2003 6004

To: Mike From: K Fordi 1/8/03

01414

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, 10 SHS
(207) 287-5672 Fax: (207) 287-3165

PROPERTY LOCATION

City, Town, or Plantation	Portland
Street or Road	401 Riverside Street
Subdivision, Lot #	

>> CAUTION: PERMIT REQUIRED - ATTACH IN SPACE BELOW <<

PORTLAND 8427 TOWN COPY

Date Permit Issued: 1/9/2003 $ 110.00 ☐ If Double Fee Charged

Local Plumbing Inspector Signature L.P.I. # 06460

OWNER/APPLICANT INFORMATION

Name (last, first, MI): Harvey Industries ☐ Owner ☒ Applicant

Mailing Address of Owner/Applicant	1400 Main Street Waltham, MA 02451
Daytime Tel. #	(781) 398-7878

B&M D001

Portion of Municipal Tax Map # 317 Lot # 1

OWNER OR APPLICANT STATEMENT

I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a Permit.

Signature of Owner or Applicant Date

CAUTION: INSPECTION REQUIRED

I have inspected the installation authoirzed above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.

(1st) date approved

Local Plumbing Inspector Signature (2nd) date approved

PERMIT INFORMATION

TYPE OF APPLICATION

- ☐ 1. First Time System
- ☒ 2. Replacement System
  - Type replaced: _____
  - Year Installed: _____
- ☐ 3. Expanded System
  - ☐ a. Minor Expansion
  - ☐ b. Major Expansion
- ☐ 4. Experimental System
- ☐ 5. Seasonal Conversion

THIS APPLICATION REQUIRES

- ☒ 1. No Rule Variance
- ☐ 2. First Time System Variance
  - ☐ a. Local Plumbing Inspector Approval
  - ☐ b. State & Local Plumbing Inspector Approval
- ☐ 3. Replacement System Variance
  - ☐ a. Local Plumbing Inspector Approval
  - ☐ b. State & Local Plumbing Inspector Approval
- ☐ 4. Minimum Lot Size Variance
- ☐ 5. Seasonal Conversion Permit

DISPOSAL SYSTEM COMPONENTS

- ☒ 1. Complete Non-engineered System
- ☐ 2. Primitive System (graywater & alt. toilet)
- ☐ 3. Alternative Toilet, specify: _____
- ☐ 4. Non-engineered Treatment Tank (only)
- ☐ 5. Holding Tank, _____ gallons
- ☐ 6. Non-engineered Disposal Field (only)
- ☐ 7. Separated Laundry System
- ☐ 8. Complete Engineered System (2000 gpd or more)
- ☐ 9. Engineered Treatment Tank (only)
- ☐ 10. Engineered Disposal Field (only)
- ☒ 11. Pre-treatment, specify: Oxypro (per aerobic systems spec)
- ☐ 12. Miscellaneous Components

SIZE OF PROPERTY

☐ SQ. FT.
4.53± ☒ ACRES

SHORELAND ZONING

☐ Yes ☒ No

DISPOSAL SYSTEM TO SERVE

- ☐ 1. Single Family Dwelling Unit, No. of Bedrooms: ____
- ☐ 2. Multiple Family Dwelling, No. of Units: ____
- ☒ 3. Other: Commercial (specify)

Current Use ☐ Seasonal ☐ Year Round ☒ Undeveloped

TYPE OF WATER SUPPLY

☐ 1. Drilled Well ☐ 2. Dug Well ☐ 3. Private
☒ 4. Public ☐ 5. Other

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

- ☒ 1. Concrete
  - ☒ a. Regular H-20
  - ☐ b. Low Profile
- ☐ 2. Plastic
- ☐ 3. Other: _____

CAPACITY: 1500 GAL.
Pump Tank (Measured Rim)

DISPOSAL FIELD TYPE & SIZE

- ☒ 1. Stone Bed ☐ 2. Stone Trench
- ☐ 3. Proprietary Device
  - ☐ a. cluster array ☐ c. Linear
  - ☐ b. regular load ☐ d. H-20 load
- ☐ 4. Other: _____

SIZE: 495 ☒ sq. ft. ☐ lin. ft. 990/2

GARBAGE DISPOSAL UNIT

☐ 1. No ☐ 2. Yes ☒ 3. Maybe
If Yes or Maybe, specify one below:

- ☐ a. multi-compartment tank
- ☐ b. ___ tanks in series
- ☐ c. increase in tank capacity
- ☐ d. Filter on Tank Outlet

DESIGN FLOW

300 gallons per day
BASED ON:

- ☐ 1. Table 501.1 (dwelling unit(s))
- ☒ 2. Table 501.2 (other facilities)

SHOW CALCULATIONS
---- for other facilites ---

20 emp X 15gpd = 300 gpd

SOIL DATA & DESIGN CLASS

PROFILE CONDITION DESIGN
T / C / 1

at Observation Hole # TP-1
Depth 26"
of Most Limiting Soil Factor

DISPOSAL FIELD SIZING

- ☐ 1. Small---2.0 sq. ft. / gpd
- ☐ 2. Medium---2.6 sq. ft. / gpd
- ☒ 3. Medium---Large 3.3 sq. f.t / gpd
- ☐ 4. Large---4.1 sq. ft. / gpd
- ☐ 5. Extra Large---5.0 sq. ft. / gpd

EFFLUENT/EJECTOR PUMP

- ☐ 1. Not Required
- ☒ 2. May Be Required
- ☐ 3. Required

Specify only for engineered systems:
DOSE: _____ gallons

- ☐ 3. Section 503.0 (meter readings)

ATTACH WATER METER DATA
5% To Reduction

SITE EVALUATOR STATEMENT

I certify that on 11-18-02 (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

John M. Toothaker — Site Evaluator Signature
347 — SE #
11-18-02 — Date
Sebago Technics — Engineering Expertise You Can Build On

John M. Toothaker — Site Evaluator Name Printed
(207) 856-0277 — Telephone Number
jtoothaker@sebagotechnics.com — E-mail Address

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

HHE-200 Rev. 10/02

01414

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, 10 SHS
(207) 287-5672 FAX (207) 287-4172

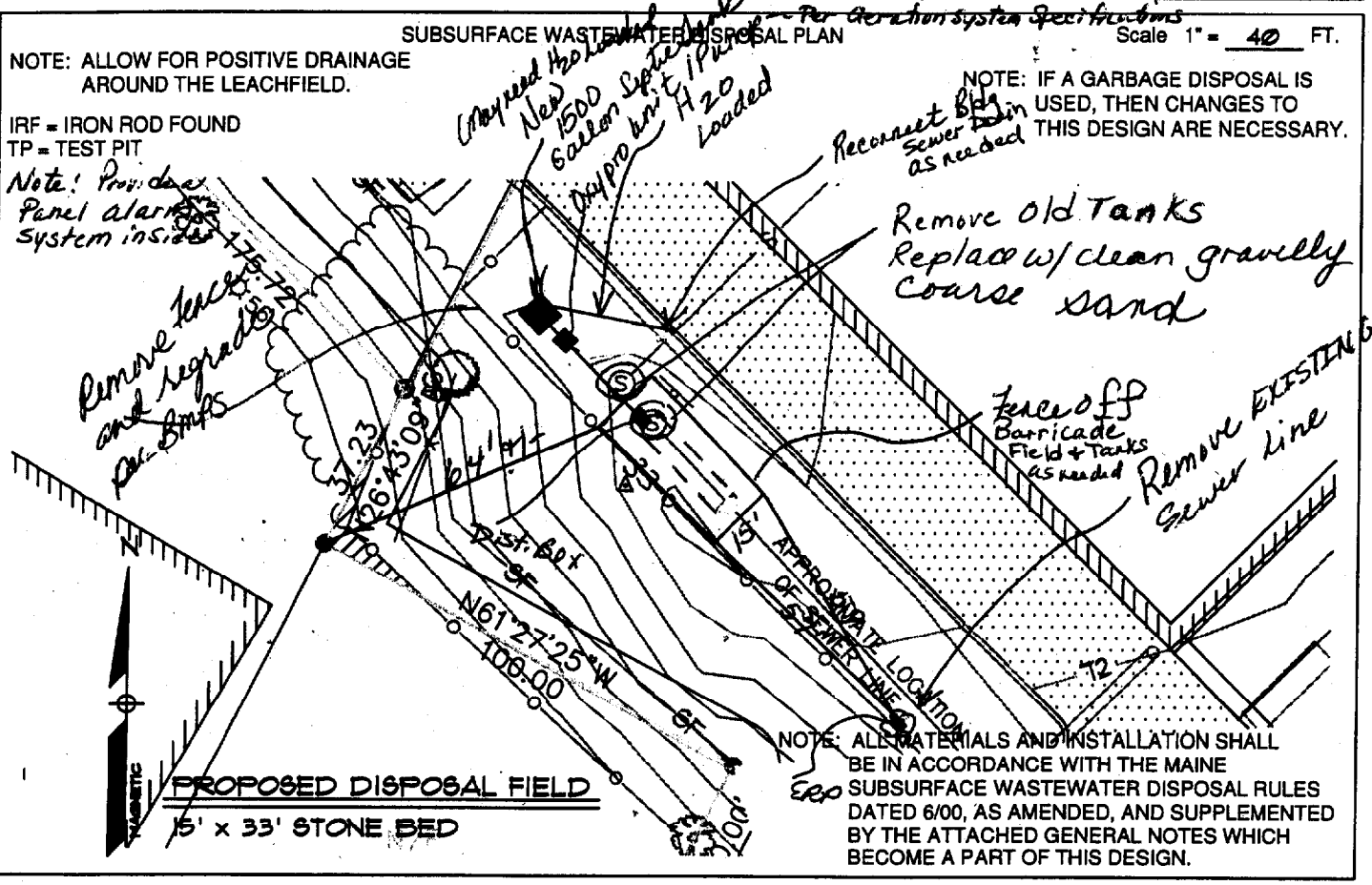
Town, City, Plantation	Street, Road, Subdivision	Owner or Applicant Name
Portland	401 Riverside Street	Harvey Industries

SUBSURFACE WASTEWATER DISPOSAL PLAN — Scale 1" = 40 FT.

NOTE: ALLOW FOR POSITIVE DRAINAGE AROUND THE LEACHFIELD.

IRF = IRON ROD FOUND
TP = TEST PIT

NOTE: IF A GARBAGE DISPOSAL IS USED, THEN CHANGES TO THIS DESIGN ARE NECESSARY.



NOTE: ALL MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE MAINE SUBSURFACE WASTEWATER DISPOSAL RULES DATED 6/00, AS AMENDED, AND SUPPLEMENTED BY THE ATTACHED GENERAL NOTES WHICH BECOME A PART OF THIS DESIGN.

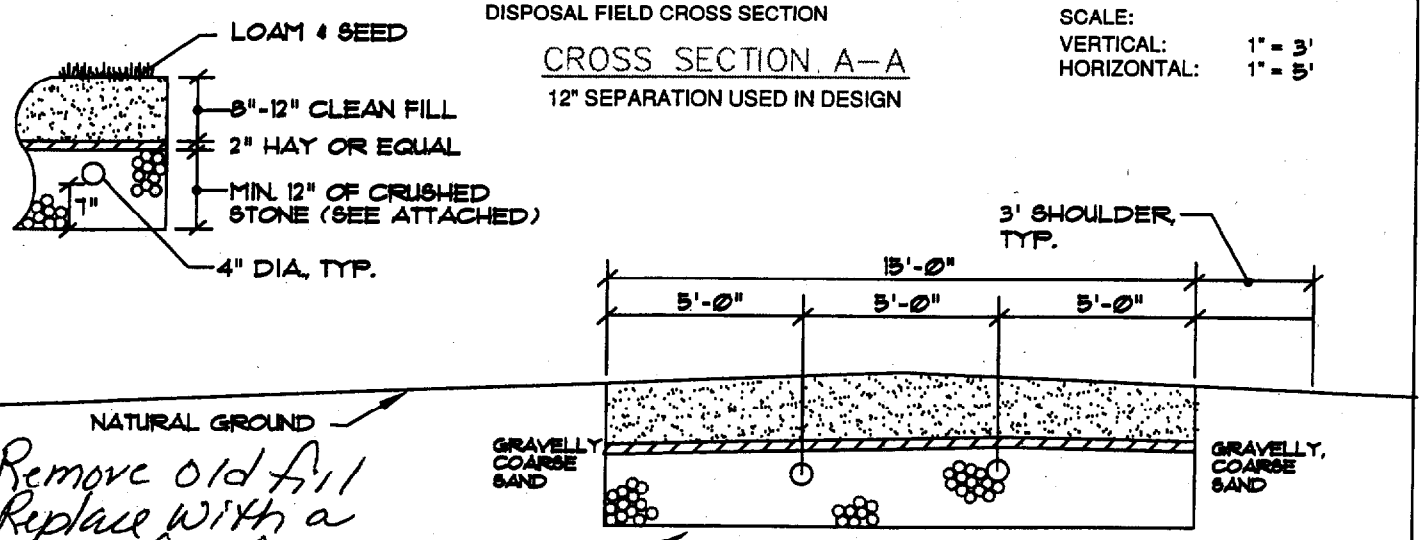
BACKFILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT	
Depth of Fill (Upslope)	0" ± 12"	Finished Grade Elevation	-52"	Location & Description	Nail up 44" in a 24" diam. Oak
Depth of Fill (Downslope)	0" ± 12"	Top of Distribution Pipe or Proprietary Device	-65"	Reference Elevation	0.0"
		Bottom of Disposal Area (Bottom of Stone)	-76"		

DISPOSAL FIELD CROSS SECTION

CROSS SECTION A–A

12" SEPARATION USED IN DESIGN

SCALE:
VERTICAL: 1" = 3'
HORIZONTAL: 1" = 5'



Remove old fill
Replace with a
Clean Gravelly
Coarse Sand

Josh M. Inthake
Site Evaluator Signature

355
SE #

11-18-02
Date

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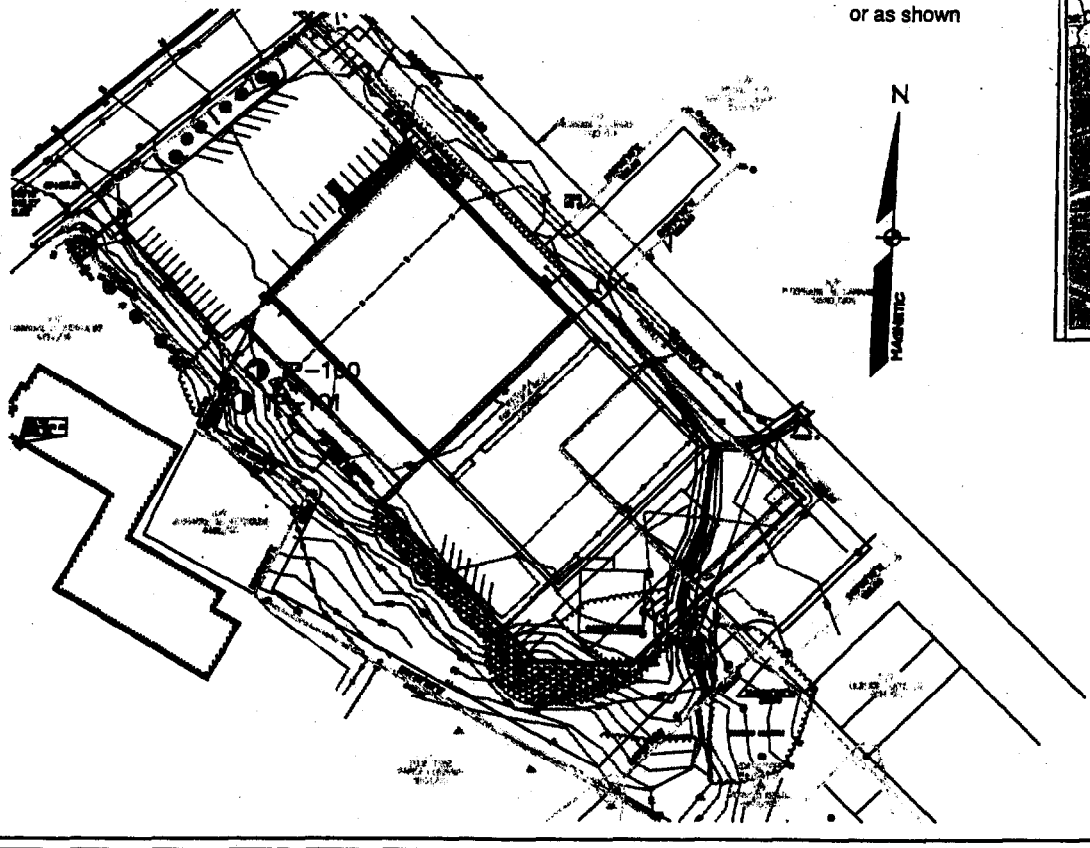
Division of Health Engineering, 10 SHS
(207) 287-5672 FAX (207) 287-4172

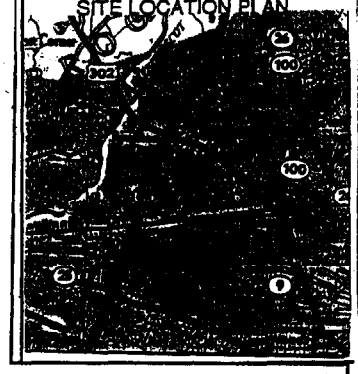
Town, City ,Plantation	Street, Road, Subdivision	Owner or Applicant Name
Portland	401 Riverside Street	Harvey Industries

SITE PLAN

Scale 1" = 150 Ft. or as shown



SITE LOCATION PLAN



SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

Observation Hole TP-100 ☒ Test pit ☐ Boring

0-1 " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Texture	Consistency	Color	Mottling
0 REMOVE FINE SANDY LOAM			
10 FILL	FRIABLE	BROWN	
20 NATURAL LOAMY SAND			
30			
40 SILT LOAM	FIRM	OLIVE	COMMON & DISTINCT
50			

Soil Classification	Slope	Limiting Factor	
1 Profile / C Condition	3-5 %	40 "	☒ Ground Water ☒ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Observation Hole TP-101 ☐ Test pit ☐ Boring

0-1 " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Texture	Consistency	Color	Mottling
0			
10 LOAMY SAND	FRIABLE	DARK BROWN	
20			
30 SILT LOAM		OLIVE	COMMON & DISTINCT
40			
50			

Soil Classification	Slope	Limiting Factor	
1 Profile / C Condition	3-5 %	26 "	☒ Ground Water ☒ Restrictive Layer ☐ Bedrock ☐ Pit Depth

John M. Taylor — Site Evaluator Signature

347 — SE #

11-18-02 — Date

SEBAGO TECHNICS, INC.

0141 4

General Notes
(attachment to form HHE-200)
1,000-2,000 gpd Septic System

1. The nature of the site evaluation profession is one of interpretation of soil and site conditions. We, in the field, attempt both provide a satisfactory service to the client, and comply by the rules by which we are bound - the Maine Subsurfa Wastewater Disposal Rules. If at any time you, the client, are not satisfied with the service provided or the results found, it your right to hire another site evaluator for a second opinion.

2. Property information is supplied by the owner, applicant or representative. Such information presented herein shall b verified as correct by the owner or applicant prior to signing this application.

3. All work shall be in accordance with the Maine Subsurface Wastewater Disposal Rules dated 6/00, as amended.

4. All work should be performed under dry conditions only (for disposal area).

5. No vehicular or equipment traffic to be allowed on disposal area. Disposal field shall be constructed from outside the corne stakes located in the field. The downslope area is also to be protected in the same manner.

6. Backfill, if required, is to be gravelly coarse sand to coarse sand texture and to be free of foreign debris. If backfill is coarse than original soil, then mix top 4" of backfill and original soil with rototiller.

7. No neighboring wells are apparent (unless so indicated) within 100' of disposal area. Owner or applicant shall verify this prior to signing the application.

8. The disposal field stone shall be clean, uniform in size and free of fines, dust, ashes, or clay. It shall be no smaller than ¾ inch and no larger than 2½ inches in size (per Section 805.2.3 of the Maine Subsurface Wastewater Disposal Rules).

9. Minimum separation distances required (unless reduced by variance or special circumstance).

a) wells with water usage of 2000 or more gpd or public water supply wells:	
Disposal Fields:	300'
Septic Tanks and Holding Tanks:	100'
b) any well to disposal area:	200'
c) any well to septic tank:	100'
d) septic tank to lake, river, stream or brook:	100' for major watercourse, 50' for minor water course
e) disposal area to lake, river, stream or brook:	200' for major watercourse, 100' for minor watercourse
f) house to treatment tank:	14'
g) house to disposal area:	30'

- For all other separation distances, use separations for 1,000-2,000 gpd per Maine Subsurface Wastewater Disposal Rules Table 700.2.

9. Location of septic system near a wetland may require a separate permit. As such, the owner, prior to construction of the septic system, shall hire a professional to evaluate proximity of adjacent wetlands and prepare necessary permit applications.

10. Garbage disposals are not recommended and, if installed, are done so at the owner's risk. The additional waste load requires increased maintenance frequency, higher potential for failure, and larger septic tanks.

11. Pump stations, when required, shall be installed watertight to prevent infiltration of ground and/or surface water.

12. Force mains and pressure lines shall be flushed of any foreign material and pumps shall be checked for proper on/off cycle before being put into service.

13. Force mains, pump stations, and/or gravity piping subject to freezing shall be installed below frost line or adequately insulated.