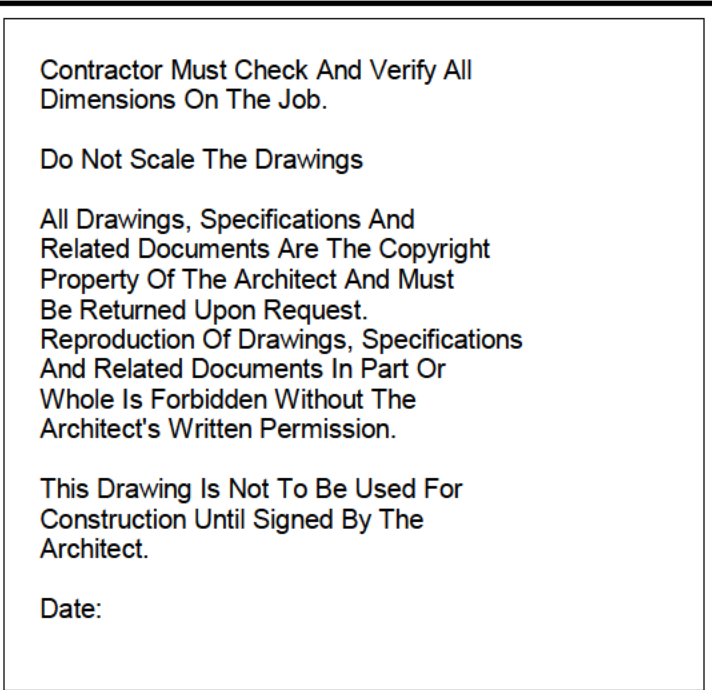


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FOR COORDINATION ONLY

No.	REVISION / ISSUE	Date
		

Client:

WAYNE LONG
ARCHITECT

24 Brant Road North
Tel: (416) 904-8873

Cambridge, ON N1S 2W1
✉ wlong@longarchitect.com

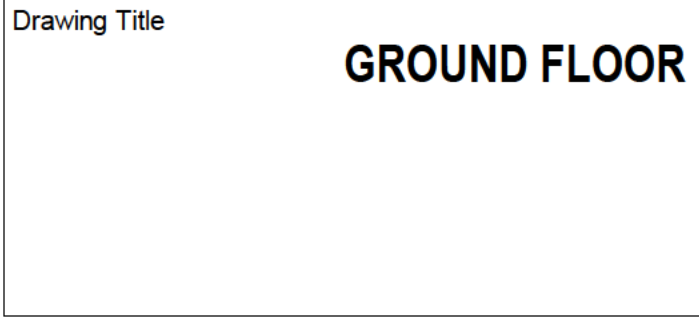
Project

183 Sutacriti St, Kemble, ON N0H 1S0

Enter address here

Drawing Title

GROUND FLOOR

A large empty rectangular box with a thin black border, intended for the ground floor drawing. It occupies the majority of the page area below the title and above the footer.

Drawn by Author	Checked by Checker	A0-02
Scale	Date Issue Date	
Project no.	Project Number	

21:07 DATE 2025-11-08 1:17:31 PM C:\Users\NagarRaj\OneDrive - Nabil Corporation\Desktop\183_Site\24-02-00_80 Harbour rd - Phase 1 of



Contractor Must Check And Verify All Dimensions On The Job.

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Project 183 Sutacriti St, Kemble, ON N0H 1S0 Enter address here		
Drawing Title GROUND MEZZANINE PLAN		
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Scale	Date	
Project no.	Issue Date	
Project Number		

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A 3D View 3

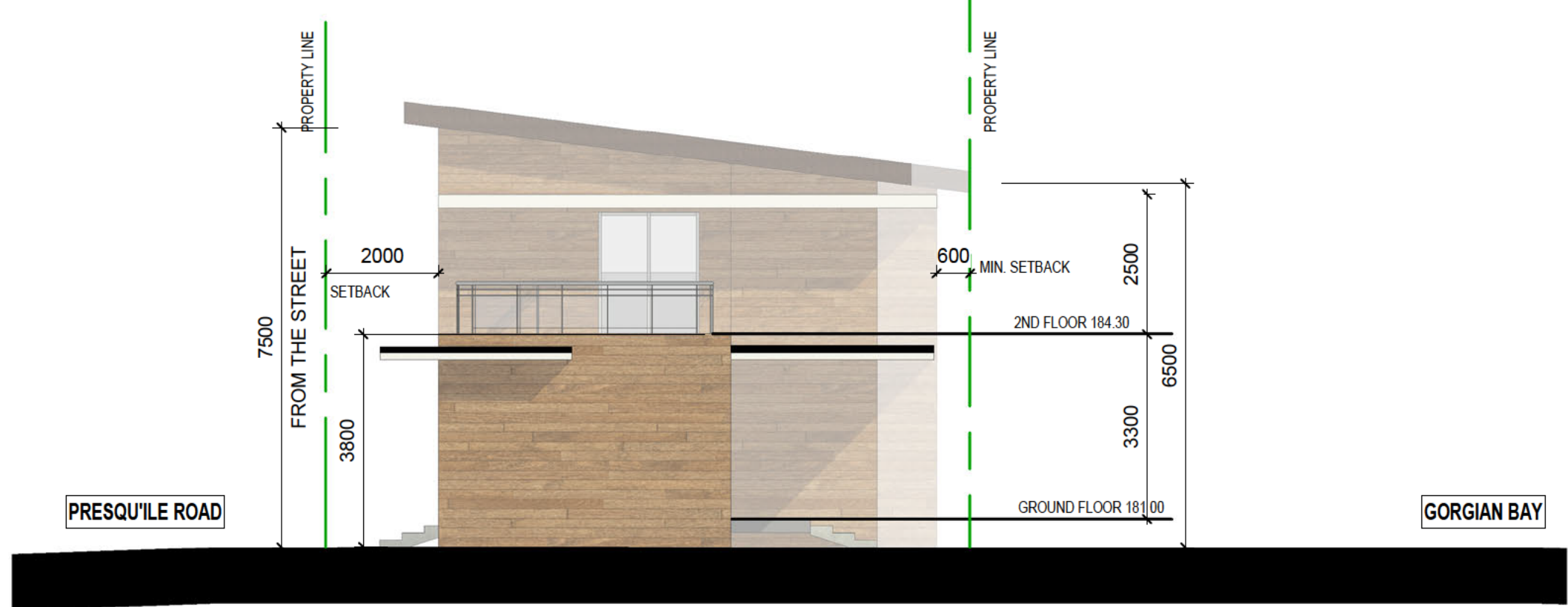
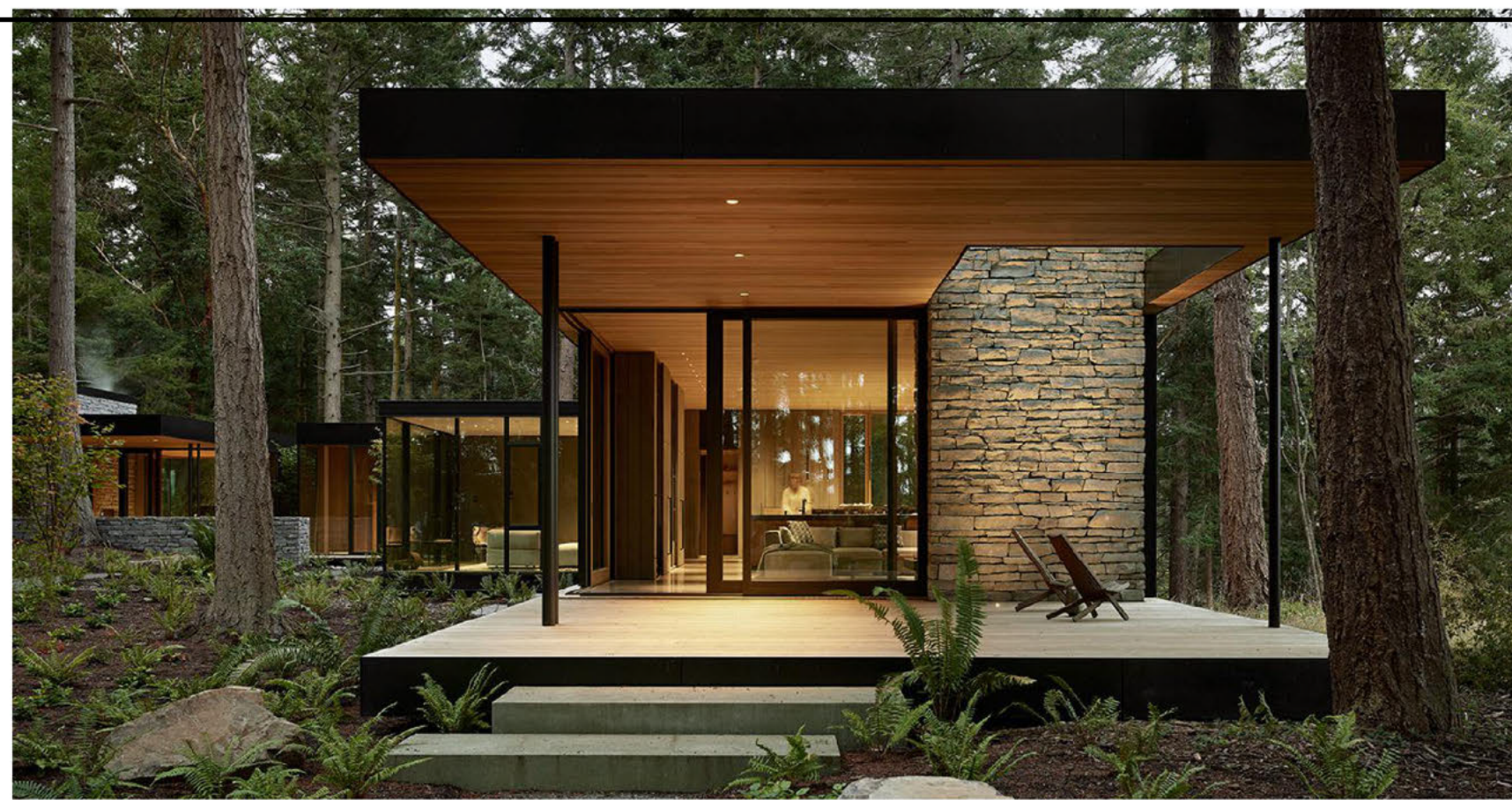


1 Elevation 1 - a - MAIN ELEVATION -PRESQU'ILE ROAD
1 : 100

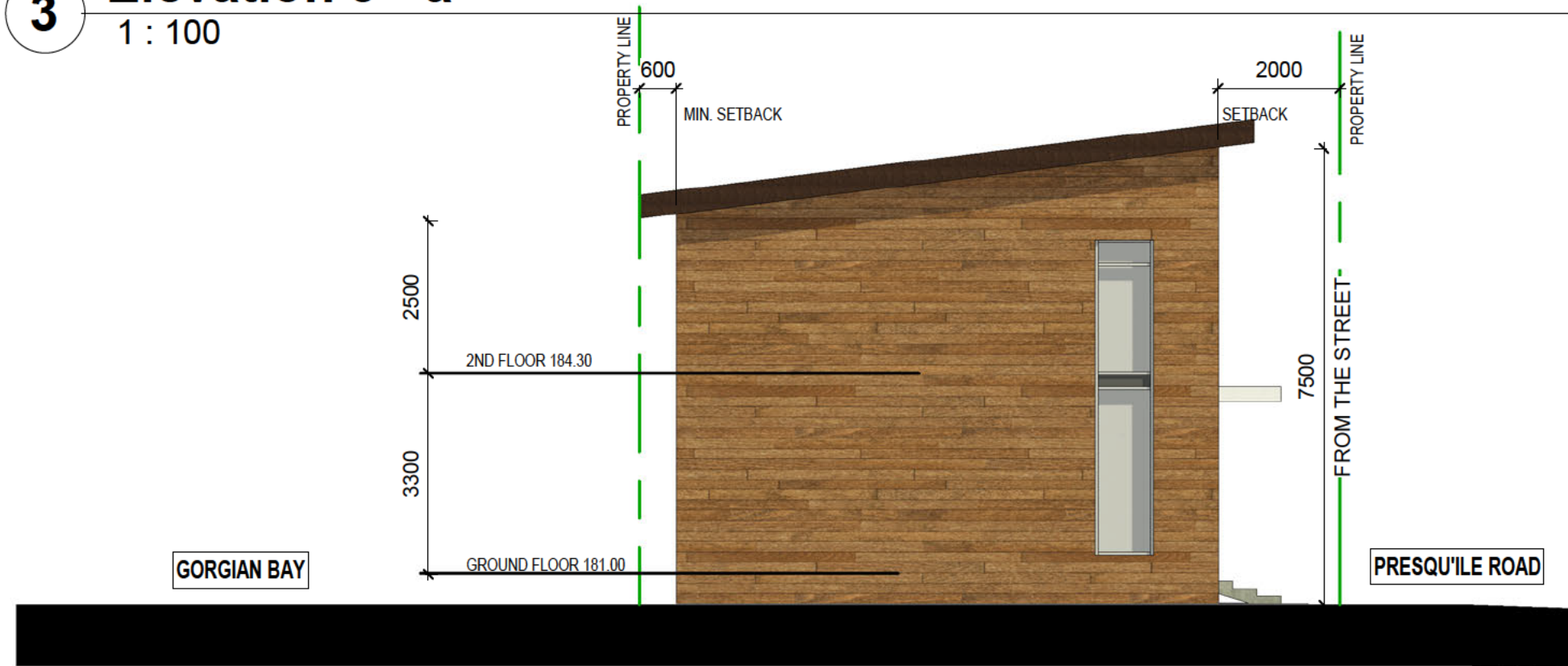


2 Elevation 2 - a - REAR ELEVATION- FACE THE GORGIAN BAY
1 : 100

3D CONCEPTUAL MASSING
1 : 100



3 Elevation 3 - a
1 : 100



4 Elevation 4 - a
1 : 100

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ELEVATION - SECTION

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AO-04



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Drawing Title
3d RENDERING

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Project no.	Project Number

AO-06

Sewage System Design Only

Preliminary For Discussion

Refer to Owner's grading plan for detailed overall site grading, except for the grading in the area of the septic system, as detailed herein.

Note:

- All services including sewer, water, hydro, cable, telephone, and gas should be staked out prior to construction and appropriate pre-cautions taken to protect the existing services.
- Soil and groundwater conditions may be variable across the site. If soil and underground water conditions, other than those used to prepare this design, are encountered during the installation, Gunnell Engineering Ltd. should be contacted to determine the effect on the proposed sewage system.
- Contractor to verify location of neighbouring wells, if any, prior to septic system installation. Any conflict between wells and septic system, i.e. less than 30 metre clearance, should be discussed with Gunnell Engineering Ltd. prior to septic system installation.

All distribution piping to be a minimum of:

- 16.6m from drilled wells
- 31.6m from dug wells
- 4.6m from property lines
- 6.6m from residence

Top of septic field raised 0.8m above existing grades. Therefore increase setbacks to distribution piping by 1.6m.

Notes:

- All landscaped areas to be reinstated with 150mm topsoil and sod or seed, except septic field & to be provided with 200 / 300mm of topsoil & be sodded.
- Existing elevations as noted, ie. 221.84
- Proposed swale elevations as noted, ie. (221.95)
- Proposed elevations as noted, ie. 220.40
- Existing slopes shown, ie. (2.2%)
- Maintain maximum slopes at 3 horizontal to 1 vertical, except slopes to be maximum 4:1 at septic field.
- Provide new swales as detailed.
- All site grading to be in accordance with OBC & Township of Georgian Bluffs requirements.

Sewage System Details: Class IV Eljen GSF Sewage System Ontario Building Code Compliance Analysis

Proposed Residence = 198.0 m² (2,131.25 ft²): 2 bedrooms + 2 washrooms

Base Sewage Flow = 1,100 litres / day (based on 2 bedrooms)

Fixture Units = 2 washroom groups x 6 = 12 + 1.5 (1 kitchen sink x 1.5) + 1.5 (1 dishwasher x 1.5) + 1.5 (1 extra sink x 1.5) = 16.5

Additional Sewage Flows:

- No. Fixture Units (above 20) = 0 x 50 L = 0 L/Day
- House Size >200m²: (each 10m² from 201m² to 400m²) = 0 x 100 L = 0 L/Day
- No. Bedrooms (over 5) = 0 x 500 L = 0 L/Day

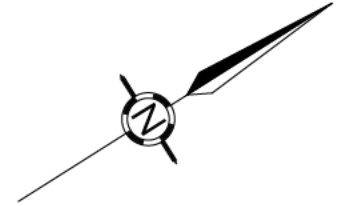
Q = 1,100 litres / day : Daily Design Sewage Flow

Soil Percolation: T = 50 min/cm. Test pit investigation carried out by Gunnell Engineering Ltd. on November 27, 2024 identified Clay soils. Refer to this drawing for Test Pit Soil Profile

Septic Tank Size: Min. 2 x Q = 2 x 1,100 L = 2,200 L. Provide Min. 3,600 L (900 gal.) two-compartment septic tank, with gravity-flow to Eljen Absorption Bed.

Tertiary Treatment System - Eljen Geotextile Sand Filter c/w A42 Modules (each module rated to 95 L/day). Refer to BMEC Authorization No. 20-03-395, dated October 28, 2020. No. of Eljen GSF A42 modules: Q / 95 = 1,100 L / 95 = 11.6
Provide 12 modules (2 rows x 6 modules per row).

Eljen Absorption Bed (Based on Q = 1,100 L/day & T = 50 min/cm):
1) Sand Contact Area = Q x T / 400 = 1,100 x 50 / 400 = 137.5 m².
Provide (9.2m x 15.3m x irregular) 154.0m²

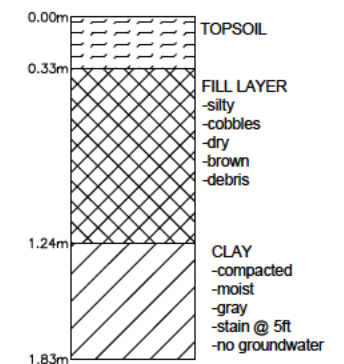


LEGEND

- Septic Test Pit
- Trees to be removed

Draft

Test Pit Soil Profile

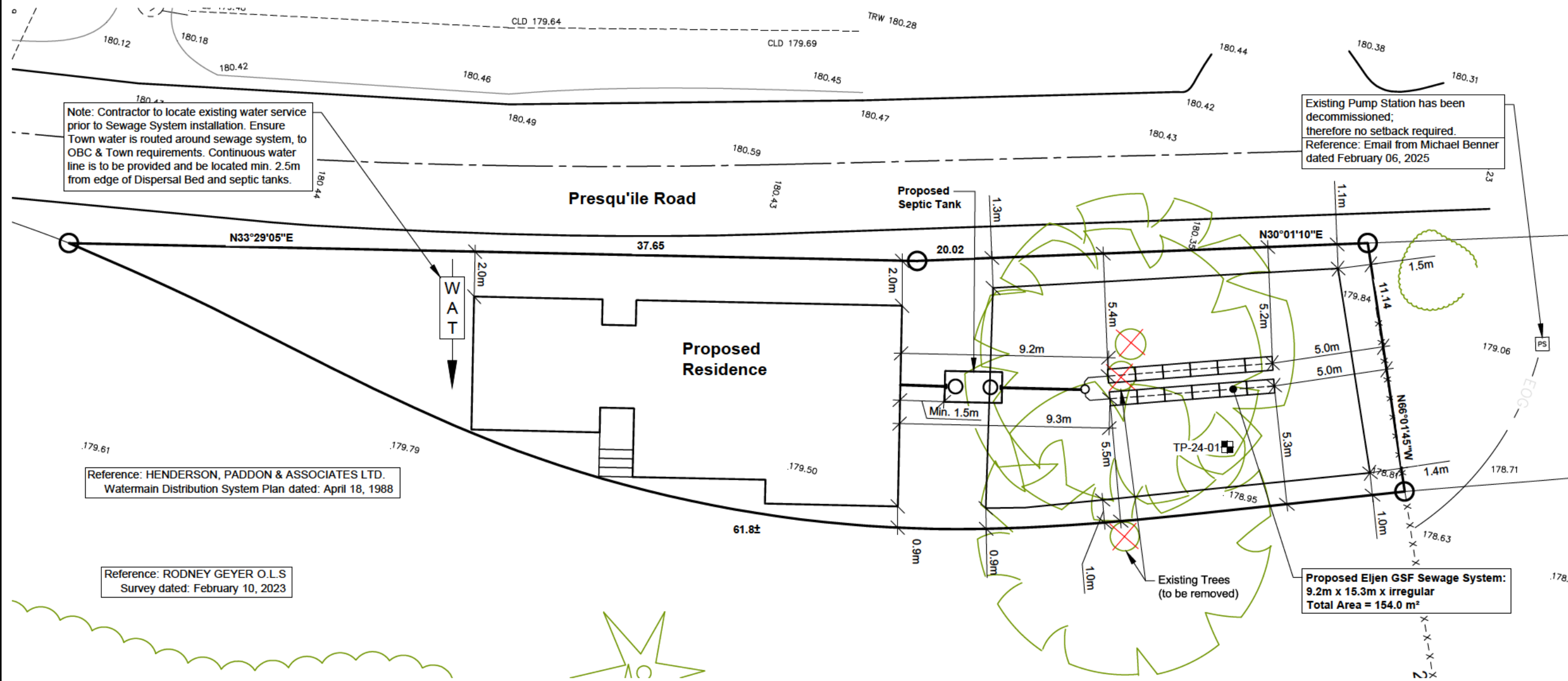


Septic Test Pit TP-24-01
Dug on Nov 27, 2024

Proposed Residence
183 Sutacriti Street,
Kemble, Township of
Georgian Bluffs

Part Site Plan & Sewage System Layout

Scale: 1:200	Designed By: SG
Date: 06-FEB-2025	Drawn By: SG
Project No.: D3804	Checked By: EG
	Drawing No.: SP-1



Note: Contractor to locate existing water service prior to Sewage System installation. Ensure Town water is routed around sewage system, to OBC & Town requirements. Continuous water line is to be provided and be located min. 2.5m from edge of Dispersal Bed and septic tanks.

Existing Pump Station has been decommissioned; therefore no setback required. Reference: Email from Michael Benner dated February 06, 2025

Reference: HENDERSON, PADDON & ASSOCIATES LTD.
Watermain Distribution System Plan dated: April 18, 1988

Reference: RODNEY GEYER O.L.S
Survey dated: February 10, 2023