

SOIL INVESTIGATION REPORT

FOR ON-SITE SEWAGE MANAGEMENT SYSTEM

— LEVEL FOUR —

Client: Phillip Turk and Kelly Cooke
Client's Address:

SUBJECT PROPERTY

County: Columbia

Location: 969 Halali Farm Rd

[Tax map parcel 065 020F]

Description: open field and woods; gently sloping to sloping; 1.18 acre lot.

Date of Field Evaluation: Level-3, March 11, 2021; Level-4, March 25, 2021.

Soils Mapped By: R. Joslyn.

ESTIMATED SOIL PROPERTIES

SOIL SERIES	SLOPE (%)	DEPTH to BEDROCK (in.)	DEPTH to SEASONAL HIGH WATERTABLE (in.)	RECOMMENDED TRENCH DEPTH (in.)	ABSORPTION RATE at RECOMMENDED TRENCH DEPTH (min./in.)	SUITABILITY CODE
	M	M	P		P	
Helena	2-15	>72	18-24	NR	SEE CODES	H

Soil descriptions available upon request.

M = Measured

P = Predicted

NR = Not Recommended

This soil report reflects soil conditions at the time of evaluation and is null and void if drainfield area is cut or filled after this date. This report does not infer a guarantee of performance for any installed septic system.

HEALTH DEPT. SUITABILITY CODES (TABLE CT-1, *Ga. Manual for On-Site Sewage Systems*, Jan 2016):

H. [IREDELL] Seasonal wetness, due to plastic, impermeable clayey subsoil, makes areas of these soils unsuitable for conventional drainfield designs. However, alternative designs incorporating aerobic pretreatment and drip-irrigation disposal fields can make these soils useable.

ESTIMATED HYDROLOGIC PROPERTIES

SOIL SERIES	HORIZON	DEPTH (in.)	TEXTURE (USDA)	COLOR (matrix)	COLORS (mottles)	MAXIMUM HYDRAULIC LOADING RATE ¹
HELENA	Ap	0-8	SL	10YR 3/2		0.30
	Bt1	8-18	C	10YR 5/6		0.05
	Bt2	18-60	CL	10YR 5/8	10YR 6/2	0.15

NOTES:

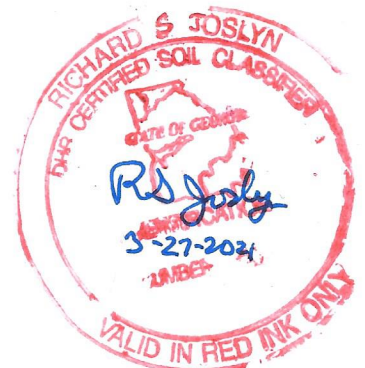
1. gpd/ft². For use with pressurized drip-emitter system design, ONLY.

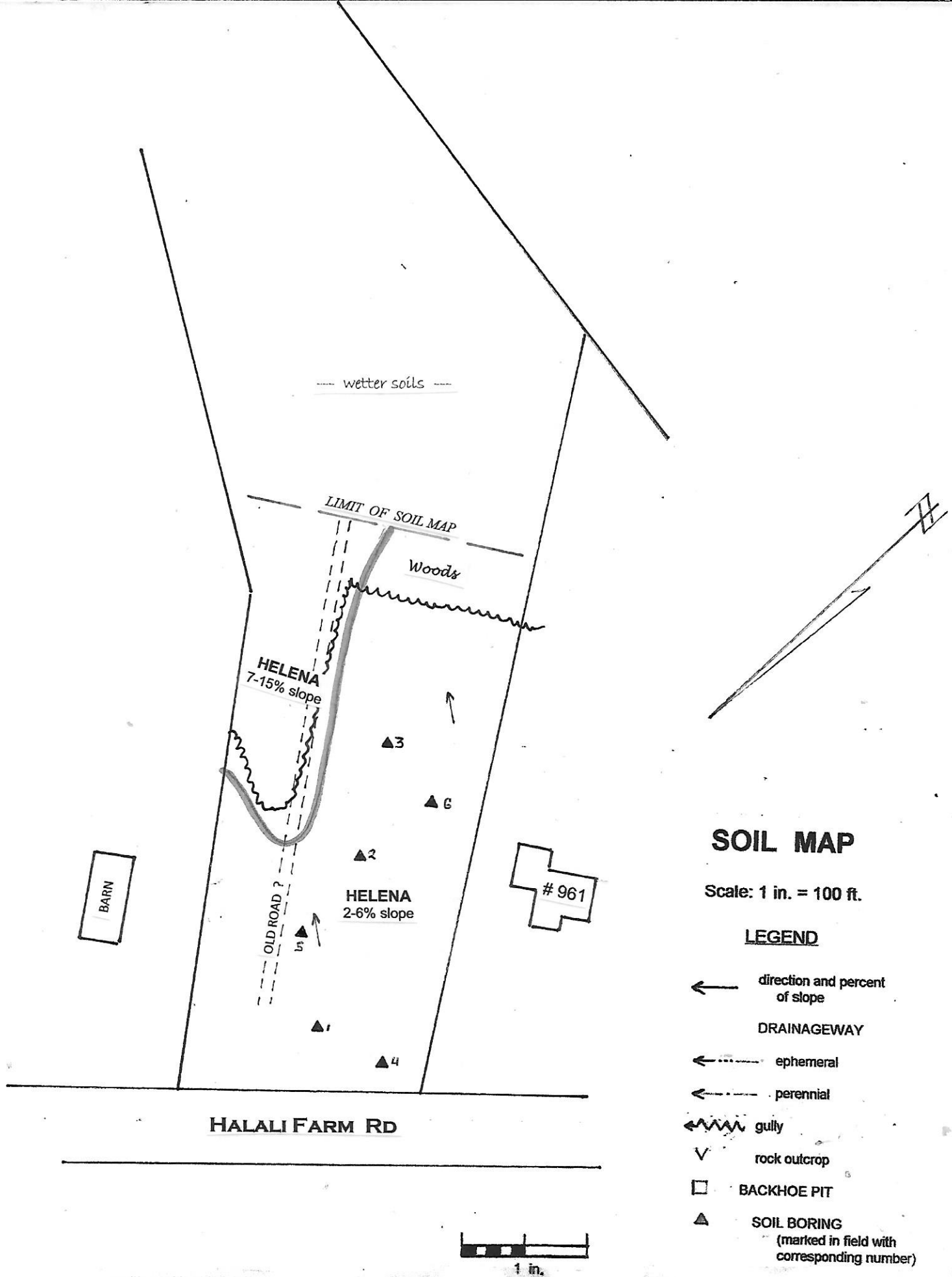
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Soil boring locations illustrated on the soil map were located using a *Garmin GPS60*.