SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering
(207)289-3826

PROPERTY ADDRESS

Town Or Plantation	Augusta
Street bdivision Lot #	Pleasant Hill Rd.

PROPERTY OWNERS NAME

Last: McDonald First: Charles E.

Applicant Name:	Same
Mailing Address of Owner/Applicant (If Different)	RT. # 2 BOX 1530 Augusta, Me. 04330

AUGUSTA 1860 TOWN COPY
Caution: Permit Required
The Subsurface Wastewater Disposal System shall not be installed or used for the Life Safety Code Occupancy until the Local Plumbing Inspector has approved the installation.
Date Permit Issued: 5/14/90 $ 40 FEE ☐ If Double Fee Charged
John Pucamilli
Local Plumbing Inspector Signature L.P.I. # 1963

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.

Charles E. McDonald 5/10/90
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.

John R. Fuller 6-20-90
Local Plumbing Inspector Signature Date Approved

PERMIT INFORMATION

THIS APPLICATION IS FOR:
1. ☐ NEW SYSTEM
2. ☒ REPLACEMENT SYSTEM
3. ☐ EXPANDED SYSTEM
4. ☐ EXPERIMENTAL SYSTEM

SEASONAL CONVERSION
to be completed by the LPI
5. ☐ SYSTEM COMPLIES WITH RULES
6. ☐ CONNECTED TO SANITARY SEWER
7. ☐ SYSTEM INSTALLED – P# _____
8. ☐ SYSTEM DESIGN RECORDED AND ATTACHED

THIS APPLICATION REQUIRES:
1. ☒ NO RULE VARIANCE
2. ☐ NEW SYSTEM VARIANCE Attach New System Variance Form
3. ☐ REPLACEMENT SYSTEM VARIANCE Attach Replacement System Variance Form
a. ☐ Requiring Local Plumbing Inspector Approval
b. ☐ Requires State and Local Plumbing Inspector Approval
4. ☐ MINIMUM LOT SIZE VARIANCE

INSTALLATION IS:
COMPLETE SYSTEM
1. ☒ NON-ENGINEERED SYSTEM
2. ☐ PRIMITIVE SYSTEM (Includes Alternative Toilet)
3. ☐ ENGINEERED (+2000 gpd)

INDIVIDUALLY INSTALLED COMPONENTS:
4. ☐ TREATMENT TANK (ONLY)
5. ☐ HOLDING TANK _____ GAL
6. ☐ ALTERNATIVE TOILET (ONLY)
7. ☐ NON-ENGINEERED DISPOSAL AREA (ONLY)
8. ☐ ENGINEERED DISPOSAL AREA (ONLY)
9. ☐ SEPARATED LAUNDRY SYSTEM

IF REPLACEMENT SYSTEM:
YEAR FAILING SYSTEM INSTALLED 1940±
THE FAILING SYSTEM IS:
1. ☐ BED 3. ☐ TRENCH
2. ☐ CHAMBER 4. ☒ OTHER: cesspool

DISPOSAL SYSTEM TO SERVE:
1. ☒ SINGLE FAMILY DWELLING
2. ☐ MODULAR OR MOBILE HOME
3. ☐ MULTIPLE FAMILY DWELLING
4. ☐ OTHER _____ SPECIFY

SIZE OF PROPERTY	ZONING	TYPE OF WATER SUPPLY
25,500 □'	Rural	Drilled well

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK
1. ☒ SEPTIC: ☒ Regular ☐ Low Profile
2. ☐ AEROBIC May need
SIZE: 1000 GALS.

WATER CONSERVATION
1. ☒ NONE
2. ☐ LOW VOLUME TOILET
3. ☐ SEPARATED LAUNDRY SYSTEM
4. ☐ ALTERNATIVE TOILET
SPECIFY: _____

PUMPING
1. ☐ NOT REQUIRED
2. ☒ MAY BE REQUIRED (DEPENDING ON TREATMENT TANK LOCATION AND ELEVATION)
3. ☐ REQUIRED
DOSE: 30 GALS.

CRITERIA USED FOR DESIGN FLOW (BEDROOMS, SEATING, EMPLOYEES, WATER RECORDS, ETC.)
Two Bedroom Home – Min. design Flow Plus 11%
DESIGN FLOW: 200 (GALLONS/DAY)

SOIL CONDITIONS USED FOR DESIGN PURPOSES

PROFILE	CONDITION
8	C

DEPTH TO LIMITING FACTOR: 15

SIZE RATINGS USED FOR DESIGN PURPOSES
1. ☐ SMALL
2. ☐ MEDIUM
3. ☐ MEDIUM-LARGE
4. ☒ LARGE
5. ☐ EXTRA LARGE

DISPOSAL AREA TYPE/SIZE
1. ☐ BED _____ Sq. Ft.
2. ☒ CHAMBER 400 Sq. Ft. ☐ REGULAR ☐ H-20 → Plastic
3. ☐ TRENCH _____ Linear Ft.
4. ☐ OTHER: _____

SITE EVALUATOR STATEMENT

On 4/28/90 (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.

David P. Rocque 154 4/28/90
Site Evaluator Signature SE# Date

(Local Plumbing Inspector's Signature if permit is for Seasonal Conversion.)

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

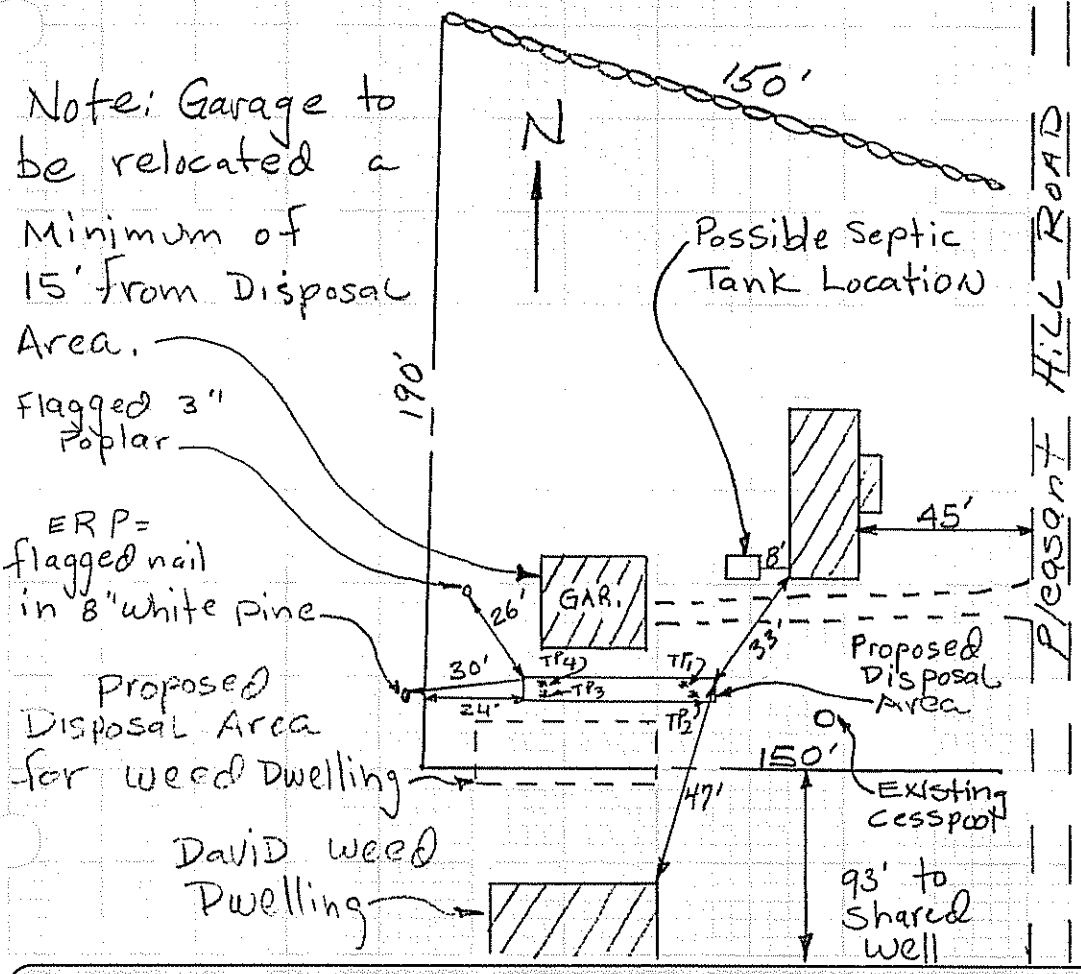
Town, City, Plantation: Augusta

Street, Road, Subdivision: Pleasant Hill RD.

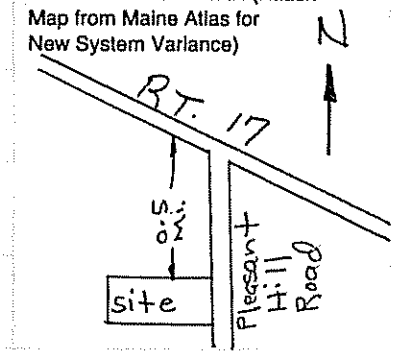
Owners Name: Charles E. McDonald

SITE PLAN

Scale 1" = 50' Ft.



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



Note: Septic Tank To Be Min. 8' from Dwelling.

Effluent line from septic Tank to Disposal Area to be insulated to prevent freezing.

Proposed Disposal Area is 110' from Shared well.

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

Observation Hole TP1 ☒ Test Pit ☐ Boring

SOD " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Texture	Consistency	Color	Mottling
Loam	Friable	Brown	
V.F.S.L. To Silt Loam	To Firm	Y. Brown to olive Brown	NONE
Fine Sandy Loam	Firm	olive Brown	
Sandy Loam Till	V. Firm		Common Faint

Soil	Classification	Slope	Limiting Factor	
3 Profile	C Condition	10 %	29"	☒ Ground Water ☒ Restrictive Layer ☐ Bedrock

Observation Hole TP2 ☒ Test Pit ☐ Boring

SOD " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Texture	Consistency	Color	Mottling
Loam		Brown	
Fine Sandy Loam Silt Loam	Friable	yellow Brown olive	NONE
Sandy Loam Till	Firm	Brown	Common Faint

Soil	Classification	Slope	Limiting Factor	
8 Profile	C Condition	10 %	18"	☒ Ground Water ☒ Restrictive Layer ☐ Bedrock

David P. Roque
Site Evaluator Signature

154
SE#

4/28/90
Date

HHE-200 Rev. 1/84

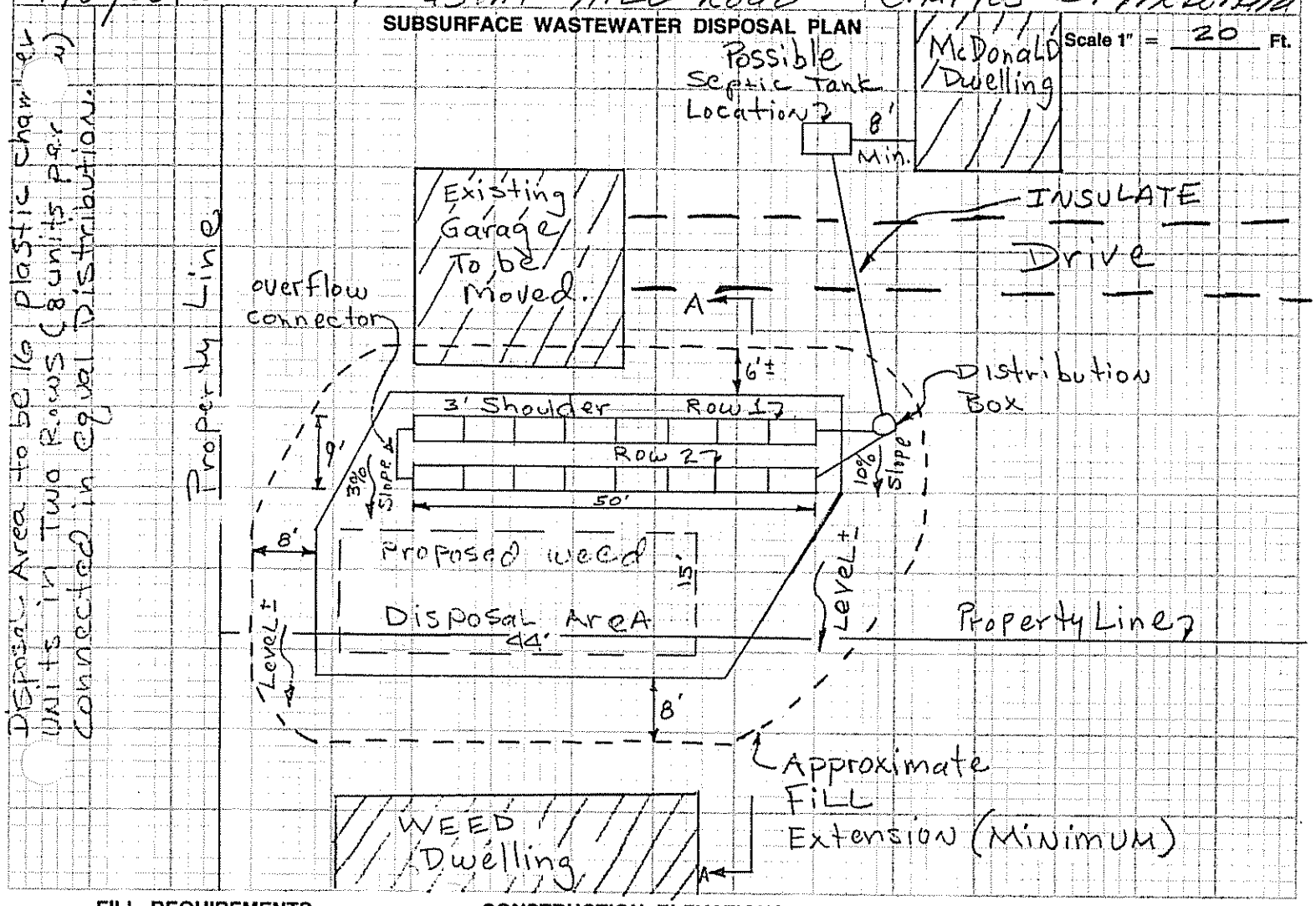
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation	Street, Road, Subdivision	Owners Name
Augusta	Pleasant Hill Road	Charles E. McDonald

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20 Ft.



FILL REQUIREMENTS

Depth of Fill (Upslope) 24-27"
Depth of Fill (Downslope) 24-29"

CONSTRUCTION ELEVATIONS

Reference Elevation is 0"
Bottom of Disposal Area See Below
Top of Distribution Lines or Chambers ___

ELEVATION REFERENCE POINT LOCATION & DESCRIPTION

flagged nail in 8" White Pine

DISPOSAL AREA CROSS SECTION

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

	Bottom of Trench	Top of Chambers
Row #1	-44"	-29"
Row #2	-48"	-33"

David P. Roque
Site Evaluator Signature

154
SE#

4/28/90
Date

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

Observation Hole TP3 ☒ Test Pit ☐ Boring

SOD " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Texture	Consistency	Color	Mottling
SILT Loam	Friable	Brown To olive Brown	None
	Somewhat Firm		
LARGE		ROCK	

Soil Profile	Classification Condition	Slope	Limiting Factor	
B	C	3 %	15"	☐ Ground Water ☒ Restrictive Layer ☐ Bedrock

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

Observation Hole TP4 ☒ Test Pit ☐ Boring

SOD " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Texture	Consistency	Color	Mottling
Loam	Friable	Brown	
		Yellow Brown	None
~~SILT Loam~~		~~olive Brown~~	
Sandy Loam TILL	Firm	olive	Few Faint

Soil Profile	Classification Condition	Slope	Limiting Factor	
B	C	3 %	19"	☒ Ground Water ☒ Restrictive Layer ☐ Bedrock

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

Observation Hole _____ ☐ Test Pit ☐ Boring

_____ " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Texture	Consistency	Color	Mottling

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

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

Observation Hole _____ ☐ Test Pit ☐ Boring

_____ " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Texture	Consistency	Color	Mottling

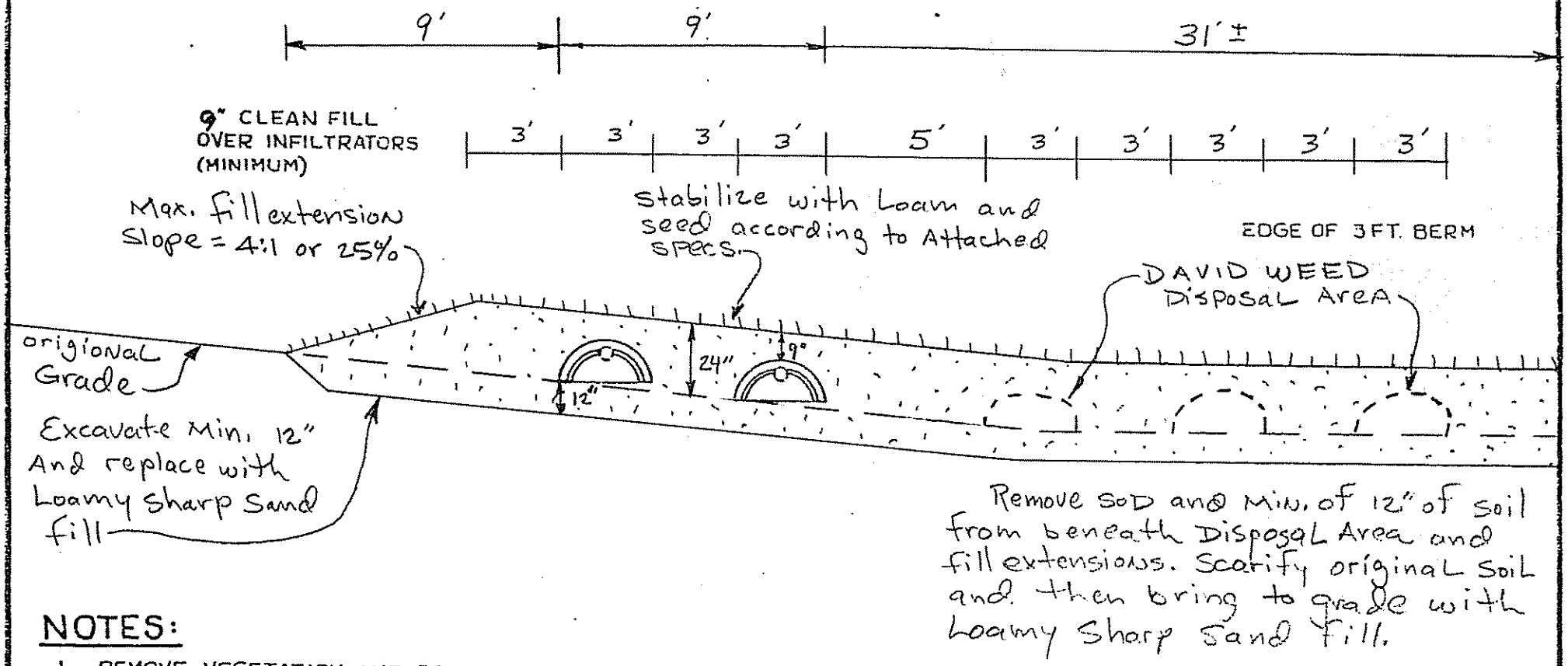
Soil Profile	Classification Condition	Slope	Limiting Factor	
		%	"	☐ Ground Water ☐ Restrictive Layer ☐ Bedrock

David P. Roque
Site Evaluator Signature

154
SE#

4/28/90
Date

INFILTRATOR CROSS SECTION 9-10%



NOTES:

1. REMOVE VEGETATION AND SCARIFY ORIGINAL SOIL UNDER INFILTRATORS AND FILL EXTENSION AREAS.
2. BOTTOM OF INFILTRATORS TO BE LEVEL WITH A MAXIMUM GRADE TOLERANCE OF 1" PER 100'.
3. PROVIDE FOR SURFACE DRAINAGE AWAY FROM INFILTRATOR AREA.
4. FINISHED GRADE SHALL BE SEEDED AND MULCHED TO PREVENT EROSION.

ORIGINAL GRADE 4%-10%

FILL UNDER INFILTRATORS TO BE Loamy Sharp Sand TEXTURE.

FILL AROUND INFILTRATORS TO BE Loamy Sharp Sand TEXTURE.

SITE EVALUATOR: David P. Rocque		
OWNER: Charles E. McDonald	NUMBER OF INFILTRATORS: 16	PERCENT SLOPE: 4-10
LOCATION: AUGUSTA Pleasant Hill Road	ELEVATIONS: REFERENCE PT. 0	BOTTOM TRENCH #1 -44"
DATE: 4/28/	SCALE: 1 INCH = 5 FEET	BOTTOM TRENCH #2 -48"