M 6424

REPLACEMENT SYSTEM VARIANCE REQUEST

THE LIMITATIONS OF THE REPLACEMENT SYSTEM VARIANCE REQUEST

This form shall be attached to an application for the proposed replacement system which does not comply 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 can be met, and the variance(s) requested fall within the limits of LPI's authority.

1. The proposed design meets the definition of a Replacement System from the rules.
2. A 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 is determined by the Site Evaluator and LPI to be the most practical method to treat and dispose of the wastewater.

TOWN COPY

GENERAL INFORMATION

Town of Augusta

Permit No. #2238 E

Date Permit Issued 7/29/91 (MONTH/DAY/YEAR)

Property Owner's Name: Albert Giandrea (agent) Tel. No. 622-3379

System's Location: RT. 105 AND Tasker Road (STREET)

AUGUSTA (TOWN) Maine 04330 (ZIP)

Property Owner's Address: RT. 105 (South Belfast AVE) (STREET)
(if different from above)

AUGUSTA (TOWN) Maine (STATE) 04330 (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, they 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.

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.

Albert Giandrea (Agent) — PROPERTY OWNER'S SIGNATURE

7/16/91 — DATE

VARIANCE CATEGORY	VARIANCE REQUESTED	LIMIT OF LPI'S APPROVAL AUTHORITY		VARIANCE REQUESTED TO:	
SOILS					
Soil Profile	Ground Water Table	to 6"			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[a]	300[a]		
	2. Well: < 2000 gal/day a. Neighbor's	50'[b]	60'[b]		
	b. Property Owner's	25'	50'		
	3. Water Supply Line	See note 'a'			
Waterbodies	1. Perennial	50'	60'		
	2. Intermittent	15'	20'		
	3. Manmade drainage ditch	10'	15'		
Downhill Slope	Greater than 3:1 (33%)	5'[c]	10'[c]		
Buildings	1. With Basement	5'	10'		
	2. Without Basement	5'	10'		
Property Line		4'	5'		

OTHER

1. Fill extension Grade—to 3:1
2. Disposal Area to be installed on Fill soils (generally, gravel to Sandy Loam)
3.

Footnotes:

a. This setback distance cannot be reduced by variance. See Table 6-2.
b. Written Permission from the owner of a well is required when a replacement system will be located less than 100 feet but closer to that well than the system it is replacing.
c. Sufficient distance shall be maintained to assure that the toe of the fill does not extend to the 3:1 slope.

David P. Rocque — SITE EVALUATOR'S SIGNATURE — 7/12/91 DATE

LPI STATEMENT

I, Gary R. Fuller, LPI for the 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 Wastewater Disposal 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. (☐ approve, ☐ disapprove) 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. I (☑ 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:

Gary R. Fuller — LPI'S SIGNATURE — 7/29/91 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.

Amy Hardcastle — SIGNATURE OF THE DEPARTMENT — 7/29/91 DATE

M64 L4

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

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

PROPERTY ADDRESS

Town Or Plantation	Augusta
Street Subdivision Lot #	RT. 105

PROPERTY OWNERS NAME

SHAW HEIRS

Last: First:

Applicant Name:	Albert Giandrea
Mailing Address of Owner/Applicant (If Different)	RT. #7 BOX 2250 Augusta, Me. 04330

Date Permit Issued: AUGUSTA 7 29 91 $ 60.00 TOWN COPY FEE Double Fee Charged

Local Plumbing Inspector Signature L.P.I. # 857

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.

Albert Giandrea
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.

Local Plumbing Inspector Signature 8/5/91 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

IF REPLACEMENT SYSTEM:
YEAR FAILING SYSTEM INSTALLED ?
THE FAILING SYSTEM IS:
1. ☐ BED 3. ☐ TRENCH
2. ☐ CHAMBER 4. ☐ OTHER: ____

SIZE OF PROPERTY	ZONING
1.3 Acres	Shoreland

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

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

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

TYPE OF WATER SUPPLY
Drilled (Prop.)

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK
1. ☒ SEPTIC: ☒ Regular ☐ Low Profile
2. ☐ AEROBIC

SIZE: 1000 GALS.

WATER CONSERVATION
1. ☐ NONE recommend
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: 45 GALS.

CRITERIA USED FOR DESIGN FLOW (BEDROOMS, SEATING, EMPLOYEES, WATER RECORDS, ETC.)
3 bedroom Home - Moderate design flow

DESIGN FLOW: 360 (GALLONS/DAY)

SOIL CONDITIONS USED FOR DESIGN PURPOSES

PROFILE	CONDITION
FILL	Resembles
3	B/C

DEPTH TO LIMITING FACTOR: 27

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 625 Sq. Ft. ☐ REGULAR ☐ H-20
3. ☐ TRENCH ____ Linear Ft.
4. ☐ OTHER: ____

SITE EVALUATOR STATEMENT

On 7/12/91 (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 — Site Evaluator Signature
154 — SE#
7/12/91 — Date

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

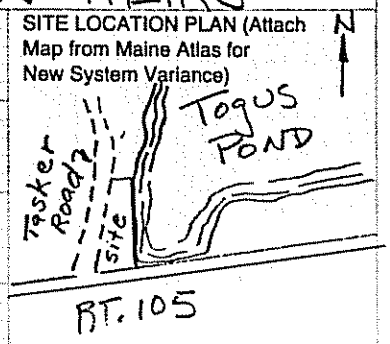
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation	Street, Road, Subdivision	Owners Name
AUGUSTA	RT. 105	SHAW HEIRS

SITE PLAN Scale 1" = _____ Ft.

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



SEE ATTACHED
TAX MAP PHOTOCOPY

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

Observation Hole TP 2 ☒ Test Pit ☐ Boring

NONE " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Texture	Consistency	Color	Mottling
Loam FILL with org. Matter		Dark Brown	
gravelly Sandy Loam FILL	Friable	Strong Brown	NONE EVIDENT
ROCKS			

NOTE: The majority of the disposal Area site is fill which generally consists gravel to sandy loam over rocks. Some fill may contain debris, esp. under piles of wood.

Soil Profile	Classification Condition	Slope	Limiting Factor	
3	C	1 %	27 Rocks	☐ Ground Water ☐ Restrictive Layer ☐ Bedrock

Test Fit

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
Gravelly Sandy Loam		Dark Brown	
Stoney Fine Sandy Loam	Friable	Dark yellow Brown	NONE EVIDENT
	Firm	olive Brown	Common DISTINCT

Note: This test pit resembles the corner where a 15" cut is proposed.

Soil Profile	Classification Condition	Slope	Limiting Factor	
3	C	9 %	31	☒ Ground Water ☒ Restrictive Layer ☐ Bedrock

David P. Rocque
Site Evaluator Signature

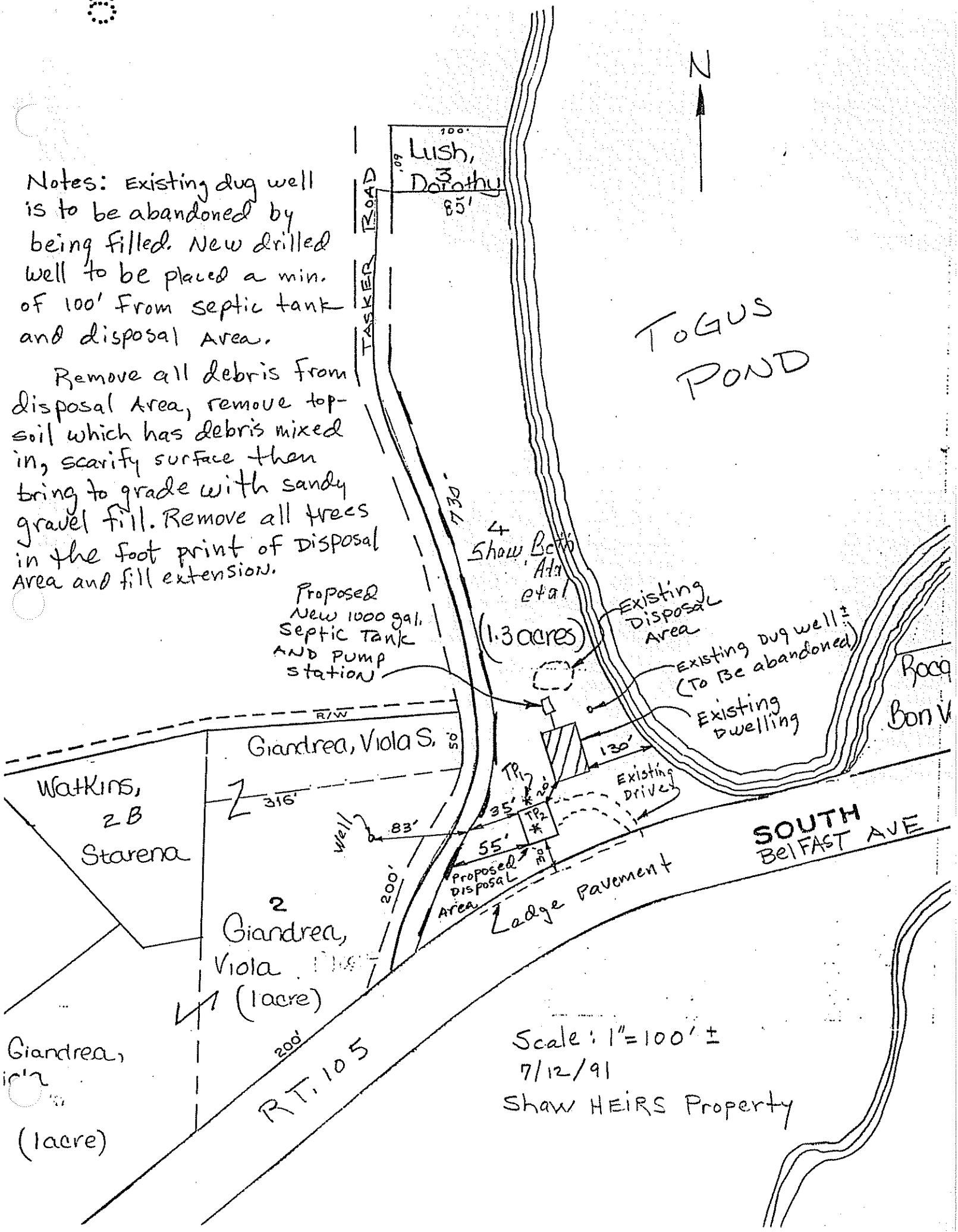
154
SE#

7/12/91
Date

HHE-200 Rev. 1/84

Notes: Existing dug well is to be abandoned by being filled. New drilled well to be placed a min. of 100' from septic tank and disposal Area.

Remove all debris from disposal Area, remove top-soil which has debris mixed in, scarify surface then bring to grade with sandy gravel fill. Remove all trees in the foot print of Disposal Area and fill extension.



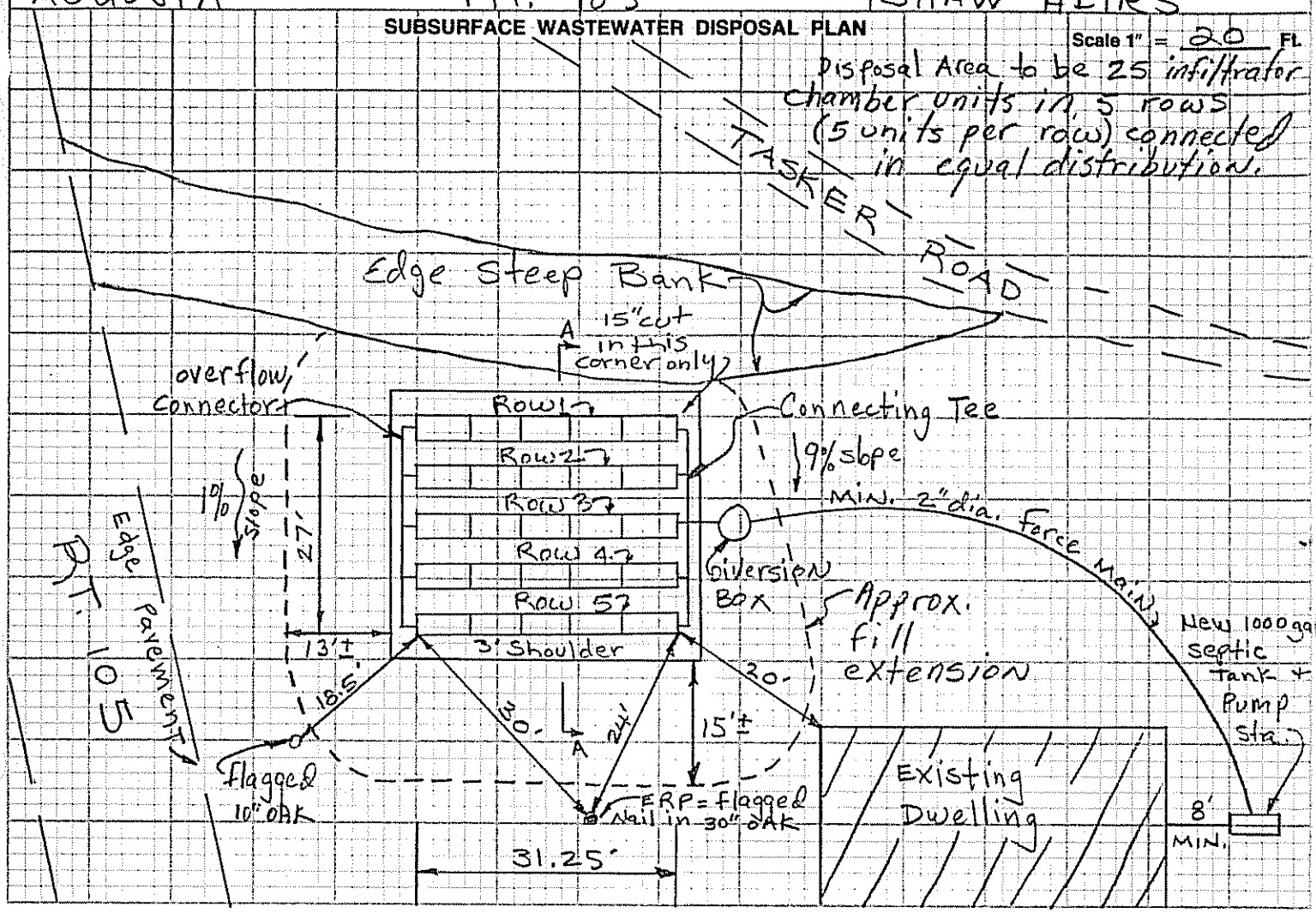
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation	Street, Road, Subdivision	Owners Name
AUGUSTA	RT. 105	SHAW HEIRS

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20 Ft.



FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT LOCATION & DESCRIPTION
Depth of Fill (Upslope)	9"-36"	Reference Elevation is	0	flagged Nail in 30" OAK Tree.
Depth of Fill (Downslope)	39"	Bottom of Disposal Area	-40"	
		Top of Distribution Lines or Chambers	-25"	

DISPOSAL AREA CROSS SECTION

SEE NEXT SHEET

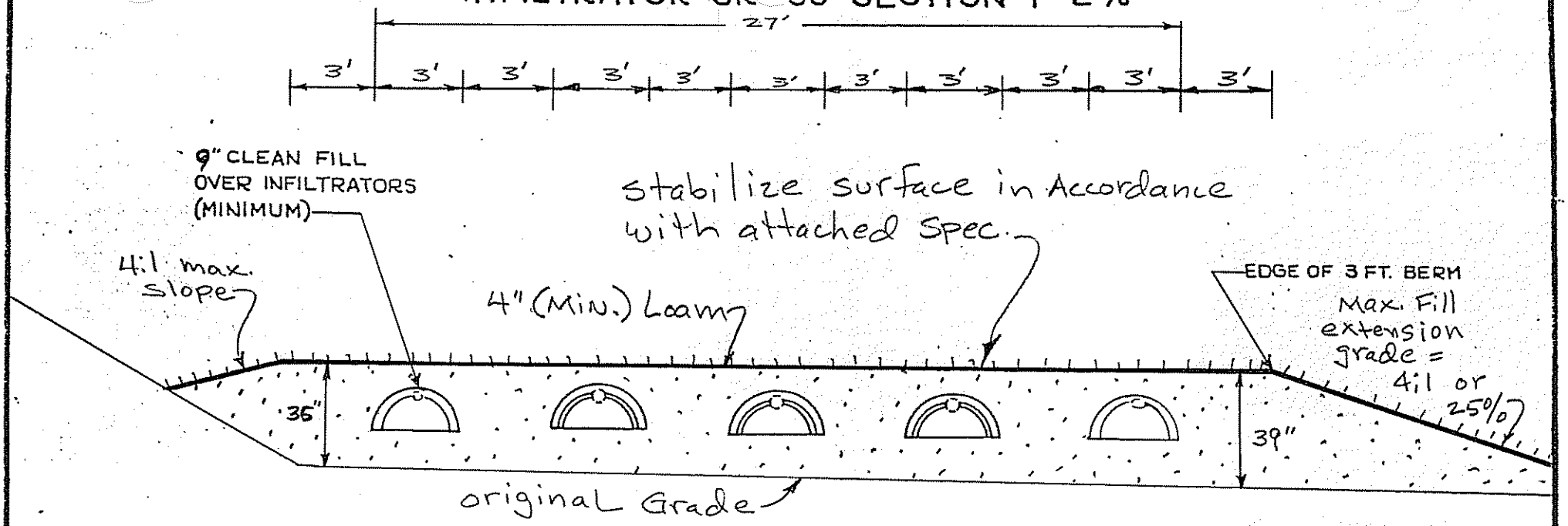
Scale:
Vertical: 1 Inch = Ft.
Horizontal: 1 Inch = Ft.

Notes for subsurface Wastewater Disposal Plan:

1. Septic Tank and pump station to be water tight.
2. Force Main to be buried below frost level or insulated to prevent freezing.
3. New Drilled well to be a min. of 100' from septic Tank and Disposal Area. Existing Dug well to be filled in.
4. Prepare disposal area by:
   a. Remove all debris in the disposal area and fill extention Area.
   b. Remove all debris Laden fill from same area as in A.
   c. Remove all trees from within the same area as in A.
   d. Bring to grade with gravelly sand fill.

David P. Pecque — Site Evaluator Signature
154 — SE#
7/12/91 — Date

INFILTRATOR CROSS-SECTION 1-2%



Note: Remove debris contaminated fill beneath infiltrators and fill extension before bringing to grade with gravelly Sand fill.

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

FILL UNDER INFILTRATORS TO BE gravelly Sharp Sand TEXTURE.

FILL AROUND INFILTRATORS TO BE gravelly Sharp Sand TEXTURE.

SITE EVALUATOR: David P. Rocque		
OWNER: SHAW Heirs	NUMBER OF INFILTRATORS: 25	PERCENT SLOPE: 1%
LOCATION: AUGUSTA Rt. 105 + Tasker Rd.	ELEVATIONS: REFERENCE PT. 0	BOTTOM TRENCH #1 -42"
DATE: 7/12/91 / SCALE: 1 INCH = 5 FEET	BOTTOM TRENCH #2 -42"	BOTTOM TRENCH #3 -42"
	BOTTOM Trench #4 -42"	BOTTOM Trench #5 -42"