

Date : 10/17/2024
Project No : 2024C161
Client Company : Artisan
Arrival Time : 10/17/2024
Onsite Hours :

ASEC Report ID : 71473
Name of the Project : The Georgian - Heritage Pointe - DCP's
and Geo Drilling
Project Location : Villa Rica
Weather : sunny
Departure Time : 10/17/2024
ASEC Technician Name : Russell Hendrix

As requested, the site was visited by our AS Engineering and Consulting (ASEC) representative for the purpose of providing quality control inspection and testing services. Visual observation techniques were employed to verify compliance with project drawing/specifications, applicable codes, and materials submittals. The following observations were observed on site this day:

Objective:

A request was made to evaluate the footing at Lot #53 located at Heritage Pointe, The Georgian, in Paulding County, following concerns raised by a previous engineer/technician regarding the adequacy of the existing footing.

Observations Upon Arrival:

Upon inspection, it was observed that remediation work had been initiated, consisting of the following:

- Installation of 11 piers approximately 16 inches by 16 inches by 18 inches deep.
- Installation of 3 piers approximately 24 inches by 16 inches by 18 inches deep.
- The piers were spaced approximately every 2 to 3 feet along the East side of the footing.

Several attempts to further investigate the footing conditions were made using an auger. However, auger refusal was encountered each time, limiting the depth of investigation.

Soil and Material Findings:

In the southeast corner of the lot, soil testing results showed:

- **1st Foot:** 7 hits - Tan silty sand with some clay.
- **2nd Foot:** 6 hits - Tan silty sand with some clay.

The site was found to contain numerous boulders, some exceeding 24 inches in size (refer to attached photos). Solid rock was also encountered within the footing itself (refer to attached photos), further contributing to the auger refusal.

Concerns and Limitations:

- **Boulder Fill:** Based on field observations, there is reason to suspect that the lot may have been used as boulder fill. This raises concerns about the suitability of the material and its potential impact on the foundation's stability.

Date : 10/17/2024
Project No : 2024C161
Client Company : Artisan
Arrival Time : 10/17/2024
Onsite Hours :

ASEC Report ID : 71473
Name of the Project : The Georgian - Heritage Pointe - DCP's
and Geo Drilling
Project Location : Villa Rica
Weather : sunny
Departure Time : 10/17/2024
ASEC Technician Name : Russell Hendrix

-
- **Undocumented Fill Material:** The fill material used in lifts for this lot could not be verified during the evaluation. This presents an area of concern as it is unclear whether the material meets geotechnical standards for stability.
 - **Limited Evaluation:** Due to the presence of boulders and the likelihood that the worst soil was removed during previous construction or remediation, a complete and accurate evaluation of the footing could not be achieved.

Conclusion:

The presence of large boulders, rock formations, and possible boulder fill, in combination with auger refusal, has significantly limited the ability to fully assess the integrity of the footing. Further investigation, including excavation or more advanced geotechnical testing, may be necessary to verify the composition of the fill and to ensure the long-term stability of the foundation.

Recommendations:

- Conduct a more detailed geotechnical analysis, potentially through excavation or core drilling, to verify the fill material and its suitability for support.
- Assess the need for additional remediation, particularly in areas where the footing is underlaid by boulders or solid rock.
- Monitor the stability of the existing piers to ensure they are providing adequate support over time.

Attachments:

- Photos of the site, boulders, and footing.

Date : 10/17/2024
Project No : 2024C161
Client Company : Artisan
Arrival Time : 10/17/2024
Onsite Hours :

ASEC Report ID : 71473
Name of the Project : The Georgian - Heritage Pointe - DCP's
and Geo Drilling
Project Location : Villa Rica
Weather : sunny
Departure Time : 10/17/2024
ASEC Technician Name : Russell Hendrix



Boulders on the lot



Boulders on the lot



Boulders on the lot



Boulders on the lot

Date : 10/17/2024
Project No : 2024C161
Client Company : Artisan
Arrival Time : 10/17/2024
Onsite Hours :

ASEC Report ID : 71473
Name of the Project : The Georgian - Heritage Pointe - DCP's
and Geo Drilling
Project Location : Villa Rica
Weather : sunny
Departure Time : 10/17/2024
ASEC Technician Name : Russell Hendrix



Rock in the footing



Rock in the footing



Boulder on the lot



Lot 53

Date : 10/17/2024
Project No : 2024C161
Client Company : Artisan
Arrival Time : 10/17/2024
Onsite Hours :

ASEC Report ID : 71473
Name of the Project : The Georgian - Heritage Pointe - DCP's
and Geo Drilling
Project Location : Villa Rica
Weather : sunny
Departure Time : 10/17/2024
ASEC Technician Name : Russell Hendrix



Footing with exposed rock



exposed rock in pier

Kenneth Mosman

Kenneth Mosman

The results presented in this report relate only to the items tested. This report shall not be reproduced, except in full, without written approval from AS Engineering and Consulting LLC.