



FORGE ENGINEERING, INC.

FORENSIC, GEOTECHNICAL AND
CONSTRUCTION CONSULTANTS

April 23, 2004

Mr. Mike Hueniken
US HOME
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Subject: Report of Test Pit Exploration
508 Acre Property
South of State Road 78, East of Lee/Hendry County Line
Hendry County, Florida
Forge Engineering Project Number 157F-002.01

Forge Engineering Inc. (FORGE) is pleased to present this report of our test pit exploration completed at the subject site. This report should not be considered apart from our "Report of Preliminary Geotechnical Exploration" for this project, dated April 16, 2004.

Purpose

The purpose of these additional services was to further explore the shallow subsurface conditions at the site to evaluate the suitability of using the soil from proposed lake excavations as structural fill over the site.

This report has been prepared for the exclusive use of US HOME for specific application to the proposed 508 Acre Property project at the subject site. FORGE has endeavored to comply with generally accepted geotechnical engineering practice common to the local area. FORGE makes no other warrant, express, or implied.

Project Information

Our understanding of this project is based on information provided by you and Mr. Josh Evans, P.E. of WilsonMiller, Inc., together with some assumptions that we have made based on our experience in the area. We have also received a copy of an aerial photograph of the site and a copy of a boundary survey prepared by Johnson Engineering, Inc.

We understand the project will consist of the construction of a single-family residential development with several lakes on the 508 acre site. Mr. Andy Paulet of your firm stated the structures will range from 1- to 2-stories in height.

Subsurface Conditions

On April 20, 2004, an engineer from FORGE met a representative of your firm and representatives of Mitchell and Stark, the project earthwork contractor, to observe the excavation of test pits on the subject site. The number, depth, and location of the test pits were determined by your representative. Four test pits were excavated at the site using a track hoe, with the excavated depth ranging from about 14 to 20 feet below the existing ground surface.

The approximate test pit locations are shown on the Field Exploration Plan, in the Appendix. Generalized subsurface conditions encountered in the test pits are also provided in the Appendix.

Below the surficial topsoil the test pits generally encountered relatively clean to slightly silty sand to depths ranging from about 3 to 11 feet below existing grade. Underlying the upper sands a layer with variable amounts of sand, silt and clay was encountered to depths of 6 to 12 feet. The final layer observed in the test pits consisted of silty, clayey sand with variable amounts of shell and gravel (weathered limestone).

Evaluation

Our evaluation is based on the project information provided to us, the findings of our field exploration programs, and our experience in the area. The subsurface conditions will vary across the site. Should new information become available during design or the conditions encountered during construction be substantially different from the information presented in this report, please contact us so we may evaluate the new information.

Based on discussions with Mr. Paulet and representatives of Mitchell and Stark, we understand it is desired to utilize the subsurface soils excavated from the lakes (20 foot excavation depth) as structural fill over the site. In order to use the soil encountered below the surficial clean sands as structural fill we recommend the following program be completed:

below the surficial clean sands as structural fill we recommend the following program be completed:

- Dry the clayey, silty sand layers to within \pm 2 percent of the optimum moisture content,
- Uniformly mix clean granular sandy soil until the percentage of silt and/or clay fines is less than 20 percent of the overall soil matrix,
- Place the fill in 8-inch maximum loose lift thickness,
- Compact each 8-inch thick lift to at least 95 percent of the soils' Modified Proctor Maximum Dry Density value.

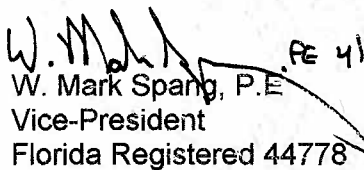
Prior to the start of construction, we recommend a test section be completed to determine the contractors means and methods produce suitable structural fill to support the proposed structures. FORGE should be engaged to provide monitoring and testing of this program.


Closing

We appreciate working with you as your geotechnical consultant and look forward to working as part of your design/construction team on the remainder of this project. Please contact us when we may be of further assistance, or if you have any questions regarding this report.

Sincerely,

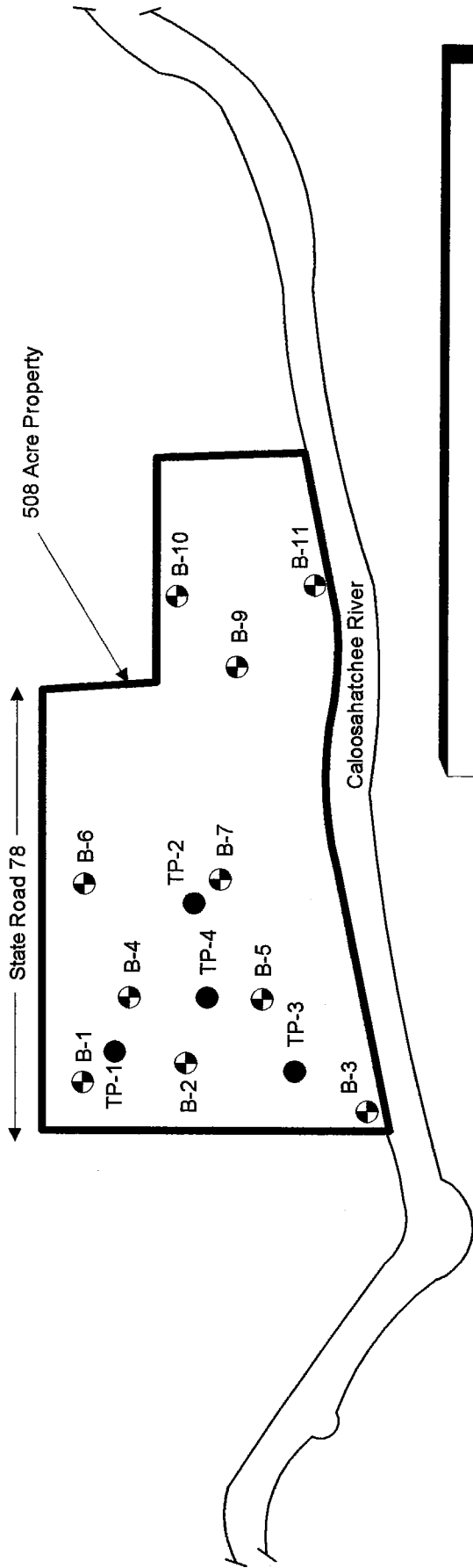
Forge Engineering, Inc.

 W. Mark Spang, P.E.
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Matt H. Nolton, P.E.
Vice-President

Distribution: 2 - Addressee
1 - WilsonMiller, Inc.
Attn: Mr. Gerard Rippo
1 - File

Appendix: Field Exploration Plan
Test Pit Logs



LEGEND

- TP-3 Number and Approximate Location of Test Pit Excavation
- ⊕ B-1 Number and Approximate Location of Soil Test Boring
(Boring B-8 deleted due to accessibility)



Reference: Undated copy of an aerial photograph of the site, provided by WilsonMiller, Inc.

Field Exploration Plan

508 Acre Residential Property

South of State Road 78, East of the
Lee/Hendry County Line
Hendry County, Florida

Forge Project No. 157F-002.01

APPENDIX

TEST PIT LOGS

TEST PIT 1	
DEPTH (ft)	SOIL DESCRIPTION
0.0 - 0.5	Topsoil
0.5 - 3.0	Dark brown slightly silty fine SAND
3.0 - 4.0	Brown fine SAND with shell
4.0 - 6.5	Gray clayey, silty fine SAND
6.5 - 20.0	Tan clayey, silty fine SAND, trace shell and gravel (Weathered Limestone)

TEST PIT 2	
DEPTH (ft)	SOIL DESCRIPTION
0.0 - 0.5	Topsoil
0.5 - 5.0	Gray and Tan fine SAND
5.0 - 6.0	Brown clayey fine SAND
6.0 - 20.0	Tan clayey, silty fine SAND, trace shell and gravel (Weathered Limestone)

TEST PIT LOGS (continued)

TEST PIT 3	
DEPTH (ft)	SOIL DESCRIPTION
0.0 - 0.5	Topsoil
0.5 - 11.0	Tan and Brown fine SAND
11.0 - 12.0	Tan clayey, silty fine SAND
12.0 - 18.0	Tan clayey, silty fine SAND, trace shell and gravel (Weathered Limestone)

TEST PIT 4	
DEPTH (ft)	SOIL DESCRIPTION
0.0 - 0.5	Topsoil
0.5 - 4.5	Gray and Tan fine SAND
4.5 - 6.0	Brown slightly clayey fine SAND
6.0 - 7.0	Brown fine SAND with shell
7.0 - 20.0	Tan clayey, silty fine SAND, trace shell and gravel (Weathered Limestone)