



**ET ENGINEERING, P.A.**  
GEOTECHNICAL & ENVIRONMENTAL ENGINEERS  
P.O. Box 477, Graham, NC 27253 (336) 516-7205

---

**PROJECT:** Brayden Reserve  
**LOCATION:** Broadway, NC

**REPORT DATE:** 6/27/2025  
**COMMENTS:**

**CONTRACTOR:** LGI

---

**STREET ADDRESS:** 135 Rider Street

**LOT NO:** 45

**PERMIT NO.:** SFD2503-0127

**COMPONENT:** Stem Wall Slab  
Bearing Capacity

---

**Summaries of Engineering Services performed, including Field Test Data.  
Location, Elevations and Depths are estimated.**

**SUMMARY:**

Arrived on site as requested by the contractor to check bearing capacity for a stem wall slab at the above referenced site. The design bearing capacity is 2000 psf. The contractor had bent #4 rebar in the front porch and interior garage foundation walls, spaced 24" on center, to tie into the house slab. The slab area was filled with NCDOT #57 stone. The stem wall house slab was probed and found to be capable of supporting an allowable soil bearing capacity of 2000 psf. This work was performed in accordance with accepted engineering practices as required by the 2018 North Carolina Residential Building Code. This area is approved for placement of 3000 psi concrete contingent upon local code official approval.

