SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, 10 SHS
(207) 287-5672 Fax: (207) 287-3165

PROPERTY LOCATION

>> CAUTION: PERMIT REQUIRED - ATTACH IN SPACE BELOW <<

City or Plantation	AUGUSTA
Street or Road	Rte 105 (NORTH SIDE, 0.3 mi. WEST OF BOLTON HILL RD)
Subdivision, Lot #	663 So. Belfast Ave

AUGUSTA 5359 TOWN COPY
Date Permit Issued: 8/12/04 $ 100.00 ☐ If Double Fee Charged FEE
Local Plumbing Inspector Signature L.P.I. # 850

OWNER/APPLICANT INFORMATION

Name (last, first, MI)	KEITH, GARY ☒ Owner ☒ Applicant
Mailing Address of Owner/Applicant	P.O. BOX 662 AUGUSTA, ME 04330
Daytime Tel. #	(207) 547-3461

Municipal Tax Map # 11 Lot # 44

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.
Gary Keith
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.
Gary R. Fuller 11/12/04
Local Plumbing Inspector Signature (1st) date approved (2nd) date approved

PERMIT INFORMATION

TYPE OF APPLICATION
- ☒ 1. First Time System
- ☐ 2. Replacement System
- Type replaced: _____
- Year installed: _____
- ☐ 3. Expanded System
  - ☐ a. Minor Expansion
  - ☐ b. Major 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
25± ☐ SQ. FT. ☒ ACRES

SHORELAND ZONING
☐ Yes ☒ No

DISPOSAL SYSTEM TO SERVE
- ☒ 1. Single Family Dwelling Unit, No. of Bedrooms: 4
- ☐ 2. Multiple Family Dwelling, No. of Units: _____
- ☐ 3. Other: _____ (specify)

Current Use ☐ Seasonal ☐ Year Round ☒ Undeveloped

TYPE OF WATER SUPPLY
- ☒ 1. Drilled Well (proposed) ☐ 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: 1,000 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: 1,200 ☒ 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
360 gallons per day
BASED ON:
- ☒ 1. Table 501.1 (dwelling unit(s))
- ☐ 2. Table 501.2 (other facilities)

SHOW CALCULATIONS
— for other facilites —
- ☐ 3. Section 503.0 (meter readings)

ATTACH WATER METER DATA

SOIL DATA & DESIGN CLASS

PROFILE	CONDITION	DESIGN
3	C	1

at Observation Hole # TP-1
Depth 15"
of Most Limiting Soil Factor

DISPOSAL FIELD SIZING
- ☐ 1. Small—2.0 sq. ft. / gpd
- ☐ 2. Medium—2.6 sq. ft. / gpd
- ☒ 3. Medium—Large 3.3 sq. ft / gpd
- ☐ 4. Large—4.1 sq. ft. / gpd
- ☐ 5. 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

SITE EVALUATOR STATEMENT

I certify that on 3-6-04 (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).

Site Evaluator Signature	SE #	Date
Stephen A. Down	257	3-16-04

Site Evaluator Name Printed	Telephone Number	E-mail Address
STEPHEN A. DOWN	(207) 685-3637	sadown@prexar.com

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

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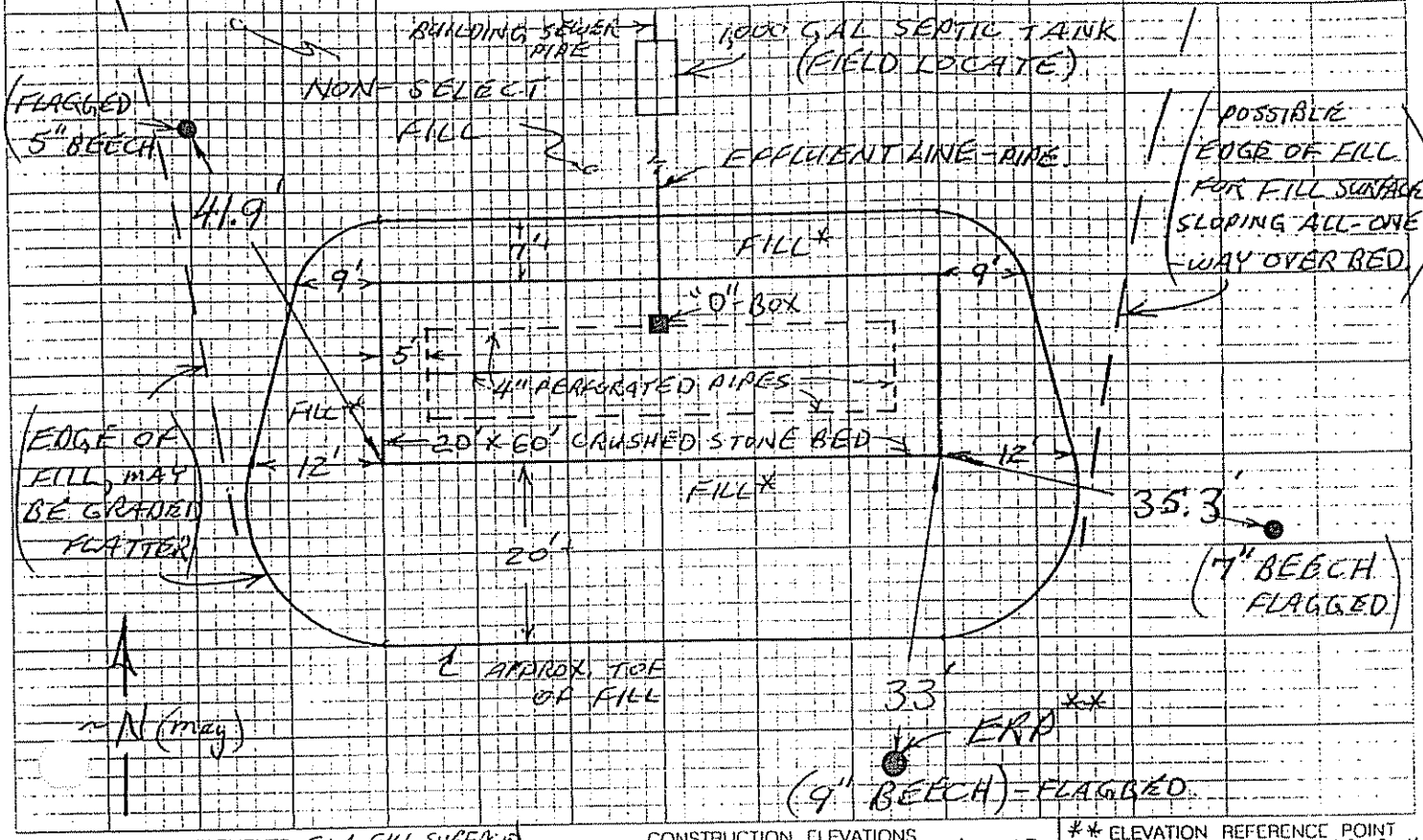
Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

Town, City, Plantation: AUGUSTA, NORTH SIDE, Rte 105, 0.3 mi W. of Bolton Hill Rd.

Owner: GARY KEITH

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE 1" = 20 FT



FILL REQUIREMENTS FOR FILL SURFACE (SLOPED ONE-WAY OVER THE BED.)

Depth of Fill (Upslope) 28" ±

Depth of Fill (Downslope) 34" ± (AT EDGE OF STONE BED)

CONSTRUCTION ELEVATIONS

Finished Grade Elevation (At center of bed) -19

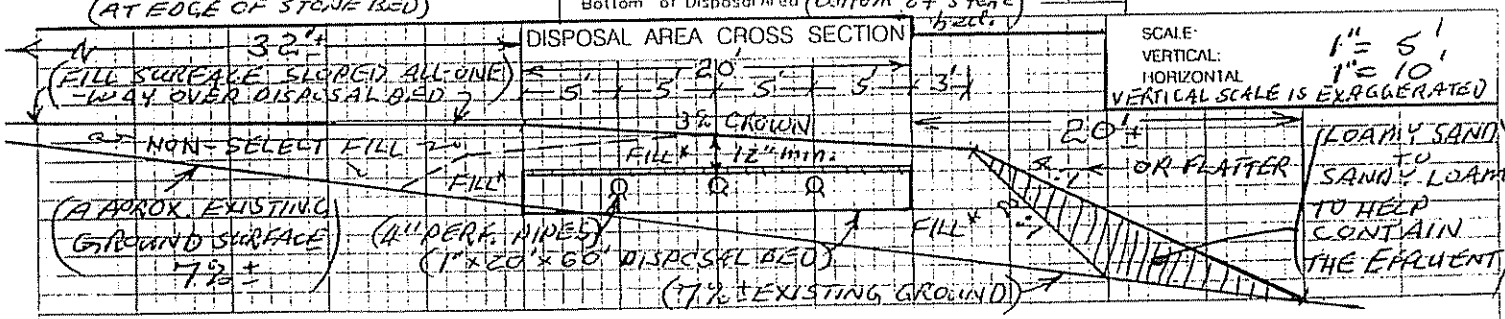
Top of Distribution Pipe ~~or Proprietary Device~~ -32"

Bottom of Disposal Area (Bottom of stone bed) -43"

** ELEVATION REFERENCE POINT
FLAGGED NAIL IN 9" BEECH TREE, ABOUT 7' ABOVE GROUND.
Reference Elevation = 0" = ERP

DISPOSAL AREA CROSS SECTION

SCALE:
VERTICAL: 1" = 5'
HORIZONTAL 1" = 10'
VERTICAL SCALE IS EXAGGERATED



REMOVE TREES, STUMPS, VEGETATION AND SCARIFY SURFACE BELOW FILL AREA.
PLACE 2" DEPTH COMPRESSED HAY ON 12" LAYER OF 1-1/2" CLEAN CRUSHED STONE.
*** FILL: COARSE SAND TO GRAVELY COARSE SAND PER SECTION 804.2 OF 'THE CODE'.**
RECOMMEND FILL SURFACE SLOPE ALL-ONE-WAY OVER BED TO AVOID A MOUND APPEARANCE.
MAINTAIN A MIN. 3% GRADE OVER THE BED, EXTENDING 3 FT. BEYOND EACH EDGE.
PROVIDE FOR SURFACE DRAINAGE AWAY FROM THE DISPOSAL AREA.
LOAM (4"MIN.), SEED AND MULCH ALL DISTURBED AREAS.
CONSTRUCTION TO COMPLY WITH 'THE CODE', 144 CMR 241.

Stephen A. Brown 257 3-14-04
Site Evaluator (207) 685-3037

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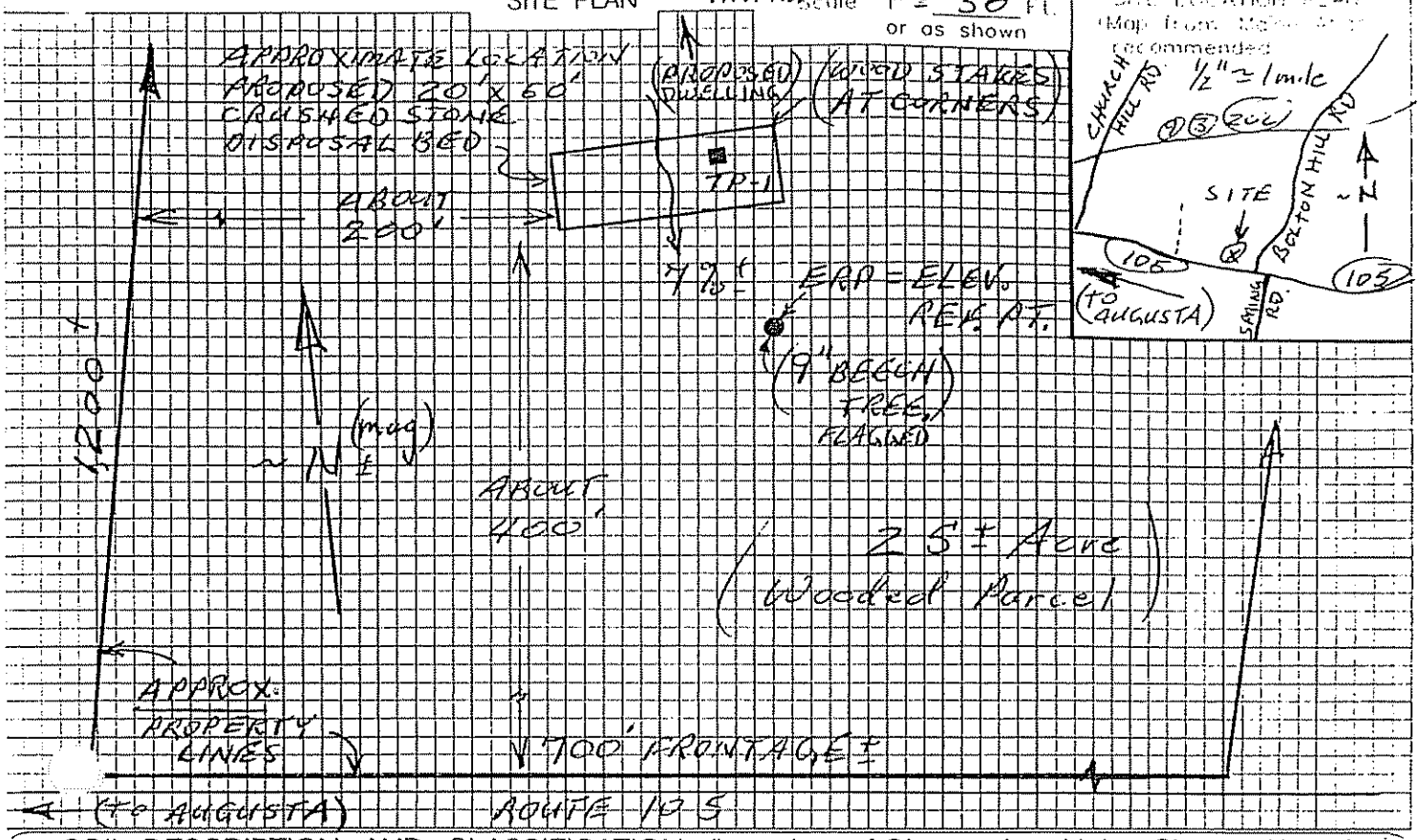
Town, City, Plantation: AUGUSTA
Street, Road Subdivision: RTE 105 NORTH SIDE, 0.3 mi W. of Bolton Hill Rd.
Owner's Name: GARY KEITH

SITE PLAN — Scale 1" ≅ 50 Ft. or as shown



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

Observation Hole TP-1 ☒ Test Pit 30" ☒ Boring 44"
0 " Depth of Organic Horizon Above Mineral Soil

Depth Below Mineral Soil Surface (inches)	Texture	Consistency	Color	Mottling
0	LOAM	LOOSE	DARK BROWN	
10	FINE SANDY LOAM (WITH SCATTERED GRAVEL & COBBLES. (SOME LARGE SURFACE BOULDERS)	FRIABLE	YELLOW BROWN	
20		FIRM	BROWN TO GRAY BROWN - OLIVE	FAINT COMMON
30				
40				
44"	TOTAL HOLE DEPTH			

Soil Classification	Slope	Limiting Factor	
3 (Profile) C (Condition)	7±%	15"	☒ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Observation Hole _____ ☐ Test Pit ☐ Boring
_____ " Depth of Organic Horizon Above Mineral Soil

Depth Below Mineral Soil Surface (inches)	Texture	Consistency	Color	Mottling
0	NOTE:			
10	- PROVIDE 100' MINIMUM DISTANCE BETWEEN WELLS & THE DISPOSAL SYSTEM.			
20	- 20' MINIMUM DISTANCE BETWEEN FOUNDATION WALL AND CRUSHED STONE DISPOSAL BED.			
30				
40	- 8' MIN. DISTANCE BETWEEN HOUSE & SEPTIC TANK.			
50				

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

Stephen A. Brown 257 — 5-13-04
Site Evaluator Signature (207) 685-3637 — Date