

Stewart's Soil & Septic
Bonnie J.S. Cobb, CSS, LSE

73 Quaker Ridge Road
Durham, Maine 04222
(207) 899-8397

June 8, 2026
Project # 26046

Gilbert Plourde
5 Eric's Lane
Bowdoin, ME 04287
gilplourde@gmail.com

Preliminary Site Evaluation: Carding Machine Road (across from 112), Bowdoinham, ME

On June 3, 2026, I performed a preliminary site evaluation at the above-mentioned property for the purpose of subsurface wastewater disposal. Currently, Maine Subsurface Wastewater Disposal Rules specify a minimum of 9-inches of suitable soil prior to a seasonal-high watertable, restrictive layer, or bedrock/ledge (limiting factors) outside of the Shoreland Zone.

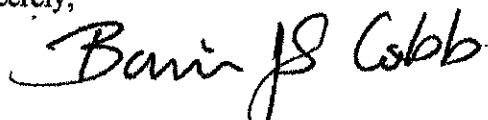
"Passing" areas were identified within each of 4-potential lots located in the front portion of the parcel along Carding Machine Road (yet to be officially divided), and approximate locations are shown on the attached sketch plan. Soil borings were flagged in the field using pink survey tape and labeled B-1 - B-8 (locations were not survey or GPS located at this time).

These "passing" soil borings are composed of soils originating primarily in glacial till (fine sandy loam over ledge in many cases) and lacustrine sediments (fine sandy loam over firm silt loam). Limiting factors ranged from 11-inches to 22-inches (seasonal high water-table and/or ledge). All areas examined are sufficient in size for a typical wastewater disposal system for a residential home. A conventional stone bed disposal field for a 3-bedroom home on the glacial till type soils would be approximately 20-foot X 45-foot (3-bedroom in areas of lacustrine soil would be approximately 20-foot X 60-foot). A smaller footprint may be achieved with the use of proprietary devices such as Eljen In-Drains (i.e.: 3-bdrm disposal field using Eljen In-Drains would be approximately 11-foot x 28-foot or 15-foot X 28-foot, depending on soil type).

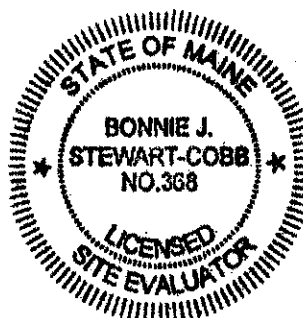
It is important to note that there is a man-made pond along the southern property line which requires a minimum 50-foot setback and an existing cemetery which requires a minimum 25-foot setback for any proposed subsurface wastewater disposal field.

Attached you will find a sketch plan showing the approximate locations of the soil explorations and their corresponding soil logs. Please feel free to contact me with any questions regarding the soils on this site.

Sincerely,

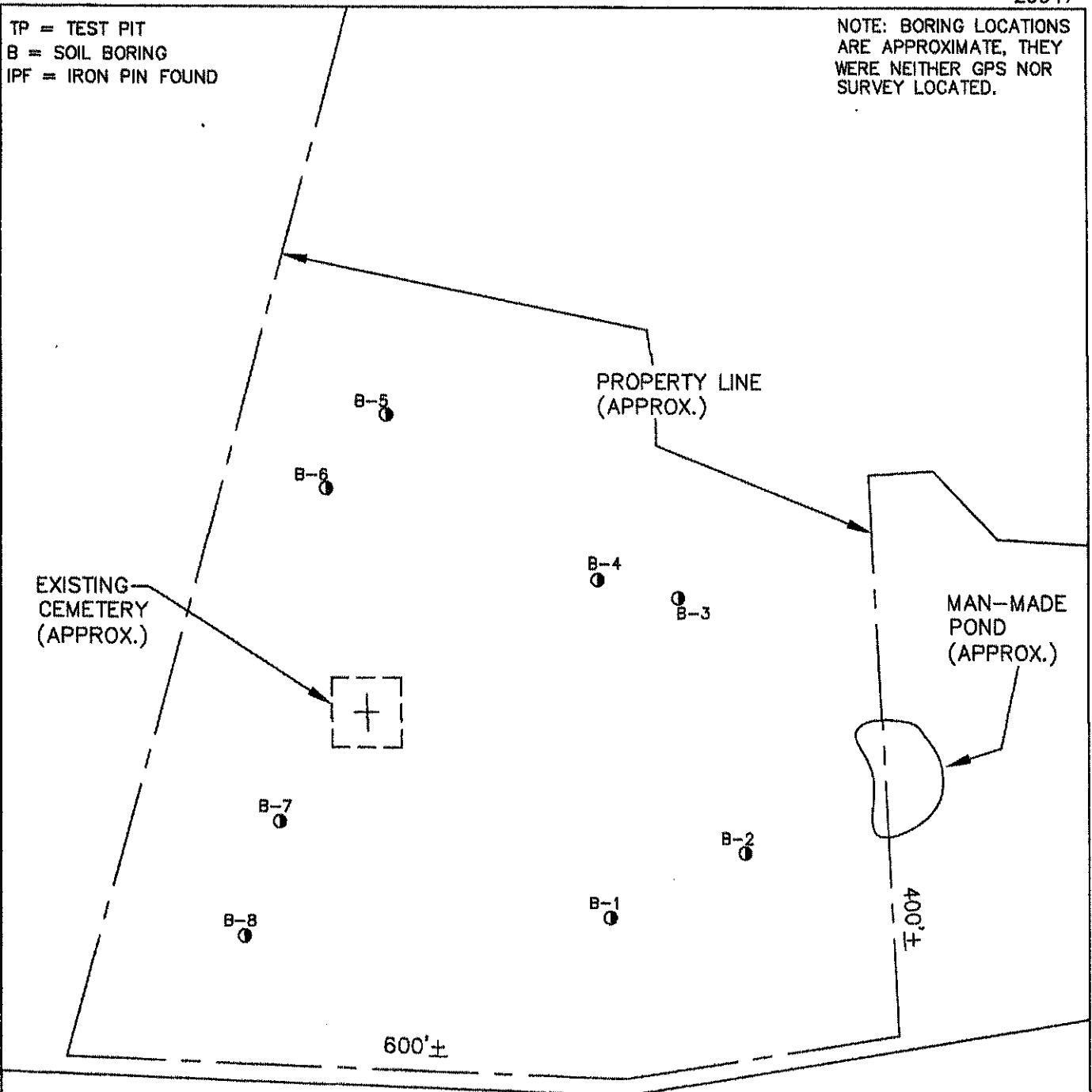


STEWART'S SOIL & SEPTIC
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TP = TEST PIT
B = SOIL BORING
IPF = IRON PIN FOUND

NOTE: BORING LOCATIONS
ARE APPROXIMATE, THEY
WERE NEITHER GPS NOR
SURVEY LOCATED.



CARDING MACHINE ROAD

#112
CARDING MACHINE RD.
(APPROX.)



PRELIMINARY SKETCH PLAN

SITE LOCATION: CARDING MACHINE RD.
(ACROSS FROM #112) BOWDOINHAM, ME

FOR: GILBERT PLOURDE
5 ERIC'S LN., BOWDOIN 04287

PREPARED BY: STEWART'S SOIL & SEPTIC
BONNIE J.S. COBB, SE #368

SCALE: 1" = 100'

DATE 6/8/2026

JOB #26047

Project Name: **Garding Machine Rd. (across from #112)** Applicant Name: **Gilbert Plourde** Project Location (municipality): **Bowdoinham**

SOIL DESCRIPTION AND CLASSIFICATION

Exploration Symbol: **B-1** Test Pit Boring

1.2" Depth of Organic Horizon Above Mineral Soil

0			
1			
2	FINE	FRIABLE	BROWN
3	SANDY		
4	LOAM		
6			
7			
8			
9		YELLOWISH	
10		BROWN	
12			
14			
16		LT. OLIVE	COMMON &
18		BROWN	DISTINCT
20			
22		SW.FIRM	
24		LT. OLIVE	
26		GRAY	
30			
32		LEDGE @ 28"	
34			
36			
38			
40			

hydro non-hydric Slope % **0-3** Limiting factor **14"** ground water restrictive layer bedrock

Soil Series / phase name: **D/AIL** Drainage Class **D/AIL** Hydrologic Group **A**

Soil Classification: **3** Profile **D/AIL** Drainage Class **D** Design Class **A**

SOIL DESCRIPTION AND CLASSIFICATION

Exploration Symbol: **B-3** Test Pit Boring

1.2" Depth of Organic Horizon Above Mineral Soil

0			
1			
2	FINE	FRIABLE	BROWN
3	SANDY		
4	LOAM		
6			
7			
8			
9		YELLOWISH	
10		BROWN	
12			
14			
16		LIGHT	COMMON &
18		OLIVE	DISTINCT
20		BROWN	
22			
24			
26			
28		LEDGE @ 26"	
30			
32			
34			
36			
38			
40			

hydro non-hydric Slope % **0-3** Limiting factor **12"** ground water restrictive layer bedrock

Soil Series / phase name: **D/AIL** Drainage Class **D/AIL** Hydrologic Group **A**

Soil Classification: **2** Profile **D/AIL** Drainage Class **D** Design Class **A**

SOIL DESCRIPTION AND CLASSIFICATION

Exploration Symbol: **B-2** Test Pit Boring

1.2" Depth of Organic Horizon Above Mineral Soil

0			
1			
2	FINE	FRIABLE	BROWN
3	SANDY		
4	LOAM		
6			
7			
8			
9			
10			
11			
12			
14		LT. OLIVE	COMMON &
16		BROWN	DISTINCT
18			
20		SCHEWHA	GRAY
22		FIRM	
24			
26			
28			
30			
32			
34			
36			
38			
40			

hydro non-hydric Slope % **0-3** Limiting factor **11"** ground water restrictive layer bedrock

Soil Series / phase name: **D** Drainage Class **D** Hydrologic Group **A**

Soil Classification: **3** Profile **D** Drainage Class **D** Design Class **A**

SOIL DESCRIPTION AND CLASSIFICATION

Exploration Symbol: **B-4** Test Pit Boring

1.2" Depth of Organic Horizon Above Mineral Soil

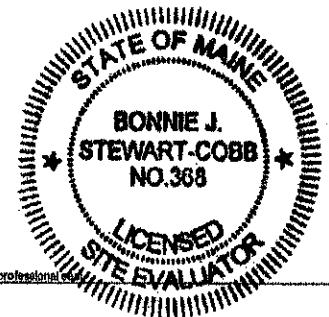
0			
1			
2	FINE	FRIABLE	BROWN
3	SANDY		
4	LOAM		
6			
7			
8			
9			
10			
12			
14			
16		LT.OLIVE	COMMON &
18		BROWN	DISTINCT
20			
22			
24			
26		LEDGE @ 20"	
28			
30			
32			
34			
36			
38			
40			

hydro non-hydric Slope % **3-8** Limiting factor **12"** ground water restrictive layer bedrock

Soil Series / phase name: **D/AIL** Drainage Class **D/AIL** Hydrologic Group **A**

Soil Classification: **2** Profile **D/AIL** Drainage Class **D** Design Class **A**

O.S.S. signature: _____ Date: _____
 name printed/typed: _____ Lic.#: _____
 L.S.S. signature: *Bonnie J. Cobb* Date: **8/8/26**
 name printed/typed: **Bonnie J.S. Cobb** Lic.#: **368**



Project Name: **Carding Machine Rd. (across from #112)** Applicant Name: **Gilbert Plourde** Project Location (municipality): **Bowdoinham**

SOIL DESCRIPTION AND CLASSIFICATION			
Exploration Symbol:	B-5		Test Pit <input type="checkbox"/> Boring <input checked="" type="checkbox"/>
1-2.1 Depth of Organic Horizons Above Mineral Soil			
0			
1			
2	FINE	FRIABLE	BROWN
3	SANDY		
4	LOAM		
6			
7			
8			
9			
10			
12			
14			
16			
18			
20		L.O.B.	COMMON & DISTINCT
22		GRAY	
24			
26			
28			
30		LEDGE @ 24"	
32			
34			
36			
38			
40			

hydro non-hydro Slope % D-3 Limiting factor 24" ground water restrictive layer bedrock

Soil Series / phase name: _____ Drainage Class _____ Hydrologic Group _____

Soil Classification: 2 Profile C/AH Drainage Class _____ Design Class _____

SOIL DESCRIPTION AND CLASSIFICATION			
Exploration Symbol:	B-7		Test Pit <input type="checkbox"/> Boring <input checked="" type="checkbox"/>
1-2.1 Depth of Organic Horizons Above Mineral Soil			
0			
1			
2	FINE	FRIABLE	BROWN
3	SANDY		
4	LOAM		
6			
7			
8			
9			
10			
12			
14			
16			
18			
20	SILTY FINE SANDY LOAM	SOMEWHAT FIRM	GRAY COMMON & DISTINCT
22			
24			
26			
28			
30			
32			
34			
36			
38			
40			

hydro non-hydro Slope % 3-8 Limiting factor 14" ground water restrictive layer bedrock

Soil Series / phase name: _____ Drainage Class _____ Hydrologic Group _____

Soil Classification: 3(8) Profile D/AH Drainage Class _____ Design Class _____

SOIL DESCRIPTION AND CLASSIFICATION			
Exploration Symbol:	B-6		Test Pit <input type="checkbox"/> Boring <input checked="" type="checkbox"/>
1-2.1 Depth of Organic Horizons Above Mineral Soil			
0			
1			
2	FINE	FRIABLE	BROWN
3	SANDY		
4	LOAM		
6			
7			
8			
9			
10			
12			
14			
16			
18			
20		L.O.B.	COMMON & DISTINCT
22			
24			
26			
28			
30			
32			
34			
36			
38			
40			

hydro non-hydro Slope % 3-8 Limiting factor 15" ground water restrictive layer bedrock

Soil Series / phase name: _____ Drainage Class _____ Hydrologic Group _____

Soil Classification: B Profile C Drainage Class _____ Design Class _____

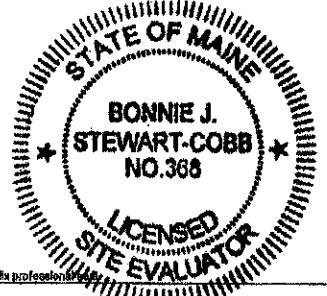
SOIL DESCRIPTION AND CLASSIFICATION			
Exploration Symbol:	B-8		Test Pit <input type="checkbox"/> Boring <input checked="" type="checkbox"/>
1-2.1 Depth of Organic Horizons Above Mineral Soil			
0			
1			
2	FINE	FRIABLE	BROWN
3	SANDY		
4	LOAM		
6			
7			
8			
9			
10			
12			
14			
16			
18			
20	GRAVELLY FINE SANDY LOAM	SOMEWHAT FIRM	GRAY COMMON & DISTINCT
22			
24			
26			
28			
30			
32			
34			
36			
38			
40			

hydro non-hydro Slope % 3-8 Limiting factor 22" ground water restrictive layer bedrock

Soil Series / phase name: _____ Drainage Class _____ Hydrologic Group _____

Soil Classification: 3 Profile C/AH Drainage Class _____ Design Class _____

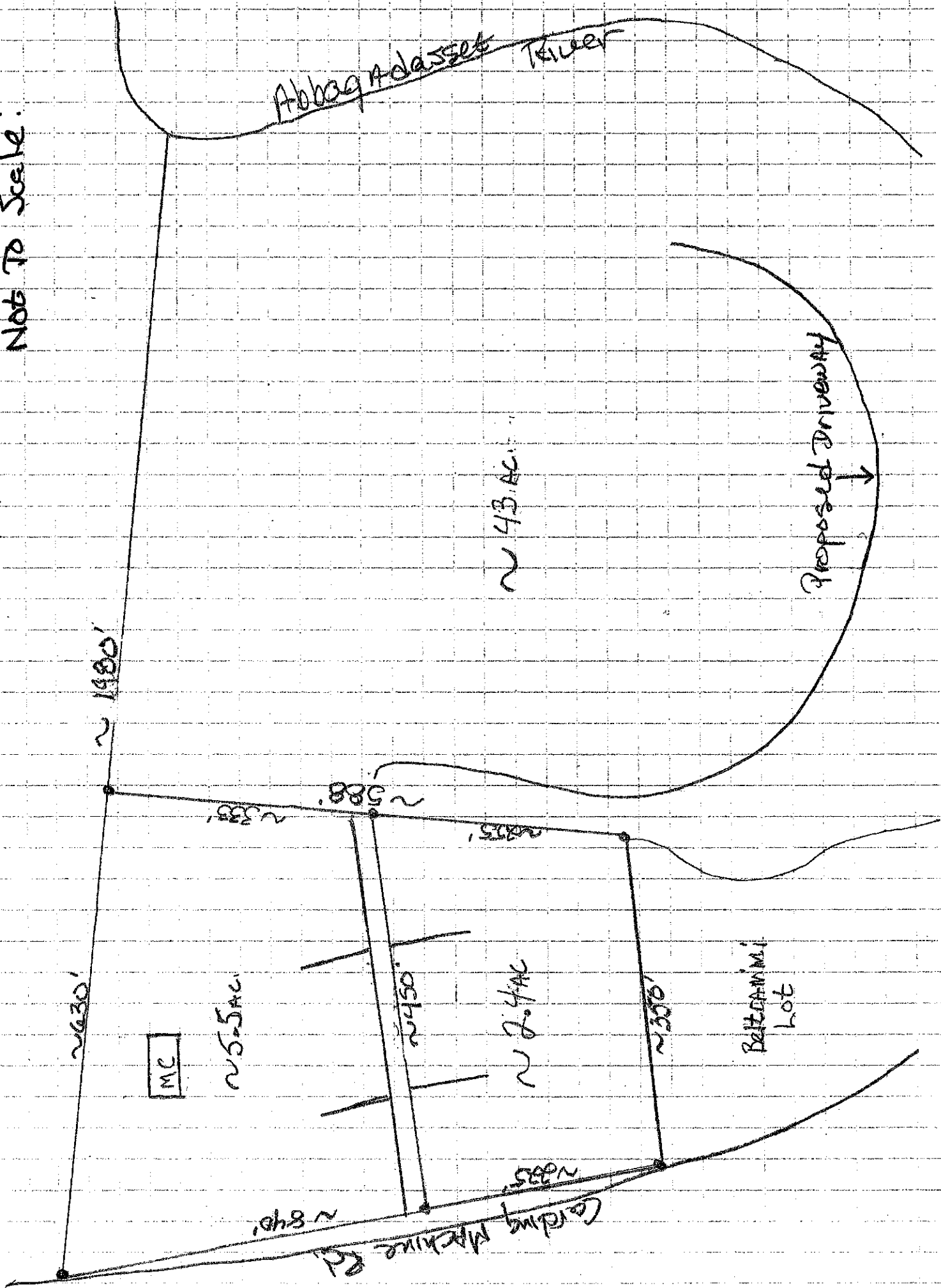
C.S.S. signature: _____ Date: _____
 name printed/typed: _____ Lic.#: _____
 L.S.E. signature: *Bonnie J.S. Cobb* Date: 6/8/26
 name printed/typed: **Bonnie J.S. Cobb** Lic.#: 368



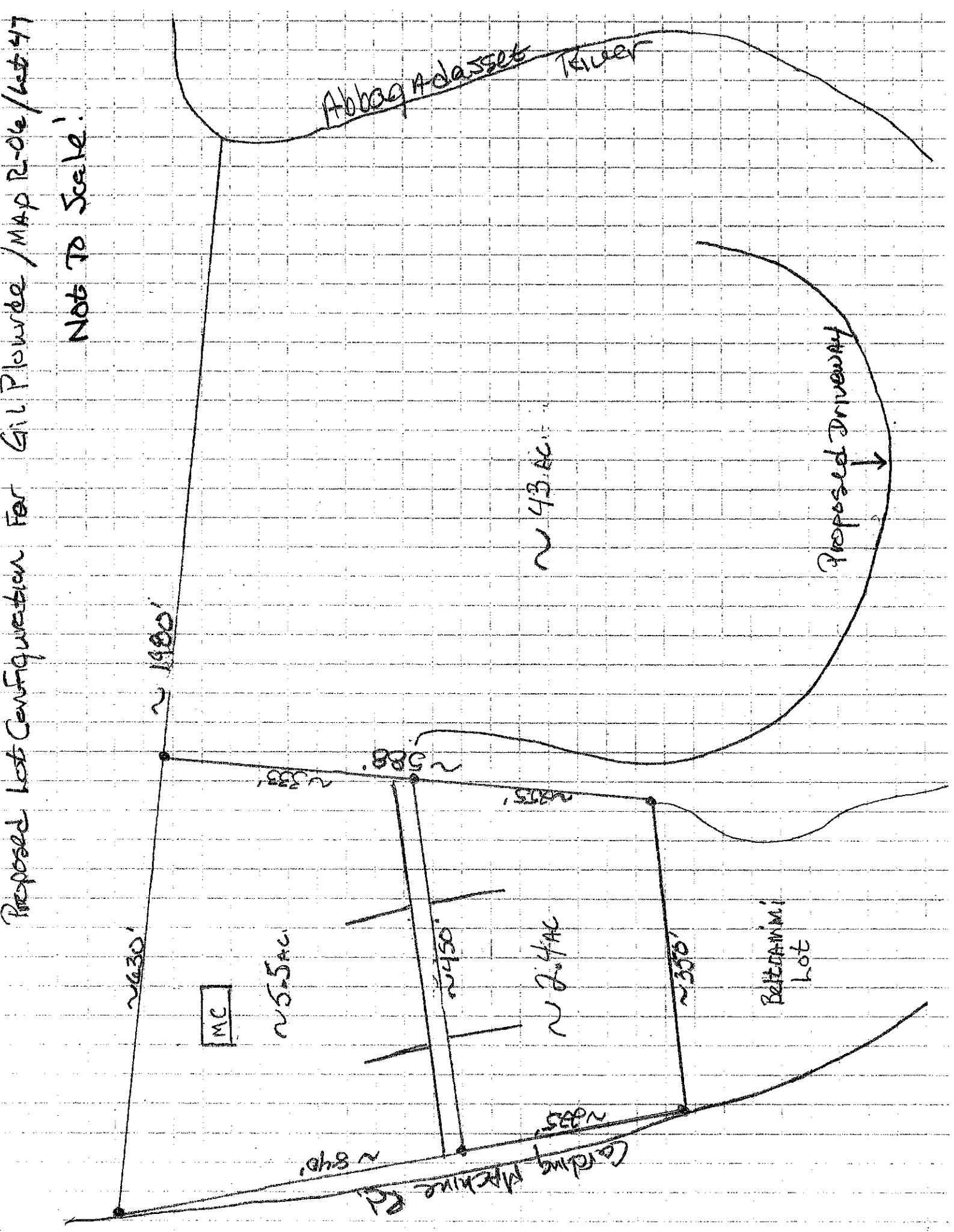
Proposed Lot Configuration For Gill Plowde / MAP R-06 / Lot 47

Not To Scale!

Abogadasset River



Proposed Lot Configuration For Gil Plowde / MAP R-06 / Lot 477
Not To Scale!



Abbaq Adasses River

Proposed Driveway

MC

25.5 AC

150'

2.4 AC

Beltrami Lot

Carding Machine Rd

~43.6 AC

~630'

~1900'

~580'

~585'

~585'

~350'

~840'

~835'