS "LIMIT OF EXCAVATION" ON THE SITE PLAN SHALL BE EXCAVATED DOWN TO DEPTHS INDICATED IN THE SOIL LOGS OR WHAT THE BOARD OF HEALTH DEEMS APPROPRIATE. THE EXCAVATION SHALL BE FILLED UP TO THE TOP OF THE TRENCHES WITH CLEAN SAND AND/OR GRAVEL HAVING A PERC RATE OF 2 MIN/IN OR LESS.
8. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFY DIG-SAFE TO LOCATE ALL UTILITIES. UTILITIES ARE SHOWN FROM THE BEST INFORMATION AVAILABLE. MOUNT HOPE ENGINEERING ACCEPTS NO RESPONSIBILITY FOR UTILITIES DIFFERING IN THE FIELD.

**REPAIR SEWAGE DISPOSAL SYSTEM**

PREPARED FOR: Ronald Hedge  
265 / 285 Taunton Ave.  
Seekonk, MA

SCALE: 1" = 20'  
DATE: 6/25/95  
DRAWN: JH  
DESIGN: JH  
CHECKED: TC

PROJECT NO.  
**95625**

SHEET NO.  
**1 OF 1**

**Mount Hope ENGINEERING**  
CIVIL/ENVIRONMENTAL SERVICES  
1121 Berk Street  
Swansea, MA 02777  
Phone (508) 677-3936

TODD CHAPLIN  
CIVIL  
No. 34705  
REGISTERED PROFESSIONAL ENGINEER

69-343