

Terry V. Hudkins, P.E.
306 Narcissus
Lake Jackson, TX 77566
April 26, 2021

HOUSE LEVELING INSPECTION REPORT: JOB NO. 21-001

LOCATION: 414 Huckleberry
Lake Jackson, TX

CONTRACTOR: D-Square Foundation Repair
Angleton, Texas

DATE OF PILE INSTALLATION & LEVELING: April 26, 2021

INSPECTIONS PERFORMED:
January 6, 2021 – Preliminary Inspection
April 26, 2021 - Final Inspection

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

PILES:
16 pressed piles were driven at the locations, and in accordance with the details and specifications, shown on Drawing SK-21001-1. Each pile consists of 6" x 12" concrete sections, with the number of 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.

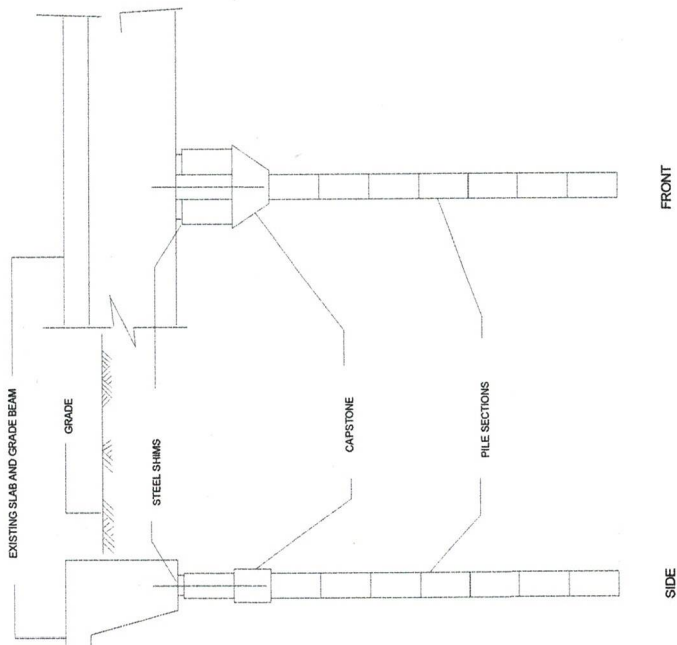
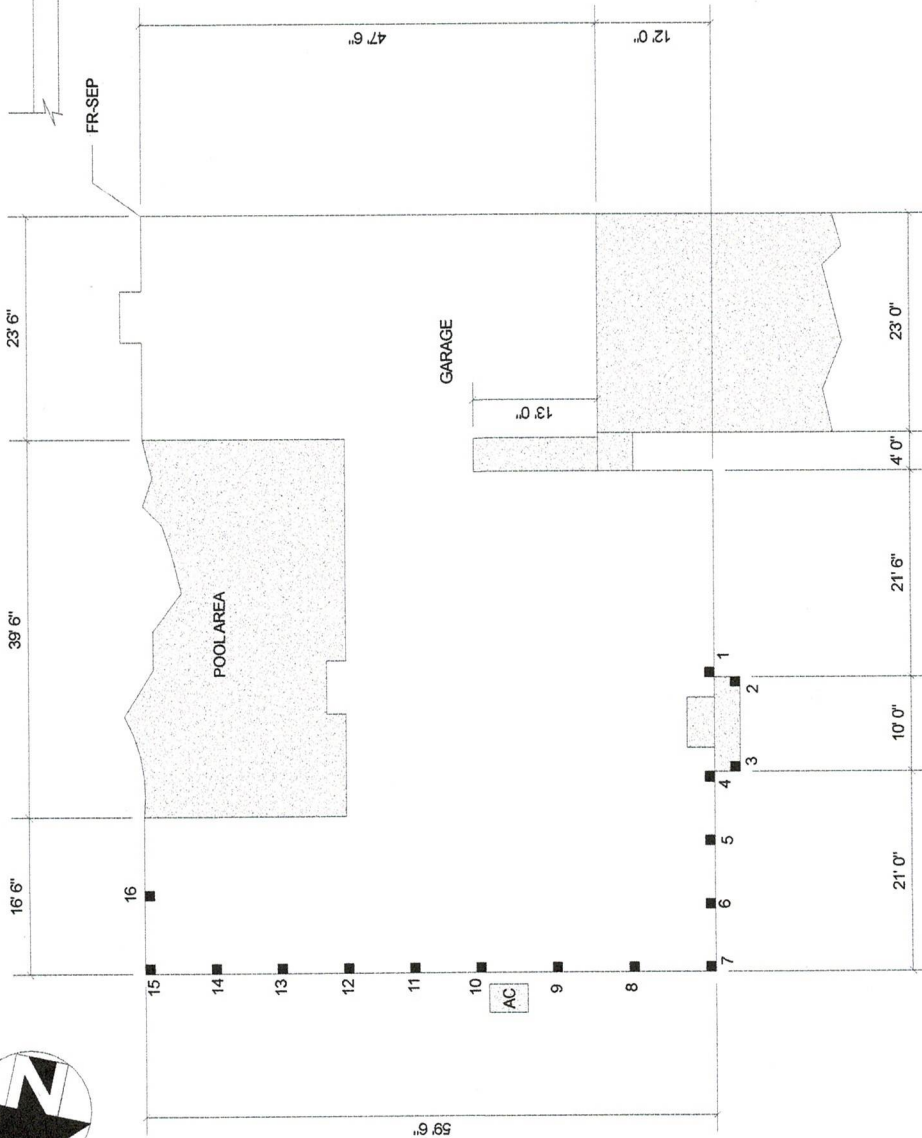
COMMENTS:
Overall job performance was per design. The job meets all standard engineering practices, and was in accordance with the undersigned engineer's specifications. This repair work should stabilize this part of the foundation to its intended function for the life of the structure.

Respectfully submitted,

Terry V. Hudkins 4/26/21

Terry V. Hudkins, P.E.
Firm # F-003147





TYPICAL PRESS PILE DETAIL
(NOT TO SCALE)

■ - PRESSED PILE (INSTALLED 2021)

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 CONSIST OF 6" DIAMETER X 12" LONG CYLINDERS, SQUARE OR RECTANGULAR BLOCKS WILL NOT BE PERMITTED FOR USE AS PILE SECTIONS.
 3. PILE SECTIONS SHALL BE INSTALLED BY JACKS USING THE WEIGHT OF THE STRUCTURE TO PROVIDE THE DRIVING LOAD.
 4. WHEN THE FOUNDATION STARTS TO LIFT, DRIVING OF THE PILE IS ENDED.
 5. ELEVATE FOUNDATION ON HYDRAULIC JACKS AND HOLD IN PLACE W/ STEEL SHIMS ON TWO 6" DIAMETER CYLINDERS PLACED ON THE CAPSTONE.

SEAL

TERRY V. HUDKINS, P.E.
55526

STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER

T.V.H. 4/26/21



TITLE:

PROPOSED FOUNDATION REPAIR
414 HUCKLEBERRY
LAKE JACKSON, TX

JOB NO.	DRAWN BY	DATE
21-001	TVH	4/26/21

DRAWING NO. SK-21001-1