SUBSURFACE WASTEWATER DISPOSAL APPLICATION

Maine Dept.Health & Human Services
Div of Environmental Health , 11 SHS
(207) 287-5672 Fax (207) 287-4172

PROPERTY LOCATION

City, Town, or Plantation	Lamoine
Street or Road	223 Seal Point Rd.
Subdivision, Lot #	

OWNER/APPLICANT INFORMATION

Name (last, first, MI)	Coleman Estate ■ Owner ☐ Applicant
Mailing Address of Owner/Applicant	Tom Coleman c/o Coastal Builders 393 Bar Harbor Rd. Trenton, Me. 04605
Daytime Tel. #	

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: LPI APPROVAL REQUIRED <<

Town/City Lamoine Permit # 1925

Date Permit Issued 9/18/18 Fee: $ 265 Double Fee Charged [ ]

Local Plumbing Inspector Signature _____ L.P.I. # 394

☐ Owner ☐ Town ☐ State

The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with this application and the Maine Subsurface Wastewater Disposal Rules.

Municipal Tax Map # 5 Lot # 17

CAUTION: INSPECTION REQUIRED

I have inspected the installation authorized 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. <25% Expansion
☐ b. ≥25% 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: _____
☐ 12. Miscellaneous Components

SIZE OF PROPERTY

4 ☐ SQ. FT. ■ ACRES

SHORELAND ZONING

☐ Yes ■ No

DISPOSAL SYSTEM TO SERVE

■ 1. Single Family Dwelling Unit, No. of Bedrooms: 3
☐ 2. Multiple Family Dwelling, No. of Units: _____
☐ 3. Other: _____ (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
■ b. Low Profile
OR
☐ 2. Plastic
☐ 3. Other: _____
CAPACITY: 1000 GAL.

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: 1152 ■ sq. ft. ☐ lin. ft.

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

270 gallons per day
BASED ON:
■ 1. Table 4A (dwelling unit(s))
☐ 2. Table 4C(other facilities)
SHOW CALCULATIONS for other facilites
☐ 3. Section 4G (meter readings)
ATTACH WATER METER DATA

SOIL DATA & DESIGN CLASS

PROFILE CONDITION
2 / Atl
at Observation Hole # 1
Depth 26"
of Most Limiting Soil Factor

DISPOSAL FIELD SIZING

☐ 1. Medium—2.6 sq. ft. / gpd
■ 2. Medium—Large 3.3 sq. ft / gpd
☐ 3. Large—4.1 sq. ft. / gpd
☐ 4. 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

LATITUDE AND LONGITUDE

at center of disposal area
Lat. 44 d 29 m 39.5 s
Lon 68 d 26 m 47.1 s
if g.p.s, state margin of error: ±12'
NAD 27

SITE EVALUATOR STATEMENT

I certify that on 9-17-18 (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).

Robert G. Vile Jr. — Site Evaluator Signature
204 — SE #
9-17-18 — Date
Robert G. Vile Jr. — Site Evaluator Name Printed
234-2451 — Telephone Number
robertvilesoilconsultant@gmail.com — E-mail Address

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

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Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

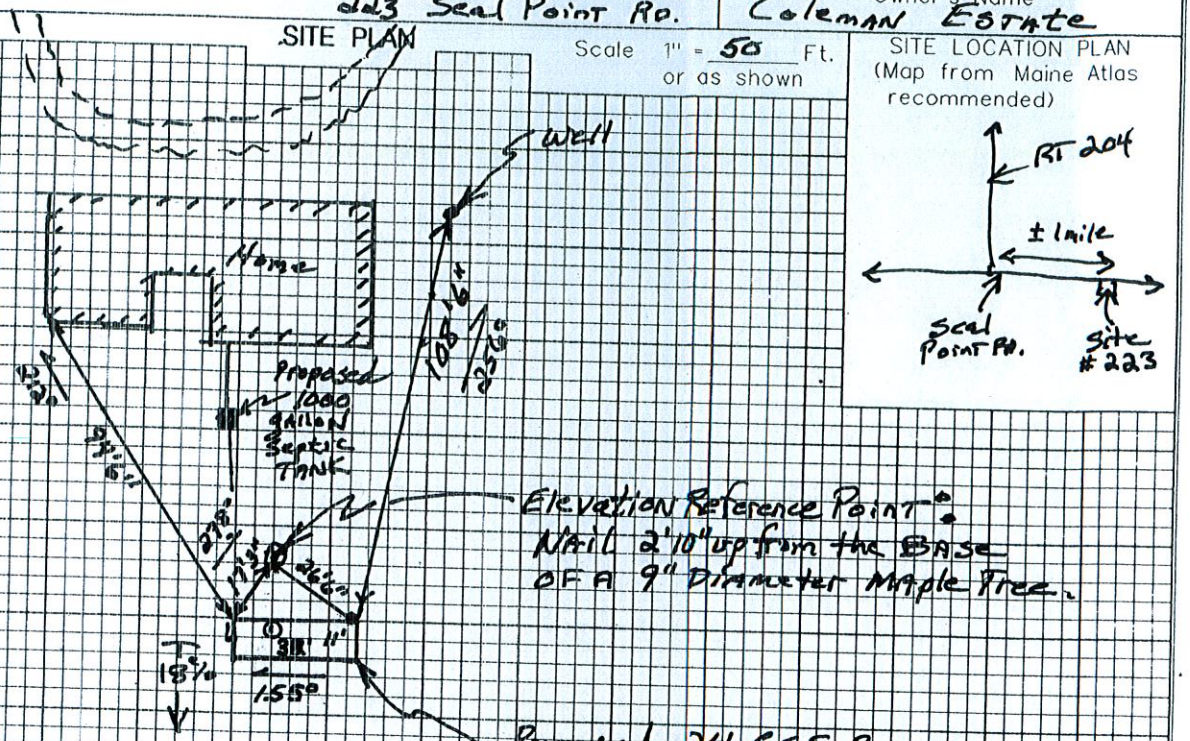
Town, City, Plantation: Lamoine

Street, Road Subdivision: 223 Seal Point Rd.

Owner's Name: Coleman Estate

SITE PLAN

Scale 1" = 50 Ft. or as shown



SITE LOCATION PLAN
(Map from Maine Atlas recommended)

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

Observation Hole #1 ☐ Test Pit ☒ Boring

0 " Depth of Organic Horizon Above Mineral Soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0–10	Bouldery Fine		Dark Yellowish Brown	
10–20	Sandy Loam	Friable	Yellowish Brown	None
30–50	26" Hand Bored Refusal			

Soil Classification		Slope	Limiting Factor	
2 (Profile)	AIII (Condition)	18 %	26 "	☐ Ground Water ☐ Restrictive Layer ■ Bedrock ■ Pit Depth

Observation Hole _____ ☐ Test Pit ☐ Boring

_____ " Depth of Organic Horizon Above Mineral Soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0–50				

NOTE:

ALL PERMITS AND OR NOTIFICATIONS REQUIRED PRIOR TO CONSTRUCTION ARE THE RESPONSIBILITY OF THE OWNER.

Soil Classification		Slope	Limiting Factor	
Profile	Condition	%	"	☐ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Robert G. Vilaj
Site Evaluator Signature

204
SE =

9-17-18
Date

HHE-200 Rev. 7/97

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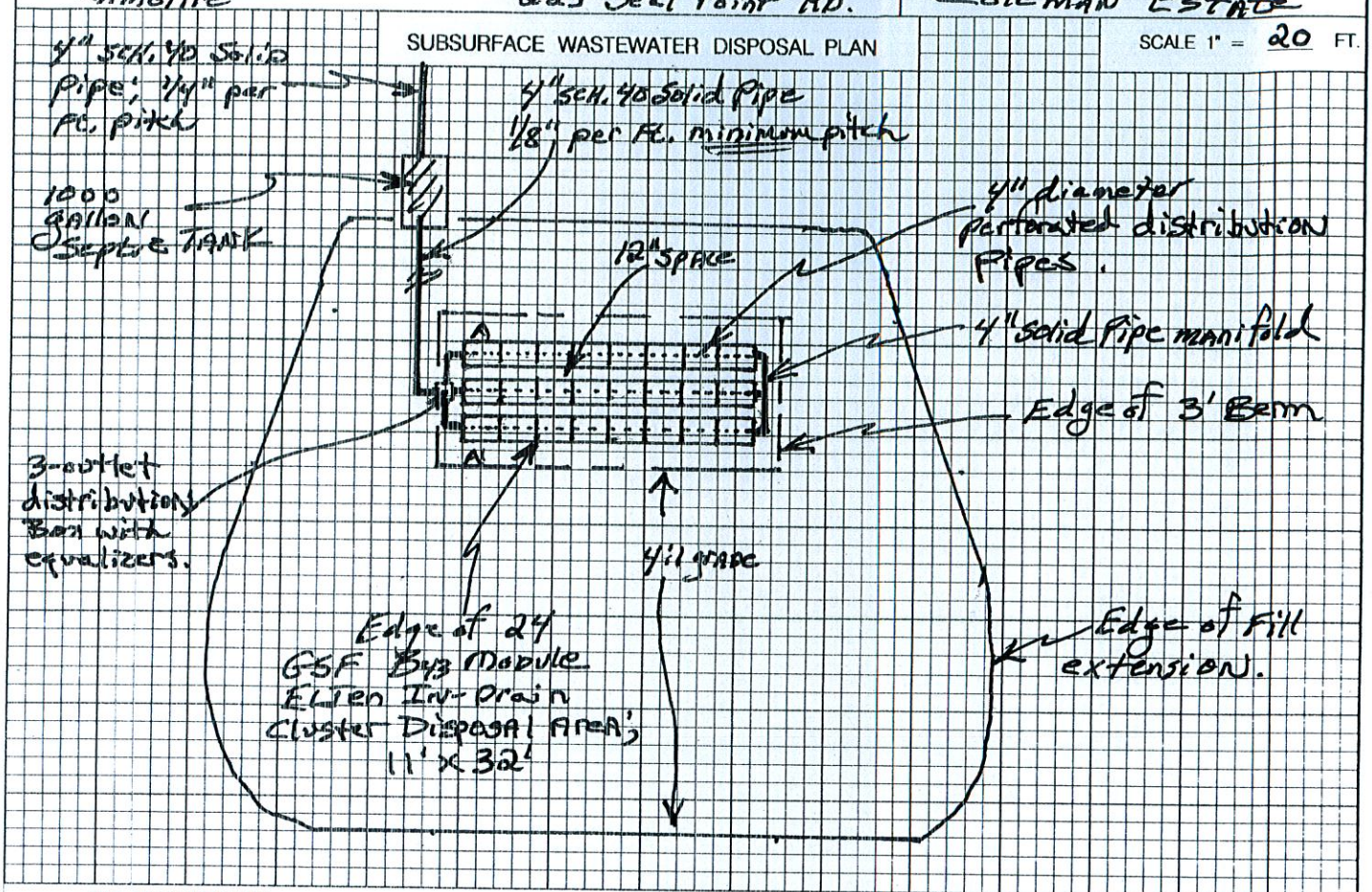
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

Town, City, Plantation	Street, Road, Subdivision	Owner's Name
Lamoine	223 Seal Point Rd.	Coleman Estate

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE 1" = 20 FT.



FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT
Depth of Fill (Upslope)	A 20"	Finished Grade Elevation	-35"	Location & Description Nail 34" up in 9" maple Tree.
Depth of Fill (Downslope)	A' 44"-46"	Top of Distribution Pipe ~~or Proprietary Device~~	-46"	
		Bottom of Disposal Area	-57"	Reference Elevation = 0"

DISPOSAL AREA CROSS SECTION

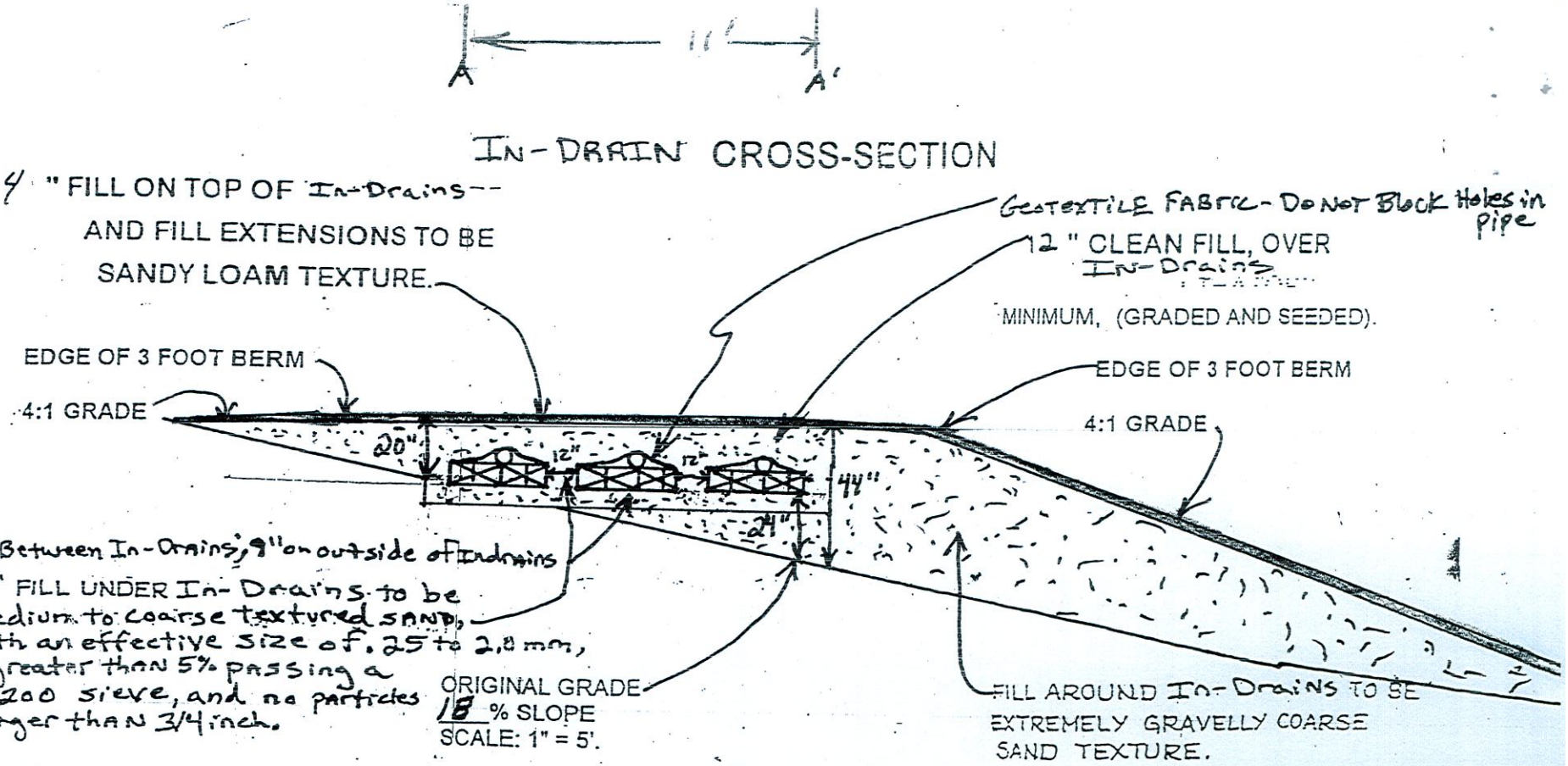
SCALE:
VERTICAL: 1" =
HORIZONTAL: 1" =

(SEE ATTACHED CROSS SECTION
A' —— A)

Robert [signature]
Site Evaluator Signature

204
SE #

9-17-18
Date



NOTES:

1. REMOVE VEGETATION AND SCARIFY ORIGINAL SOIL UNDER In-Drains AND FILL EXTENSIONS.
2. BOTTOM OF In-Drains TO BE LEVEL WITH A MAXIMUM GRADE TOLERANCE OF 1" PER 100'.
3. PROVIDE FOR SURFACE DRAINAGE AWAY FROM In-Drain AREA.
4. FINISHED GRADE SHALL BE SEEDED AND MULCHED TO PREVENT EROSION.
5. MIX FILL TO BE USED UNDER In-Drains WITH TOP 4" OF ORIGINAL SOIL. and Fill Extensions.

OWNER: Coleman Estate
LOCATION: 223 Seal Point Rd Lamoine
NUMBER OF In-Drains 24
ELEVATIONS:
ELEVATION REFERENCE POINT: 0"
BOTTOM OF In-Drains -57"
Top of Distribution pipes -46"
Finished Grade -35"
SITE EVALUATOR Robert G. Vile
ROBERT G. VILE JR. # 204
DATE: 9-17-18

Eljen GSF Geotextile Sand Filter GSF

Trench and In-Ground Cluster Installation

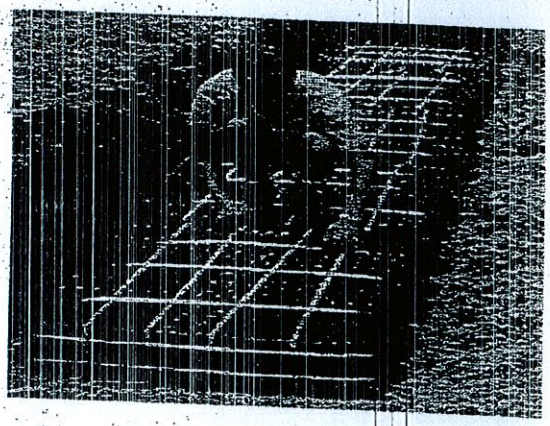
1. Prepare site according to local and state regulations. **Do not install system on frozen or saturated ground.**

2. Remove all organic soil and roots at disposal and fill extension areas.

3. Scarify receiving layer to eliminate smearing.

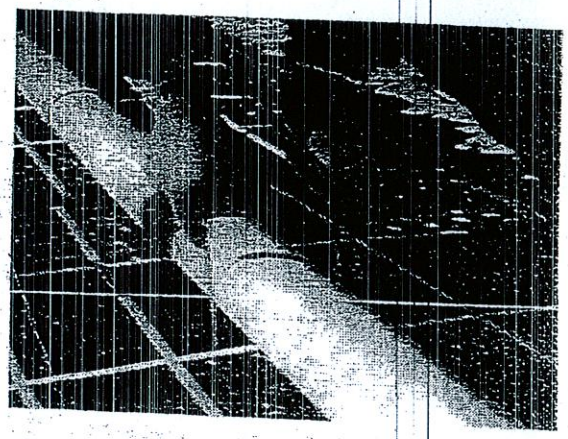
4. Place 6" of D.O.T. or state highway specification **washed concrete sand** or sand known to be "medium to coarse with an effective size of .25 to 2.0 mm and no more than 5% passing a #200 sieve."

5. Avoiding footprints, place In-Drains with **painted stripe facing up,** end to end on sand in trench or bed. **Caution: Spacer cores can have sharp edges.**



6. Center 4" **perforated** distribution pipe over In-Drains. Use **solid pipe** over compacted sand from D-Box to In-Drains and to connect distribution lines at far end. Connect mid-points on rows over 40' long.

7. Secure pipe with one Eljen clamp per In-Drain. Slide clamp into upfacing core. Force through fabric into sand.



8. Install Eljen cover fabric over rows of In-Drains. **Drape fabric straight down over pipe.** Secure with hand shoveled sand. **Don't block holes in perforated pipe.**

9. Place 12" medium to coarse sand (see step #4) between rows and 6" min at the sides in trench or bed.

10. Complete backfill and loam to 12" min. over In-Drains. Fill should be clean, porous and devoid of large rocks. Use well graded sandy fill with a maximum 10% passing a #200 seive. **Do not use wheeled equipment over a system.** A light track machine may be used with caution, **avoid crushing or shifting pipe assembly.** Backfill in direction of perforated pipe.

11. Divert surface runoff. Finish grade to prevent surface ponding. Seed loam and protect from erosion.

Raised or Fill Systems

1. Follow steps 1-3 for trench installation.
2. Compact fill, in max. 6" lifts, with a light tracked machine. Use clean soil free of organic material, clay, construction debris, stones larger than 6" and no more than 10% passing a #200 seive.
3. Provide 6" sand bed, per trench step #4, directly under the In-Drains.
4. Complete system per trench steps 5-12

Serial Distribution on Slopes

1. Site preparation is the same as for trench and fill systems. Groove receiving layer by raking or contour plowing at right angle to slope before placing fill or sand.
2. Install rows in In-Drains at design elevations.
3. Provide a well anchored D-Box with velocity reduction tee or baffle. D-Box serves as an inspection port.
4. Install a line of 4" perforated pipe on first row of In-Drains. Cap pipe at far end.
5. Place at least 10' of capped perforated overflow pipe at the far end and downhill side of the above pipe.
6. Connect overflow pipe to a line of perforated pipe on the newt row of In-Drains with 2 elbows and a short length of solid pipe. Cap perforated pipe on opposite end.

7. Continue this procedure until the last row of In-Drains has an end capped line of perforated pipe.
8. Complete system per trench steps 8-12.

Pumped System

1. Prepare disposal site as described in the appropriate system configurations listed.
2. Provide as well anchored D-Box with a velocity reduction tee or baffle.
3. System assembly is the same as for gravity designs.
4. Pressure distribution does not result in reduced system size and is therefore not generally used for In-Drain disposal systems.

Design Manual Available

Effluent pretreatment offered by In-Drain technology generally allows substantial reductions in leach field size compared to conventional stone or chamber systems. Sizing formula conforms with code variations from state to state. Consult your area distributor for a state specific Design and Installation Manual.

Eljen Corporation
125 McKee Street
East Hartford, CT 06108
(860) 610-0426
(800) 444-1359
Fax (860) 610-0427

Distributed By:
Construction Consultants, Inc.
483 Roosevelt Trail
Windham, ME 04062
(207) 894-7141
Fax (207) 894-7143
www.indrain.com