

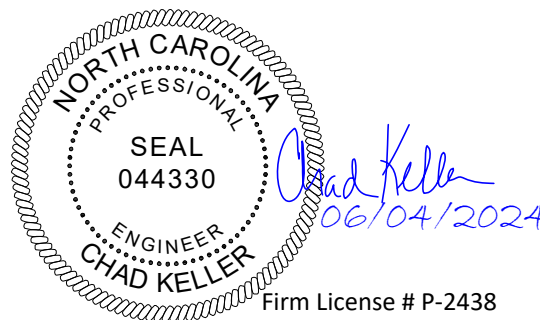
Date: June 4, 2024
Project: Mierke Residence
Address: 10705 Leslie Dr
Raleigh, NC 27615

Helical Pier Foundation Support System – Completion Report

This report is prepared for Carolina Basement Systems (contractor) by FDN Engineering (engineer). Helical piers were installed at the above referenced project. The foundation support system is intended to stabilize and potentially lift the existing foundation – reducing pressure on existing soils. The approved design instructed the contractor to install helical piers, brackets, and all related components per the support manufacturer’s installation instructions, technical manual, and according to the latest ICC-ES AC308, as well as industry standards. See approved engineering report for the design and details of the helical pier support system. See page 2 for the field logs provided by the contractor.

The installation of the supports was visually inspected by engineer; and the contractor has supplied engineer all available field data. Reference contractor’s field logs for more information. Upon review, the installed supports conform to the intent of the approved design and any installation deviations are approved with no outstanding non-compliance items.

To the best of my professional knowledge, the design of the helical pier support system conforms to the structural requirements of the 2018 North Carolina State Building Code to the extent that it applies to our scope of work.



APPENDIX G

DESIGN PROFESSIONAL INSPECTION FORM

RECORD OF THE INSPECTION OF A COMPONENT OR ELEMENT BY A NC LICENSED ARCHITECT OR ENGINEER

Project Information:

Residential Single-Family Project: Y ☒ N ☐	Commercial Project: Y ☐ N ☐
Code Enforcement Project No:	Permit No:
Project Name: Mierke Residence	Owner: David Mierke
Project Address: 10705 Leslie Dr Raleigh NC	Suite No:
Date Inspected: 6-4-2024	Contractor Name: Carolina Basement Systems
Component Inspected: Helical Pier Foundation Support System	

Responsible Licensed NC Architect or NC Engineer

Name:	Chad Keller
Firm Name:	FDN Engineering, LLC
Phone Numbers:	Office: 402-739-9642 Mobile:
Email Address:	ckeller@fdn-engr.com
Mailing Address:	2412 N 179th St, Omaha, NE. 68116

APPLICABLE CODE:

2018 NC Residential Code

2018 NCBC = 2018 NC Building Code; 2018 NCRC = 2018 NC Residential Code

Describe Element/Component/Type of Inspection: *

Helical Pier Foundation Support System

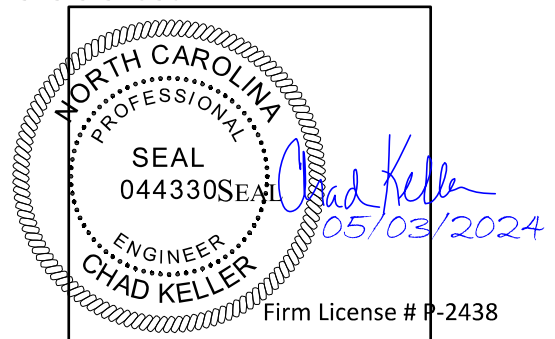
*(subgrade form/letter may also be required)

Attestation/Signature:

By signing below, I certify that the component and/or element of the building as identified on this form has been inspected by me or someone under my direct supervision per G.S. 160D-11-6 and is in compliance with the Code or other proposal of the architect or engineer for the project. This inspection is in compliance with all of the requirements of the above referenced code. Attach any additional documents if needed.

Chad Keller

Licensed Architect or Engineer



Inspection Department disclaimer:

Upon the receipt of a signed written document as required under subsection (a) of G.S. 160D-11-1, Code Enforcement shall be discharged and released from any liabilities, duties and responsibilities imposed by this article or in common law from any claim arising out of or attributed to the component or element in the construction of the building for which the signed written document was submitted. Be aware that this inspection will be noted in all inspection records including the Certificate of Occupancy or Certificate of Compliance. This inspection does not address any local ordinances or zoning requirements.



Wake County Planning, Development, & Inspections

Wake County Office Building
336 Fayetteville Street, Suite 101
PO Box 550, Raleigh, NC 27602-0550
Phone: 919-856-6222
Fax: 919-856-6229

<https://energovcitizenaccess.tylertech.com/WakeCountyNC/SelfService>

CERTIFICATE OF COMPLIANCE

PIN: 1709022925

Permit # RABS-123786-2024

Project Site: 10705 LESLIE DR RALEIGH, 27615

Description: STONE CREEK - LOT 68 - SFD - NO TRADES - Installing Helical Piers to help stabilize the existing foundation.

Project Cost: \$10,147.75

Water Supply:

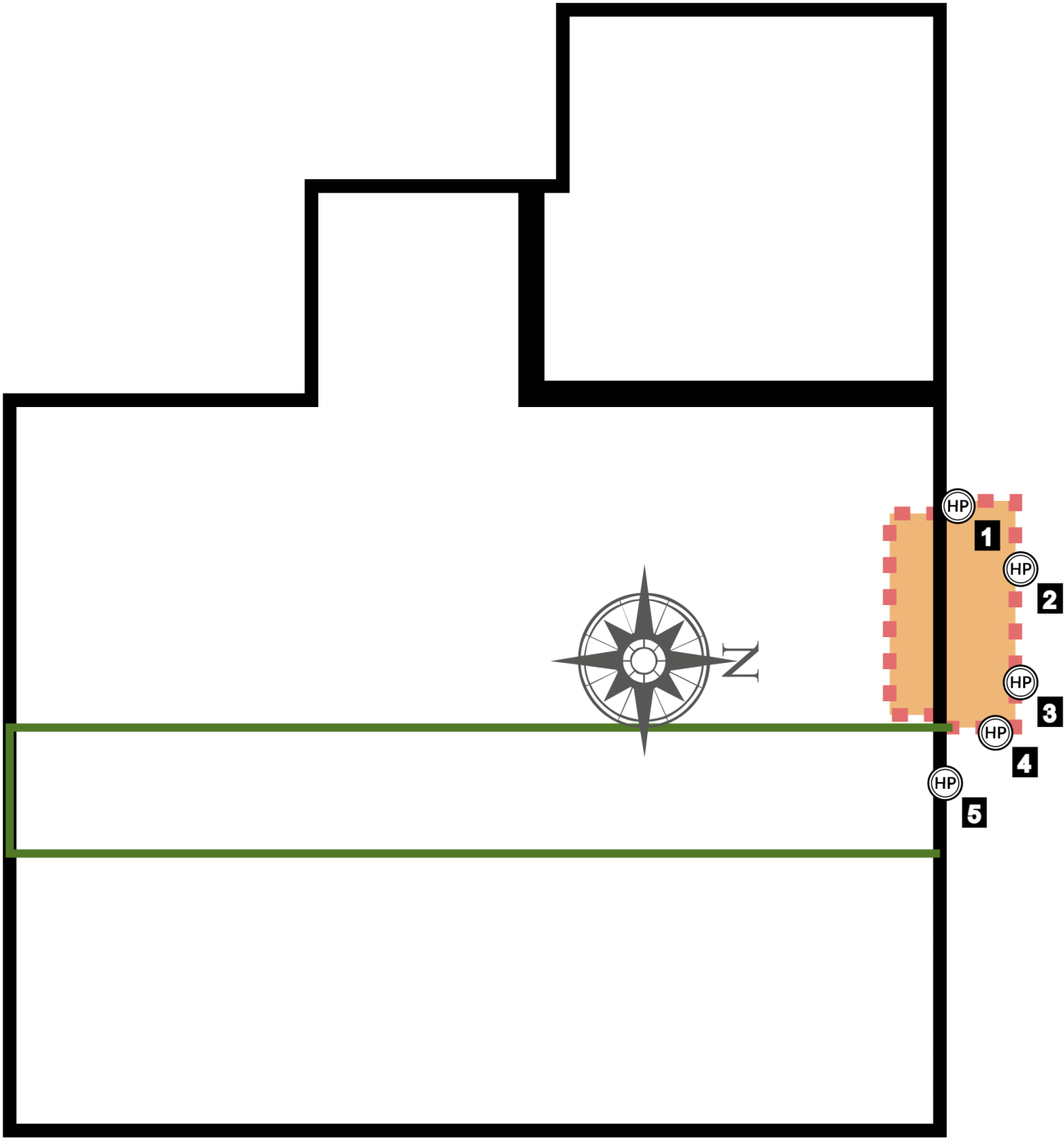
Final Date: 06/21/2024

Wastewater Type:

CONTRACTOR TYPE	NAME	LICENSE #
General Contractor	Denetra Harvey	L.85240

This is to certify that all required building code inspections have been completed on this structure and all known code violations discovered during such inspections have been duly noted, ordered corrected and have been re-inspected. As a result of the inspections made, work performed under this permit has been found to be in substantial compliance with the applicable building codes.

Job Details



Job Details (Continued)

Specifications

1) Install Helical Pier(s) to support the foundation as shown on job drawing using a standard bracket. Final Location of pier(s) is subject to field conditions. 2) Obtain engineering report and permits for necessary for repair work. 3)

Product List

My Crawl Space

Permanently Stabilize Foundation

3" Helical Pier, Standard Bracket	5
Engineering Report/Permit, Residential	1
adjustment	1