

Terry V. Hudkins, P.E.  
306 Narcissus  
Lake Jackson, TX 77566  
October 13, 2022

**FINAL HOUSE LEVELING INSPECTION REPORT: JOB NO. 22-029**

**LOCATION:** 130 Tamarisk Trail  
Lake Jackson, TX

**CONTRACTOR:** D-Square Foundation Repair  
Angleton, Texas

**DATE OF PILE INSTALLATION & LEVELING:** October 11-12, 2022

**INSPECTIONS PERFORMED:**

June 8, 2022 - Preliminary Inspection  
October 11, 2022 - Inspected Installation and Leveling  
October 12, 2022 - Final Inspection

**CONCRETE SPEC:**

All pile sections are pre-cast, 6000 psi at 28 day performance, non-reinforced concrete.

**PILES:**

14 pressed piles were installed at the locations, and in accordance with the details and specifications, shown on Drawing SK-22029-1. Each pile consists of 6" x 12" concrete sections, with the number of 6" x 12" sections varying with driving resistance. Pile sections were installed by jacks using the weight of the house to provide the driving load. Installation of each pile was to the depth at which the driving started to lift the foundation. All piles were completely driven prior to leveling of the house. Concrete capstones were placed on top of the piling sections, from which the house was jacked to a level position. After leveling, two 6"x 12" concrete cylinders were placed on the capstones and shimmed against the grade beam with steel shims. The original design called for 12 new piles, and adjustment of 5 existing piles. 2 new piles were added beneath the brick wall separating the living room from the dining room, and the locations of several other piles were slightly modified to take advantage of interior grade beams, and only 2 existing piles had to be adjusted.

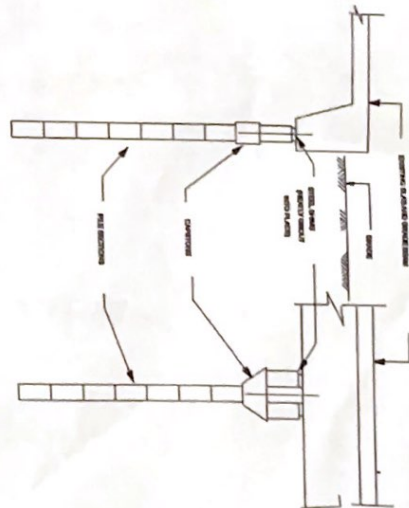
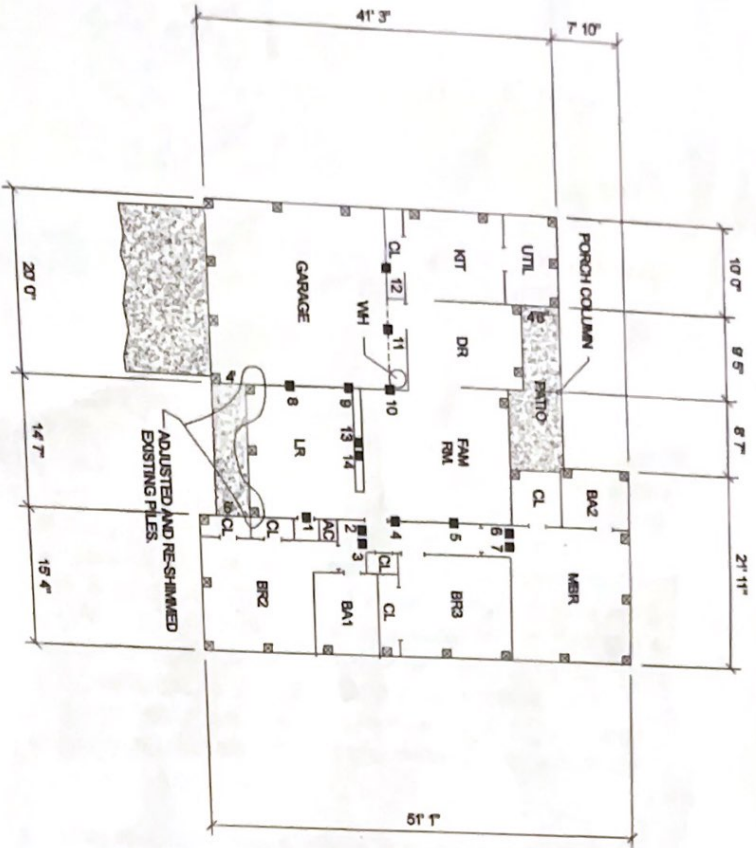
**COMMENTS:**

The job meets all standard engineering practices, and the undersigned engineer's specifications. This repair work should stabilize this part of the foundation to its intended function for the life of the structure.

Respectfully submitted,

*Terry V. Hudkins* 10/13/22  
Terry V. Hudkins, P.E.  
Firm # F-003147





TYPICAL PRESSED PILE DETAIL  
NOT TO SCALE

- PRESSED PILE FOOTING LOCATION (INSTALLED 2022)
- EXISTING PRESSED PILE FOOTING LOCATION (INSTALLED 2005)

**FOOTING LOCATION PLAN**



**GENERAL NOTES:**

1. PILES SHALL BE PLACED AT A MAXIMUM SPACING OF 8'-0" IN ONE STORY AREAS, 6'-0" IN TWO STORY AREAS.
2. PILE SECTIONS SHALL BE INSTALLED BY JACKS USING THE WEIGHT OF THE STRUCTURE TO PROVIDE THE DRIVING LOAD. WHEN THE FOUNDATION STARTS TO LIFT, DRIVING OF THE PILE IS ENDED.
3. WHEN THE FOUNDATION ON HYDRAULIC JACKS AND HOLD IN PLACE W/ STEEL SHIMS.

SEAL

<b>TVH-ENGINEERING</b>		
FOUNDATION REPAIR 130 TAMARISK TRAIL LAKE JACKSON, TX		
TITLE	DRAWN BY	DATE
	TVH	10/13/22
JOB NO.	DRAWING NO.	
22-029	SK-22029-1	