

PHASE 1 SOIL & SITE EVALUATION

TIP R-5705A

Parcel 062

PIN: 0683-01-1134.000
584 Ennis RD
Angier, NC
Ground Truth Job # 21-147

Prepared For:

Professional Property Services, Inc.
18335 Old Statesville Road, Unit A
Cornelius, NC 28031

Prepared By:



Ground Truth Soil Consulting, PLLC
1302 Roberts Road
Newport, NC 28570
(252) 725-1320

June 4, 2021

John C. Roberts



INTRODUCTION

Ground Truth Soil Consulting, PLLC (Ground Truth) was employed to complete a Phase 1 Soil & Site Evaluation to determine potential impacts to existing septic system components within Parcel 062 located at 584 Ennis RD in Angier, NC (PIN: 0683-01-1134.000). Potential impacts include encroaching Right of Way (ROW) and easements on existing septic systems from the NCDOT R-5705A. The property was evaluated in accordance with North Carolina statutes for waste disposal (“Laws and Rules for Sewage Treatment and Disposal Systems”, amended December 6, 2018”).

Parcel 062 consists of a three-bedroom single-family residence. A septic permit was not on file with Harnett County Environmental Health (HCEH). An existing well was observed on the property. County water is currently used for the home.

INVESTIGATION METHODOLOGY

The field survey was conducted in May 2021 by John C. Roberts, LSS. A ground-penetrating radar (GPR), hand turned augers, and push probes were used to attempt to locate buried septic system components. The limits of easements and ROW were staked. Property lines and corners were not visibly marked on the day of the investigation.

RESULTS

The septic tank was located and shown in Figure 1. The septic drainfield could not be located. It is anticipated the drainfield is in front of the home.

Soil borings were advanced within areas outside of the proposed highway improvements. Soil borings were rated as Provisionally Suitable for Conventional Systems. An area was identified that appeared adequate to support relocation of the existing system and provide repair area.

CONCLUSIONS

The septic tank, and very likely the septic drainfield, will be impacted by proposed highway improvements. An area was identified that could potentially support relocation of the existing septic system and repair area. A Phase 2 soil evaluation is required to determine if adequate available space exists. A new house site will need to be proposed as the existing home is located within the ROW. The Phase 2 evaluation will require a new proposed home site. HCEH may require the property corners and boundary lines to be visibly marked before completing their site visit. As such, a surveyor should be consulted to determine when the corners and lines can be marked.

Soils naturally change across a landscape and contain many inclusions. As such, attempts to quantify them are not always precise and exact. Due to this inherent variability of soils and the subjectivity when determining limiting factors, there is no guarantee that a regulating authority will agree with the findings of this report.



Ground Truth Soil Consulting, PLLC

R5705A
Parcel:
062

Soil and Site Evaluation

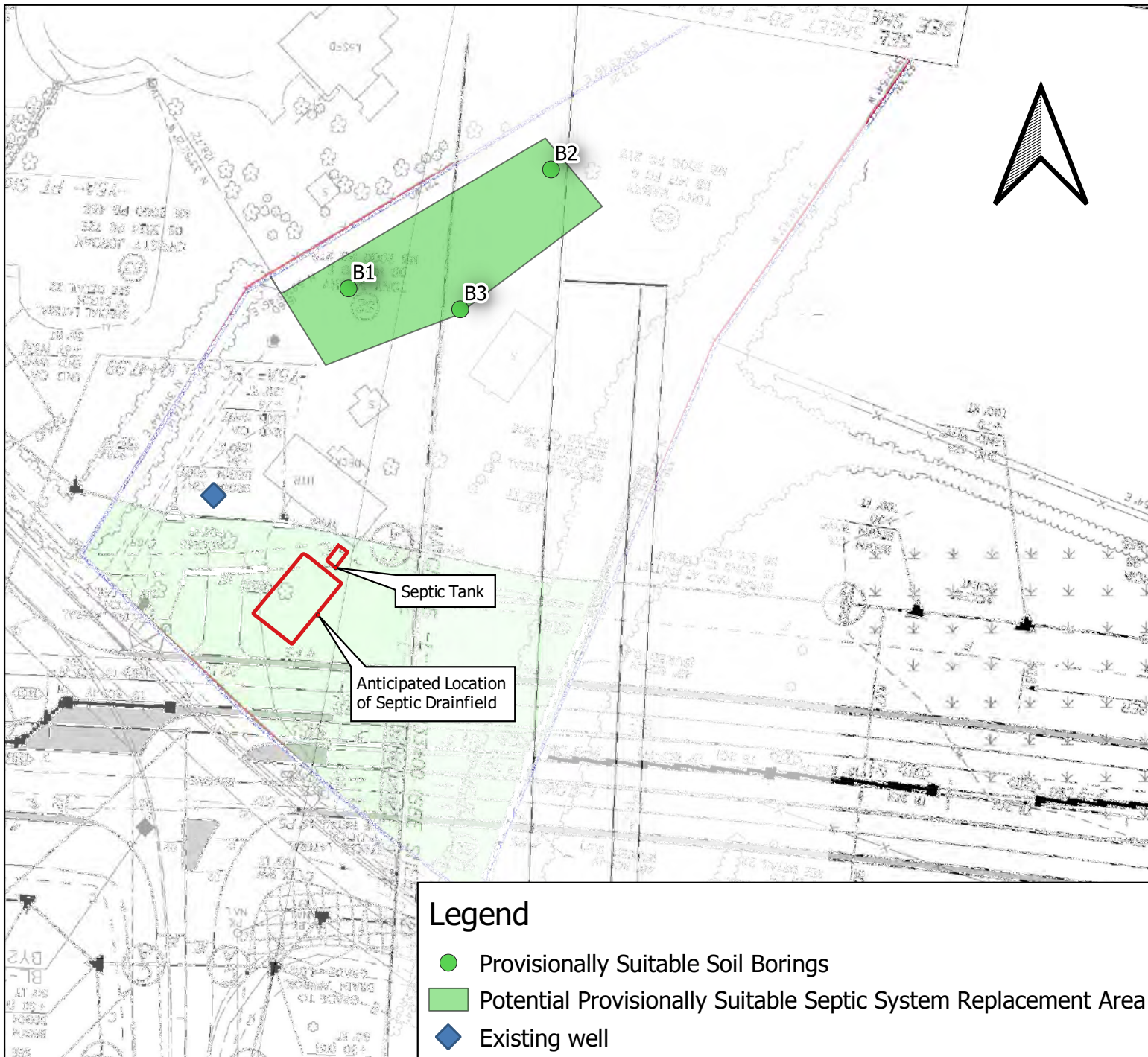
Harnett County

Scale:
0 40 80 ft

Figure
1

Date:
June 2021

GT Job
No.
21-147



Legend

- Provisionally Suitable Soil Borings
- Potential Provisionally Suitable Septic System Replacement Area
- ◆ Existing well