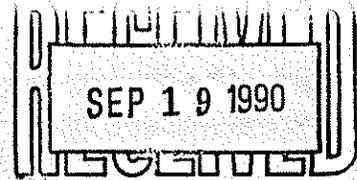


Town Copy



John R. McKernan, Jr.
Governor

Rollin Ives
Commissioner

STATE OF MAINE
DEPARTMENT OF HUMAN SERVICES
AUGUSTA, MAINE 04333

September 18, 1990

Keith McCray
RFD 3 Box 955
Augusta ME 04330

SUBJECT: Approval of New System Variance Request, McCray property, 8 Rod Road, Augusta

Dear Mr. McCray:

Our review of your Application for a New System Variance indicates that a new disposal system cannot be installed on your property in full compliance with the Rules. You have requested the following:

To allow a disposal system to be installed 75 feet from an existing well.

The Division approves of the application dated 8/13/90 by William Brown, SE.

Mr. Brown shall be retained to establish the system location and elevation at the time of construction.

Gary Fuller, the Local Plumbing Inspector shall issue a permit prior to the system's installation. The system shall be constructed in compliance with the submitted application.

Very truly yours,

A handwritten signature in cursive script that reads 'Wallace W. Hinckley'.

Wallace W. Hinckley
Manager, Plumbing Control Program

WWH/ld

cc: Gary Fuller, LPI
William Brown, SE

NEW SYSTEM VARIANCE REQUEST

This form shall accompany an Application for a proposed new system which requires a Variance to certain provisions of the Subsurface Wastewater Disposal Rules. A check or money order for \$20.00 payable to the Treasurer of the State shall accompany this request form. The local plumbing inspector shall not issue a Permit for the installation of a subsurface wastewater disposal system until approval has been received from the Department.

GENERAL INFORMATION

Town of Augusta

Property Owner's Name: Keith McCray

System's Location: 8 Rod Road Augusta, Maine

Property Owner's Address: RFD 3 Box 955
(if different from above) Augusta, Maine 04330

VARIANCE CONDITIONS

The Department has the authority to vary the requirements of the Rules in accordance with CMR 241.16 of the Rules if all the following criteria are satisfied:

- a. The variance request has the approval of the LPI.
- b. The Municipal Officials have indicated that the variance does not conflict with any local wastewater disposal ordinances.
- c. The variance request demonstrates that there is no practical alternative for wastewater disposal, such as access to public sewer or the potential for an easement.
- d. The proposed system does not conflict with any provision controlling subsurface wastewater disposal in the Shoreland Zone.
- e. The site offers potential for a system which will dispose of the wastewater with minimal threat to public health, safety, or welfare.
- f. The property owner has indicated an awareness of the variance and any limitations or added costs the proposed system may require.

SPECIFIC VARIANCE REQUESTED (To be filled in by Site Evaluator)

SECTION OF CODE

1. Variance to install septic tank 75' from well Table 6-2
2. _____
3. _____

IF VARIANCE REQUEST IS FOR SEC. 6.B.3 SUITABLE SOIL CONDITIONS, FILL IN TABLE BELOW.

SOIL, SITE AND ENGINEERING FACTORS FOR ASSESSING NEW SYSTEM VARIANCE POTENTIAL

(SEE TABLE 16-1)

	CHARACTERISTIC	POINT ASSESSMENT	
Soil Profile		N/A	
Depth to Groundwater			
Size of Property			
Terrain			
Waterbody Setback			
Water Supply			
Type of Development			
Design Flow			
Separation Distance			
Additional Treatment			
TOTAL POINT ASSESSMENT			

20.00
Treasurer of State

LOCAL PLUMBING INSPECTOR

The local plumbing inspector shall review all New System Variance requests prior to submission to the Division of Health Engineering. The LPI shall inform the Division of Health Engineering of any factors relative to the variance request not specifically noted by the property owner or the site evaluator.

The proposed system does does not conflict with any provision controlling subsurface wastewater disposal systems in the Shoreland Zone.

CONCLUSIONS: I, Jay R. Jolly, the undersigned, have visited the above property and find that it is not possible to conform to certain provisions of the Rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property.

Therefore, I recommend the issuance of a permit for the system's installation as proposed by the application.

Jay R. Jolly
SIGNATURE OF LPI

Aug 30, 1990
DATE

STATEMENTS, JUSTIFICATIONS AND RESPONSIBILITIES

PROPERTY OWNER

The property owner shall provide accurate information to the Site Evaluator, the LPI, and the Department and elaborate below the reasons for requesting the variance(s).

(ATTACH ADDITIONAL SHEETS, IF NEEDED)

I, Keith McCray, am the owner prospective owner of the subject property. I understand that the installation on the Application is not in total compliance with the Rules. I have indicated my reasons for requesting the variance(s). Should the proposed system malfunction, I release all concerned provided they have performed their duties in a reasonable and proper manner, and I will promptly notify the Local Plumbing Inspector and make any corrections required by the Rules. By signing the variance request form, I acknowledge permission for representatives of the Department to enter onto the property to perform such duties as may be necessary to evaluate the variance request.

Keith McCray

8/29/90

SIGNATURE OF OWNER
 SIGNATURE OF PROSPECTIVE PURCHASER

DATE

HAS REVIEW FEE BEEN ENCLOSED

SITE EVALUATOR

When an undeveloped property is found to be unsuitable for subsurface wastewater disposal by a Licensed Site Evaluator, the Evaluator shall so inform the property owner. If the property owner, after exploring all other alternatives, wishes to request a Variance to the requirements of the Rules, and the Evaluator in his professional opinion feels the variance request is justified and that the site limitations can be overcome, he shall document the soil and site conditions on the Application. The Evaluator shall list the specific variances necessary plus describe below the proposed system design and function. The Evaluator shall further describe how the specific site limitations are to be overcome, and provide any other support documentation as required prior to consideration by the Department.

The proposed 20'x40' leachfield will serve a one-bedroom apartment in the house. The remainder of the house has an existing septic system.

The proposed location of the septic tank and lift station should be approximately 70' from the owner's well to avoid excessive depth of the septic tank in a seasonally wet area. The septic tank will be tested for water-tightness in the presence of the LPI to ensure integrity of the septic tank. I believe that this will overcome the site limitation.

(ATTACH ADDITIONAL SHEETS, IF NEEDED)

I, William P Brown, S.E., certify that a variance to the Rules is necessary since a system cannot be installed which will completely satisfy all the Rule requirements. In my judgement, the proposed system design on the attached Application is the best alternative available; enhances the potential of the site for subsurface wastewater disposal; and that the system should function properly.

William P Brown

8/14/90

SIGNATURE OF SITE EVALUATOR

DATE

MUNICIPAL OFFICER(s) (Selectman, Councilman, Alderman, Mayor, Town Manager)

We the municipal Officer(s) of _____ have reviewed this application and are aware that the applicant is applying to the Division of Health Engineering for a variance to the Subsurface Wastewater Disposal Rules because the proposed system does not meet all requirements of the Rules. The proposed variance request does does not comply with all Municipal Ordinances relating to subsurface wastewater disposal.

Richard J. Dumont

Councilman

Sept. 6, 1990

SIGNATURE FOR THE MUNICIPALITY

TITLE

DATE

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

PROPERTY ADDRESS	
Town Or Plantation	Augusta
Street Subdivision Lot #	Eight Rod Road
PROPERTY OWNERS NAME	
Last: McCray	First: Keith
Applicant Name:	RFD 3 Box 955
Mailing Address of Owner/Applicant (If Different)	Augusta, Me 04330

1/3/91

AUGUSTA

CUSTOMER PERMIT 1974 TOWN COPY

Date Permit Issued: 8/13/90 FEE: \$ 140.00 Double Fee Charged

L.P.I. # 181514

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.

Keith McCray 8-9790
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.

Keith McCray 5/13/91
Local Plumbing Inspector Signature Date Approved

PERMIT INFORMATION

<p>THIS APPLICATION IS FOR:</p> <ol style="list-style-type: none"> <input checked="" type="checkbox"/> NEW SYSTEM <input type="checkbox"/> REPLACEMENT SYSTEM <input type="checkbox"/> EXPANDED SYSTEM <input type="checkbox"/> EXPERIMENTAL SYSTEM <p>SEASONAL CONVERSION to be completed by the LPI</p> <ol style="list-style-type: none"> <input type="checkbox"/> SYSTEM COMPLIES WITH RULES <input type="checkbox"/> CONNECTED TO SANITARY SEWER <input type="checkbox"/> SYSTEM INSTALLED - P# _____ <input type="checkbox"/> SYSTEM DESIGN RECORDED AND ATTACHED 	<p>THIS APPLICATION REQUIRES:</p> <ol style="list-style-type: none"> <input type="checkbox"/> NO RULE VARIANCE <input checked="" type="checkbox"/> NEW SYSTEM VARIANCE Attach New System Variance Form <input type="checkbox"/> REPLACEMENT SYSTEM VARIANCE Attach Replacement System Variance Form <input type="checkbox"/> MINIMUM LOT SIZE VARIANCE 	<p>INSTALLATION IS:</p> <p>COMPLETE SYSTEM</p> <ol style="list-style-type: none"> <input checked="" type="checkbox"/> NON-ENGINEERED SYSTEM <input type="checkbox"/> PRIMITIVE SYSTEM (Includes Alternative Toilet) <input type="checkbox"/> ENGINEERED (+ 2000 gpd) <p>INDIVIDUALLY INSTALLED COMPONENTS:</p> <ol style="list-style-type: none"> <input type="checkbox"/> TREATMENT TANK (ONLY) <input type="checkbox"/> HOLDING TANK _____ GAL <input type="checkbox"/> ALTERNATIVE TOILET (ONLY) <input type="checkbox"/> NON-ENGINEERED DISPOSAL AREA (ONLY) <input type="checkbox"/> ENGINEERED DISPOSAL AREA (ONLY) <input type="checkbox"/> SEPARATED LAUNDRY SYSTEM
<p>IF REPLACEMENT SYSTEM:</p> <p>YEAR FAILING SYSTEM INSTALLED _____</p> <p>THE FAILING SYSTEM IS:</p> <ol style="list-style-type: none"> <input type="checkbox"/> BED <input type="checkbox"/> CHAMBER <input type="checkbox"/> TRENCH <input type="checkbox"/> OTHER: _____ 	<p>DISPOSAL SYSTEM TO SERVE:</p> <ol style="list-style-type: none"> <input type="checkbox"/> SINGLE FAMILY DWELLING <input type="checkbox"/> MODULAR OR MOBILE HOME <input type="checkbox"/> MULTIPLE FAMILY DWELLING <input checked="" type="checkbox"/> OTHER <u>Apartment</u> SPECIFY 	<p>TYPE OF WATER SUPPLY</p> <p><u>Drilled well</u></p>
<p>SIZE OF PROPERTY: <u>5ac±</u></p>	<p>ZONING: <u>Residential</u></p>	

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

<p>TREATMENT TANK</p> <ol style="list-style-type: none"> <input checked="" type="checkbox"/> SEPTIC: <input checked="" type="checkbox"/> Regular <input type="checkbox"/> Low Profile <input type="checkbox"/> AEROBIC <p>SIZE: <u>1000</u> GALS.</p>	<p>WATER CONSERVATION</p> <ol style="list-style-type: none"> <input checked="" type="checkbox"/> NONE <input type="checkbox"/> LOW VOLUME TOILET <input type="checkbox"/> SEPARATED LAUNDRY SYSTEM <input type="checkbox"/> ALTERNATIVE TOILET <p>SPECIFY: _____</p>	<p>PUMPING</p> <ol style="list-style-type: none"> <input type="checkbox"/> NOT REQUIRED <input type="checkbox"/> MAY BE REQUIRED (DEPENDENT ON TREATMENT TANK LOCATION AND ELEVATION) <input checked="" type="checkbox"/> REQUIRED <p>DOSE: <u>50</u> GALS.</p>	<p>CRITERIA USED FOR DESIGN FLOW (BEDROOMS, SEATING, EMPLOYEES, WATER RECORDS, ETC.)</p> <p><u>2 bedroom apartment</u></p> <p>DESIGN FLOW: <u>180</u> (GALLONS/DAY)</p>			
<p>SOIL CONDITIONS USED FOR DESIGN PURPOSES</p> <table style="width: 100%;"> <tr> <td>PROFILE: <u>8</u></td> <td>CONDITION: <u>C</u></td> </tr> <tr> <td>DEPTH TO LIMITING FACTOR: <u>15</u></td> <td></td> </tr> </table>	PROFILE: <u>8</u>	CONDITION: <u>C</u>		DEPTH TO LIMITING FACTOR: <u>15</u>		<p>SIZE RATINGS USED FOR DESIGN PURPOSES</p> <ol style="list-style-type: none"> <input type="checkbox"/> SMALL <input type="checkbox"/> MEDIUM <input type="checkbox"/> MEDIUM-LARGE <input checked="" type="checkbox"/> LARGE <input type="checkbox"/> EXTRA LARGE
PROFILE: <u>8</u>	CONDITION: <u>C</u>					
DEPTH TO LIMITING FACTOR: <u>15</u>						

SITE EVALUATOR STATEMENT

On Aug 13, 1990 (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.

William P Brown
Site Evaluator Signature

158
SE#

8/13/90
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

Eight Rod Road

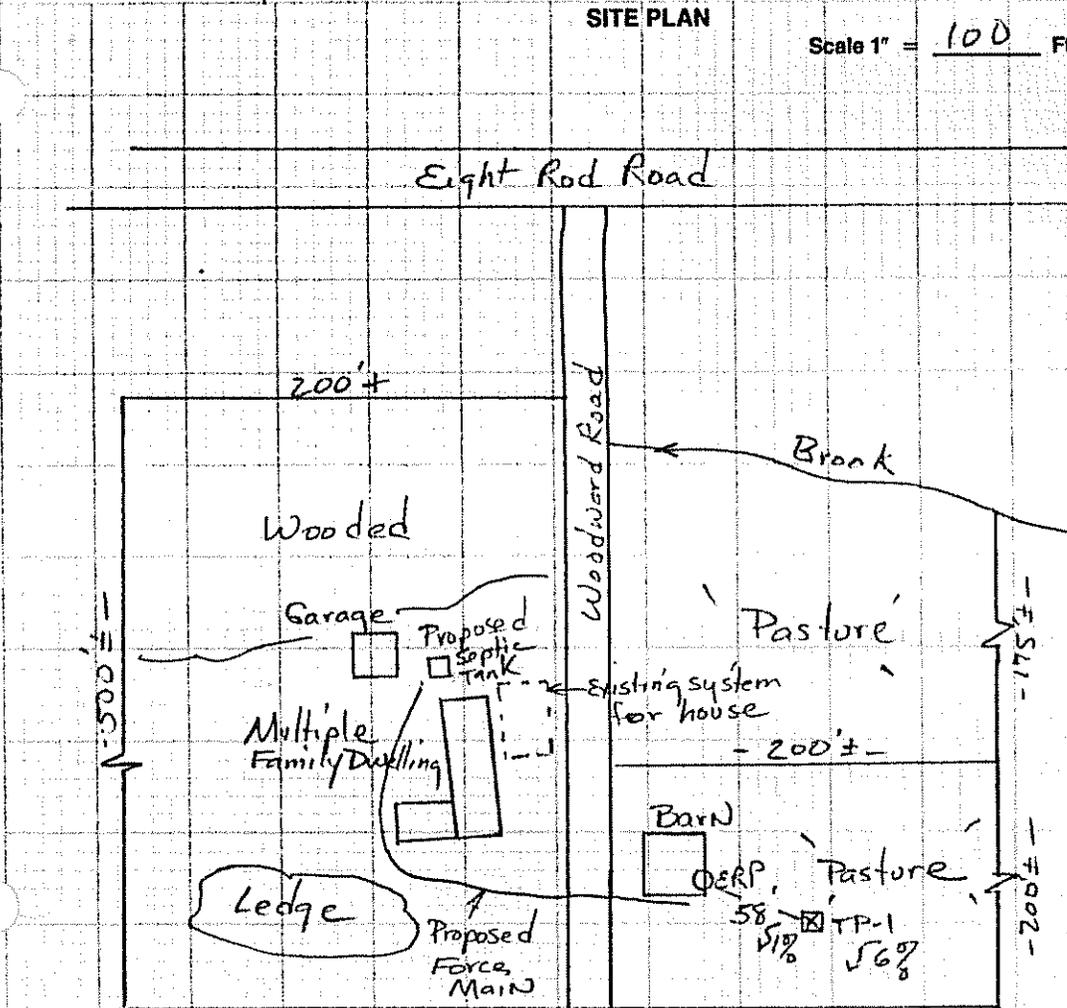
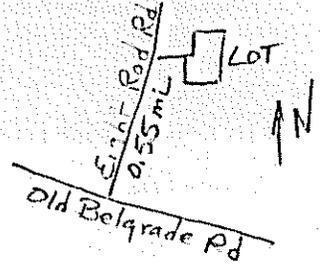
Owners Name

Keith McCray

SITE PLAN

Scale 1" = 100 Ft.

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



Existing septic system serves a three bedroom house and two bedroom apartment.

SOIL DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

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

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0	Sandy Loam	ENABLE	Medium BROWN	
8	Loamy Sand		Light BROWN	
15				None
20	Silt Loam	FIRM	Olive	Common
30				
40				
50				

Soil Profile <u>8</u>	Classification Condition <u>C</u>	Slope <u>1-6</u> %	Limiting Factor <u>15</u>	<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock
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Observation Hole _____ Test Pit Boring
_____ " Depth of Organic Horizon Above Mineral Soil

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

Soil Profile _____	Classification Condition _____	Slope _____ %	Limiting Factor _____	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock
--------------------	--------------------------------	---------------	-----------------------	---

William P Brown
Site Evaluator Signature

188
SE#

8/13/90
Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation

Augusta

Street, Road, Subdivision

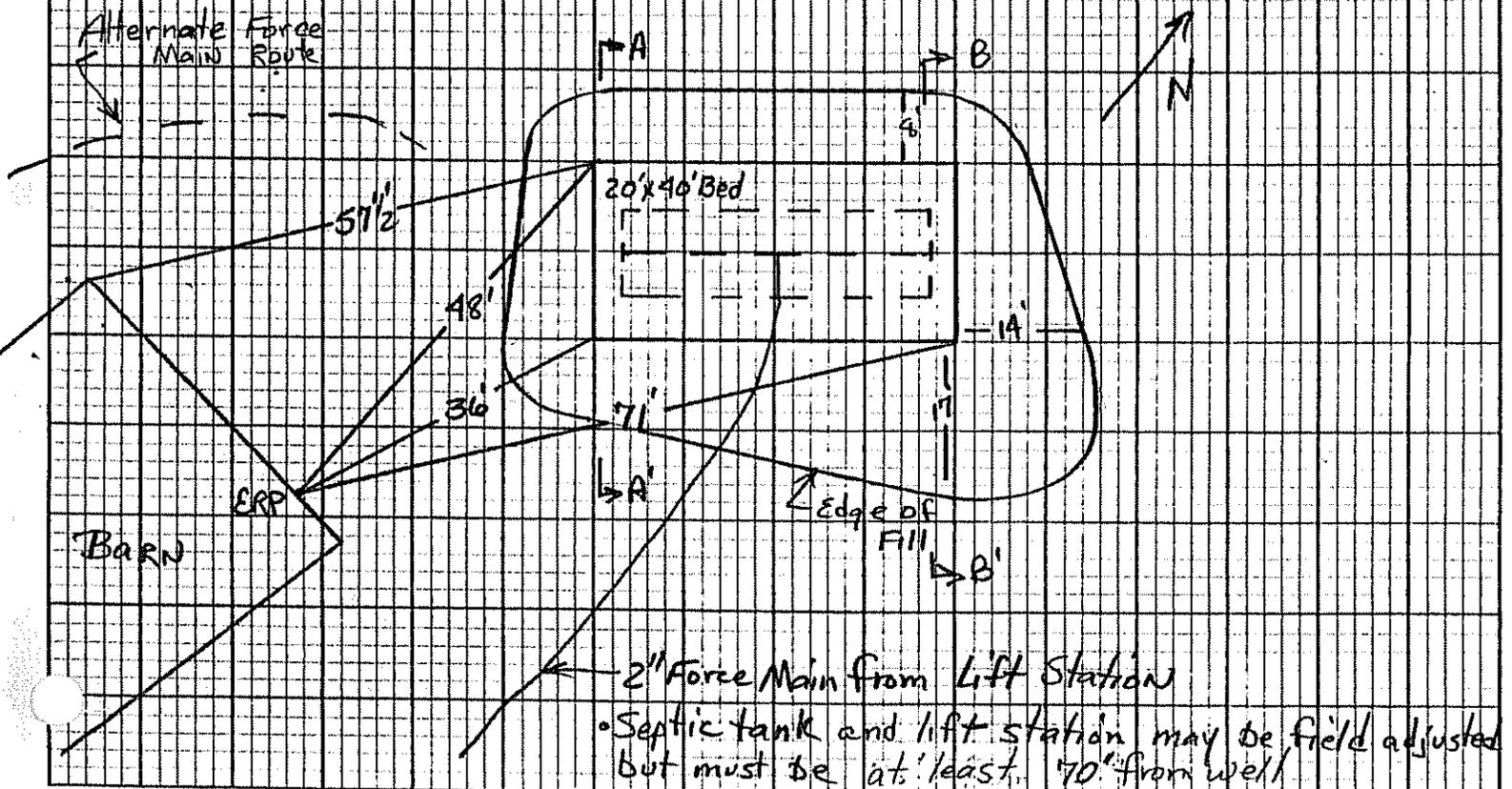
Eight Rod Road

Owners Name

Keith McCray

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20' Ft.



FILL REQUIREMENTS

Depth of Fill (Upslope) 21-22"
Depth of Fill (Downslope) 22-35"

CONSTRUCTION ELEVATIONS

Reference Elevation Is 00'
Bottom of Disposal Area -39"
Top of Distribution Lines or Chambers -28"

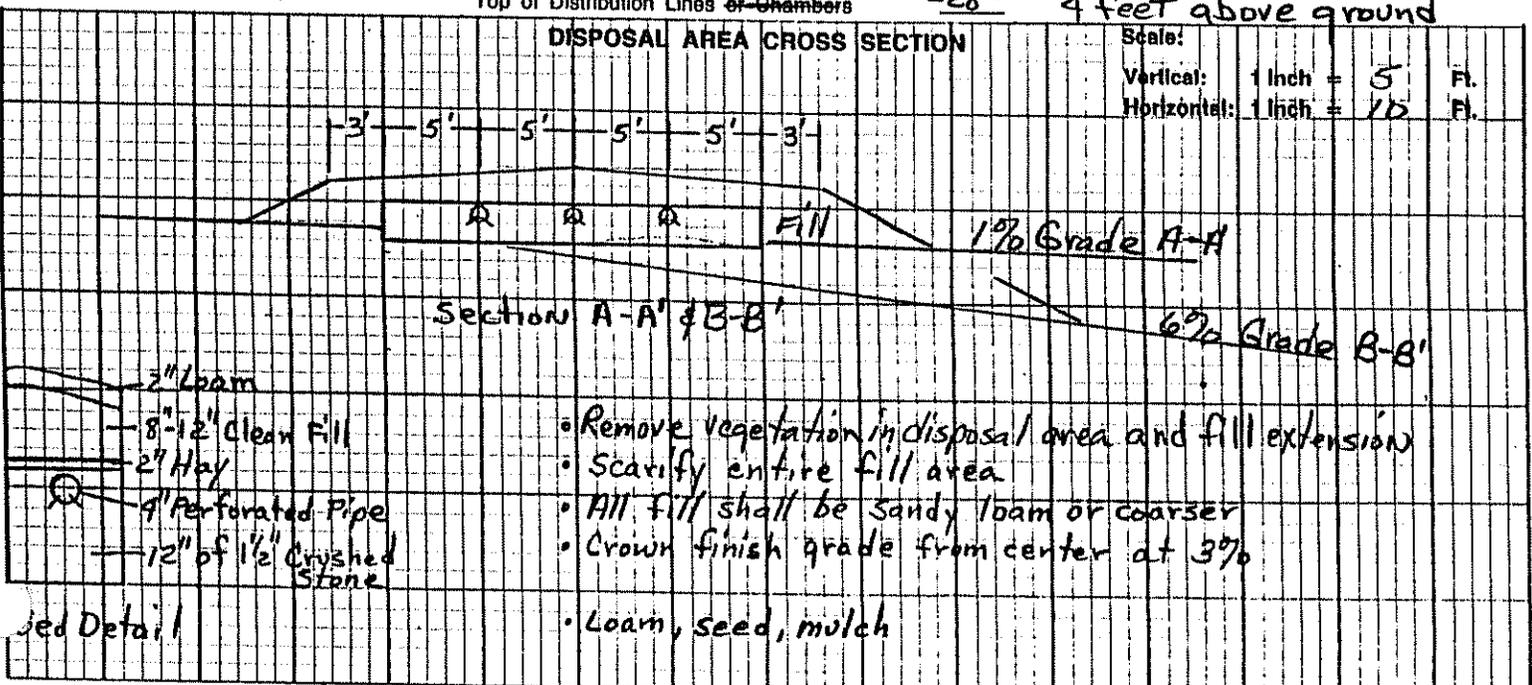
ELEVATION REFERENCE POINT

LOCATION & DESCRIPTION
Flagged nail at bottom of window,
4 feet above ground

DISPOSAL AREA CROSS SECTION

Scale:

Vertical: 1 inch = 5' Ft.
Horizontal: 1 inch = 10' Ft.



- Remove vegetation in disposal area and fill extension
- Scarify entire fill area
- All fill shall be sandy loam or coarser
- Crown finish grade from center at 3%
- Loam, seed, mulch

William P. Brown
Site Evaluator Signature

188
SE#

8/13/90
Date

