SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

PROPERTY LOCATION

City, Town or Plantation	AUGUSTA
Street or Road	1428 LEAVITT RD.
Subdivision Lot #	

56
Date Permit Issued: 5/30/01 $ 190.00 FEE ☐ If Double Fee Charged
Local Plumbing Inspector Signature 468 L.P.I. # TOWN COPY

OWNER/APPLICANT INFORMATION

NAME(Last, First, MI)	MCGUIRE ED & MELANI
MAILING ADDRESS of ■ OWNER ☐ APPLICANT	1428 LEAVITT RD AUGUSTA, ME. 04330
Daytime Tel. #	207-623-2904

Municipal Tax Map # 11 Lot # 157

Owner Statement

I state 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

Melani D. McGuire
Carry D. Farmer 5/29/2001
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 Application

Local Plumbing Inspector Signature
(1st) Date Approved 6/12/01
(Final) Date Approved

PERMIT INFORMATION

TYPE OF APPLICATION:

1. ☐ First Time System
2. ■ Replacement System
   Type Replaced CESSPOOL
   Year Installed 1970
3. ☐ Expanded System
   ☐ a. one time exempted
   ☐ b. non exempted
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 Approval

DISPOSAL SYSTEM COMPONENT(S)

1. ■ 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 Area (only)
7. ☐ Separated Laundry System
8. ☐ Engineered System (+2000 gpd)
9. ☐ Engineered Treatment Tank (only)
10. ☐ Engineered Disposal Area (only)
11. ☐ Pretreatment, specify: _____
12. ☐ Miscellaneous components

SIZE OF PROPERTY

3 ☐ sq. ft. ■ acres

DISPOSAL SYSTEM TO SERVE:

1. ■ Single Family Dwelling Unit
   No. of Bedrooms 4
2. ☐ Multiple Family Dwelling: Number of Units _____
3. ☐ Other _____
   Specify

NEW TYPE OF WATER SUPPLY

1. ■ Drilled Well 2. ☐ Dug Well 3. ☐ Private
4. ☐ Public 5. ☐ Other

SHORELAND ZONING

☐ Yes ■ No

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

1. ■ Concrete
   ■ a. Regular
   ☐ b. Low Profile
2. ☐ Plastic
3. ☐ Other _____

CAPACITY 1000 Gallons

DISPOSAL FIELD TYPE & SIZE

1. ☐ Stone Bed 2. ☐ Stone Trench
3. ■ Proprietary Device
   a. ☐ Cluster Array c. ■ Linear
   b. ■ Regular Load d. ☐ H-20
4. ☐ Other _____

Size 1200 ■ sq. ft. ☐ lin. ft.

GARBAGE DISPOSAL UNIT

1. ☒ NO 3. ☐ Maybe
2. ☐ Yes>>Specify one below
   a. ☐ Multi-compartment tank
   b. ☐ Tank in series
   c. ☐ Increase in tank capacity
   d. ■ Filter on tank outlet

DESIGN FLOW

360 Gallons per day
Based On:

1. ■ Table 501.1 (dwelling unit(s)
2. ☐ Table 501.2 (other facilities)
   Show Calculations — for other facilities —
3. ☐ Section 503.0 (meter readings)
   ATTACH WATER-METER DATA

SOIL DATA & DESIGN CLASS

PROFILE	CONDITION	DESIGN
2N	III C	1

at Observation Hole # 1
Depth 26. Elevation N/R.
OF MOST LIMITING SOIL FACTOR

DISPOSAL AREA SIZING

1. ☐ Small - 2.00 sq. ft./gpd
2. ☐ Medium - 2.60 sq. ft./gpd
3. ■ Medium-Large - 3.30 sq. ft./gpd
4. ☐ Large - 4.10 sq. ft./gpd
5. ☐ Extra-Large - 5.00 sq. ft./gpd

PUMPING

1. ☐ Not required
2. ☐ May Be Required
3. ■ Required>>Specify Only for Engineered or Experimental Systems

DOSE _____ Gallons

SITE EVALUATOR'S STATEMENT

I Certify that on 5/11/01 (date) I completed a site evaluation on this property and state that the data reported is accurate and that the proposed syten is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241)

Stephen C. Smith
Site Evaluator Signature

279
SE #

5/28/01
Date

STEPHEN C. SMITH
Site Evaluator Name Printed

207-549-7972
Telephone

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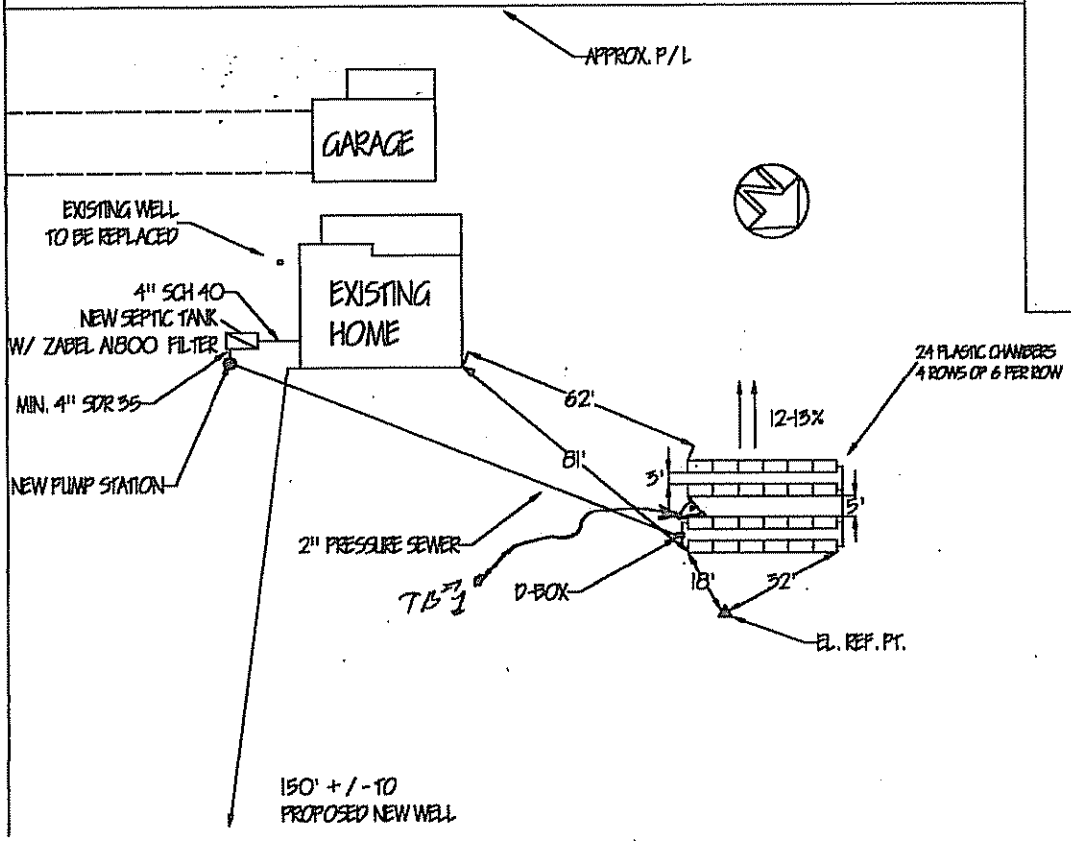
Town, City, Plantation	Street, Road Subdivision	Owner's Name
AUGUSTA	1428 LEAVITT RD.	ED & MELANI MCGUIRE

SITE PLAN

Scale 1" = 50' Ft. or as shown



SITE LOCATION PLAN

(Map from Maine Atlas recommended)

SEE ATTACHED MAP

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

Observation Hole TB1 Test Pit ☐ Boring ☒

" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0			DK BRN.	
10	SANDY LOAM	FRIABLE	REDDISH TO RED YELLOW	
20				FAINT
30		BEDROCK LIMITING FACTOR		
40				
50				

Soil Classification		Slope	Limiting Factor	
2	AIII	12-13%	26"	☐ Ground Water ☐ Restrictive Layer ☒ Bedrock ☐ Pit Depth
Profile	Condition			

Observation Hole _____ Test Pit ☐ Boring ☐

" Depth of Organic Horizon Above Mineral Soil

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

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

STEPHEN C. SMITH Stephen C. Smith # 253 5/28/01

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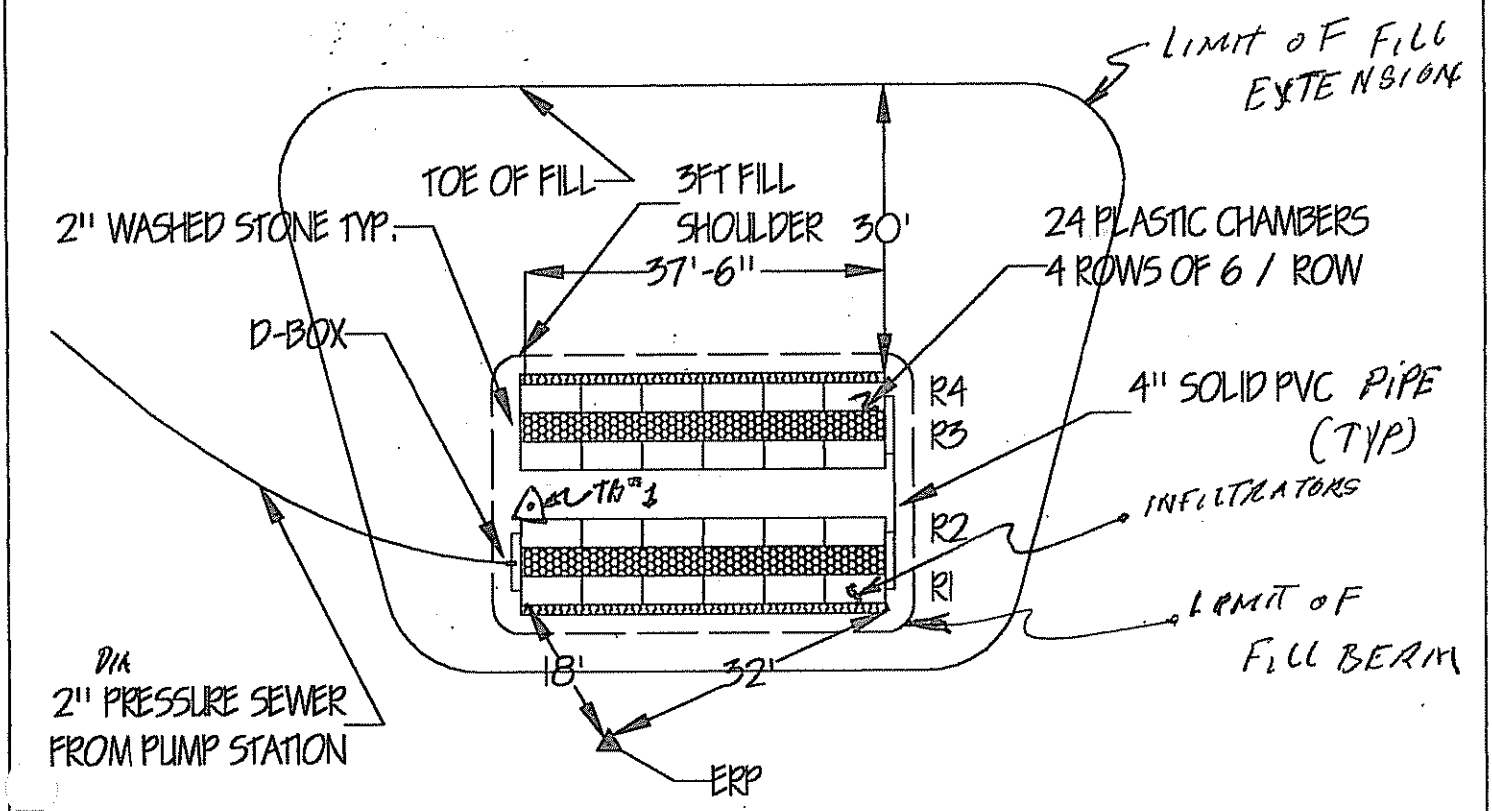
SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE 1" = 20 FT.



	R1&R2	R3&R4
CONSTRUCTION ELEVATIONS		
Finished Grade Elevation	-20"	-42"
Top of Distribution Pipe or Proprietary Device	-30"	-52"
Bottom of Disposal Area	-44"	-66"

FILL REQUIREMENTS

Depth of Fill (Upslope)	22"
Depth of Fill (Downslope)	34"

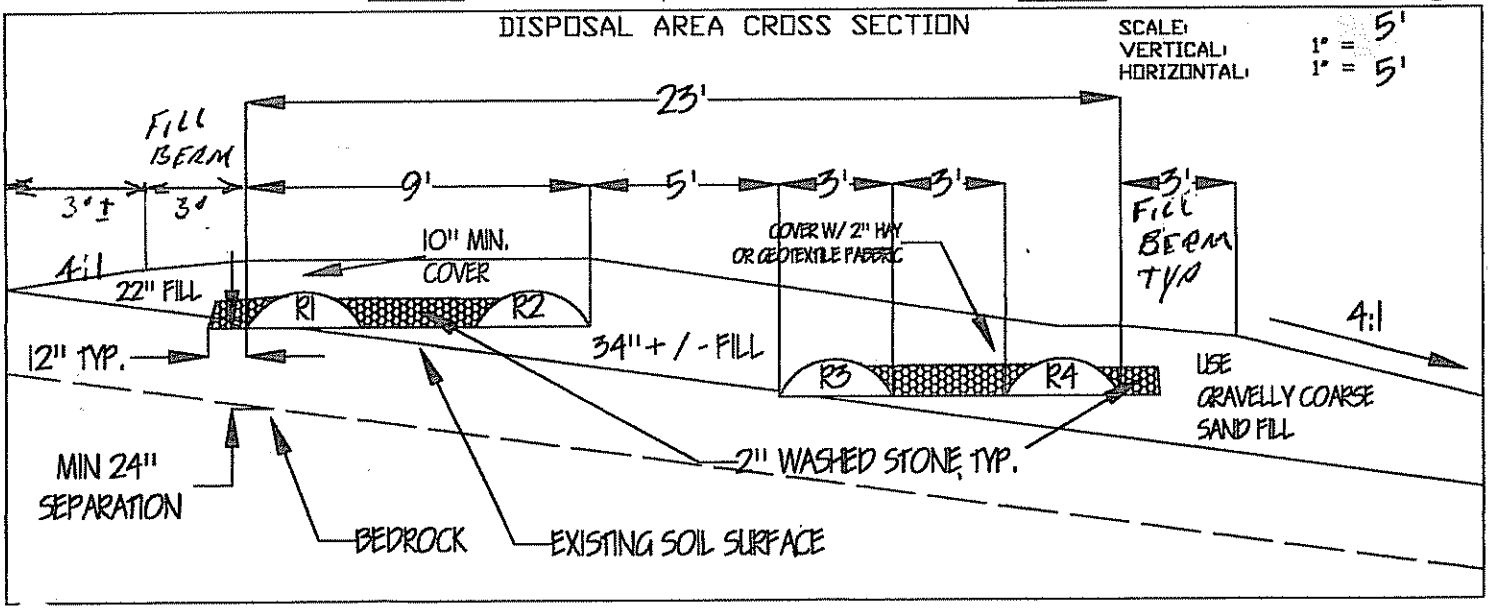
ELEVATION REFERENCE POINT

Location & Description: NAIL IN TREE

Reference Elevation: 0"

DISPOSAL AREA CROSS SECTION

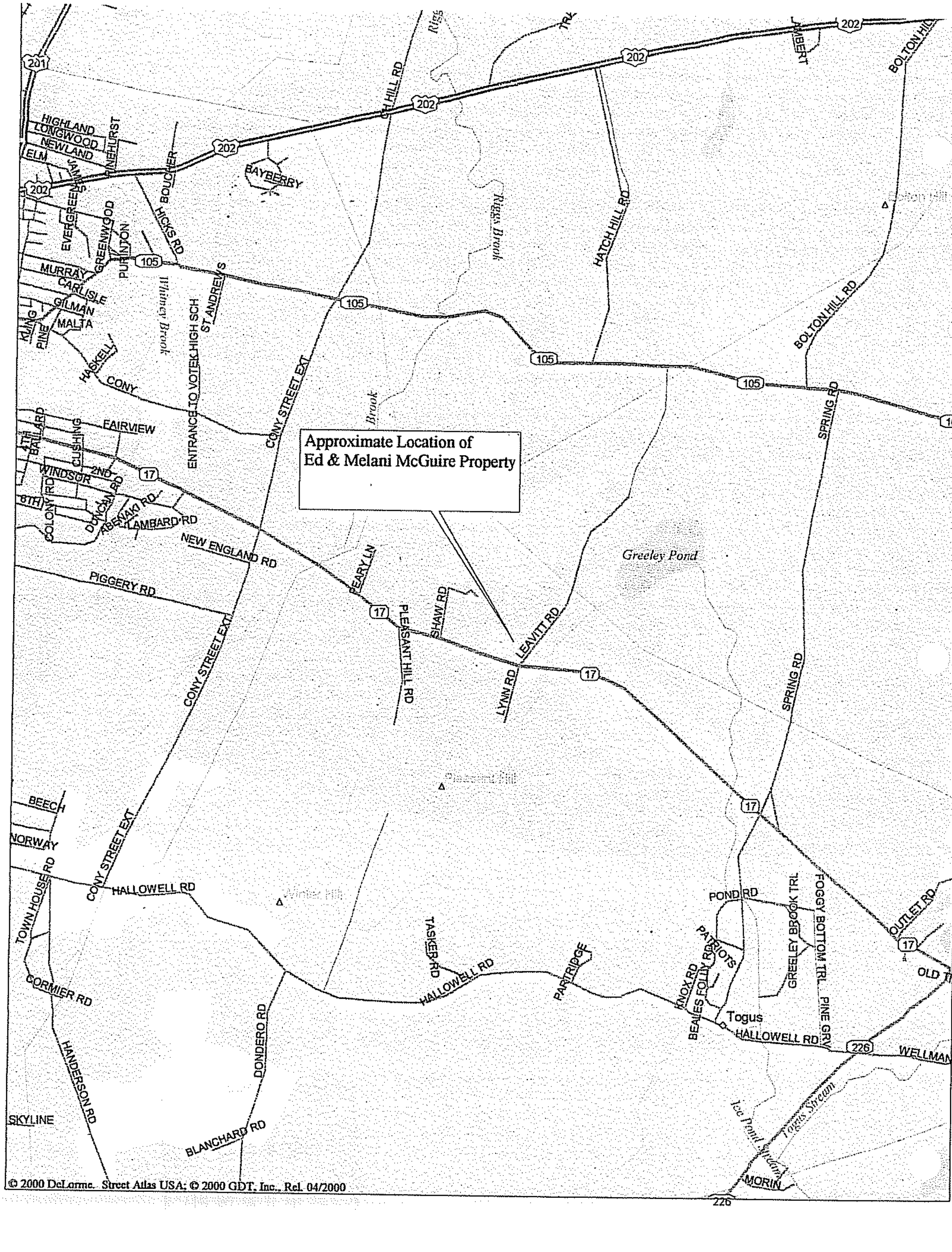
SCALE: VERTICAL: 1" = 5'
HORIZONTAL: 1" = 5'



Site Evaluator Signature

253
SE #

5/28/01
Date


Approximate Location of
Ed & Melani McGuire Property
202
201
105
17
226
HIGHLAND
LONGWOOD
NEWLAND
ELM
PINEHURST
BOUCHER
BAYBERRY
HATCH HILL RD
Riggs Brook
HICKS RD
EVERGREEN
GREENWOOD
PURINTON
MURRAY
CARLISLE
GILMAN
MALTA
PINE
HASKELL
CONY
Whitney Brook
ENTRANCE TO VOTEK HIGH SCH
ST ANDREWS
CONY STREET EXT
BOLTON HILL RD
SPRING RD
FAIRVIEW
CUSHING
BAILARD
4TH
2ND
WINDSOR
8TH
COLONY RD
DUNCAN RD
ABENAKI RD
LAMBARD RD
NEW ENGLAND RD
PIGGERY RD
PEARY LN
PLEASANT HILL RD
SHAW RD
LEAVITT RD
LYNN RD
Greeley Pond
BEECH
NORWAY
TOWN HOUSE RD
HALLOWELL RD
CORMIER RD
HANDERSON RD
DONDERO RD
TASKER RD
PARTRIDGE
POND RD
GREELEY BROOK TRL
FOGGY BOTTOM TRL
PATRIOTS
KNOX RD
BEALES FOLLY RD
Togus
PINE GRV
OUTLET RD
OLD
WELLMAN
SKYLINE
BLANCHARD RD
Togus Stream
MORIN
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Attn: George care Ed McGuire 468 VOTEC

ATTACHMENT FOR HHE-200 FORM

Date : May 28, 2001 Owner / Applicant : ED & MELANI MCGUIRE Town : AUGUSTA

1. All construction shall conform with Title 22 MRSA, §42, 144A CMR "Maine-Subsurface Waste Water Disposal Rules," and all other pertinent sections. The OWNER/APPLICANT is responsible for the contractor installing the proposed septic system correctly and for obtaining all necessary permits. The OWNER/APPLICANT shall carefully examine all documents submitted by the Site Evaluator and shall promptly notify him upon becoming aware of any defects

2. This disposal system form shall not be transferable and becomes invalid if the authorized work has not commenced within two years after the issue date of the disposal system.

3. The OWNER/APPLICANT shall accurately describe the intended uses (present and future) for the system to the Site Evaluator. Any change from the intended use described on this form requires a new design. Applicability of design must be re-evaluated when location of structures are substantially different than those shown on the site plan or when other structures, additions, or appurtenances (i.e. swimming pools, garbage disposals) are considered. Property lines shown are as provided by the owner, or his agent and no guarantee of accuracy is implied. Actual property lines must be confirmed by boundary survey.

INSTALLATION REQUIREMENTS

1. SETBACKS (under 1000 gpd) - Keep tank and disposal field 100 feet from wells, 50 feet from minor water courses, 100 feet from major water courses, and 10 feet from property lines, unless noted elsewhere on the forms. Septic tanks shall be a minimum of 8 feet from buildings and leach fields shall be 20 feet from buildings with basements and 15 feet from buildings with no full basement.

2. DRAINAGE - water runoff and drainage from basements, footings, or roofs shall not drain into the septic system and shall be diverted away from the disposal field.

3. DISCHARGE - water softeners, hot tubs etc. shall not discharge into the disposal system but may be discharged into a separate disposal field. No paint, paint thinner, commercial grease and oil, darkroom chemicals, etc. shall be disposed of in the disposal field.

4. CONDITIONS - excavations shall not be carried out when the soil moisture content is above the plastic limit. Disposal fields should not be installed in frozen ground or when the ambient air temperature is below freezing.

5. SITE PREPARATION - prior to placing backfill material, the vegetation shall be cut and removed. In areas adjacent to water bodies or wetland, erosion and sediment control measures shall be employed. The area under the disposal field and backfill extensions shall be plowed or disked to produce a thoroughly roughened surface to a depth of 6 to 8 inches. Surface water shall be diverted away from the disposal field.

6. EXCAVATION - the bottom of the each disposal field shall be installed at the elevation specified on this form. Avoid compaction of both sidewalls and bottom area. Make sure heavy equipment is not driven over the exposed bottom of the disposal field. If any portion of the bottom or sidewalls becomes smeared or compacted, that portion must be scarified to re-open soil pores.

7. BACKFILLING - At least 4 inches of cover material, suitable for establishment of a good vegetative cover shall be placed over the entire filled area including the fill material extensions. Backfill material shall be a minimum of 8 inches in thickness and consist of a gravelly coarse sand. Final grading shall be completed so that surface water will not collect over the disposal field. Immediately after completion of final grading, the fill material surface shall be stabilized by mulching and seeding to establish a good vegetative cover to prevent erosion. Grass, clover, trefoil, vetch, perennial wild flowers, or other herbaceous perennials may be utilized for disposal field surfaces. Woody shrubs or trees are unacceptable on disposal field surfaces.

8. SEPTIC TANK - The septic tank must be installed level and all joints, inspection covers, etc. must be water tight (the same is necessary for a pump tank if the system requires one). The outlet invert elevation should be equal to or higher than the finish grade of the septic field to avoid flooding of the tank and solids entering the field. Install a Zabel Industries, Inc. filter or equivalent on the outlet end of the septic tank when possible. Provide low profile septic tank when determined as necessary in the field. Septic tanks should be pumped out and checked every three years or more often to prolong the life of the waste water system.

9. FREEZING - Protect tanks, force mains, pump stations, D-boxes, etc. from freezing by either adequate ground cover or insulating.

10. The LPI shall inform the owner and designer of any local ordinance exceeding the Rules (Chapter 241) prior to issuing a permit, so that the application may be properly amended to conform to such ordinances if necessary.

Stephen C Smith SE # 253 5-28-01

STEPHEN C. SMITH