

Augusta 5/21/13

Department of Health and Human Services
 Maine Center for Disease Control and Prevention
 286 Water Street
 # 11 State House Station
 Augusta, Maine 04333-0011
 Tel: (207) 287-5672
 Fax: (207) 287-4172; TTY: 1-800-606-0215

SUBSURFACE WASTEWATER DISPOSAL SYSTEM VARIANCE REQUEST

This form must accompany an application (HHE-200 Form) for any subsurface wastewater disposal system which requires a variance to provisions of the Subsurface Wastewater Disposal Rules. The Local Plumbing Inspector must not issue a permit for the installation of a subsurface wastewater disposal system requiring a variance from the Department of Health and Human Services until approval has been received from the Department.

GENERAL INFORMATION		Town of <u>AUGUSTA</u>
Property Owner's Name: <u>CHRIS MERRILL</u>	Tel. No.: <u>207 446 3247</u>	
System's Location: <u>58 CHURCH HILL ROAD - TAX MAP 11 LOT 15</u>		
Property Owner's Address: <u>58 CHURCH HILL ROAD, AUGUSTA</u>	Zip Code <u>04330</u>	
e-mail address: _____		

The subsurface wastewater disposal system design for the subject property requires a replacement system variance first time system variance to the Subsurface Wastewater Disposal Rules. This variance requires local approval local and state approval.

SPECIFIC VARIANCE REQUESTED (To be filled in by Site Evaluator. Use additional sheets if needed.)	SECTION OF RULE
1. <u>ALLOW REAR SETBACK FROM DISPOSAL FIELD TO OWNERS WELL TO 70'</u>	<u>TABLE 9A</u>
2. _____	_____
3. _____	_____

SITE EVALUATOR

When a 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 Rules, and the Evaluator in his professional opinion feels the variance request is justified and 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. Attach a separate sheet if necessary.

SMALL LOT SIZE AND UNAVAILABLE ADJUTING PROPERTY DOES NOT ALLOW REPLACEMENT DISPOSAL FIELD TO MEET SETBACK FROM OWNERS WELL.

I, John W Lora, Jr, 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 judgment, 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.

[Signature]
SIGNATURE OF SITE EVALUATOR

5/20/2013
DATE

PROPERTY OWNER

I, CHRISTOPHER A. MERRILL, am the owner agent for the owner of the subject property. I understand that the installation on the Application is not in total compliance with the Rules. 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.

[Signature]
SIGNATURE OF OWNER

22 May 2013
DATE

AGENT FOR THE OWNER

LOCAL PLUMBING INSPECTOR - Approval at local level

The local plumbing inspector shall review all variance requests prior to rendering a decision.

I, Robert Overton, the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system (does does not) conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone. Therefore, I (do do not) approve the requested variance. I (will will not) issue a permit for the system's installation as proposed by the application.

[Signature]
LPI Signature

5/29/13
Date

LOCAL PLUMBING INSPECTOR - Referral to the Department

The local plumbing inspector shall review all variance requests prior to forwarding to the Division of Environmental Health.

I, _____, the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system (does does not) conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone. Therefore, I (do do not) recommend the issuance of a permit for the system's installation as proposed by the application.

LPI Signature

Date

FOR USE BY THE DEPARTMENT ONLY

The Department has reviewed the variance(s) and (does does not) give its approval. Any additional requirements, recommendations, or reasons for the Variance denial, are given in the attached letter.

SIGNATURE OF THE DEPARTMENT

DATE

- Notes:
1. Variances for soil conditions may be approved at the local level as long as the total point assessment is at least the minimum allowed. (See Section 7.B.4 of the Subsurface Wastewater Disposal Rules for Municipal Review.)
 2. Variances for other than soil conditions or soil conditions beyond the limit of the LPI's authority are to be submitted to the Department for review. (See Section 7.B.3 for Department Review.) The LPI's signature is required on these variance requests prior to sending them to the Department.

SOIL, SITE AND ENGINEERING FACTORS FOR FIRST TIME SYSTEM VARIANCE ASSESSMENT WITH LIMITING SOIL DRAINAGE CONDITIONS (SEE TABLES 7C THROUGH 7M).

Soil Profile	CHARACTERISTIC	POINT ASSESSMENT
Depth to Groundwater/Restrictive Layer		
Terrain		
Size of Property		
Waterbody Setback		
Water Supply		
Type of Development		
Disposal Area Adjustment		
Vertical Separation Distance		
Additional Treatment		
TOTAL POINT ASSESSMENT:		

Minimum Points (Check One): Outside Shoreland Zone-50 Inside Shoreland Zone-65 Subdivision-65

WELL SETBACK RELEASE FORM

We, the undersigned, are the owner(s) of the well and/or property herein described. We have read and understand the following information concerning the proposed separation distance between our well and the subsurface wastewater disposal system for which a variance is being requested. We are prepared to accept any risk that the subsurface wastewater disposal system may pose to our well.

All wells should be located a safe distance from all possible sources of contamination; in this case a subsurface wastewater disposal system. The Maine Subsurface Wastewater Disposal Rules require a minimum of 100 feet between a <1000 gpd disposal system and a well; 200 feet between a 1000-2000 gpd disposal system and a well; and 300 feet between a >2000 gpd disposal system and a well with water usage of 2000 or more gpd or public water system well. (Please circle the appropriate category.)

Since the safety of a well primarily depends on considerations of good well construction, geology and adequate maintenance of the subsurface wastewater disposal system, the best means of protecting the well water quality is to maintain the maximum distance between a well and a disposal system. The Department of Health and Human Services suggests that a maximum setback distance should be maintained.

The separation distance between our well and the subsurface wastewater disposal system for which this well release approval is requested is: component DISPOSAL FIELD 1 98' feet.
component _____ / _____ feet

Address of Property with Disposal System: 58 Church Hill Road, Augusta, Maine
(Include Municipal Book & Page No. or Map & Lot No.) TAX MAP 11 LOT 15

Owner(s) of Property with Disposal System: CHRIS MERRILL

Address of Property with Well: 58 Church Hill Road, Augusta, Maine
(Include Municipal Book & Page No. or Map & Lot No.) TAX MAP 11 LOT 15

Owner(s) of Property with Well: CHRIS MERRILL

We, the undersigned, release the site evaluator, well driller, the municipality and the State of Maine from liability should our well become contaminated. (Note: If the subject well has more than one owner, all well owner signatures must appear on this document.)

Well Owner(s) Signature [Signature] Date 23 MAY 13
_____ Date _____

State of Maine

County of Kennebec, ss

Date May 23, 2013

Then personally appeared the above named Chris A. Merrill (and _____)

_____) and (severally) acknowledged the foregoing instrument to be his (or their) free act and deed.

Before me, [Signature] Peter S. Black,
Justice of the Peace or Notary Public
Maine Bar No. 8873

HHE-306 Rev 08/05

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. Health & Human Services
Div of Environmental Health, 11 SHS
172

PROPERTY LOCATION

City, Town, or Plantation: AUGUSTA
Street or Road: 58 CHURCH HILL ROAD
Subdivision, Lot #: Map 11 L15

Town: AUGUSTA PERMIT #6796
Date Permit Issued: 5/29/13
\$15 TOWN COPY fee
\$265 - fee
350
LPI # 1137

OWNER/APPLICANT INFORMATION

Name (last, first, MI): NEARBY, CHRIS Owner Applicant
Mailing Address of Owner/Applicant: 58 CHURCH HILL ROAD AUGUSTA, ME 04330
Daytime Tel. #: 207 446 3247

Municipal Tax Map # 11 Lot # 25

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.
Chris Nearby 22 May 13
Signature of Owner or 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 Application.
Local Plumbing Inspector Signature (1st) date approved
(2nd) date approved

PERMIT INFORMATION

TYPE OF APPLICATION
 1. First Time System
 2. Replacement System
Type replaced: 1997
Year installed: 1997
 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
0.28 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

EXISTING 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
 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: 891 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 facilities
 3. Section 4G (meter readings)
ATTACH WATER METER DATA

SOIL DATA & DESIGN CLASS
PROFILE CONDITION 1
12/31 B/c
a) Observation Hole # 101
Depth 250"
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. N 44 d 19 m 18.2 s
Lon. W 69 d 41 m 03.2 s
if g.p.s, state margin of error: 19'

SITE EVALUATOR STATEMENT

I certify that on 5/18/2013 (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). **AS PER VARIANCE.**
Chris Nearby SE # 168 Date 5/30/13
Tom W. Lord, Jr. Site Evaluator Name Printed 207 445 3402 Telephone Number TWLOMAYE@FAIRPOINT.NET E-mail Address

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services
 Division of Environmental Health, STS 11
 (207) 287-5338 FAX (207) 287-3165

Town, City, Plantation

AUGUSTA

Street, Road, Subdivision

58 CHURCH HILL ROAD

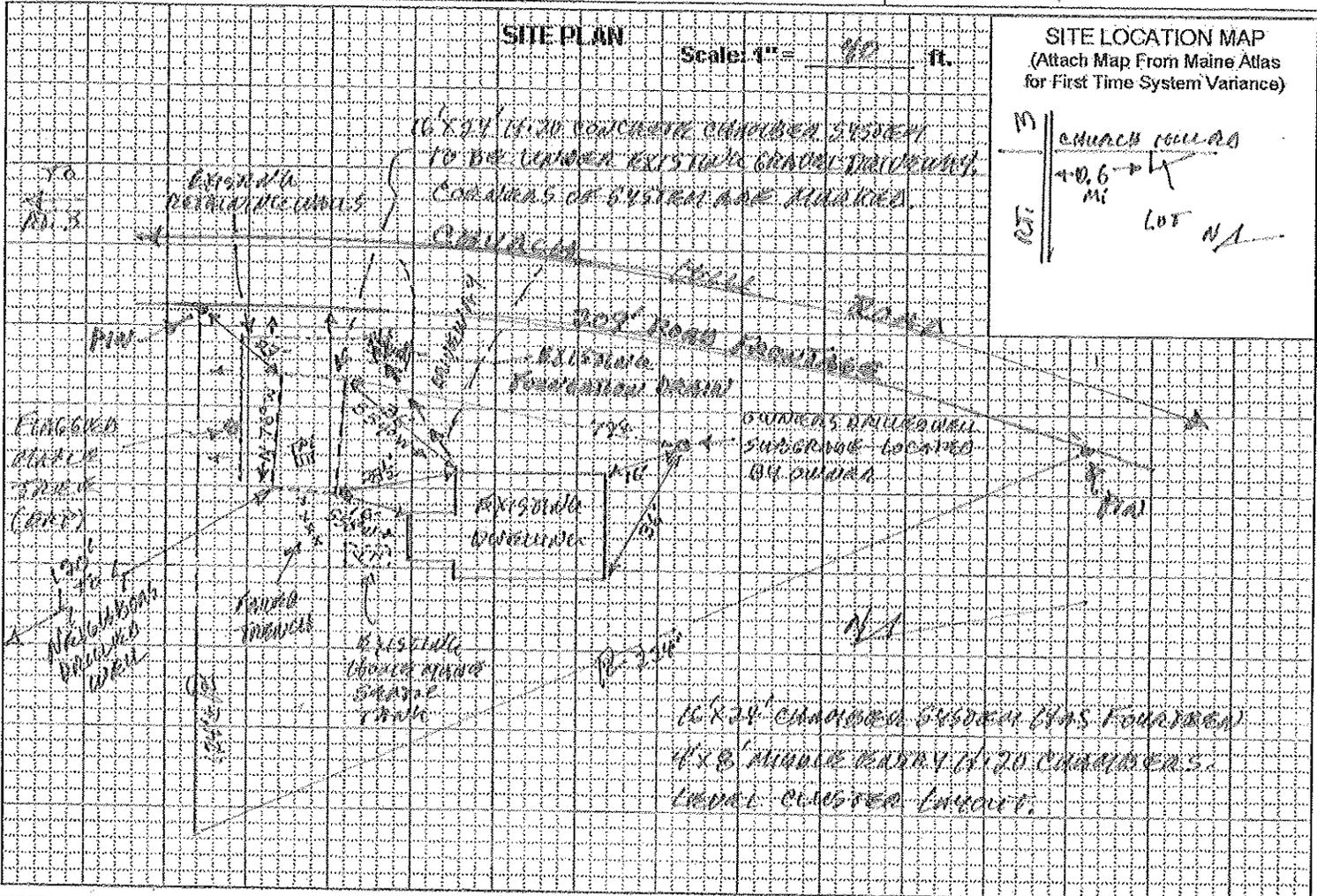
Owner or Applicant Name

CHRIS MERRILL

SITE PLAN

Scale: 1" = 40' ft.

SITE LOCATION MAP
 (Attach Map From Maine Atlas for First Time System Variance)



SOIL PROFILE DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole # TP-1 Test Pit Boring

None " Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0	COARSE SANDS & GRAVEL		3Y2.5/1	
6				
12	MIXED			
18	GRAVELLY	Loose	MIXED	
24	COARSE		10YR 4/4	
30	SAND		10YR 4/6	None
36				76
42				50"
48	Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth
	12/3	s/c	level	7-50"

Observation Hole # _____ Test Pit Boring

_____ " Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0				
6				
12	ORIGINAL SOILS IN			
18	AREAS ARE 3C.			
24				
30				
36				
42				
48	Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth

John M. [Signature]
 Site Evaluator Signature

168
 SE #

5/20/13
 Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services
 Division of Environmental Health, STS 11
 (207) 287-5338 FAX (207) 287-3165

Town, City, Plantation
AUGUSTA

Street, Road, Subdivision
58 Church Hill Road

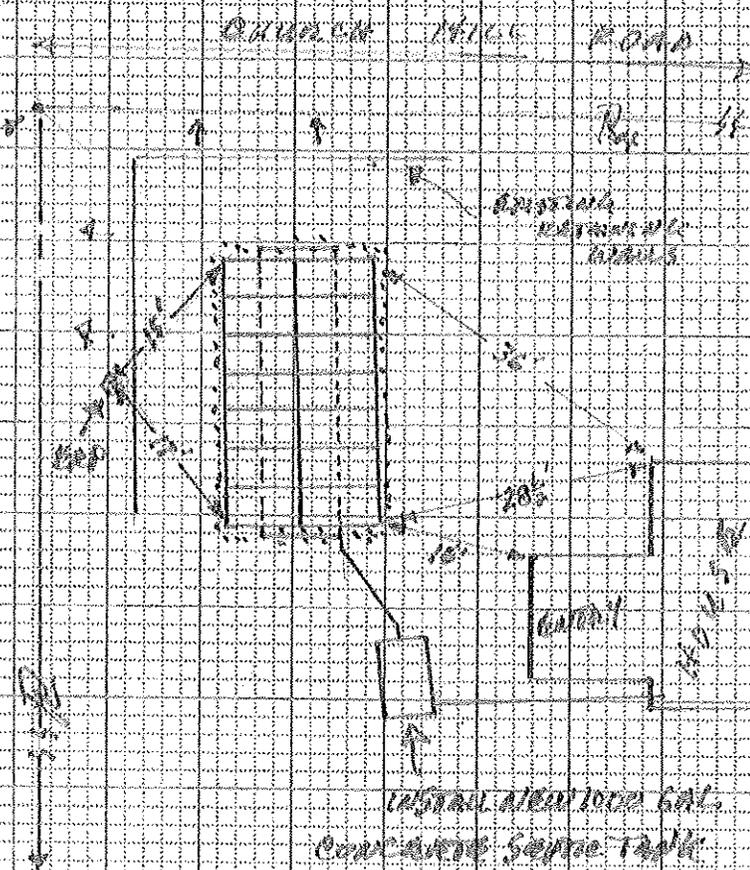
Owner or Applicant Name
CHRIS MERRILL

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = 20' ft.

16' x 32' concrete chamber system
 Fourteen 4' x 8' x 20' chambers
 below chambers
 Level Chamber layout
 install 12" layer of clean
 stone around chamber systems
 cover stone & chambers with
 2" rigid insulation then
 filter fabric
 install 15" cover of granite
 cover same as system is
 to be in delivering.

found erosion & sediment control
 best practice near parcels.



BACKFILL REQUIREMENTS

Depth of Backfill (upslope) *in place* 0" Full
 Depth of Backfill (downslope) *Full* 0"
 DEPTHS AT CROSS-SECTION (shown below)

CONSTRUCTION ELEVATIONS

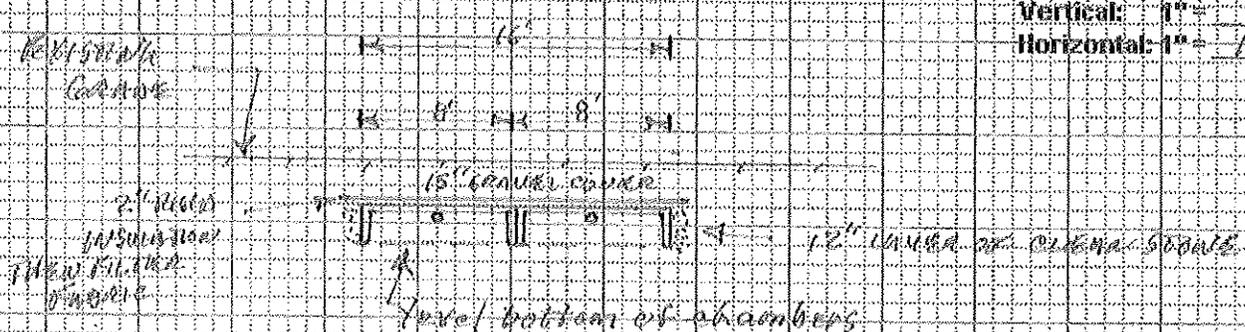
Finished Grade Elevation **-30"**
 Top of Distribution Pipe or Proprietary Device **-47"**
 Bottom of Disposal Field **-60"**

ELEVATION REFERENCE POINT (ERP)

Location & Description: **Flagged nail in maple tree 52" above grade at**
 Reference Elevation is: **0.0'** of: **tree**

DISPOSAL FIELD CROSS SECTION

Scale:
 Vertical: 1" = 5' ft.
 Horizontal: 1" = 10' ft.



Remove all saturated soils associated with failed trenches in system area.
 Texture of backfill to be coarsely crushed sand.
 Refer to plans state removal code and manufacturers specifications.

[Signature]
 Site Evaluator/Signature

168
 SE #

5/20/13
 Date