

**Date:** 06/29/2022

**To:** **Scott Ramsey**  
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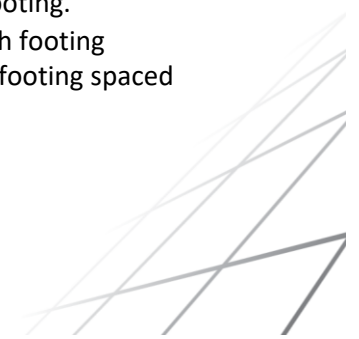
**Re:** **Pier Center 1/3 Issue**  
Location: Lot 11 Purfoy Place (Lambert Lane Fuquay-Varina, NC)  
JDS Project No.: RDU2206473  
Date of Inspection: 6/28/2022

A representative of JDS Consulting arrived on site to observe the issues reported to us by the client, which are presented, along with our recommendations, in this report.

### Observations

The client has requested evaluation of the following items:

1. The right most pier in the 2<sup>nd</sup> from front row does not land within center third of the footing.
  - Contractor has excavated a 14" front to rear long by full width and depth footing extension with (1) row of (4) #4 rebar dowels epoxied into the face of the existing footing spaced equally apart. Dowels have 7" of projection and 3" of clear cover.
2. The left most pier in the 2<sup>nd</sup> from front row does not land within center third of the footing.
  - Contractor has excavated a 9" left to right wide by full length and depth footing extension with (1) row of (4) #4 rebar dowels epoxied into the face of the existing footing spaced equally apart. Dowels have 4 ½" projection and 2 ½" clear cover.
3. The left most pier in the 3<sup>rd</sup> from front row does not land within center third of the footing.
  - Contractor has excavated a 12" left to right wide by full length and depth footing extension with (4) #4 rebar dowels epoxied into the face of the existing footing spaced equally apart. Dowels have 6" projection and 3" clear cover.
4. The left most pier in the 2<sup>nd</sup> from rear row does not land within center third of the footing.
  - Contractor has excavated a 9" front to rear long by full width and depth footing extension with (1) row of (4) #4 rebar dowels epoxied into the face of the existing footing spaced equally apart. Dowels have 4 ½" projection and 2 ¾" clear cover.
5. The 2<sup>nd</sup> from right pier in the rear most row does not land within center third of the footing.
  - Contractor has excavated a 11" front to rear long by full width and depth footing extension with (1) row of (4) #4 rebar dowels epoxied into the face of the existing footing spaced equally apart. Dowels have 7" projection and 2 ½" clear cover.
6. The 3<sup>rd</sup> from right pier in the rear row does not land within center third of the footing.
  - Contractor has excavated a 12" front to rear long by full width and depth footing extension with (4) #4 rebar dowels epoxied into the face of the existing footing spaced equally apart dowels have 6 ½" projection and 2" clear cover.



**Recommendations**

Based on our on-site observations all footing repairs are sufficient and will allow each in question pier to sit within the center third of the new footing. The contractor shall now pour a minimum of 3,000 PSI concrete in each excavated footing extension.

If you have any questions or if I can be of further assistance to you on this project, please contact me at 980-240-5681.

Respectfully Submitted,  
Zachary Lower

