SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services
Division of Environmental Health, 11 SHS
(207) 287-5672 FAX (207) 287-4172

PROPERTY LOCATION

City, Town, or Plantation: LAMOINE

Street or Road: 456 LAMOINE BEACH ROAD

Subdivision, Lot #:

>> CAUTION: LPI APPROVAL REQUIRED <<

Town/City: LAMOINE Permit #: 1699

Date Permit Issued: 9/25/12 Fee $: 250 Double Fee Charged ( )

Local Plumbing Inspector Signature L.P.I. #: 1090

☐ Owner ☒ Town ☐ State

OWNER/APPLICANT INFORMATION

Name (last, first, MI): BOYNTON, RUSSELL ■ Owner ☐ Applicant

Mailing Address of ☐ Owner ■ Applicant: c/o JAY FOWLER, 216 PARTRIDGE COVE ROAD, LAMOINE, ME. 04605

Daytime Tel. #: (207) 667-5147

The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with the application and the Maine Subsurface Wastewater Disposal Rules.

Municipal Tax Map #: 12 Lot #: 6

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.

Russell G. Boynton Sr — Signature of Owner or Applicant — Date: 9-20-12

CAUTION: INSPECTION REQUIRED

I have inspected the installation authorized above and found it to be in compliance with Subsurface Wastewater Disposal Rules Application. 9-22-12 (1st Date Approved)

Local Plumbing Inspector Signature — 10-15-12 (2nd Date Approved)

PERMIT INFORMATION

TYPE OF APPLICATION

☐ 1. First Time System
■ 2. Replacement System
Type Replaced: TRENCH
Year Installed: 1960'S
☐ 3. Expanded System
☐ a. < 25% Expansion
☐ b. ≥ 25% Expansion
☐ 4. Experimental System
☐ 5. Seasonal Conversion

SIZE OF PROPERTY

1± ☐ sq. ft. ■ acres

SHORELAND ZONING

☐ Yes ■ No

THIS APPLICATION REQUIRES

■ 1. No Rule Variance
☐ 2. First Time System Variance (*MAY REQUIRE EASEMENT, SEE PAGE 2)
☐ 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 TO SERVE

■ 1. Single Family Dwelling Unit, No. of Bedrooms: 4
☐ 2. Multiple Family Dwelling, No. of Units:
■ 3. Other: (SPECIFY) 2-BEDROOM APARTMENT

Current Use: ☐ Seasonal ■ Year Round ☐ Undeveloped

DISPOSAL SYSTEM COMPONENT(S)

■ 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

TYPE OF WATER SUPPLY

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

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

■ 1. Concrete TWO 1000 GAL. TANKS IN-SERIES
■ a. Regular
☐ b. Low Profile
☐ 2. Plastic
■ 3. Other: 3' PUMP TANK
CAPACITY 2000 gallons

DISPOSAL FIELD TYPE & SIZE

☐ 1. Stone Bed ☐ 2. Stone Trench
■ 3. Proprietary Device 20 SIDE FEED CONCRETE CHAMBERS
☐ a. Cluster Array ■ c. Linear
■ b. Regular load ☐ d. H-20 load
☐ 4. Other:
SIZE 1540 ■ 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

540 gallons per day
BASED ON
■ 1. Table 4A (dwelling unit(s)
☐ 2. Table 4C (other facilities)
SHOW CALCULATIONS for other facilities
4 BEDROOM HOUSE: 360 GPD
2 BEDROOM APARTMENT: 180 GPD
540 GPD
☐ 3. Section 4G (meter readings) ATTACH WATER METER DATA

SOIL DATA & DESIGN CLASS

PROFILE CONDITION
6 B
at Observation Hole # 1
Depth 54"
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

LATTITUDE AND LONGITUDE

at Center of Disposal Area
Lat. 44° d 27' m 46" s N
Lon. 68° d 18' m 51" s W
if g.p.s., state margin of error 30'±

SITE EVALUATOR STATEMENT

I certify that on 8-2-11 (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
	319	9-14-11
WILLIAM A. LaBELLE, JR.	(207) 537-5900	labelleseptic@rivah.net
Site Evaluator Name Printed	Telephone Number	E-mail Address

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

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LAMOINE	LAMOINE BEACH ROAD	RUSSELL BOYNTON

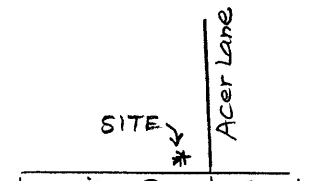
SITE PLAN

Scale 1" = 50 Ft.

(SEE ATTACHED SITE PLAN)

NOTE:
PROPERTY LINES ARE NOT KNOWN, THE LAND PROPOSED SYSTEM IS ON, EITHER IS OWNED BY RUSSELL OR A FAMILY MEMBER. AN EASEMENT MAY BE NEEDED FOR SYSTEMS PLACEMENT.

SITE LOCATION PLAN
(Attach map from Maine Atlas for First Time System Variance)



SOIL PROFILE DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above or on pg. 2A)

Observation Hole #1 ■ Test Pit ☐ Boring

1/2" Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
10	LOAMY COARSE GRAVELLY SAND	FRIABLE TO LOOSE	(7.5 YR 3/3)	N.E.
20			(7.5 YR 4/6)	
30	GRAVELLY COARSE SAND TO 60"			
40			(2.5Y 4/6)	
50				

Soil Profile	Classification Condition	Slope	Limiting Factor	
6	B	3%	54" Depth	■ Ground Water ■ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Observation Hole #2 ■ Test Pit ☐ Boring

1/2" Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
10	LOAMY COARSE GRAVELLY SAND	FRIABLE TO LOOSE	(10 YR 3/3)	N.E.
20			(7.5 YR 3/4)	
30				
40			(2.5Y 4/4)	
50				

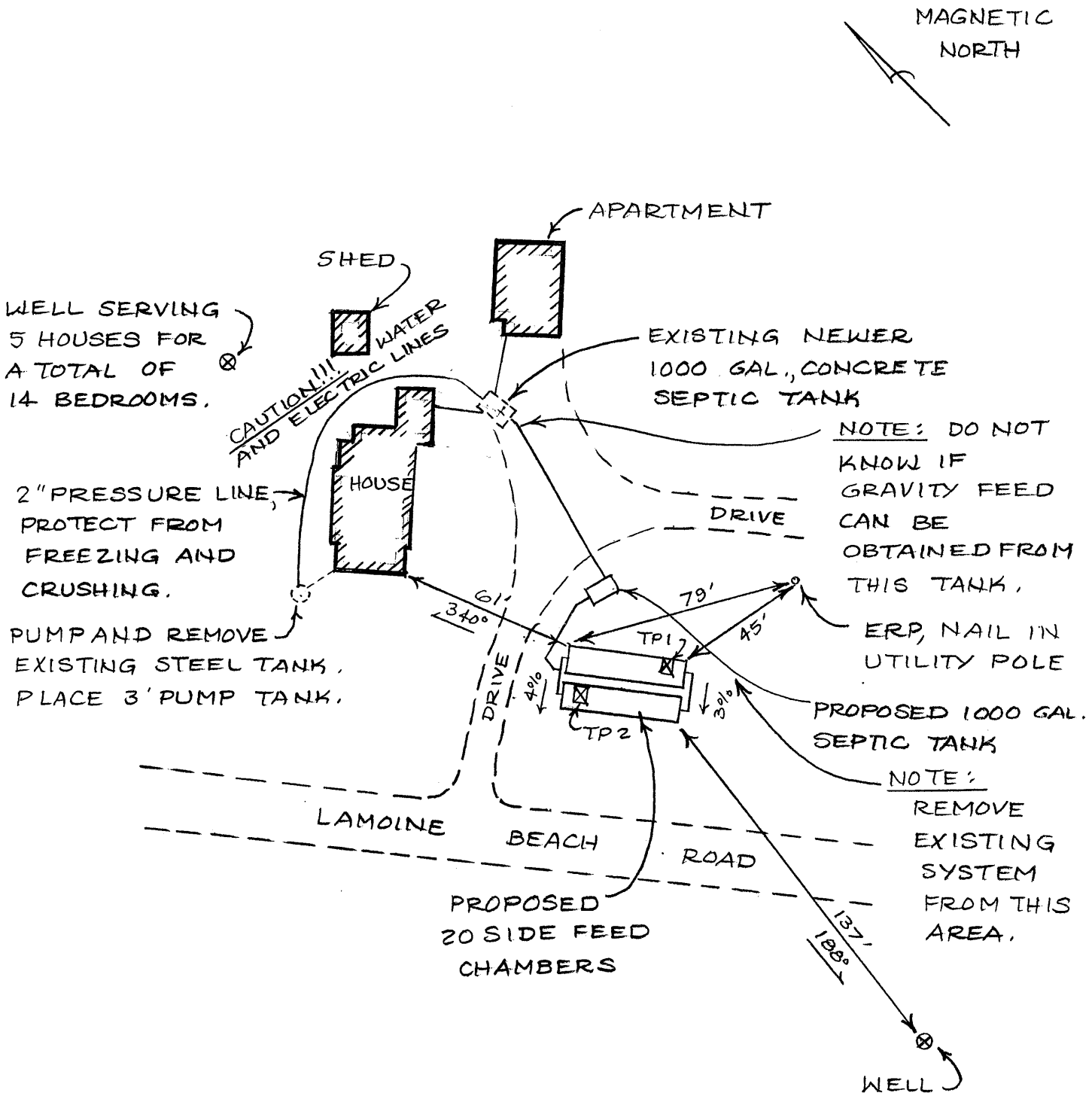
Soil Profile	Classification Condition	Slope	Limiting Factor	
6	B	3%	60" Depth	☐ Ground Water ☐ Restrictive Layer ☐ Bedrock ■ Pit Depth

Site Evaluator's Signature: [signature] S. E. #: 319 Date: 9-14-11

Town, City, Plantation	Street, Road, Subdivision	Owner or Applicant Name
LAMOINE	LAMOINE BEACH ROAD	RUSSELL BOYNTON

SITE PLAN:

SCALE: 1" = 50 FT.



Site Evaluator's Signature	S.E. #	Date
[signature]	319	9-14-11

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SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE: 1" = 20 FT.

(SEE ATTACHED SUBSURFACE WASTEWATER DISPOSAL PLAN)

FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS	SYSTEM:	PRIVY:	ELEVATION REFERENCE POINT
Depth of Backfill (Upslope)	0"	Finished Grade Elevation	-66"		Location & Description NAIL 5"
Depth of Backfill (Downslope)	0"-6"	Top of Distribution Pipe or Proprietary Device	-77"	N/A	ABOVE GROUND IN UTILITY
Depths @ cross-section shown below or on X-sec. detail.		Bottom of Disposal Field	-90"		POLE. Reference Elevation is: 0"

DISPOSAL AREA CROSS SECTION (SEE ATTACHED CROSS SECTION)

NOTES:

1. GRADE SURROUNDING AREA TO DIVERT SURFACE WATER AWAY FROM SYSTEM.
2. ALL WORK DONE ADJACENT TO WETLANDS AND WATER BODIES MUST BE DONE IN COMPLIANCE WITH SECTION 11-M OF THE SUBSURFACE WASTEWATER DISPOSAL RULES; EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN ACCORDANCE WITH THE MARCH 2003 EDITION OF THE MAINE DEP HANDBOOK "MAINE EROSION AND SEDIMENT CONTROL BMPS" (DEPLW0588).
3. INSTALL SEPTIC TANK RISERS 18" IN DIAMETER "MINIMUM" TO WITHIN 6" OF FINISH GRADE ON INLET, CLEANOUT AND OUTLET COVERS (RECOMMEND EXTENDING RISERS TO FINISH GRADE); INSTALL RISER TO FINISH GRADE OF APPROPRIATE SIZE TO ALLOW PUMP REMOVAL ON ALL IN-TANK PUMP CHAMBERS AND SEPARATE PUMP TANKS.
4. PROTECT LIFT STATION AND PUMP TANKS FROM FREEZING.
5. SEPTIC TANK TO BE 8 FEET MINIMUM FROM BUILDING.

Site Evaluator's Signature	S.E. #	Date
[signature]	319	9-14-11

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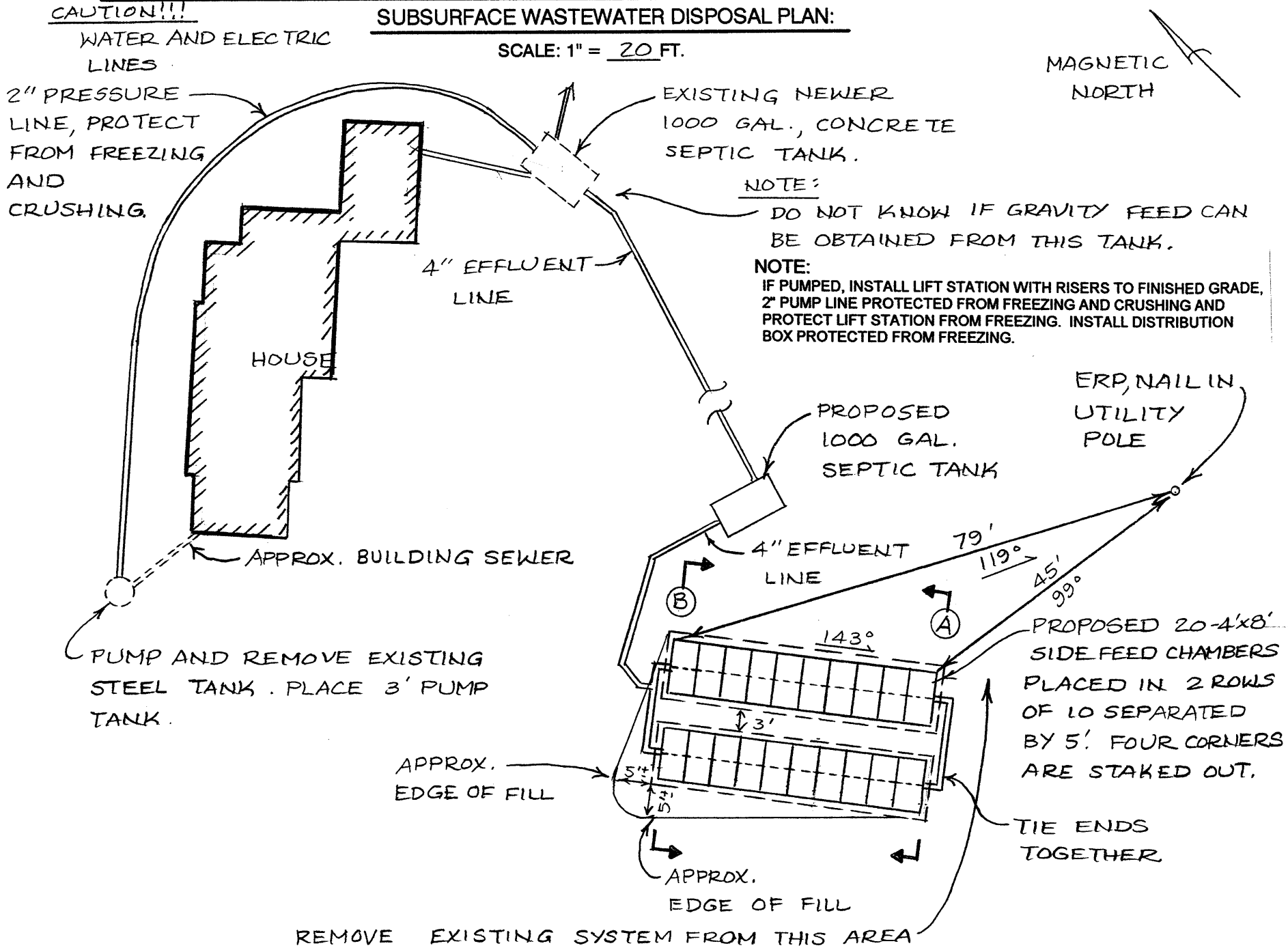
SUBSURFACE WASTEWATER DISPOSAL PLAN:

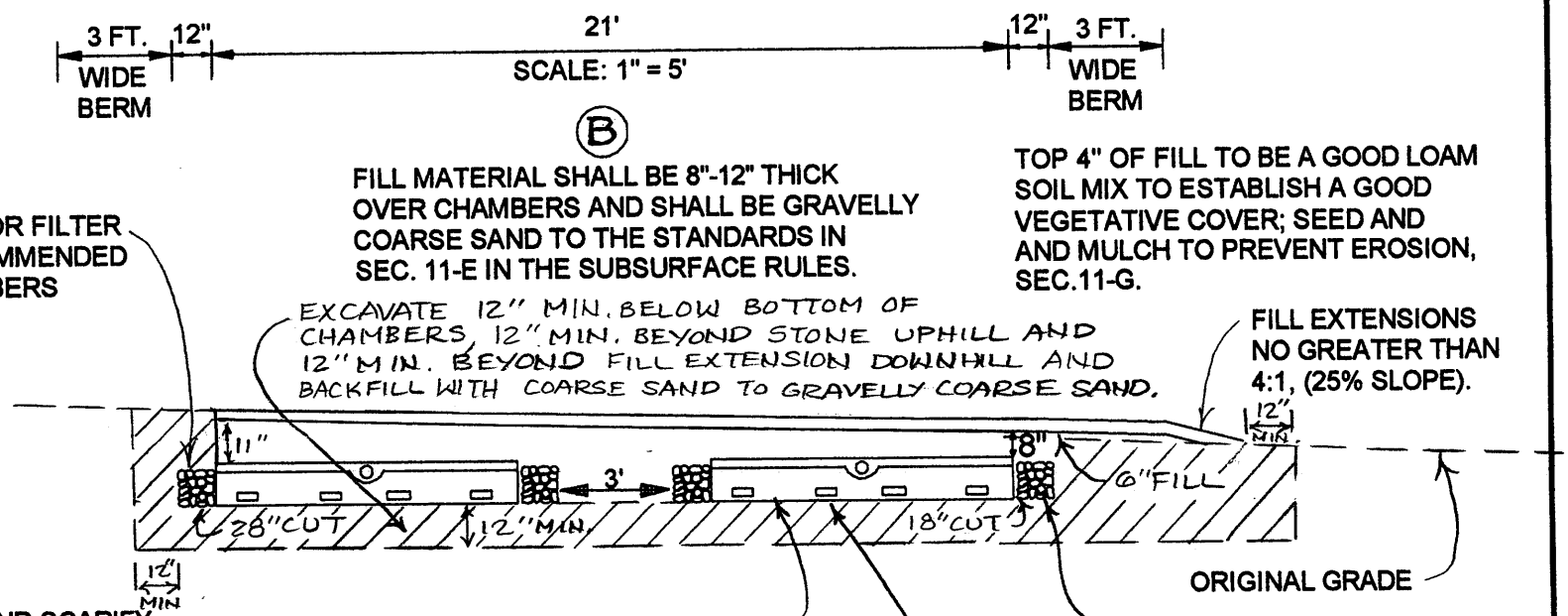
SCALE: 1" = 20 FT.



NOTE:
IF PUMPED, INSTALL LIFT STATION WITH RISERS TO FINISHED GRADE, 2" PUMP LINE PROTECTED FROM FREEZING AND CRUSHING AND PROTECT LIFT STATION FROM FREEZING. INSTALL DISTRIBUTION BOX PROTECTED FROM FREEZING.

Site Evaluator's Signature	S.E. #	Date
[signature]	319	9-14-11

DISPOSAL AREA CROSS SECTION



ELEVATIONS:

ELEV. REF. PT. (ERP):	0"
FINISHED GRADE:	-62"-65"
TOP OF CHAMBERS:	-77"
BOTTOM OF CHAMBERS:	-90"

NOTE:

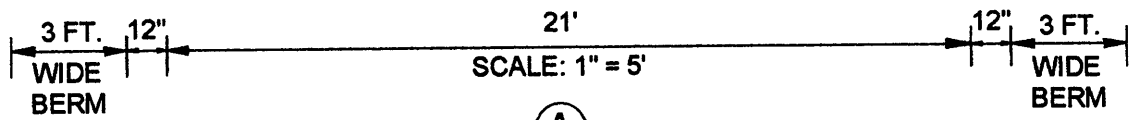
SYSTEM MUST BE INSTALLED ACCORDING TO THE RULES AND PRACTICES SET FORTH IN THE MOST CURRENT VERSION OF THE STATE OF MAINE SUBSURFACE WASTEWATER DISPOSAL RULES. INSTALLATION CONTRATOR MUST BE FAMILIAR WITH SAID RULES AND CONSTRUCT SYSTEM IN FULL COMPLIANCE WITH SECTION 11 OF SAID RULES.

OWNER: RUSSELL BOYNTON

LOCATION: LAMOINE

WILLIAM A. LaBELLE, JR.	319	9-14-11
	S.E.#	DATE

DISPOSAL AREA CROSS SECTION



(A)

FILL MATERIAL SHALL BE 8"-12" THICK OVER CHAMBERS AND SHALL BE GRAVELLY COARSE SAND TO THE STANDARDS IN SEC. 11-E IN THE SUBSURFACE RULES.

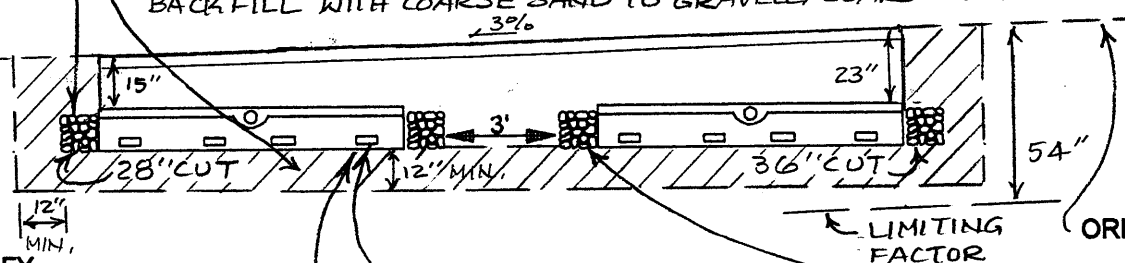
TOP 4" OF FILL TO BE A GOOD LOAM SOIL MIX TO ESTABLISH A GOOD VEGETATIVE COVER; SEED AND AND MULCH TO PREVENT EROSION, SEC.11-G.

2'' COMPRESSED HAY (OR FILTER FABRIC) SEC. 11-F RECOMMENDED OVER STONE AND CHAMBERS

EXCAVATE 12" MIN. BELOW BOTTOM OF CHAMBERS, 12" MIN. BEYOND SIDES OF SYSTEM AND BACKFILL WITH COARSE SAND TO GRAVELLY COARSE SAND.

FILL EXTENSIONS NO GREATER THAN 4:1, (25% SLOPE).

FILL EXTENSIONS NO GREATER THAN 4:1, (25% SLOPE).



REMOVE VEGETATION AND SCARIFY ORIGINAL SOIL UNDER ENTIRE FILL AREA, SEC. 11-B.

4' x 8' CHAMBER

BOTTOM OF CHAMBERS MUST BE LEVEL WITH MAXIMUM GRADE TOLERANCE OF 2" PER 100'.

12" CLEAN STONE, (3/4" - 2 1/2" DIA.), UNIFORM SIZE.

THOROUGHLY MIX, DISK OR ROTO-TILL CLEAN, COARSE, SHARP SAND INTO TOP 4 INCHES OF ORIGINAL SOIL TO CREATE A TRANSITION ZONE, SEC. 11-B.

ELEVATIONS:

ELEV. REF. PT. (ERP):	0"
FINISHED GRADE:	-54"-62"
TOP OF CHAMBERS:	-77"
BOTTOM OF CHAMBERS:	-90"

NOTE:

SYSTEM MUST BE INSTALLED ACCORDING TO THE RULES AND PRACTICES SET FORTH IN THE MOST CURRENT VERSION OF THE STATE OF MAINE SUBSURFACE WASTEWATER DISPOSAL RULES. INSTALLATION CONTRATOR MUST BE FAMILIAR WITH SAID RULES AND CONSTRUCT SYSTEM IN FULL COMPLIANCE WITH SECTION 11 OF SAID RULES.

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