

M1L71

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

PROPERTY ADDRESS

Town Or Plantation: **AUGUSTA**

Street / Division Lot #: **Summer Haven Road**

PROPERTY OWNERS NAME

Last: **Michaud** First: **Patrick D.**

Applicant Name:

Mailing Address of Owner/Applicant (if Different): **RFD 4, Box 1176
Augusta, Maine 04330**

AUGUSTA PERMIT # **536** TOWN COPY

Date Permit Issued: **8, 12, 85** FEE \$ **140** Double Fee Charged

Robert Stubble L.P.I. # **1667**

Local Plumbing Inspector Signature

Owner/Applicant Statement

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

Patrick D. Michaud
Signature of Owner/Applicant

Date

Caution: Inspection Required

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

Robert D. Stubble
Local Plumbing Inspector Signature

8/16/85
Date Approved

PERMIT INFORMATION

THIS APPLICATION IS FOR:

- NEW SYSTEM
- REPLACEMENT SYSTEM
- EXPANDED SYSTEM
- SEASONAL CONVERSION
- EXPERIMENTAL SYSTEM

THIS APPLICATION REQUIRES:

- NO RULE VARIANCE REQUIRED
- NEW SYSTEM VARIANCE
Attach New System Variance Form
- REPLACEMENT SYSTEM VARIANCE
Attach Replacement System Variance Form
- Requiring Local Plumbing Inspector Approval
- Requires State and Local Plumbing Inspector Approval

INSTALLATION IS:

COMPLETE SYSTEM

- NON-ENGINEERED SYSTEM
- POSITIVE SYSTEM (includes Alternative Toilet)
- ENGINEERED (+2000 gpd)

INDIVIDUALLY INSTALLED COMPONENTS:

- TREATMENT TANK (ONLY)
- HOLDING TANK
- ALTERNATIVE TOILET (ONLY)
- NON-ENGINEERED DISPOSAL AREA (ONLY)
- ENGINEERED DISPOSAL AREA (ONLY)
- SEPARATED LAUNDRY SYSTEM

IF REPLACEMENT SYSTEM:

YEAR FAILING SYSTEM INSTALLED **1950**

THE FAILING SYSTEM IS:

- BED
- CHAMBER
- TRENCH
- OTHER: **unknown**

DISPOSAL SYSTEM TO SERVE:

- SINGLE FAMILY DWELLING
- MODULAR OR MOBILE HOME
- MULTIPLE FAMILY DWELLING
- OTHER _____ SPECIFY

SIZE OF PROPERTY
6.5+ Ac.

ZONING
Residential

TYPE OF WATER SUPPLY
dug well

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

- SEPTIC: Regular Low Profile
- AEROBIC

SIZE: _____ GALS.

WATER CONSERVATION

- NONE
- LOW VOLUME TOILET
- SEPARATED LAUNDRY SYSTEM
- ALTERNATIVE TOILET

SPECIFY: _____

PUMPING

- NOT REQUIRED
- MAY BE REQUIRED (DEPENDENT ON TREATMENT TANK LOCATION AND ELEVATION)
- REQUIRED

DOSE: **100** GALS.

CRITERIA USED FOR DESIGN FLOW (BEDROOMS, SEATING, EMPLOYEES, WATER RECORDS, ETC.)

3 Bedroom single family dwelling

moderate design flow

DESIGN FLOW: **360** (GALLONS/DAY)

SOIL CONDITIONS USED FOR DESIGN PURPOSES

PROFILE	CONDITION
4	C

DEPTH TO LIMITING FACTOR: **20**

SIZE RATINGS USED FOR DESIGN PURPOSES

- SMALL
- MEDIUM
- MEDIUM-LARGE
- LARGE
- EXTRA LARGE

DISPOSAL AREA TYPE/SIZE

- BED **940** Sq. Ft.
- CHAMBER _____ Sq. Ft.
- TRENCH _____ Linear Ft.
- OTHER: _____

REGULAR H-20

SITE EVALUATOR STATEMENT

SITE EVALUATION WAIVED BY LOCAL OPTION

On **8/9/85** (date) I conducted a site evaluation for this project and certify that the data reported is accurate. The system I propose is in accordance with the Subsurface Wastewater Disposal Rules.

Thomas A. Wendell
Site Evaluator Signature

178
SE#

8/9/85
Date

* Local Plumbing Inspectors Signature if a Local Site Evaluation Waiver under a Local Option

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation

Street, Road, Subdivision

Owners Name

AUGUSTA

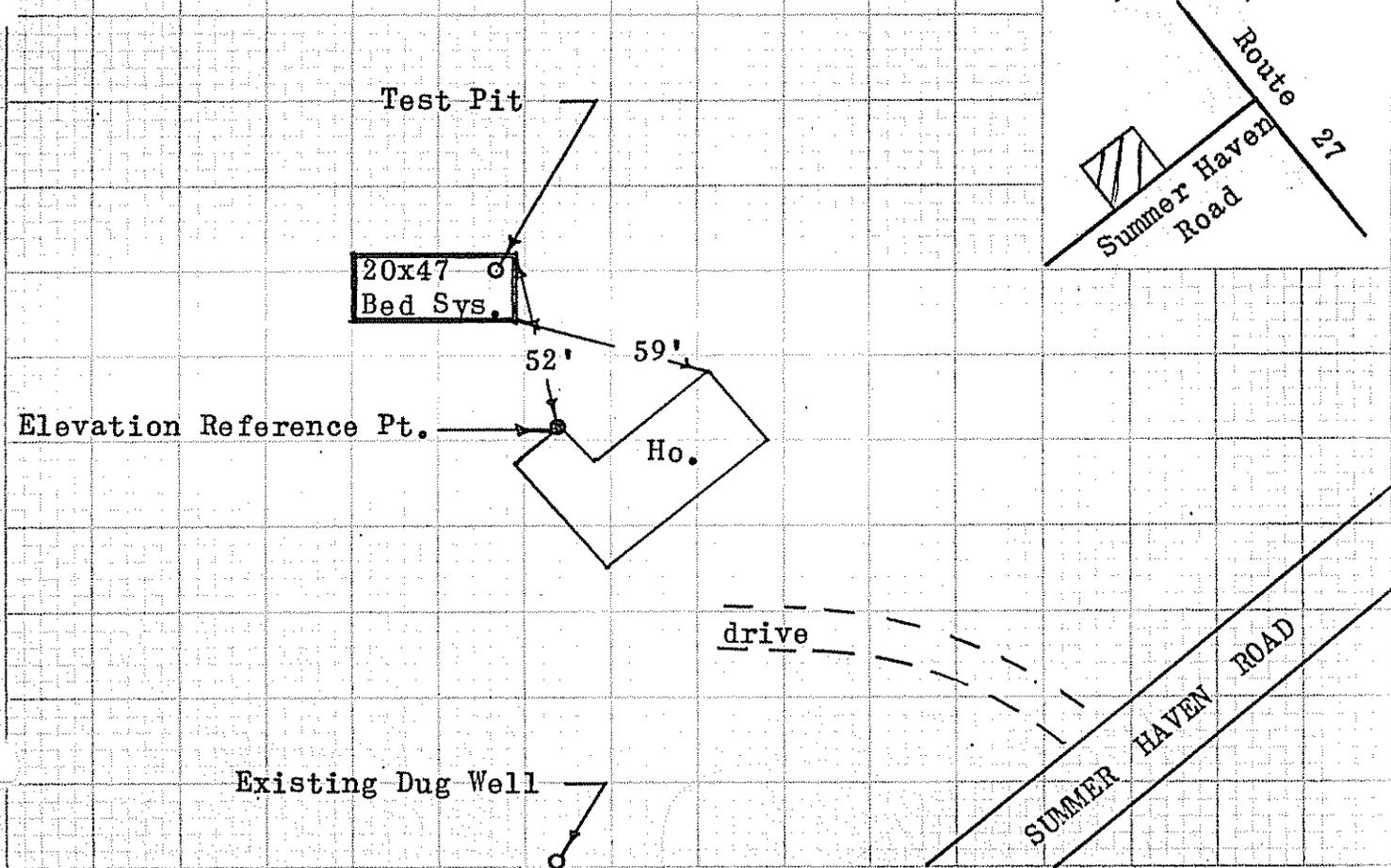
Summer Haven Road

Patrick D. Michaud

SITE PLAN

Scale 1" = 50 Ft.

SITE LOCATION PLAN (Attach Map from Maine Atlas for New System Variance)



SOIL DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole 1 Test Pit Boring
0 " Depth of Organic Horizon Above Mineral Soil

Observation Hole _____ Test Pit Boring
 _____ " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0			dark	
6	sandy			
10			brown	
15	loam	friable	light	
20			brown	few
25	loamy		olive	
30		slightly firm	brown	
40			to	
45	sand		olive	
50				

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0				
6				
10				
15				
20				
25				
30				
35				
40				
45				
50				

Soil Profile <u>4</u>	Classification Condition <u>C</u>	Slope <u>6</u> %	Limiting Factor <u>20</u>	<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock
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Soil Profile _____	Classification Condition _____	Slope _____ %	Limiting Factor _____	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock
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Thomas A. Wendell
Site Evaluator Signature

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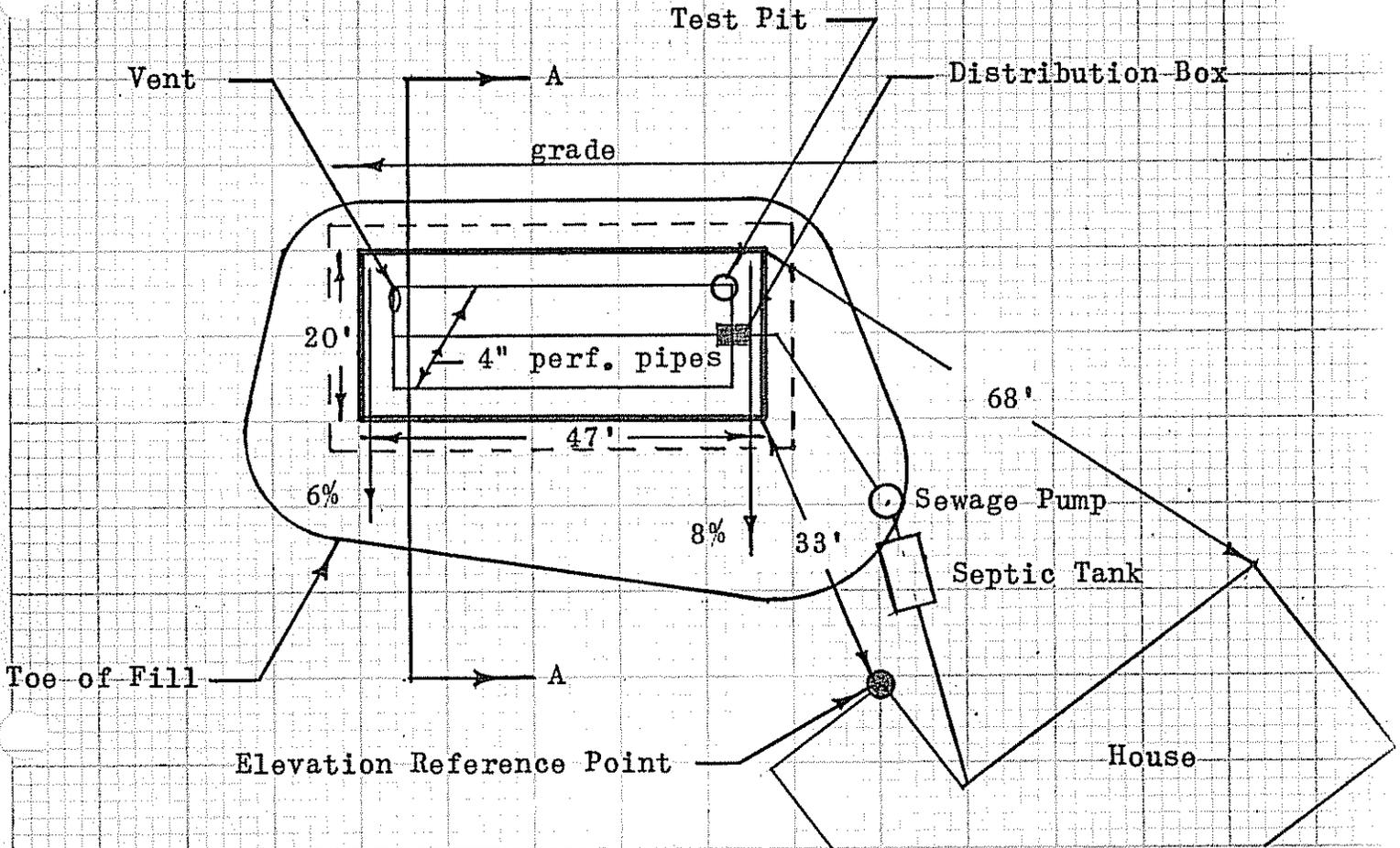
AUGUSTA

Summer Haven Road

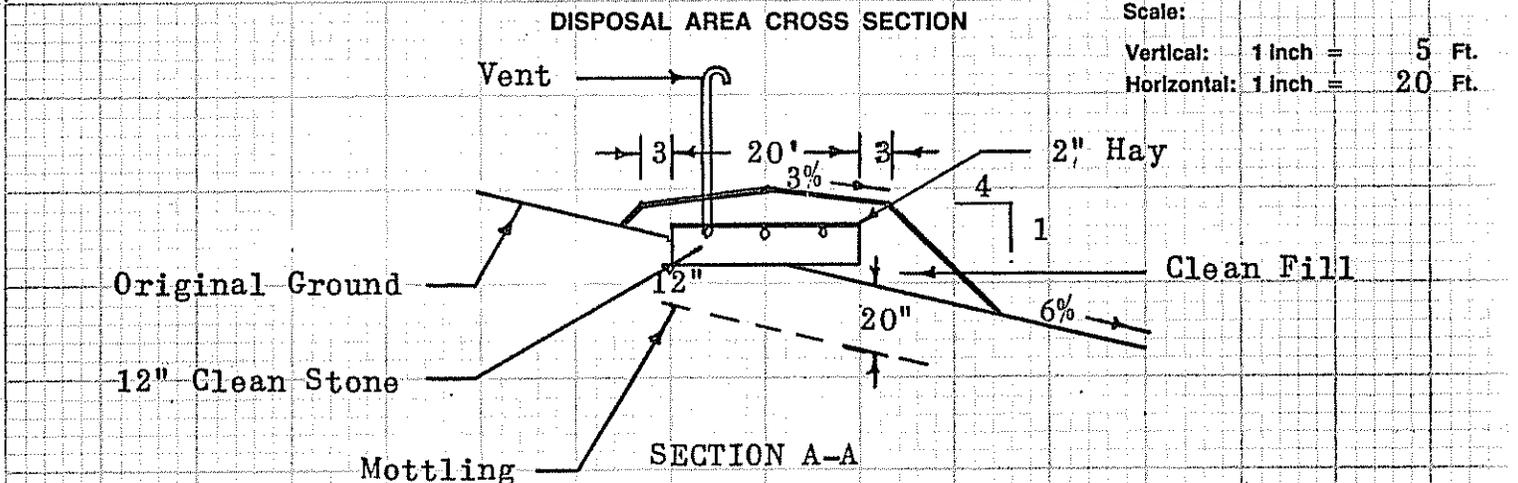
Patrick D. Michaud

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20'



FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT LOCATION & DESCRIPTION	
Depth of Fill (Upslope)	16"	Reference Elevation is	0"	see note below	
Depth of Fill (Downslope)	30"	Bottom of Disposal Area	-24"		
		Top of Distribution Lines or Chambers	-13"		



Scale:
Vertical: 1 inch = 5 Ft.
Horizontal: 1 inch = 20 Ft.

NOTE: Elevation Reference Point is a nail with red ribbon, 36" above ground in trim board of building. Elevation Reference Point is finish grade for the bed system as currently staked out.

Thomas A. Wendell
Site Evaluator Signature

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[b] small diameter pressure pipe in a pressure distribution system.

[3] A minimum total of 12 inches of stone free of fines, dust, ashes, or clay or other similar durable and insoluble material of uniform size, 3/4 to 3 inches shall be used on the bottom of the trench. The distribution line shall be installed totally within the stone.

[4] The stone shall be completely covered with one of the following materials:

[a] a minimum 2 inch layer of compressed hay.

[b] one layer of an approved non-woven filter fabric.

[c] one inch of fiberglass insulation.

[5] Clean backfill, 8-12 inches in depth, shall be carefully placed over the hay layer or approved substitute.

B. Bed Disposal Area Details

[1] A bed disposal area shall be sized in accordance with Table 12-2, and constructed in compliance with design standards of Section 11 and Table 11-1.

TABLE 12-2
Multiplying Factor for
Determining Bed Bottom Area

Disposal Area Rating From Table 6-1	Minimum Bed Bottom Area [square feet]
Small [ⓐ]	1.3 x Design Flow GPD
Medium	2.6 x Design Flow GPD
Medium Large	3.3 x Design Flow GPD
Large	4.1 x Design Flow GPD
Extra Large	5.0 x Design Flow GPD

[ⓐ] Conservative design flows in Table 7-1 shall be used for small size rated bed disposal areas serving single family dwellings.

[2] The distribution system shall be aligned to uniformly distribute wastewater throughout the entire bed disposal area using one of the following distribution methods:

[a] perforated distribution pipe installed and aligned so that the holes are located in the lower half of the pipe and meet the materials standards listed in Table 8-1.

[b] Small diameter pressure pipe in a pressure distribution system.

[3] Distribution lines shall be installed a maximum of 5 feet from the bed's stone edge and equally spaced with a maximum separation distance between lines of 5 feet.

[4] A minimum total of 12 inches of stone free of fines, dust, ashes, or clay or other similar durable and insoluble material of uniform size, 3/4 to 3 inches shall be used on the bottom of the bed disposal area. The distribution system shall be installed totally within the stone.

[5] The stone shall be completely covered with one of the following materials:

[a] a minimum 2 inch layer of compressed hay.

[b] one layer of an approved non-woven filter fabric.

[c] one inch of fiberglass insulation.

[6] Clean backfill, 8-12 inches in depth, shall be carefully placed over the hay layer or approved substitute.

C. Chamber Disposal Area Details.

[1] Chamber disposal areas shall be sized in accordance with Table 12-3, and constructed in compliance with design standards of Section 11 and Table 11-1.

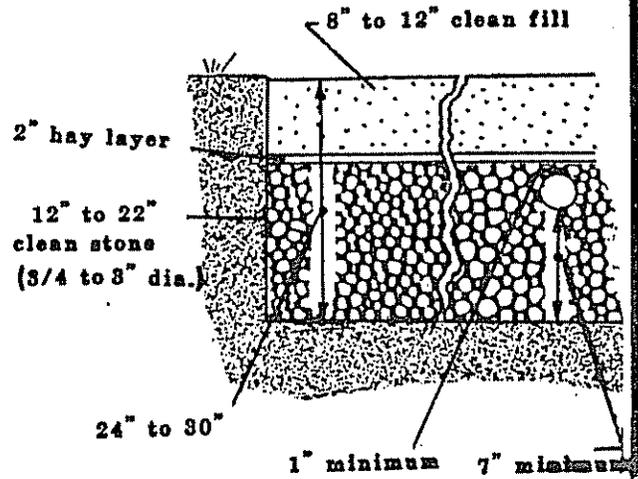
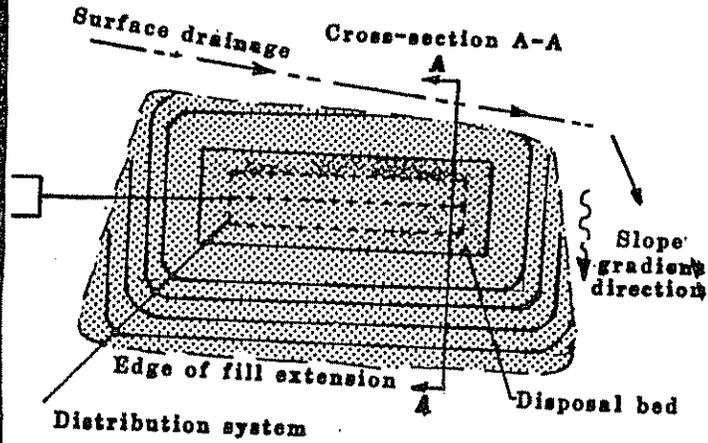
FROM MAINE PLUMBING CODE

FROM MAINE PLUMBING CODE

TYPICAL

Plan of Bed Area

Detail #1



CROSS-SECTION A-A

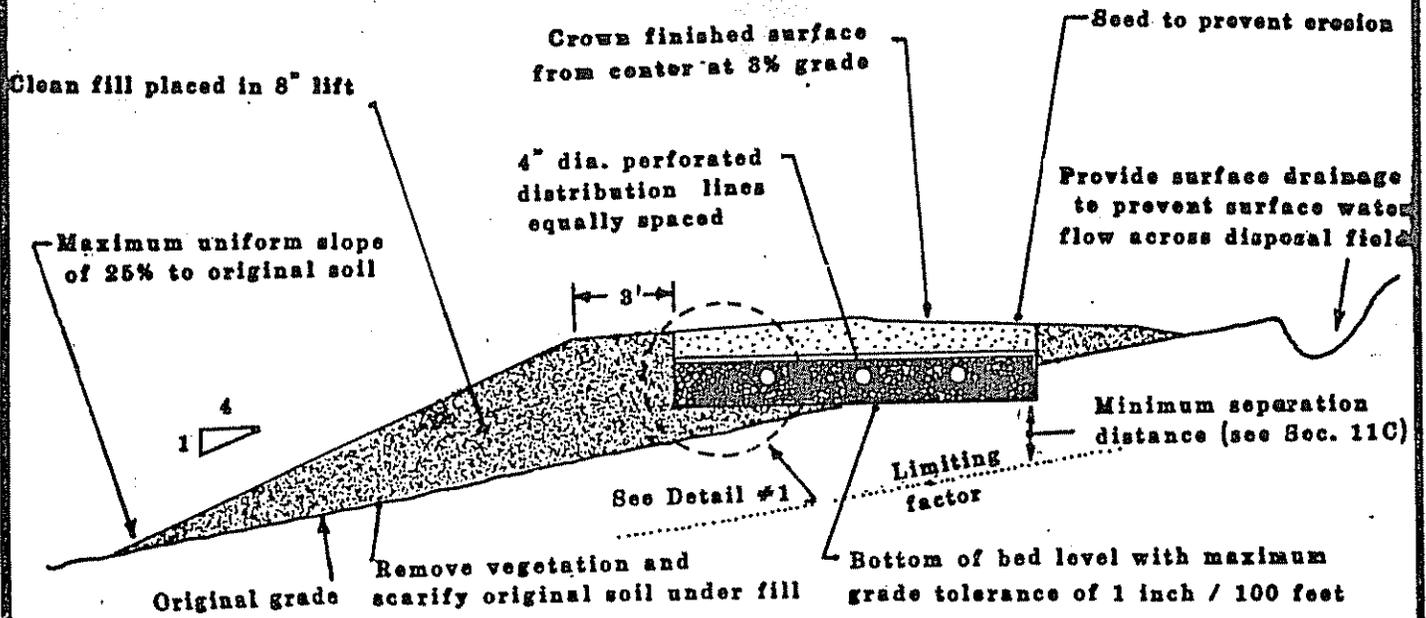


FIGURE 12-2 BED DISPOSAL AREA

10-144A CMR 241 Page 12.6 7/80

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