SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services
Div. Environmental Health, 11 SHS
(207) 287-2070 FAX (207) 287-4172

PROPERTY LOCATION

City, Town, or Plantation	LAMOINE
Street or Road	BUTTERMILK ROAD
Subdivision, Lot #	

OWNER/APPLICANT INFORMATION

Name (last, first, MI)	CLOW, AMELIA ■ Owner ☐ Applicant
Mailing Address of ■ Owner ☐ Applicant	21 COMINS LANE EDDINGTON, ME. 04428
Daytime Tel. #	207-266-0439

>> CAUTION: LPI APPROVAL REQUIRED <<

Town/City Lamoine Permit # 1868

Date Permit Issued 11/8/17 Fee $ 265 Double Fee Charged ( )

Local Plumbing Inspector Signature L.P.I. # 394

Fee: $_____ state min. fee $_____ Locally adopted fee

Copy: ☐ Owner ☐ Town ☐ State

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 # 6 Lot # 12-2

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.

Signature of Owner or Applicant — Date 11/8/17

CAUTION: INSPECTION REQUIRED

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

Local Plumbing Inspector Signature — (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 <25%
  - ☐ b. Major Expansion ≥ 25%
- ☐ 4. Experimental System
- ☐ 5. Seasonal Conversion

SIZE OF PROPERTY

TO BE: 1 ☐ sq. ft. ■ acres

SHORELAND ZONING

☐ Yes ■ No

THIS APPLICATION REQUIRES

- ■ 1. No Rule Variance (SEE NOTE PG 2)
- ☐ 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 TO SERVE

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

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

TO BE

■ 1. Drilled Well ☐ 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: LIFT STATION

CAPACITY 1000 gallons

SOIL DATA & DESIGN CLASS

PROFILE CONDITION: 9 I D

at Observation Hole # 1

Depth 12 " OF MOST LIMITING SOIL FACTOR

DISPOSAL FIELD TYPE & SIZE

- ☐ 1. Stone Bed ☐ 2. Stone Trench
- ■ 3. Proprietary Device 12 SI OF FEED CONCRETE CHAMBERS
  - ☐ a. Cluster Array ■ c. Linear
  - ■ b. Regular load ☐ d. H-20 load
- ☐ 4. Other: _____

SIZE _____ ☐ sq. ft. ☐ lin. ft.

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

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

EFFLUENT/EJECTOR PUMP

- ☐ 1. Not Required
- ☐ 2. May be Required
- ■ 3. Required

Specify only for engineered systems

DOSE: _____ gallons

DESIGN FLOW

180 gallons per day

BASED ON

- ■ 1. Table 4A (dwelling unit(s)
- ☐ 2. Table 4C (other facilities)

SHOW CALCULATIONS for other facilities

☐ 3. Section 4G (meter readings) ATTACH WATER METER DATA

LATITUDE AND LONGITUDE

at center of disposal area

Lat. 44° d 30' m 09.4" s N

Lon. 68° d 21' m 50.8" s W

If g.p.s., state margin of error 30'

SITE EVALUATOR STATEMENT

I certify that on 7-27-17 (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	319 SE#	7-30-17 Date
WILLIAM A. LaBELLE, JR. Site Evaluator Name Printed	(207) 537 - 5900 Telephone Number	labelleseptic@rivah.net E-mail Address

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

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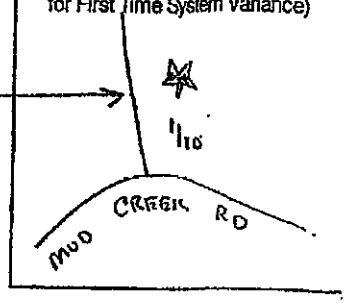
LAMOINE	BUTTERMILK ROAD	AMELIA CLOW

SITE PLAN

Scale 1" = 40 Ft.

(SEE ATTACHED SITE PLAN)

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



NOTE:

* LAND CONVEYANCE FROM SON TO AMELIA HAS NOT TAKEN PLACE YET, MAY NEED AN EASEMENT TO ACCESS, INSTALL, MAINTAIN, OPERATE AND REPLACE SEPTIC ON LANDS OF HER SON "RICK WALLACE".

* MAY BUILD A GARAGE THAT HAS A BATHROOM IN IT AT A LATER DATE, MAY REQUIRE A PUMP TANK AT THAT POINT.

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

Observation Hole #1 ■ Test Pit ☐ Boring

1 " Depth of organic horizon above mineral soil

Texture	Consistency	Color	Mottling
CLAY LOAM TO CLAY	FRIABLE	(10YR4/4)	N.E.
	COMPACTED	(2.5Y 4/4)	COMMON DISTINCT TO MANY PROMINENT

DEPTH BELOW MINERAL SOIL SURFACE (inches): 10, 20, 30, 40, 50

Soil Profile	Classification Condition	Slope	Limiting Factor	
9	D	3-4%	42" Depth	■ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Observation Hole _____ ☐ Test Pit ☐ Boring

_____ " Depth of organic horizon above mineral soil

Texture	Consistency	Color	Mottling

DEPTH BELOW MINERAL SOIL SURFACE (inches): 10, 20, 30, 40, 50

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

Site Evaluator's Signature

319
S.E. #

7-30-17
Date

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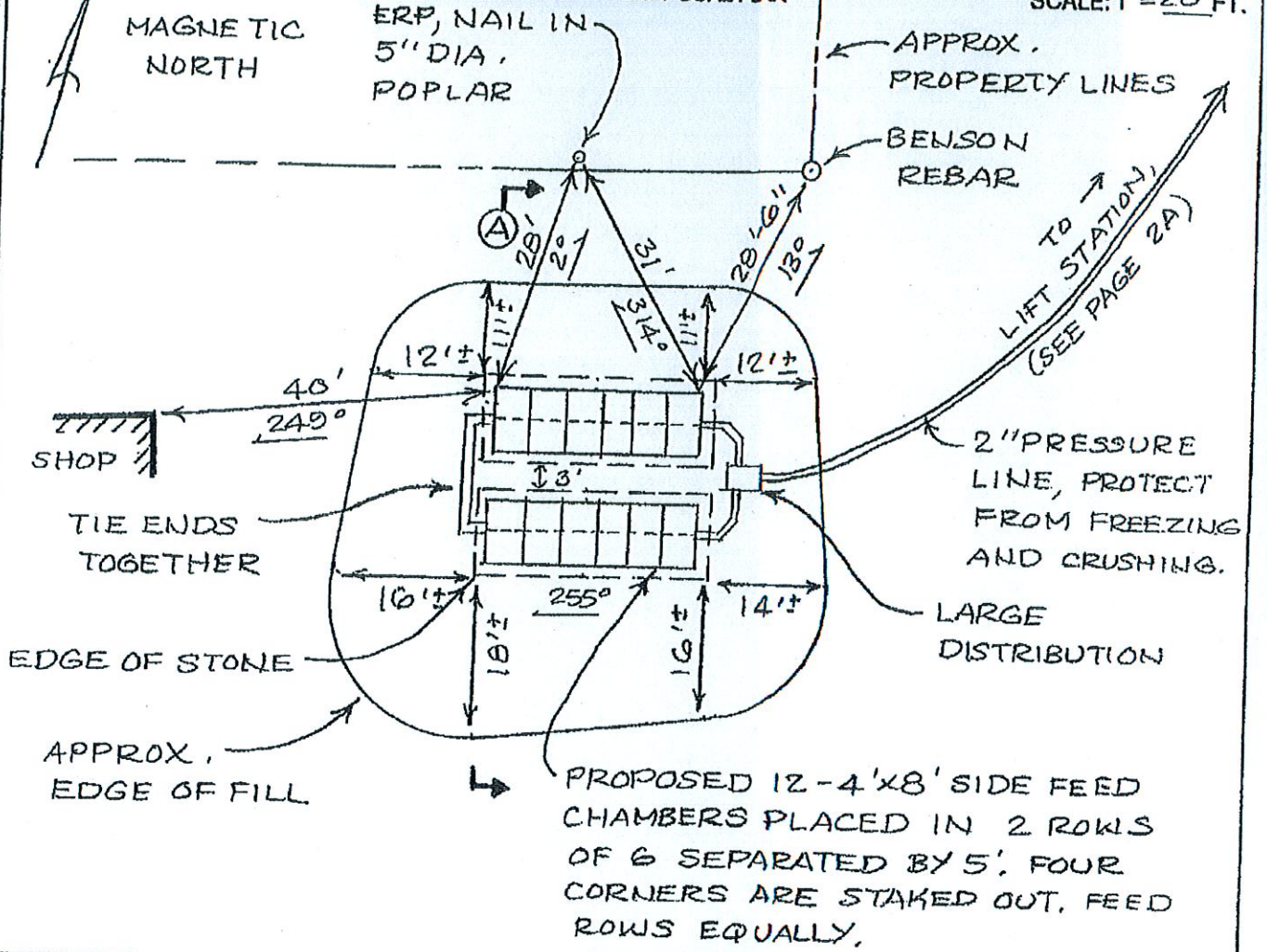
SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE: 1" = 20 FT.



FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS	SYSTEM:	PRIVY:	ELEVATION REFERENCE POINT
Depth of Backfill (Upslope)	27"	Finished Grade Elevation	CROWN-35"		Location & Description NAIL 53"
Depth of Backfill (Downslope)	34"-37"	Top of Distribution Pipe or Proprietary Device	-47"	N/A	ABOVE GROUND IN 5" DIA.
Depths @ cross-section shown below or on X-sec. detail.		Bottom of Disposal Field	-60"		POPLAR.
					Reference Elevation is: 0"

DISPOSAL AREA CROSS SECTION (SEE ATTACHED CROSS SECTION)

NOTES:

1. Tank(s) must be 8' minimum from building.
2. Grade surrounding area to divert surface water away from system.
3. Well to be 51' minimum from septic tank(s) and 100' minimum from disposal field.
4. All work done adjacent to wetlands and water bodies must be done in compliance with section 12 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" (DEPW0588).
5. Install septic tank(s) risers 18" in diameter "minimum" to within 6" of finished grade on inlet, cleanout and outlet covers (recommend extending risers to finish grade). Install risers to finish grade of appropriate size to allow pump removal on all in-tank pump chambers and separate pump tanks.
6. Protect lift stations and pump tanks from freezing.
7. Full basement below grade foundation, frost wall or columns must be 20' minimum from stone around chambers and slab on grade must be 15' minimum from stone around chambers.

Site Evaluator's Signature	S.E. #	Date
[signature]	319	7-30-17

NOTE:
GRADE UPSLOPE TO DIVERT SURFACE WATER AWAY FROM SYSTEM, ALSO DOWNSLOPE.

DISPOSAL AREA CROSS SECTION

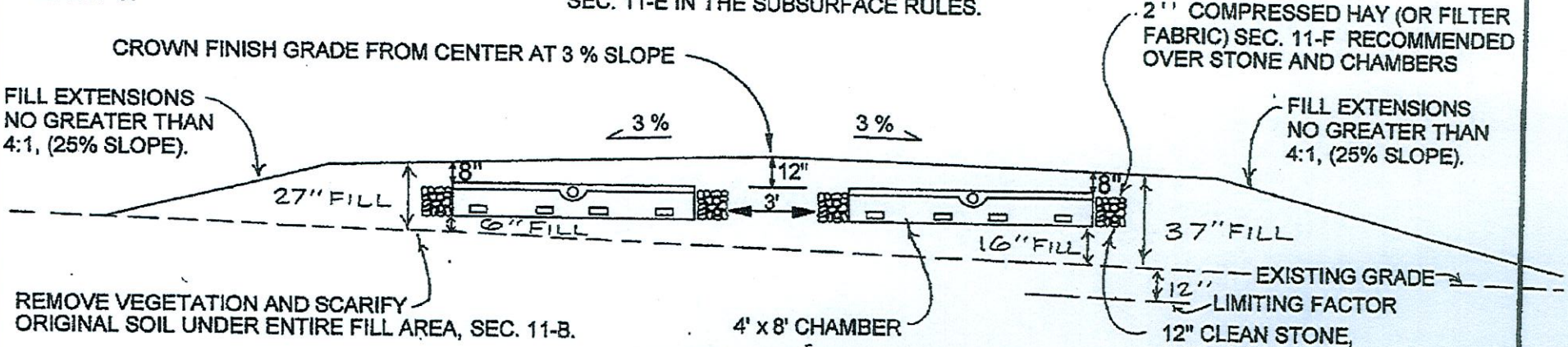
3 FT. WIDE BERM | 12" | 21' | 12" | 3 FT. WIDE BERM

SCALE: 1" = 5'

(A)

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

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.



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

THOROUGHLY MIX, DISK OR ROTO-TILL CLEAN, COARSE, SHARP SAND INTO TOP 6 INCHES OF ORIGINAL SOIL TO CREATE A TRANSITION ZONE, SEC. 11-B.

ELEVATIONS:

ELEV. REF. PT. (ERP):	0"
FINISHED GRADE:	-35" CROWN
TOP OF CHAMBERS:	-47"
BOTTOM OF CHAMBERS:	-60"

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: AMELIA CLOW

LOCATION: LAMOINE

WILLIAM A. LaBELLE, JR.	319	7-30-17
	S.E.#	DATE

DOC17

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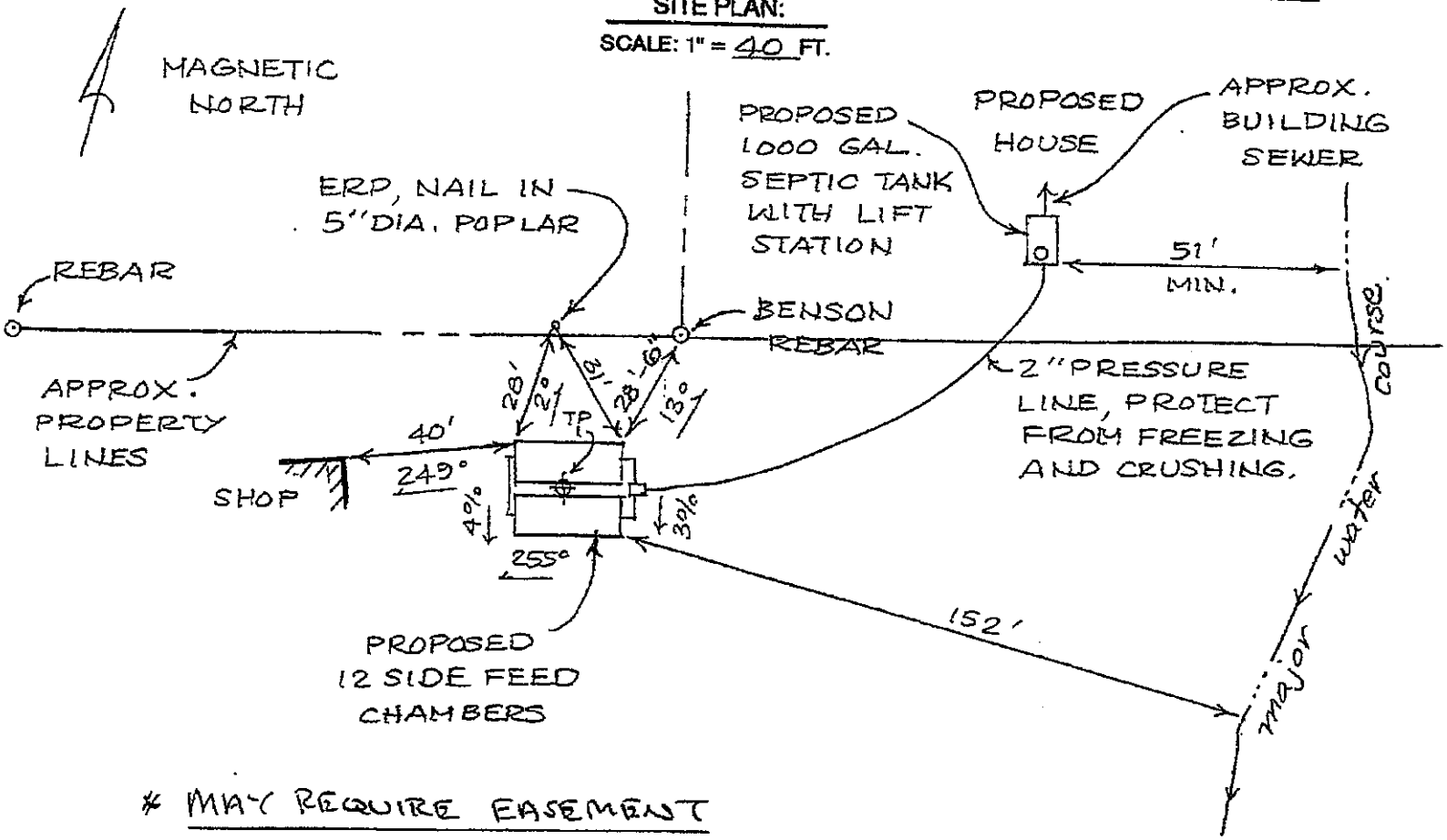
LAMOINE	BUTTERMILK ROAD	AMELIA CLOW

SITE PLAN:

SCALE: 1" = 40 FT.



* MAY REQUIRE EASEMENT

Site Evaluator's Signature	S.E. #	Date
[signature]	319	7-30-17