

Report No. 1

September 29, 2022

N22-333

DESCRIPTION : Investigation and Testing for In Situ Soil Bearing Pressure

PROJECT : 837 Cherokee St. – New Orleans

**FOR and REPORTED TO : Preston Tedesco
8601 Leake Ave.
New Orleans, La. 70118**

Purpose of Report:

At the request of Mr. Tedesco and in accordance with our proposal, our firm conducted a soil investigation with the purpose of determining the allowable soil bearing pressure at the elevation of the supportive clay layer at the subject site. The testing was conducted on September 28, 2022.

Methodology:

Using a post hole shovel, three (3) excavations (8 inches in diameter) were made down to the supportive clay layer. Using a Penetrometer, three (3) readings were taken at the bottom of each excavation. The approximate location of each test excavation is shown on the attached sketch.

Test Results: House Addition

Location	Depth	Ultimate Bearing (psf)
1.	6 inches below grade at bottom of existing footing into grey clay	3,500
2.	16 inches below grade into grey clay	3,500
3.	7 inches below grade at bottom of existing footing into grey clay	4,000
3.	16 inches below grade at location #3, still in grey Clay	4,500

Note: The opposite side of the house was inaccessible.

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Recommendations:

From the lowest average Penetrometer readings shown above and using a factor of safety of 3.0, the safe allowable soil pressure of the supporting clay layer is recommended not to exceed 1,200 psf.

Remarks:

Technician: E. Nillen 09-28-22

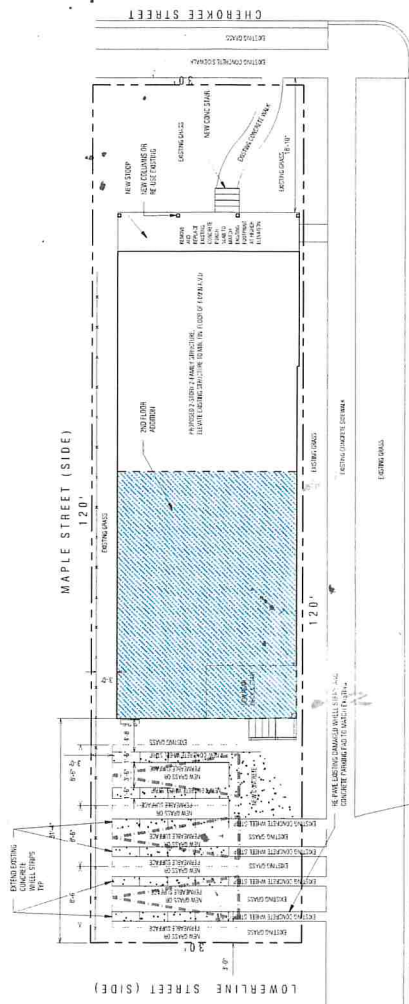
Supervisor and Report by: Ken Meyn, P.E.

Respectfully submitted,
SOUTHERN EARTH SCIENCES, INC.

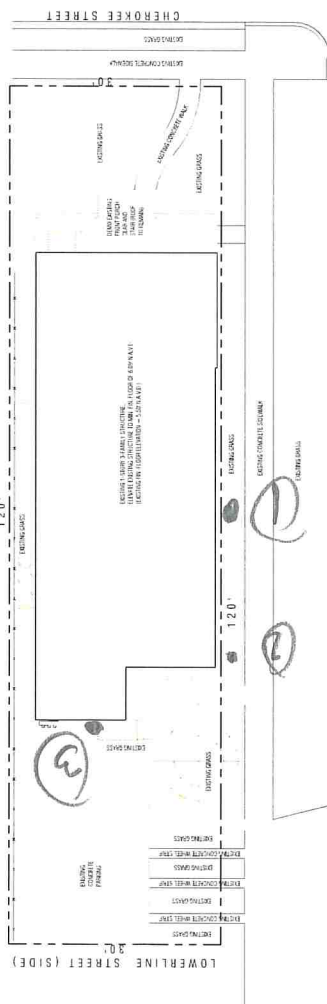

Ken J. Meyn, P.E.
District Manager



KJM
09-29-22
/Attachment – Location Sketch

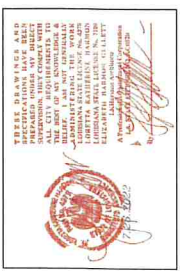


**PROPOSED
SITE PLAN**
SC: 1/4" = 1'-0"



**EXISTING / DEMOLITION
SITE PLAN**
SC: 1/4" = 1'-0"

- PROJECT DATA:**
1. SCOPE OF WORK IS TO CONVEY EXISTING AND PROPOSED DWELLING AREA TO A TWO-FAMILY DWELLING WITH CONCRETE FOUNDATION
 2. 1/4" = 1'-0" SCALE
 3. CITY OF NEW ORLEANS ZONING CLASSIFICATION: R-100
 4. SITE INFORMATION: 837 CHEROKEE STREET, NEW ORLEANS, LA 70124
 5. PROJECT INFORMATION: 837 CHEROKEE STREET, NEW ORLEANS, LA 70124
 6. EXISTING AREA: 1,500 S.F.
NEW AND ADDITION: 800 S.F.
TOTAL PROPOSED AREA: 2,300 S.F.
 7. OWNER: LKHARMON ARCHITECTS, 837 CHEROKEE STREET, NEW ORLEANS, LA 70124
 8. DRAWING NUMBER: 1/4" = 1'-0"



NOTE: DRAWINGS AND SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE. THE ARCHITECT ASSUMES NO LIABILITY FOR THE WORK UNLESS IT IS SPECIFICALLY NOTED OTHERWISE. LK HARMON ARCHITECTS, A PROFESSIONAL ARCHITECTURAL CORPORATION, 837 CHEROKEE STREET, NEW ORLEANS, LA 70124

LKHarmon Architects
A Professional Architectural Corporation
837 Cherokee Street, New Orleans, Louisiana 70124
504.465.4870, harmon@lkharmearchitects.com

**TWO-FAMILY DWELLING
RENOVATION AND ADDITION**
837 Cherokee, 7420 Burthe street
New Orleans, Louisiana

Boring Construction

A1
LKH #4920

9/26/20