

Town Copy

# Replacement System Variance Request

## THE LIMITATIONS OF THE REPLACEMENT SYSTEM VARIANCE REQUEST

7-34

This form shall be attached to an Application for the proposed replacement system which is in noncompliance with the Rules. The LPI shall review the Replacement System Variance Request and Application and may approve the Request if all of the following requirements with LPI approval limitations can be met.

1. The replacement system is correcting a malfunction or an unlicensed wastewater discharge system.
2. A replacement system cannot be designed and installed in total compliance with the Rules.
3. The design flow is less than 500 GPD.
4. There will be no change in use of the structure.
5. The replacement system does not conflict with Seasonal Conversion Permit (30 MRSA § 3223) or with Mandatory Shoreland Zoning (12 MRSA § 4811).
6. The replacement system is determined by the Site Evaluator and LPI to be the most practical method to treat and dispose of the wastewater.
7. Soil and setback distances are within approval authority of the LPI.

## GENERAL INFORMATION

Town of AUGUSTA

Permit No. 1312

Date Permit Issued 4 14 1988  
month/day/year

Property Owner's Name: ARTHUR MINEIR Tel. No. 622-9537

System's Location: CHURCH HILL RD.  
Street

AUGUSTA MAINE 04330  
Town Zip

Property Owner's Address: RFD #1 BOX 1095  
(if different from above) Street

AUGUSTA ME 04330  
Town State Zip

## Specific Instructions to the:

**LPI:** If any of the variances exceed your approval authority and/or do not meet all of the requirements listed under the Limitations Section above, then you are to send this Replacement System Variance Request, along with the Application, to the Department for review and approval consideration before issuing a Permit. (See reverse side for Comments Section and your signature)

**Site Evaluator:** If after completing the Application, you find that a variance for the proposed replacement system is needed, then complete the Replacement Variance Request with your signature on reverse side of form.

**Property Owner:** It has been determined by the Site Evaluator that a variance to the Rules is required for the proposed replacement system. This variance request is due to physical limitations of the site and/or soil conditions. Both the Site Evaluator and the LPI have considered the site/soil restrictions and have concluded that a replacement system in total compliance with the Rules is not possible.

## FOR USE BY THE DEPARTMENT ONLY:

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

Signature of the Department

Date

| Variance Category           | Variance Requested        | Limit of LPI's Approval Authority |                  | Variance Requested to: |               |
|-----------------------------|---------------------------|-----------------------------------|------------------|------------------------|---------------|
| Soils                       |                           |                                   |                  |                        |               |
| Soil Profile                | Ground Water Table        | to 6"                             |                  | 8" inches              |               |
| Soil Condition              | Restrictive Layer         | to 6"                             |                  | inches                 |               |
| from HHE-200                | Bedrock                   | to 10"                            |                  | inches                 |               |
| Setback Distances (in feet) | From:                     | Treatment Tank                    | Disposal Area    | Treatment Tank         | Disposal Area |
|                             |                           |                                   |                  |                        |               |
| Potable Water Supplies      | 1. Well: >2000 gal/day    | 100                               | 300              | X                      | X             |
|                             | 2. Well: <2000 gal/day    |                                   |                  |                        |               |
|                             | a. Neighbor's             | 100 <sup>ⓐ</sup>                  | 100 <sup>ⓐ</sup> |                        |               |
| b. Property Owner's         | 50'                       | 60'                               |                  |                        |               |
| 3. Water Supply Line        | 10'                       | 10'                               |                  |                        |               |
| Waterbodies                 | 1. Perennial              | 60' <sup>ⓐ</sup>                  | 60'              |                        |               |
|                             | 2. Intermittent           | 25'                               | 25'              |                        |               |
|                             | 3. Manmade drainage ditch | 15'                               | 15'              |                        |               |
| Downhill Slope              | Greater than 3:1 (33%)    | 5'                                | 10' <sup>ⓐ</sup> |                        |               |
| Buildings                   | 1. With basement          | 8'                                | 15'              |                        |               |
|                             | 2. Without basement       | 8'                                | 10'              |                        |               |
| Property Line               |                           | 5'                                | 5' <sup>ⓐ</sup>  |                        |               |

Other Specify:

REDUCE FILL ON ROAD SIDE TO 3:1 & ENSURE FILL DOES NOT EXTEND INTO CITY RIGHT OF WAY VIA 5-4-88

Footnotes:

- a. A variance to reduce the 100 foot setback distance to a minimum of 80 feet may be granted only with the neighbor's written permission.
- b. Sufficient distance shall be maintained to assure that the toe of the fill does not extend beyond the 3:1 slope or property line.
- c. May be reduced to 25' provided treatment tank is tested to be water tight in the presence of the Local Plumbing Inspector.

John Suchard  
Site Evaluator's Signature

4-14-88  
Date

LPI Statement

I, Spuy F. Tuller, LPI for Town of Augusta, have conducted an on-site inspection for the proposed replacement system and have determined, to the best of my knowledge, that it cannot be installed in total compliance with the Rules, applicable Municipal Ordinances, or the Local Shoreland Zoning Ordinance. As a result of my review of the Replacement System Variance Request, the Application, and my on-site investigation, I (check and complete either a or b):

- a.  (I) approve,  I do not approve) the variance request based on my authority to grant this variance. Note: If the LPI does not give his approval, he shall list his reasons for denial in Comments Section below and return to the applicant.
- or:
- b. find that one or more of the requested Variances exceeds my approval authority as LPI. ( recommend,  do not recommend) the Department's approval of the variances. Note: If the LPI does not recommend the Department's approval, he shall state his reasons in Comments Section below as to why the proposed replacement system is not being recommended.

Comments:

Spuy F. Tuller  
LPI's Signature

4/4/88  
Date

The Owner shall sign this statement. Therefore, having read both this Replacement Variance Request and the attached Application, I understand that the proposed system is not in total compliance with the Rules and hereby release all those concerned with this Variance, provided they have performed their duties in a reasonable and proper manner.

X Mrs. Arthur Martin  
Property Owner's Signature

5/12/88  
Date

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

| PROPERTY ADDRESS                                  |  |
|---|--|
| Town Or Plantation                                | <u>AUGUSTA</u>                               |
| Street Subdivision Lot #                          | <u>CHURCH Hill Rd.</u>                       |
| PROPERTY OWNERS NAME                              |  |
| Last: <u>MINEIR</u>                               | First: <u>ARTHUR</u>                         |
| Applicant Name:                                   | <u>- SAME -</u>                              |
| Mailing Address of Owner/Applicant (if Different) | <u>RED #1 Box 1095<br/>AUGUSTA, ME 04330</u> |

|  |                       |   |
|--|-----------------------|---|
| AUGUSTA  | PERMIT # <u>1,312</u> | TOWN COPY                                   |
| Date Permit Issued: <u>4/4/88</u>                            | \$ <u>40.00</u> FEE   | <input type="checkbox"/> Double Fee Charged |
| <u>Nancy R. Tuttle</u><br>Local Plumbing Inspector Signature |                       | L.P.I. # <u>18150</u>                       |

**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.

X Mrs Arthur Mineir 5/2/88  
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.

Nancy R. Tuttle June 29, 1988  
Local Plumbing Inspector Signature Date Approved

## PERMIT INFORMATION

**THIS APPLICATION IS FOR:**

- NEW SYSTEM
- REPLACEMENT SYSTEM
- EXPANDED SYSTEM
- EXPERIMENTAL SYSTEM

**THIS APPLICATION REQUIRES:**

- NO RULE VARIANCE
- 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
- MINIMUM LOT SIZE VARIANCE

**INSTALLATION IS:**

COMPLETE SYSTEM

- NON-ENGINEERED SYSTEM
- PRIMITIVE SYSTEM  
(Includes Alternative Toilet)
- ENGINEERED (+ 2000 gpd)

**SEASONAL CONVERSION**  
to be completed by the LPI

- SYSTEM COMPLIES WITH RULES
- CONNECTED TO SANITARY SEWER
- SYSTEM INSTALLED - P# \_\_\_\_\_
- SYSTEM DESIGN RECORDED AND ATTACHED

**DISPOSAL SYSTEM TO SERVE:**

- SINGLE FAMILY DWELLING
- MODULAR OR MOBILE HOME
- MULTIPLE FAMILY DWELLING
- OTHER \_\_\_\_\_  
SPECIFY

INDIVIDUALLY INSTALLED COMPONENTS:

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

**IF REPLACEMENT SYSTEM:**

YEAR FAILING SYSTEM INSTALLED N/A

THE FAILING SYSTEM IS:

- BED
- CHAMBER
- TRENCH
- OTHER: \_\_\_\_\_

|                                     |                              |
|-------------------------------------|------------------------------|
| SIZE OF PROPERTY<br><u>37 ACRES</u> | ZONING<br><u>RESIDENTIAL</u> |
|-------------------------------------|------------------------------|

**TYPE OF WATER SUPPLY**  
DUG WELL

## DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

**TREATMENT TANK**

- SEPTIC:  Regular  Low Profile
- AEROBIC

SIZE: 1,000 GALS.

**WATER CONSERVATION**

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

SPECIFY: \_\_\_\_\_

**PUMPING**

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

DOSE: \_\_\_\_\_ GALS.

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

3 BEDROOM

**SOIL CONDITIONS USED FOR DESIGN PURPOSES**

| PROFILE    | CONDITION  |
|------------|------------|
| <u>7/9</u> | <u>C/D</u> |

DEPTH TO LIMITING FACTOR: 12.

**SIZE RATINGS USED FOR DESIGN PURPOSES**

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

**DISPOSAL AREA TYPE/SIZE**

- BED \_\_\_\_\_ Sq. Ft.
- CHAMBER 700 Sq. Ft.  
 REGULAR  H-20
- TRENCH \_\_\_\_\_ Linear Ft.
- OTHER: \_\_\_\_\_

**DESIGN FLOW:** 270  
(GALLONS/DAY)

**SITE EVALUATOR STATEMENT**

On 4-8-88 (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.

[Signature] 181 4-14-88  
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

CHURCH HILL RD

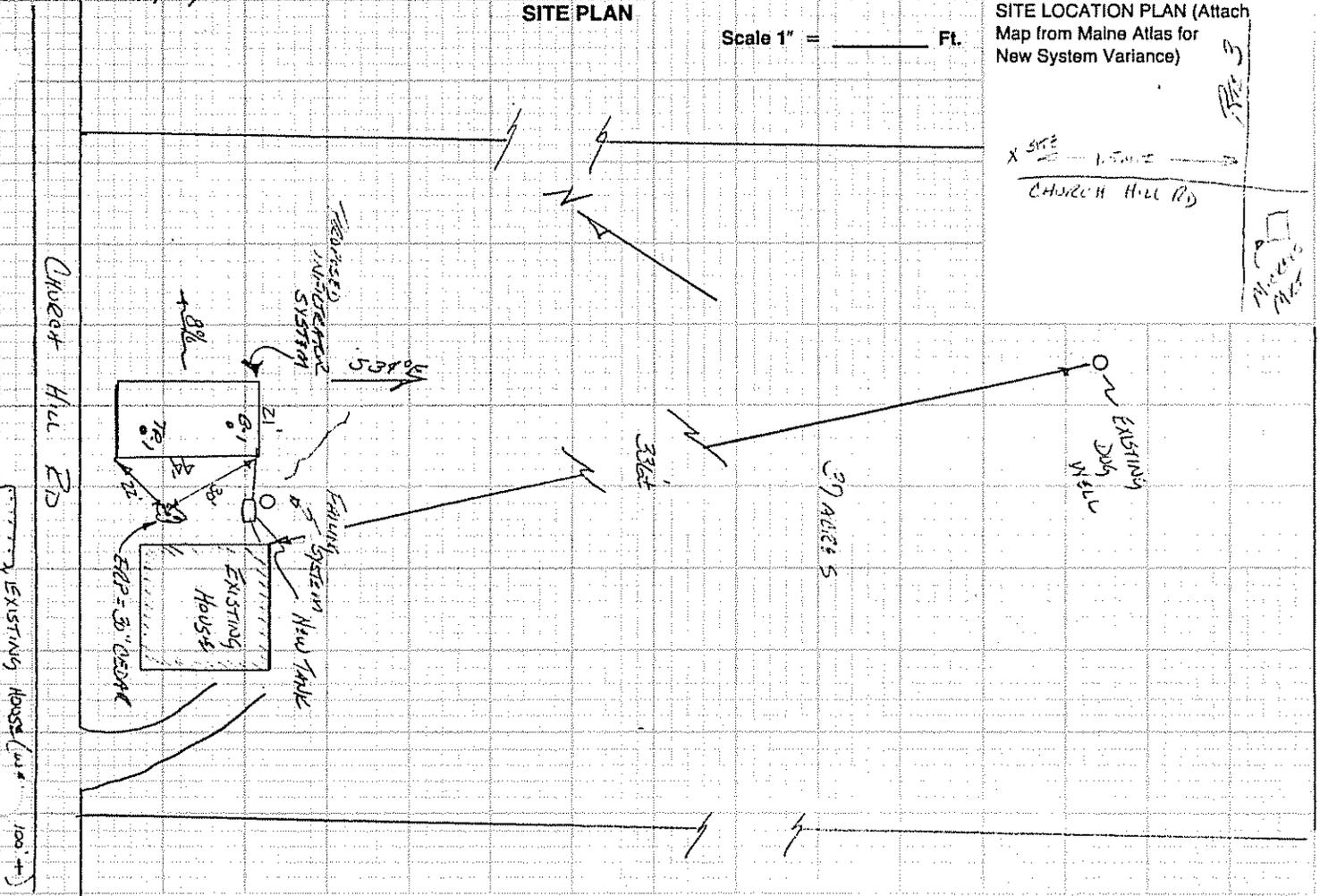
Owners Name

ARTHUR MINER

## SITE PLAN

Scale 1" = \_\_\_\_\_ 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 TP 1  Test Pit  Boring  
N/A " Depth of Organic Horizon Above Mineral Soil

| DEPTH BELOW MINERAL SOIL SURFACE (Inches) | Texture    | Consistency | Color           | Mottling          |
|---|------------|-------------|-----------------|-------------------|
| 0   | SANDY LOAM | FRAGILE     | BROWN           | NONE              |
| 6   |            |             | REDDISH BROWN   |                   |
| 10  |            |             |                 |                   |
| 15  |            |             |                 |                   |
| 20  |            |             | YELLOWISH BROWN |                   |
| 25  |            |             |                 | FEW FINE          |
| 30  |            |             |                 |                   |
| 35  | SILT LOAM  | FIRM        | OLIVE           | TO                |
| 40  |            |             |                 | NUMEROUS DISTINCT |
| 45  |            |             |                 |                   |
| 50  |            |             |                 |                   |

|                       |                         |                  |                           |  |
|-----------------------|-------------------------|------------------|---------------------------|--|
| Soil Profile <u>7</u> | Classification <u>C</u> | Slope <u>0</u> % | Limiting Factor <u>2A</u> | <input checked="" type="checkbox"/> Ground Water |
|                       | Condition               |                  |                           | <input type="checkbox"/> Restrictive Layer       |
|                       |                         |                  |                           | <input type="checkbox"/> Bedrock                 |

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

| DEPTH BELOW MINERAL SOIL SURFACE (Inches) | Texture    | Consistency | Color            | Mottling |
|---|------------|-------------|------------------|----------|
| 0   | SILT LOAM  | FRAGILE     | BROWN            | NONE     |
| 6   |            |             | OR REDDISH BROWN |          |
| 10  |            | FIRM        | OLIVE GRAY       | COMMON   |
| 15  |            |             |                  | NUMEROUS |
| 20  | SILTY CLAY |             |                  |          |
| 25  |            |             |                  |          |
| 30  |            |             |                  |          |
| 35  |            |             |                  |          |
| 40  |            |             |                  |          |
| 45  |            |             |                  |          |
| 50  |            |             |                  |          |

|                       |                         |                  |                          |  |
|-----------------------|-------------------------|------------------|--------------------------|--|
| Soil Profile <u>9</u> | Classification <u>D</u> | Slope <u>0</u> % | Limiting Factor <u>0</u> | <input checked="" type="checkbox"/> Ground Water |
|                       | Condition               |                  |                          | <input type="checkbox"/> Restrictive Layer       |
|                       |                         |                  |                          | <input type="checkbox"/> Bedrock                 |

Arthur Miner  
Site Evaluator Signature

101  
SE#

7-14-88  
Date

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services  
Division of Health Engineering

Town, City, Plantation

Street, Road, Subdivision

Owners Name

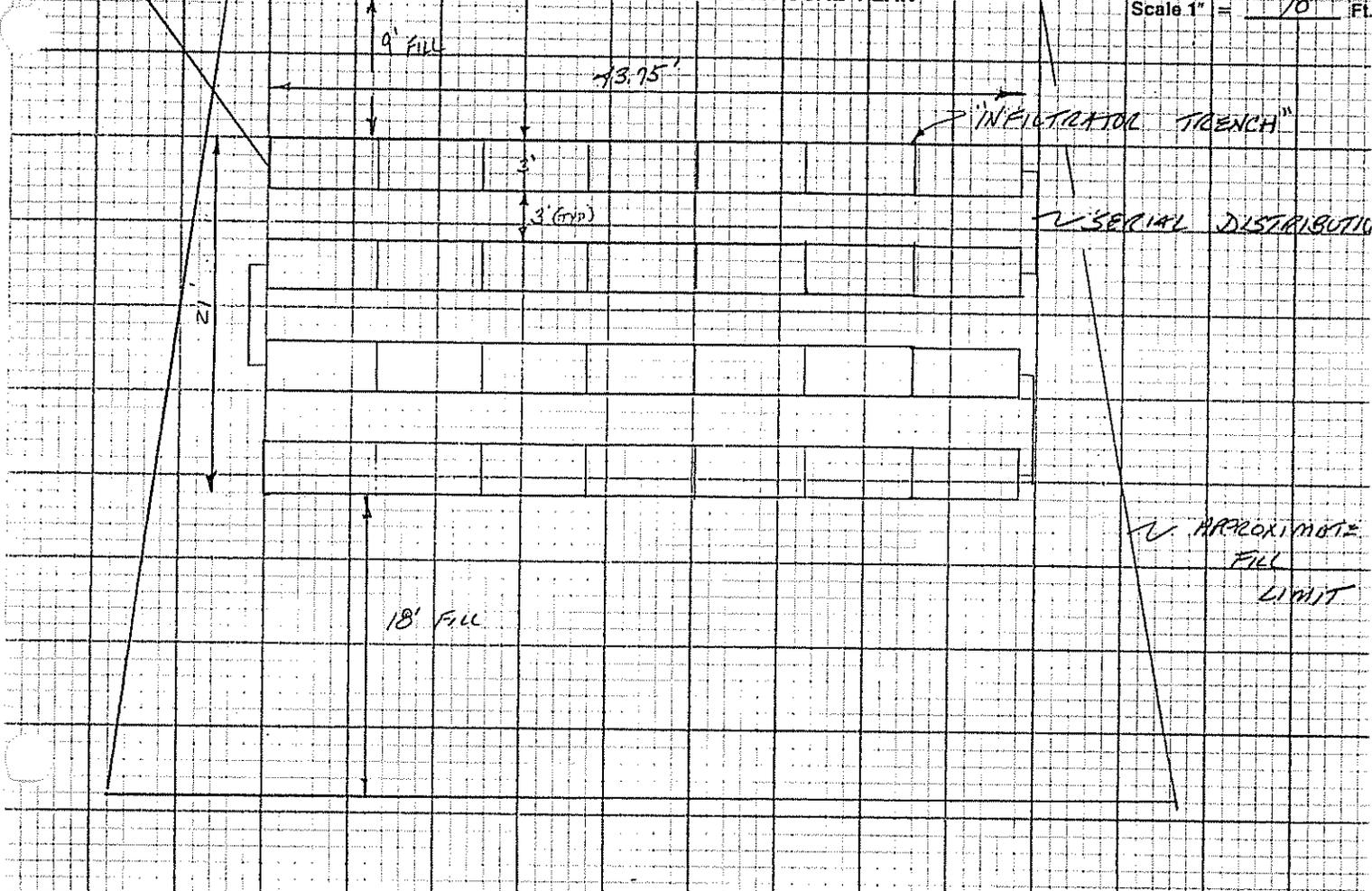
AUGUSTA

CHURCH HILL RD

ARTHUR MINER

## SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 10 Ft.



**FILL REQUIREMENTS**

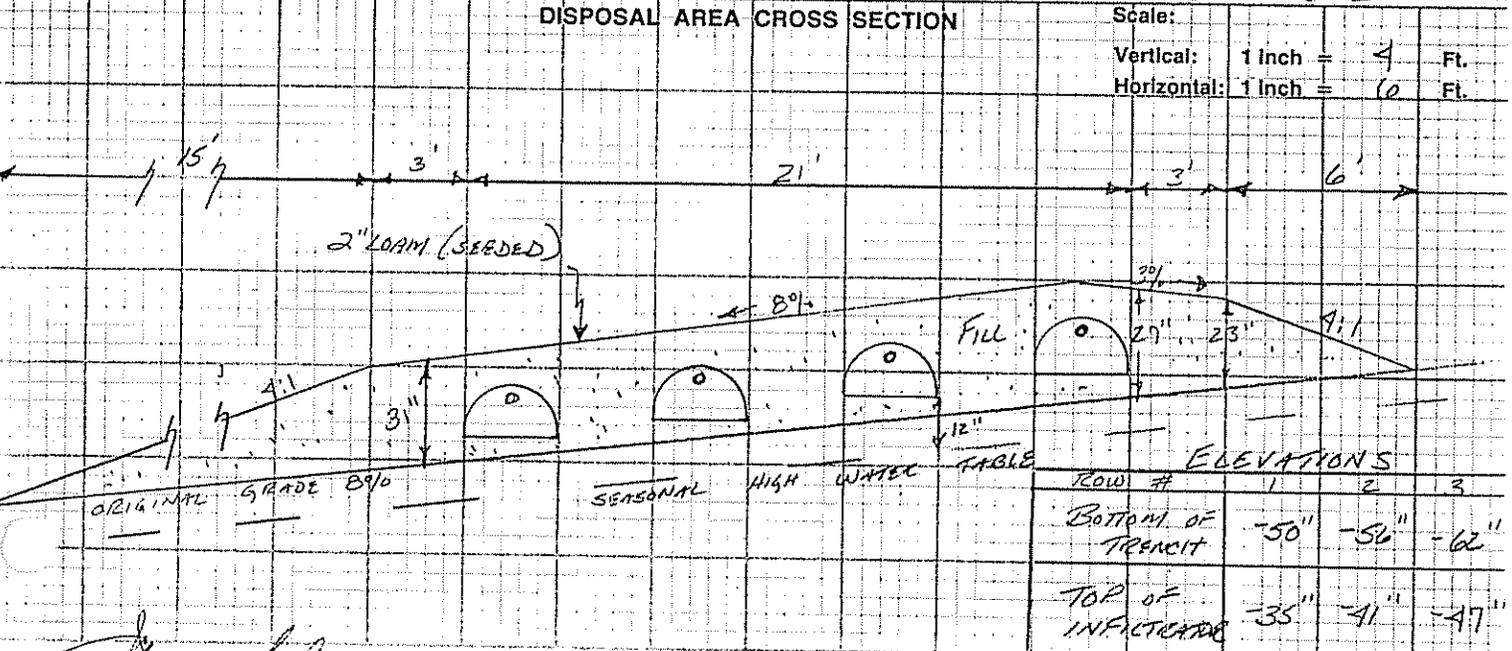
|                           |            |
|---------------------------|------------|
| Depth of Fill (Upslope)   | <u>27"</u> |
| Depth of Fill (Downslope) | <u>31"</u> |

**CONSTRUCTION ELEVATIONS**

|                                       |                   |
|---------------------------------------|-------------------|
| Reference Elevation is                | <u>00"</u>        |
| Bottom of Disposal Area               | SEE <u>3" LOW</u> |
| Top of Distribution Lines or Chambers | " "               |

**ELEVATION REFERENCE POINT LOCATION & DESCRIPTION**

|                                |
|--------------------------------|
| 30" CEDAR TREE (SEE SITE PLAN) |
| FLAGGED NAIL IN                |



[Signature]  
Site Evaluator Signature

181  
SE#

1-14-84  
Date