

County Line Farms, LLC
200 Lake Morton Drive, Suite 200
Lakeland, Florida 33801

February 25, 2011

Attention: Mr. Thomas W. Moore, Jr. - Manager

RE: Report of the Preliminary Subsurface Soil Investigation
County Line Farms Property
Hillsborough County, Florida
Our File: DES 116682

Dear Mr. Moore:

Pursuant to your authorization, **DRIGGERS ENGINEERING SERVICES, INC.** has completed the requested program of test borings at the subject site. Presented herein are the results of our field and laboratory tests with a general discussion of our findings. You will note that this investigation is considered preliminary with regards to actual structure foundation requirements pending more detailed studies on a structure by structure basis.

INVESTIGATION PROGRAM

You will note that an original investigation was conducted on the subject property for Genesis Group with a report date of April 29, 2004. However, due to these areas being heavily wooded, deeper Standard Penetration Test (SPT) borings were not conducted within two central pond areas along the western property boundary at that time. Instead, shallow classification or hand auger borings were performed to provide shallow subsurface information. Through the review process, SWFWMD determined that deep SPT borings would be necessary within those pond areas as well. Accordingly, we recently gained access to that area to conduct the borings. The following presents an overall discussion of the results of all our findings on the subject site including the three (3) most recently performed SPT borings.

SOIL BORINGS - Plate I of the report attachments identifies the respective positioning of a series of Standard Penetration Test (SPT) borings that were performed on the project for the original investigation in 2004. The locations of the three (3) more recent SPT borings (P-1, P-2 and P-3) are provided on Plate II. The test borings were performed generally at the locations that were staked in the field by the project survey crews.

You will note that the Standard Penetration Test borings were conducted in areas that were accessible to our exploration equipment. Certain locations were in wetlands with standing water and were not accessible to standard exploration equipment. At these locations, the existing water depth was recorded.

Logs of the test borings are presented in the attachments reflecting estimated Unified and AASHTO Soil Classification. Groundwater information is also presented on the attached logs.

LABORATORY INVESTIGATION - A limited program of laboratory testing was also undertaken to aid in characterizing the engineering properties of the subsurface soils. Our laboratory tests principally included grainsize analyses and Atterberg limits determinations together with organic content tests on selected specimens. The results of our laboratory tests are included in the report attachments.

GENERALIZED SUBSURFACE CONDITIONS

SOIL CONDITIONS - In general, the program of test borings identified the presence of a variable thickness surficial veneer of topsoil with differing organic content and concentration of roots. Typically, this upper organic enriched zone was less than 12 inches thick.

Below the upper organic topsoil, the near-surface native sediments appeared to consist of predominantly fine sands with variable silt, clay and organic fines that typically comprised the Unified Soil Classification of SP to SP-SM and SM and the AASHTO Soil groupings of A-3 to A-2-4. The thickness of this upper sandy unit varied over the site. Typically, these upper predominately sandy soils extended to depths on the order of 10 to 15 feet and locally deeper. However, in localized areas, lenticular clayey sand seams appeared to be interbedded with the fine sands and silty to slightly clayey sands within the upper 10 feet.

Typically, below the upper sand unit, the test borings generally graded to clayey sands interbedded with sandy clays that commonly overlay the deeper limestone which appeared to be dolomitic. It is also significant to note that in some cases lenses or seams of limestone or dolomitic silt occurred within the clayey sand and sandy clay units within the upper 20 to 30 feet. It should also be mentioned that some of the clayey sands and sandy clays that were encountered above the limestone formation locally appeared to be phosphatic.

The surface of limestone occurred at varying depths ranging from as little as 18 to as deep as 38 feet below existing grade. Many of the borings, of course, were terminated at relatively shallow depths in accordance with your request and did not encounter the limestone formation.

GROUNDWATER CONDITIONS - Groundwater was recorded at relatively shallow depths during the course of our original geotechnical investigation in April of 2004. With the exception of low lying areas and wetlands, groundwater was commonly encountered at depths of about 2.5 to 4.5 feet at the time of our investigation which was principally during a period of minimal rainfall. However, it is important to note that two (2) of the more recent requested SPT borings (P-2 and P-3) identified groundwater about 4 to 5 feet deeper than was recorded in the borings within the vicinity during the original investigation in that area (B-2 and B-3) even though both investigations were conducted within what would be considered the "dry" season. The reason for this difference is presently unknown. Boring P-1 from the current study identified groundwater only about 1 foot below the water level recorded at B-1 from the previous study.

Nevertheless, in general across the site, we would anticipate that normal wet season groundwater levels in the upland portions of the site could probably be expected within a depth of 12 inches below existing grade. This agrees favorably with the USDA Natural Resources Conservation Service (NRCS) which suggests soils on site are predominantly represented by the Myakka, Malabar and Smyrna fine sands. Soils in these mapping units are characterized as possessing seasonal high groundwater levels within 12 inches of existing grade during the wet season months.

However, careful consideration should be given to the groundwater conditions noted at P-2 and P-3 which was somewhat deeper than expected during this most recent investigation. Where wet ponds are desired and/or the seasonal high groundwater level is critical to the design of this particular pond for other reasons such as littoral shelves or outflow considerations, additional studies would be warranted. We would expect these studies would include installation of shallow

piezometers to document groundwater levels throughout the year as well as some research as to the possible cause of the lowered groundwater levels in order to assess whether this lowered groundwater condition would be expected to be sustained. Spot checking other groundwater levels and monitoring during the wet season would also be prudent to better refine normal seasonal high groundwater levels within the upland areas.

GENERALIZED DISCUSSION OF GEOTECHNICAL TEST RESULTS

In advance of obtaining detailed information relative to structure concepts for this project, included herein is a brief discussion of our preliminary findings as it would relate to a typical low-rise residential or commercial development.

GENERALIZED FOUNDATION CONDITIONS - Our geotechnical investigation has generally identified the presence of subsurface soils that are generally suited for low-rise construction utilizing relatively routine subgrade preparation and conventional shallow foundations. Subgrade preparation, of course, must include careful stripping of any surface highly organic soils followed by proof-rolling of the subgrade and necessary fill soils needed to develop design grades.

Foundation design recommendations, of course, must be developed based upon a careful review of anticipated design grades and structural loads as well as more detailed geotechnical information in specific structure areas. Therefore, at the appropriate time, we would be happy to review such information and develop a proposal for generating site specific information for foundation design recommendations.

BORROW SOIL CHARACTERISTICS - Our test borings have identified the presence of an upper unit of sands with variable silt, clay and organic finds generally comprising the AASHTO A-3 to A-2-4 Soil Classification. These soil types are generally considered as suitable for use as fill in both structure and paved areas with appropriate earthwork management, placement and compaction control. Typically, these upper more granular soils with minimal plasticity extended to depths on the order of 10 to 15 feet and locally more.

Of significance is the fact that soils comprising the AASHTO A-2-4 or Unified Soil Classification SM contain appreciable silt and probable trace amounts of clay fines. These soil types are naturally more weather sensitive and will require appropriate moisture control for proper placement and compaction. In general, it will be necessary to control the moisture contents with

these soil types to within $\pm 2\%$ of optimum moisture as established by the Modified Proctor moisture density relationship of AASHTO T-180.

Due to the fact that these soils will doubtless be excavated below the groundwater table, they will require appropriate spreading and aeration in order to reduce moisture contents to levels suitable for proper compaction. As a result of this moisture sensitivity, the contractor must exercise added care in earthwork management in order to maintain the fill surfaces appropriately shaped to promote positive drainage during rainfall events. Mechanical aeration must be planned as a routine operation in order to control moisture contents during earthwork operations.

It is also important for the contractor to recognize that soils containing appreciable fines may necessitate special compaction procedures such as the utilization of vibratory sheepsfoot or vibratory tamping foot type compaction equipment in addition to the utilization of conventional smooth steel wheel vibratory rollers. The kneading action of the sheepsfoot or vibratory tamping foot rollers is commonly more efficient in compacting soils containing appreciable silt or clay fines.

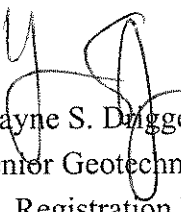
Improvement in efficiency in placement and compaction can also be gained by excavating and blending soils with increased fines content with overlying or underlying zones with minimal silt or clay fines in order to reduce the overall effective fines content. Therefore, consideration needs to be given by the earthwork contractor with respect to ways and means for excavating retention areas for the production of borrow so as to effect maximum blending of constituents.

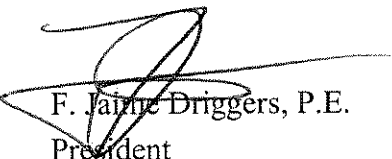
The deeper clayey sands and clays comprising the A-2-6 to A-7-6 AASHTO Soil Classification generally exhibit moderate to high plasticity and would generally not be suitable for use as fill in structure or paved areas. Further, it visually appeared that some of these clayey soils may be phosphatic. In some cases, phosphatic soils are associated with formations that exhibit increased potential for the production of Radon gas. Thus, if there is a probability that these deeper soils may be excavated and placed on the ground surface throughout the site, it would be prudent to consider testing these soils for potential Radon production. Further, if there is an anticipated need for excavating in proximity to these deeper clayey soils, it may also be advisable to perform some Radon screening tests on the potential borrow soils immediately overlying these phosphatic units.

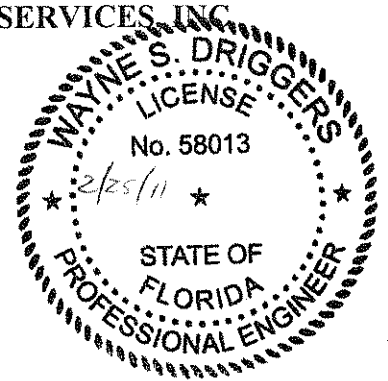
DRIGGERS ENGINEERING SERVICES, INC., appreciates this opportunity to be of continued service on this project. Should you have any questions, please do not hesitate to contact the undersigned at your convenience.

Respectfully submitted,

DRIGGERS ENGINEERING SERVICES, INC.


Wayne S. Driggers, P.E.
Senior Geotechnical Engineer
FL Registration No. 58013


F. Jaime Driggers, P.E.
President
FL Registration No. 16989



WSD-REP\116682

Copies submitted: (2) County Line Farms, LLC; Attn: Mr. Thomas Moore, Jr.
(3) Genesis Group: Attn: Mr. Kyle L. Thornton, P.E.

APPENDIX

**PLATE I - BORING LOCATION PLAN
(APRIL 2004 STUDY)**

**PLATE II - BORING LOCATION PLAN
(CURRENT STUDY)**

**STANDARD PENETRATION TEST BORING LOGS
AND
HAND AUGER BORING LOGS
(APRIL 2004 STUDY)**

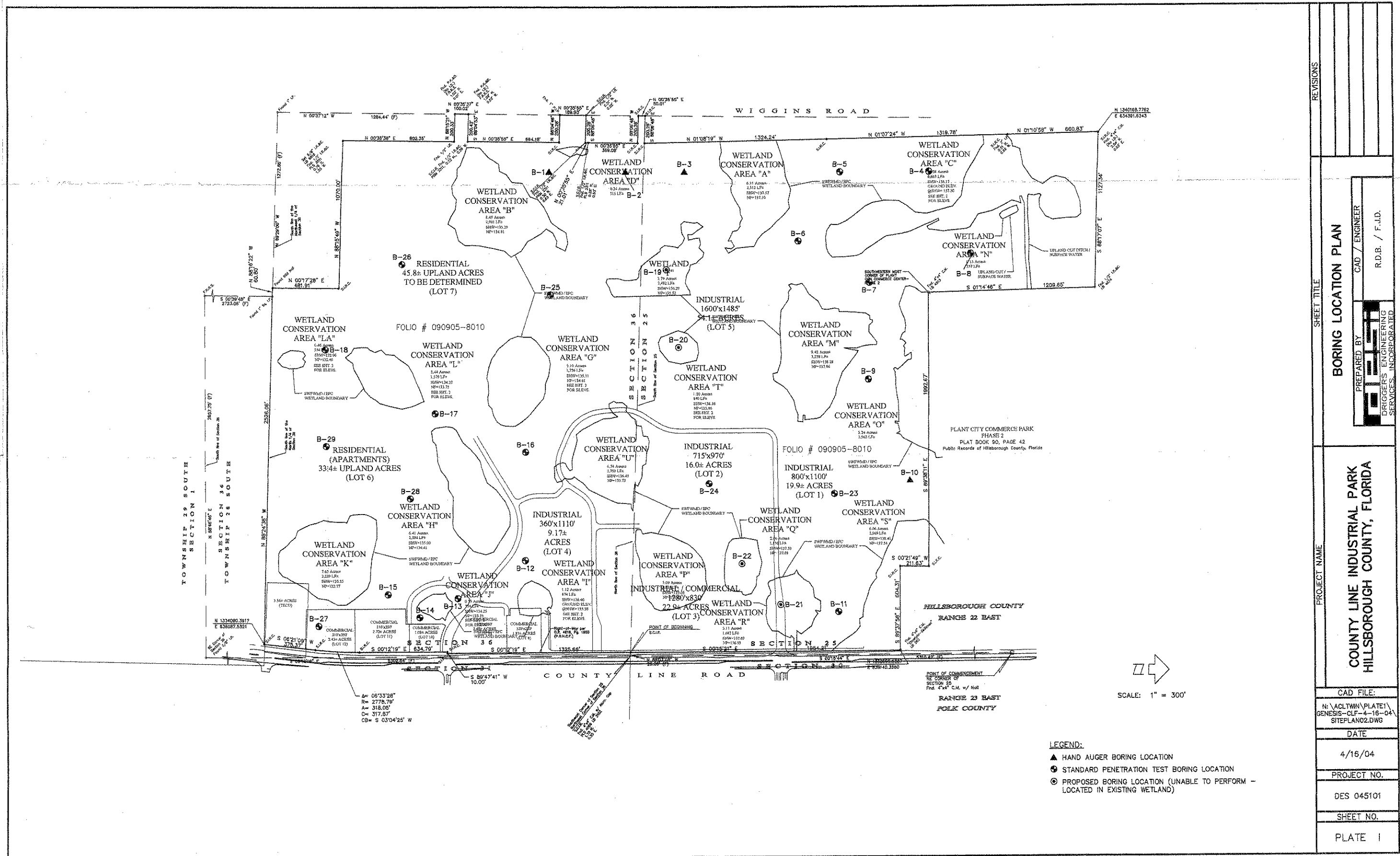
**STANDARD PENETRATION TEST BORING LOGS
(CURRENT STUDY)**

SUMMARY OF LABORATORY TEST RESULTS (BOTH STUDIES)

GRAINSIZE ANALYSES

METHOD OF TESTING

**PLATE I - BORING LOCATION PLAN
(APRIL 2004 STUDY)**

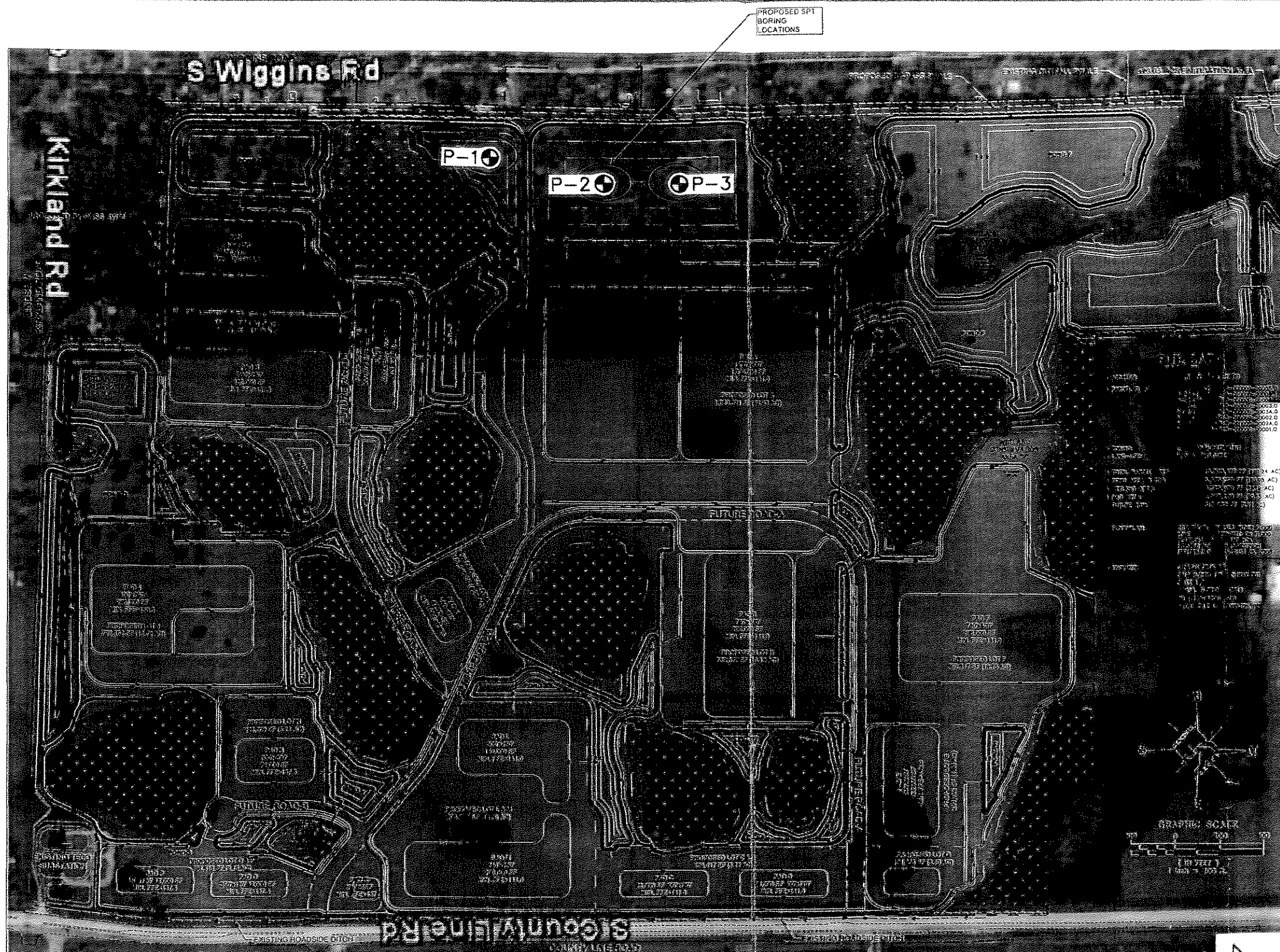


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|---|--|
| REVISIONS | |
| SHEET TITLE | |
| BORING LOCATION PLAN | |
| PREPARED BY | |
| CAD / ENGINEER | |
| R.D.B. / F.J.D. | |
| PROJECT NAME | |
| COUNTY LINE INDUSTRIAL PARK HILLSBOROUGH COUNTY, FLORIDA | |
| CAD FILE: | |
| N:\ACT\TWN\PLATE1\GENESIS-CLF-4-16-04\SITEPLAN02.DWG | |
| DATE | |
| 4/16/04 | |
| PROJECT NO. | |
| DES 045101 | |
| SHEET NO. | |
| PLATE 1 | |


**PLATE II - BORING LOCATION PLAN
(CURRENT STUDY)**

LEGEND:

⊕ STANDARD PENETRATION TEST BORING LOCATION



DATE: 1/24/11

| | | |
|---|--|-------------|
| CAD / ENGINEER | SHEET TITLE | PROJECT NO. |
| R.D.B. / J.A.D. | BORING LOCATION PLAN | DES 116682 |
| PREPARED BY | PROJECT NAME | SHEET NO. |
|  | PROPOSED STORMWATER PONDS COUNTY LINE FARMS PROPERTY PLANT CITY, FLORIDA | PLATE II |

**STANDARD PENETRATION TEST BORING LOGS
AND
HAND AUGER BORING LOGS
(APRIL 2004 STUDY)**



| | | | |
|--|--|-------------------|--------|
| PROJECT: | | CLIENT: | |
| County Line Industrial Park Hillsborough County, Florida Project No.: DES 045101 | | Genesis Group | |
| TECHNICIAN: | | WATER TABLE: | |
| T.A. | | 3.6' | |
| LOCATION: | | DATE: | |
| See Plate I | | 3/2/04 | |
| | | COMPLETION DEPTH: | |
| | | 6.0' | |
| | | TEST NUMBER: | |
| | | B-1 | |
| ELEV. (FT) | DESCRIPTION | DEPTH (FT) | SYMBOL |
| | Dark gray highly organic Fine SAND with roots (Pt) (A-8) | 0 | |
| | Dark brown Fine SAND with finely divided organic material (SP) (A-3) | 1 | |
| | Brown slightly silty Fine SAND (SP-SM) (A-3) | 2 | |
| | Brown silty Fine SAND (SM) (A-2-4) | 3 | |
| | | 4 | |
| | | 5 | |
| | | 6 | |
| | | 7 | |
| REMARKS | | | |
| Surface Elevation: Unknown (B-1 is located in heavily wooded area.) | | | |



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| HAND AUGER BORING LOG | | | | |
|---|---|---------------------------------|----------------------------------|---|
| PROJECT: County Line Industrial Park Hillsborough County, Florida Project No.: DES 045101 | | CLIENT: Genesis Group | | |
| TECHNICIAN: T.A. | | WATER TABLE: 3.5' | DATE: 3/2/04 | |
| LOCATION: See Plate I | | DATE: 3/2/04 | COMPLETION DEPTH: 6.0' | |
| | | TEST NUMBER: B-2 | | |
| ELEV. (FT) | DESCRIPTION | DEPTH (FT) | SYMBOL | REMARKS |
| | Dark gray Fine SAND with surficial roots (SP) (A-3) | 0 | | Surface Elevation: Unknown |
| | Very dark brown silty Fine SAND with finely divided organic material (SM) (A-2-4) | | | (B-2 is located in heavily wooded area.) |
| | Dark reddish-brown slightly silty Fine SAND (SP-SM) (A-3) | 1 | | |
| | Orangish-brown slightly silty Fine SAND (SP-SM) (A-3) | | | |
| | | 2 | | |
| | Light brown slightly silty Fine SAND (SP-SM) (A-3) | | | |
| | | 3 | | |
| | | | | |
| | | 4 | | |
| | Light grayish-brown silty Fine SAND (SM) (A-2-4) | | | |
| | | 5 | | |
| | | | | |
| | | 6 | | |
| | | | | |
| | | 7 | | |



DRIGGERS ENGINEERING SERVICES INCORPORATED

| HAND AUGER BORING LOG | | | | |
|---|--|---------------------------------|----------------------------------|---|
| PROJECT: County Line Industrial Park Hillsborough County, Florida Project No.: DES 045101 | | CLIENT: Genesis Group | | |
| TECHNICIAN: T.A. | | WATER TABLE: 4.2' | DATE: 3/2/04 | |
| LOCATION: See Plate I | | DATE: 3/2/04 | COMPLETION DEPTH: 6.0' | |
| | | TEST NUMBER: B-3 | | |
| ELEV. (FT) | DESCRIPTION | DEPTH (FT) | SYMBOL | REMARKS |
| | Dark brown organic, silty Fine SAND (SM/Pt) (A-8) | 0 | | Surface Elevation: Unknown (B-3 is located in heavily wooded area.) |
| | | | | |
| | Dark brown slightly silty Fine SAND with finely divided organic material (SP-SM) (A-3) | 1 | | |
| | | | | |
| | Light brown slightly silty Fine SAND (SP-SM) (A-3) | | | |
| | | | | |
| | | 2 | | |
| | | | | |
| | | | | |
| | | 3 | | |
| | | | | |
| | | | | |
| | Light grayish-brown silty Fine SAND (SM) (A-2-4) | 4 | | |
| | | | | |
| | | 5 | | |
| | | | | |
| | | 6 | | |
| | | | | |
| | | | | |
| | | 7 | | |

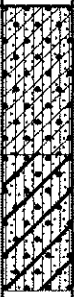
DRIGGERS ENGINEERING SERVICES INCORPORATED

| | | | |
|--|---------------------|-------------------------------|--------------------------------|
| Project No. <u>DES 045101</u> | | BORING NO. <u>B-4</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion Depth <u>41.5'</u> | Date <u>3/15/04</u> | Depth To Water <u>3.8'</u> | Time _____ Date <u>3/15/04</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | |
|-----------|--------|---------|---|--|---|----|----|----|----|
| | | | | | 10 | 20 | 40 | 60 | 80 |
| | | | SURF. EL: +138.2+/-' | | | | | | |
| 0 | | | Brown Fine SAND with trace of roots (SP) (A-3) | | | | | | |
| | | | Light brown to tan Fine SAND (SP) (A-3) | | | | | | |
| | | | Light brown Fine SAND (SP) (A-3) | | | | | | |
| 5 | | | Dark brown to brown slightly silty Fine SAND with finely divided organic material (SP-SM) (A-3) | 1/1/2 | | | | | |
| | | | Very loose to medium dense grayish-brown to dark brown silty Fine SAND (SM) (A-2-4) | 2/2/3 | | | | | |
| 10 | | | | 3/5/6 | | | | | |
| | | | - light grayish-brown with trace of cemented sand at depth 12.0' | 3/7/9 | | | | | |
| 15 | | | - brown at depth 15.0' | 5/8/11 | | | | | |
| | | | Medium dense very light gray Fine SAND (SP) (A-3) | | | | | | |
| | | | Medium dense grayish-brown silty, slightly clayey Fine SAND (SM) (A-2-4) | 8/11/12 | | | | | |
| 20 | | | | | | | | | |
| | | | Medium dense grayish-brown clayey Fine SAND (SC) (A-2-6) | 6/8/7 | | | | | |
| 25 | | | | | | | | | |
| | | | Medium dense to loose grayish-green phosphatic, silty, clayey Fine SAND (SC) (A-2-7) | 6/5/6 | | | | | |
| 30 | | | | | | | | | |

| | |
|---------------|---------------------|
| Remarks _____ | Casing Length _____ |
|---------------|---------------------|

| | | | |
|--|--------------------|-----------------------|---|
| Project No. <u>DES 045101</u> | | BORING NO. B-4 | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion | Depth <u>41.5'</u> | Date <u>3/15/04</u> | Depth To Water <u>3.8'</u> Time _____ Date <u>3/15/04</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | |
|-----------|---|---------|--|--------------------------------------|--|----|----|----|----|
| | | | | | 10 | 20 | 40 | 60 | 80 |
| | | | SURF. EL: +138.2+/-' | | | | | | |
| 35 |  | | Medium dense to loose grayish-green phosphatic, silty, clayey Fine SAND (SC) (A-2-7) | 3/4/3 | • | | | | |
| 40 | | | Firm gray phosphatic, silty, sandy CLAY (CH) (A-7-6) | 3/3/4 | • | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |
| 65 | | | | | | | | | |

| | |
|---------------|---------------------|
| Remarks _____ | Casing Length _____ |
|---------------|---------------------|

DRIGGERS ENGINEERING SERVICES INCORPORATED

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| Project No. <u>DES 045101</u> | | BORING NO. <u>B-5</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion | | Depth To | |
| Depth <u>40.4'</u> | Date <u>3/12/04</u> | Water <u>4.9'</u> | Time _____ Date <u>3/12/04</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | | |
|----------------------|--------|---------|--|--|---|----|----|----|----|--|
| | | | | | 10 | 20 | 40 | 60 | 80 | |
| SURF. EL: +138.6+/-' | | | | | | | | | | |
| 0 | | | Dark brown Fine SAND with finely divided organic material (SP) (A-3) | | | | | | | |
| | | | Light brown Fine SAND (SP) (A-3) | | | | | | | |
| | | | Grayish-brown Fine SAND with trace of cemented sand (SP) (A-3) | | | | | | | |
| 5 | | | Gray silty Fine SAND with trace of cemented sand (SM) (A-2-4) | 3/2/2 | | | | | | |
| | | | Very loose to loose brown to light brown slightly silty Fine SAND (SP-SM) (A-3) | 2/3/3 | | | | | | |
| 10 | | | | 3/2/4 | | | | | | |
| | | | | 2/2/3 | | | | | | |
| 15 | | | Stiff green phosphatic, sandy CLAY (CH) (A-7-6) | 5/5/9 | | | | | | |
| | | | Stiff tan dolomitic SILT (ML) (A-6) | | | | | | | |
| 20 | | | | 4/5/8 | | | | | | |
| | | | Medium dense green phosphatic, clayey Fine SAND with seams of weathered LIMESTONE (SC) (A-2-7) | 4/5/10 | | | | | | |
| 25 | | | | | | | | | | |
| | | | Loose brown and tan phosphatic, silty, clayey Fine SAND with limestone fragments (SC) (A-2-7) | 6/3/4 | | | | | | |
| 30 | | | | | | | | | | |
| | | | Hard brown and dark tan phosphatic, (1) | | | | | | | |

| | |
|--|----------------------------|
| Remarks <u>Borehole Grouted</u> | Casing Length _____ |
| <u>(1) sandy CLAY (CH) (A-7-6)</u> | |

DRIGGERS ENGINEERING SERVICES INCORPORATED



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|--|--|--------------------------------|--|
| Project No. <u>DES 045101</u> | | BORING NO. <u>B-5</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion Depth <u>40.4'</u> | | Date <u>3/12/04</u> | |
| Depth To Water <u>4.9'</u> | | Time _____ Date <u>3/12/04</u> | |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | |
|-----------|--------|---------|---|--------------------------------------|--|----|----|----|----|
| | | | | | 10 | 20 | 40 | 60 | 80 |
| | | | SURF. EL: +138.6+/-' | | | | | | |
| 35 | | | Hard brown and dark tan phosphatic, sandy CLAY (CH) (A-7-6) | 13/14/18 | | | | | |
| | | | Tan LIMESTONE | | | | | | |
| 40 | | | | 50* | | | | | |
| | | | | | | | | | |
| 45 | | | | | | | | | |
| | | | | | | | | | |
| 50 | | | | | | | | | |
| | | | | | | | | | |
| 55 | | | | | | | | | |
| | | | | | | | | | |
| 60 | | | | | | | | | |
| | | | | | | | | | |
| 65 | | | | | | | | | |
| | | | | | | | | | |

| | |
|---------------------------------|---------------------|
| Remarks <u>Borehole Grouted</u> | Casing Length _____ |
|---------------------------------|---------------------|

DRIGGERS ENGINEERING SERVICES INCORPORATED

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|--|--------------------|-----------------------|---|
| Project No. <u>DES 045101</u> | | BORING NO. <u>B-6</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion | Depth <u>41.5'</u> | Date <u>3/12/04</u> | Depth To Water <u>4.5'</u> Time _____ Date <u>3/12/04</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | |
|-----------|---|---------|--|--------------------------------------|--|----|----|----|----|
| | | | | | 10 | 20 | 40 | 60 | 80 |
| | | | SURF. EL: +138.6+/-' | | | | | | |
| 35 |  | | Tan LIMESTONE | 50* | * 0.5' Penetration | | | | |
| | | | | | | | | | |
| 40 |  | | Hard grayish-brown dolomitic SILT (ML) (A-6) | 11/16/24 | | | | | |
| | | | | | | | | | |
| 45 | | | | | | | | | |
| | | | | | | | | | |
| 50 | | | | | | | | | |
| | | | | | | | | | |
| 55 | | | | | | | | | |
| | | | | | | | | | |
| 60 | | | | | | | | | |
| | | | | | | | | | |
| 65 | | | | | | | | | |
| | | | | | | | | | |

| | |
|---------------------------------|---------------------|
| Remarks <u>Borehole Grouted</u> | Casing Length _____ |
|---------------------------------|---------------------|

DRIGGERS ENGINEERING SERVICES INCORPORATED

| | | | |
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| Project No. <u>DES 045101</u> | | BORING NO. <u>B-7</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion Depth <u>35.2'</u> | Date <u>3/15/04</u> | Depth To Water <u>2.8'</u> | Time _____ Date <u>3/15/04</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | | |
|----------------------|--------|---------|--|--|---|----|----|----|----|--|
| | | | | | 10 | 20 | 40 | 60 | 80 | |
| SURF. EL: +138.9+/-' | | | | | | | | | | |
| 0 | | | Gray to dark gray slightly organic Fine SAND (SP) (A-3) | | | | | | | |
| | | | Dark brown Fine SAND with finely divided organic material (SP) (A-3) | | | | | | | |
| | | | Brown slightly silty Fine SAND (SP-SM) (A-3) | | | | | | | |
| 5 | | | Grayish-brown silty, slightly clayey Fine SAND (SM) (A-2-4) | | | | | | | |
| | | | Gray clayey Fine SAND (SC) (A-2-6) | 4/5/9 | | | | | | |
| | | | Medium dense grayish-brown slightly silty Fine SAND (SP-SM) (A-3) | 6/7/7 | | | | | | |
| 10 | | | | 9/8/9 | | | | | | |
| | | | Dense grayish-brown silty, slightly clayey Fine SAND (SM) (A-2-4) | 18/15/20 | | | | | | |
| 15 | | | | 12/16/17 | | | | | | |
| | | | Very stiff green phosphatic, sandy CLAY (CH) (A-7-6) | 7/9/8 | | | | | | |
| 20 | | | | | | | | | | |
| | | | Very stiff orange and green CLAY (CH) (A-7-6) | 5/7/11 | | | | | | |
| 25 | | | | | | | | | | |
| | | | Tan LIMESTONE | | | | | | | |
| 30 | | | | 15/20/12 | | | | | | |

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| Remarks <u>Borehole Grouted</u> | Casing Length _____ |
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DRIGGERS ENGINEERING SERVICES INCORPORATED

Project No. DES 045101

BORING NO. B-7

Project County Line Industrial Park, Hillsborough County, Florida

Location See Plate I

Foreman

W.M.

Completion

Depth

35.2'

Date _____

3/15/04

Depth To

Water

2.8'

Time

Date _____

3/15/04

[illegible]

Remarks Borehole Grouted

Casing Length

DRIGGERS ENGINEERING SERVICES INCORPORATED

| | | | |
|--|---------------------|-------------------------------|--------------------------------|
| Project No. <u>DES 045101</u> | | BORING NO. <u>B-8</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion Depth <u>26.5'</u> | Date <u>3/15/04</u> | Depth To Water <u>4.1'</u> | Time _____ Date <u>3/15/04</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | |
|-----------|--------|---------|---|--|---|----|----|----|----|
| | | | | | 10 | 20 | 40 | 60 | 80 |
| | | | SURF. EL: +138.8+/-' | | | | | | |
| 0 | | | Dark gray slightly organic Fine SAND with roots (SP) (A-3) | | | | | | |
| | | | Light grayish-brown Fine SAND (SP) (A-3) | | | | | | |
| | | | Dark brown Fine SAND with finely divided organic material (SP) (A-3) | | | | | | |
| 5 | | | Brown slightly silty Fine SAND (SP-SM) (A-3) | | | | | | |
| | | | Loose brown silty Fine SAND with trace of cemented sand (SM) (A-2-4) | 4/5/6 | | | | | |
| | | | Medium dense grayish-brown clayey Fine SAND (SC) (A-2-6) | 6/8/7 | | | | | |
| 10 | | | Medium dense brown to grayish-brown silty, slightly clayey Fine SAND (SM) (A-2-4) | 5/5/7 | | | | | |
| | | | Very stiff green CLAY (CH) (A-7-6) | 4/7/8 | | | | | |
| 15 | | | Stiff gray phosphatic, sandy CLAY (CH) (A-7-6) | 5/6/7 | | | | | |
| | | | Tan LIMESTONE | | | | | | |
| 20 | | | | 13/15/17 | | | | | |
| 25 | | | | 6/8/11 | | | | | |
| 30 | | | | | | | | | |

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| Remarks <u>Borehole Grouted</u> | Casing Length _____ |
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DRIGGERS ENGINEERING SERVICES INCORPORATED

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|---|----------------------------|-----------------------------------|--|
| Project No. <u>DES 045101</u> | | BORING NO. <u>B-9</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion Depth <u>40.3'</u> | Date <u>3/15/04</u> | Depth To Water <u>3.1'</u> | Time _____ Date <u>3/15/04</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | | |
|-----------|--------|---------|---|--------------------------------------|--|----|----|----|----|--|
| | | | | | 10 | 20 | 40 | 60 | 80 | |
| 0 | | | SURF. EL: +138.8+/-' | | | | | | | |
| | | | Dark gray slightly organic Fine SAND with roots (SP) (A-3) | | | | | | | |
| | | | Dark brown to brown Fine SAND with finely divided organic material (SP) (A-3) | | | | | | | |
| | | | Brown Fine SAND (SP) (A-3) | | | | | | | |
| 5 | | | Brown slightly silty Fine SAND (SP-SM) (A-3) | | | | | | | |
| | | | Loose brown silty Fine SAND (SM) (A-2-4) | 3/3/4 | | | | | | |
| | | | Medium dense light grayish-brown Fine SAND (SP) (A-3) | 8/10/14 | | | | | | |
| 10 | | | Medium dense to dense grayish-brown silty, slightly clayey Fine SAND (SM) (A-2-4) | 12/13/14 | | | | | | |
| | | | | 18/21/20 | | | | | | |
| 15 | | | Dense grayish-brown clayey Fine SAND (SC) (A-2-6) | 14/18/17 | | | | | | |
| | | | Medium dense to loose green to light gray and green phosphatic, clayey Fine SAND (SC) (A-2-7) | 8/9/8 | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | 5/5/4 | | | | | | |
| | | | Tan dolomitic LIMESTONE | | | | | | | |
| 30 | | | | 3/11/50* | | | | | | |
| | | | Very stiff tan dolomitic SILT (ML) (A-6) | | | | | | | |

Remarks Borehole Grouted

Casing Length _____



DRIGGERS ENGINEERING SERVICES INCORPORATED

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|--|---------------------|-------------------------------|--------------------------------|
| Project No. <u>DES 045101</u> | | BORING NO. <u>B-9</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion Depth <u>40.3'</u> | Date <u>3/15/04</u> | Depth To Water <u>3.1'</u> | Time _____ Date <u>3/15/04</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP |
|-----------|--------|---------|--|--|---|
| | | | SURF. EL: +138.8+/-' | | 10 20 40 60 80 |
| 35 | | | Very stiff tan dolomitic SILT (ML) (A-6) | 15/10/15 | <p>* 0.3' Penetration</p> |
| 40 | | | Tan LIMESTONE | 50* | |
| 45 | | | | | |
| 50 | | | | | |
| 55 | | | | | |
| 60 | | | | | |
| 65 | | | | | |

| | |
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| Remarks <u>Borehole Grouted</u> | Casing Length _____ |
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DRIGGERS ENGINEERING SERVICES INCORPORATED

| HAND AUGER BORING LOG | | | | |
|---|--|---------------------------------|----------------------------------|---|
| PROJECT: County Line Industrial Park Hillsborough County, Florida Project No.: DES 045101 | | CLIENT: Genesis Group | | |
| TECHNICIAN: T.A. | | WATER TABLE: ** | DATE: 2/24/04 | |
| LOCATION: See Plate I | | DATE: 2/24/04 | COMPLETION DEPTH: 6.0' | |
| | | TEST NUMBER: B-10 | | |
| ELEV. (FT) | DESCRIPTION | DEPTH (FT) | SYMBOL | REMARKS |
| | Light grayish-brown Fine SAND (SP) (A-3) | 0 | | Surface Elevation: Unknown (Note: B-10 is located on top of stockpile approximately 12' high.) |
| | Brown slightly silty Fine SAND (SP-SM) (A-3) | 1 | | |
| | | | | |
| | | | | |
| | | | | |
| | Brown and gray Fine SAND (SP) (A-3) | 2 | | |
| | | | | |
| | | | | |
| | | | | |
| | | 3 | | |
| | | | | |
| | | | | |
| | | | | |
| | | 4 | | |
| | | | | |
| | | | | |
| | | 5 | | |
| | | | | |
| | | | | |
| | | 6 | | |
| | | | | |
| | | | | |
| | | | | |
| | | 7 | | |

** Groundwater not encountered within depth of 6.0'.



DRIGGERS ENGINEERING SERVICES INCORPORATED

Project No. DES 045101

BORING NO. B-11

Project County Line Industrial Park, Hillsborough County, Florida

Location See Plate I

Foreman _____

W.M. _____

Completion

Depth 40.5'

Date 3/12/04

Depth To

Water 3.6'

Time _____

Date 3/12/04

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | |
|-----------|--------|---------|---|--|---|----|----|----|----|
| | | | | | 10 | 20 | 40 | 60 | 80 |
| 0 | | | SURF. EL: +138.4+/-' | | | | | | |
| | | | Gray Fine SAND with roots and trace of finely divided organic material (SP) (A-3) | | | | | | |
| | | | Light brownish-gray Fine SAND (SP) (A-3) | | | | | | |
| | | | Dark brown Fine SAND with finely divided organic material (SP) (A-3) | | | | | | |
| 5 | | | Light brown Fine SAND (SP) (A-3) | | | | | | |
| | | | Light brown silty, slightly clayey Fine SAND (SM) (A-2-4) | | | | | | |
| | | | Medium dense gray clayey Fine SAND (SC) (A-2-6) | 4/9/10 | | | | | |
| | | | | 9/12/13 | | | | | |
| 10 | | | | 11/12/14 | | | | | |
| | | | Medium dense grayish-brown silty, slightly clayey Fine SAND (SM) (A-2-4) | 6/11/10 | | | | | |
| 15 | | | Medium dense grayish-brown to very light gray Fine SAND (SP) (A-3) | 8/9/12 | | | | | |
| 20 | | | | 7/10/12 | | | | | |
| | | | Very stiff green phosphatic, sandy CLAY (CH) (A-7-6) | 7/9/11 | | | | | |
| 25 | | | | | | | | | |
| | | | Hard light gray sandy CLAY with seams of LIMESTONE (CH) (A-7-6) | 18/23/13 | | | | | |
| 30 | | | | | | | | | |
| | | | Hard tan dolomitic SILT (ML) (A-6) | | | | | | |


Remarks Borehole Grouted

Casing Length _____



DRIGGERS ENGINEERING SERVICES INCORPORATED

| | | | |
|---|--|-------------------------------|-----------------------------------|
| Project No. <u>DES 045101</u> | | BORING NO. <u>B-11</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion Depth <u>40.5'</u> | | Date <u>3/12/04</u> | Depth To Water <u>3.6'</u> |
| | | Time _____ | Date <u>3/12/04</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | |
|-----------|---|---------|------------------------------------|--------------------------------------|--|----|----|----|----|
| | | | | | 10 | 20 | 40 | 60 | 80 |
| 35 |  | | SURF. EL: +138.4+/-' | | | | | | |
| | | | Hard tan dolomitic SILT (ML) (A-6) | 35/47/50* | * 0.2' Penetration | | | | |
| 40 | | | Tan LIMESTONE | 50* | * 0.5' Penetration | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |
| 65 | | | | | | | | | |

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| Remarks <u>Borehole Grouted</u> | Casing Length _____ |
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DRIGGERS ENGINEERING SERVICES INCORPORATED

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| Project No. <u>DES 045101</u> | | BORING NO. <u>B-12</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion Depth <u>41.5'</u> | Date <u>3/16/04</u> | Depth To Water <u>1.2'</u> | Time _____ Date <u>3/16/04</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | | |
|-----------|--------|---------|---|--|---|----|----|----|----|--|
| | | | | | 10 | 20 | 40 | 60 | 80 | |
| 0 | | | SURF. EL: +135.9+/-' | | | | | | | |
| | | | Dark gray slightly organic Fine SAND (SP) (A-3) | | | | | | | |
| | | | Brown Fine SAND (SP) (A-3) | | | | | | | |
| | | | Light brown Fine SAND (SP) (A-3) | | | | | | | |
| | | | Very light brown slightly silty Fine SAND (SP-SM) (A-3) | | | | | | | |
| 5 | | | | | | | | | | |
| | | | Loose grayish-brown slightly silty Fine SAND (SP-SM) (A-3) | 3/4/4 | | | | | | |
| | | | Medium dense brown silty Fine SAND (SM) (A-2-4) | 5/7/13 | | | | | | |
| 10 | | | | | | | | | | |
| | | | Medium dense light grayish-brown Fine SAND (SP) (A-3) | 7/9/9 | | | | | | |
| | | | Dense to medium dense grayish-brown silty, slightly clayey Fine SAND (SM) (A-2-4) | 12/18/14 | | | | | | |
| 15 | | | | | | | | | | |
| | | | Medium dense gray clayey Fine SAND (SC) (A-2-6) | 10/11/17 | | | | | | |
| 20 | | | | | | | | | | |
| | | | | 4/8/9 | | | | | | |
| 25 | | | | | | | | | | |
| | | | | 12/11/12 | | | | | | |
| 30 | | | Very stiff green phosphatic, sandy CLAY with seams of Coarse SAND (CH/SP) (A-7-6) | | | | | | | |
| | | | | 3/7/9 | | | | | | |
| | | | Tan LIMESTONE | | | | | | | |

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| Remarks <u>Borehole Grouted</u> | Casing Length _____ |
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3/16/04

Casing Length



DRIGGERS ENGINEERING SERVICES INCORPORATED

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| Project No. <u>DES 045101</u> | | BORING NO. B-13 | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion Depth <u>21.5'</u> | Date <u>3/17/04</u> | Depth To Water <u>2.6'</u> | Time _____ Date <u>3/17/04</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | | |
|-----------|--------|---------|--|--|---|----|----|----|----|--|
| | | | | | 10 | 20 | 40 | 60 | 80 | |
| 0 | | | SURF. EL: +135.0+/-' | | | | | | | |
| | | | Gray Fine SAND with roots (SP) (A-3) | | | | | | | |
| | | | Dark brown Fine SAND with finely divided organic material (SP) (A-3) | | | | | | | |
| | | | Light brown Fine SAND (SP) (A-3) | | | | | | | |
| 5 | | | Gray and orange silty, slightly clayey Fine SAND (SM) (A-2-4) | | | | | | | |
| | | | Very light brown silty Fine SAND (SM) (A-2-4) | | | | | | | |
| | | | Very light brown silty, clayey Fine SAND (SM-SC) (A-2-4) | 1/4/5 | | | | | | |
| | | | Loose grayish-brown clayey Fine SAND (SC) (A-2-6) | 4/5/7 | | | | | | |
| 10 | | | Medium dense brown slightly silty Fine SAND (SP-SM) (A-3) | 9/12/15 | | | | | | |
| | | | Medium dense to dense gray silty, slightly clayey Fine SAND (SM) (A-2-4) | 10/15/17 | | | | | | |
| 15 | | | Medium dense gray clayey Fine SAND (SC) (A-2-6) | 9/10/12 | | | | | | |
| | | | Loose gray and dark green silty, slightly clayey Fine SAND (SM) (A-2-4) | 3/4/5 | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |

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| Remarks _____ | Casing Length _____ |
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DRIGGERS ENGINEERING SERVICES INCORPORATED

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| Project No. <u>DES 045101</u> | | BORING NO. <u>B-14</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion Depth <u>21.5'</u> | Date <u>3/17/04</u> | Depth To Water <u>5.4'</u> | Time _____ Date <u>2/23/04</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | | |
|-----------|--------|---------|---|--|---|----|----|----|----|--|
| | | | | | 10 | 20 | 40 | 60 | 80 | |
| 0 | | | SURF. EL: +134.7+/-' | | | | | | | |
| | | | Gray to dark gray Fine SAND with roots (SP) (A-3) | | | | | | | |
| | | | Dark brown Fine SAND with finely divided organic material (SP) (A-3) | | | | | | | |
| | | | Light brown Fine SAND (SP) (A-3) | | | | | | | |
| 5 | | | Very light brown silty, slightly clayey Fine SAND (SM) (A-2-4) | | | | | | | |
| | | | Loose brown slightly silty Fine SAND (SP-SM) (A-3) | 3/4/5 | | | | | | |
| | | | Medium dense grayish-brown Fine SAND (SP) (A-3) | 5/11/14 | | | | | | |
| 10 | | | Dense gray silty Fine SAND (SM) (A-2-4) | 8/16/17 | | | | | | |
| | | | Medium dense grayish-brown silty, slightly clayey Fine SAND (SM) (A-2-4) | 9/11/14 | | | | | | |
| 15 | | | Very stiff green and brown sandy CLAY (CH) (A-7-6) | 5/7/12 | | | | | | |
| | | | Medium dense gray and dark gray silty, slightly clayey Fine SAND (SM) (A-2-4) | 5/7/8 | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |

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| Remarks _____ | Casing Length _____ |
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DRIGGERS ENGINEERING SERVICES INCORPORATED

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| Project No. <u>DES 045101</u> | | BORING NO. <u>B-15</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion Depth <u>41.5'</u> | Date <u>3/17/04</u> | Depth To Water <u>4.6'</u> | Time _____ Date <u>2/23/04</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | | |
|-----------|--------|---------|--|--|---|----|----|----|----|--|
| | | | | | 10 | 20 | 40 | 60 | 80 | |
| 0 | | | SURF. EL: +134.6+/-' | | | | | | | |
| | | | Gray Fine SAND with roots and trace of finely divided organic material (SP) (A-3) | | | | | | | |
| | | | Dark brown Fine SAND with finely divided organic material (SP) (A-3) | | | | | | | |
| | | | Light brown Fine SAND (SP) (A-3) | | | | | | | |
| 5 | | | Orange slightly silty Fine SAND (SP-SM) (A-3) | | | | | | | |
| | | | Very loose very light brown to very light grayish-brown slightly silty Fine SAND (SP-SM) (A-3) | 2/2/2 | | | | | | |
| | | | Medium dense brown silty Fine SAND (SM) (A-2-4) | 9/7/10 | | | | | | |
| 10 | | | Medium dense light gray Fine SAND (SP) (A-3) | 4/10/10 | | | | | | |
| | | | Dense grayish-brown slightly silty Fine SAND (SP-SM) (A-3) | 11/21/22 | | | | | | |
| 15 | | | Dense gray silty, slightly clayey Fine SAND (SM) (A-2-4) | 9/17/16 | | | | | | |
| | | | Very stiff light gray sandy CLAY (CH) (A-7-6) | | | | | | | |
| 20 | | | | 6/8/7 | | | | | | |
| | | | Loose light gray and dark gray phosphatic, clayey Fine SAND (SC) (A-2-7) | 4/5/4 | | | | | | |
| 25 | | | | | | | | | | |
| | | | Stiff grayish-tan dolomitic SILT (ML) (A-6) | | | | | | | |
| 30 | | | | 5/6/7 | | | | | | |
| | | | Tan LIMESTONE | | | | | | | |

| | |
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| Remarks <u>Borehole Grouted</u> | Casing Length _____ |
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DRIGGERS ENGINEERING SERVICES INCORPORATED

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| Project No. <u>DES 045101</u> | | BORING NO. <u>B-15</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion Depth <u>41.5'</u> | | Date <u>3/17/04</u> | |
| Depth To Water <u>4.6'</u> | | Time _____ Date <u>2/23/04</u> | |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | |
|-----------|--------|---------|--|--------------------------------------|--|----|----|----|----|
| | | | | | 10 | 20 | 40 | 60 | 80 |
| 35 | | | Tan LIMESTONE | 10/18/35 | | | | | |
| 40 | | | Medium dense tan calcareous, clayey Fine SAND (SC) (A-2-6) | 2/6/8 | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |
| 65 | | | | | | | | | |

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| Remarks <u>Borehole Grouted</u> | Casing Length _____ |
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DRIGGERS ENGINEERING SERVICES INCORPORATED

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| Project No. <u>DES 045101</u> | | BORING NO. <u>B-16</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion | Depth <u>40.8'</u> | Date <u>3/16/04</u> | Depth To Water <u>0.6'</u> Time <u> </u> Date <u>3/16/04</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | | |
|-----------|--------|---------|--|--------------------------------------|--|----|----|----|----|--|
| | | | | | 10 | 20 | 40 | 60 | 80 | |
| 0 | | | SURF. EL: +135.9+/-' | | | | | | | |
| | | | Dark gray slightly organic Fine SAND (SP) (A-3) | | | | | | | |
| | | | Grayish-brown Fine SAND (SP) (A-3) | | | | | | | |
| | | | Dark brown silty Fine SAND with finely divided organic material (SM) (A-2-4) | | | | | | | |
| | | | Brown Fine SAND (SP) (A-3) | | | | | | | |
| 5 | | | Grayish-brown silty Fine SAND (SM) (A-2-4) | | | | | | | |
| | | | Medium dense light grayish-brown silty Fine SAND (SM) (A-2-4) | 5/10/11 | | | | | | |
| | | | Medium dense gray silty, slightly clayey Fine SAND (SM) (A-2-4) | 9/8/12 | | | | | | |
| 10 | | | Medium dense grayish-brown to brown silty Fine SAND (SM) (A-2-4) | 8/11/14 | | | | | | |
| | | | | 7/11/14 | | | | | | |
| | | | Medium dense to dense light gray to grayish-brown Fine SAND (SP) (A-3) | 9/15/21 | | | | | | |
| 15 | | | Medium dense dark grayish-brown to gray silty Fine SAND (SM) (A-2-4) | 10/11/10 | | | | | | |
| 20 | | | | | | | | | | |
| | | | | 10/9/11 | | | | | | |
| 25 | | | | | | | | | | |
| | | | Hard green and brown sandy CLAY (CH) (A-7-6) | | | | | | | |
| 30 | | | | 7/15/28 | | | | | | |
| | | | Hard tan dolomitic SILT (ML) (A-6) | | | | | | | |

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| Remarks <u>Borehole Grouted</u> | Casing Length <u> </u> |
|---------------------------------|---------------------------------|



DRIGGERS ENGINEERING SERVICES INCORPORATED

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| Project No. <u>DES 045101</u> | | BORING NO. <u>B-16</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion Depth <u>40.8'</u> | Date <u>3/16/04</u> | Depth To Water <u>0.6'</u> | Time _____ Date <u>3/16/04</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | |
|-----------|--------|---------|------------------------------------|--|---|----|----|----|----|
| | | | | | 10 | 20 | 40 | 60 | 80 |
| 35 | | | SURF. EL: +135.9+/-' | | | | | | |
| | | | Hard tan dolomitic SILT (ML) (A-6) | 7/12/34 | | | | | |
| 40 | | | Tan LIMESTONE | 42/50* | * 0.3' Penetration | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |
| 65 | | | | | | | | | |

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| Remarks <u>Borehole Grouted</u> | Casing Length _____ |
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DRIGGERS ENGINEERING SERVICES INCORPORATED

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| Project No. <u>DES 045101</u> | | BORING NO. <u>B-17</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion Depth <u>40.8'</u> | Date <u>3/16/04</u> | Depth To Water <u>0.3'</u> | Time _____ Date <u>3/16/04</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | | |
|----------------------|--------|---------|--|--|---|----|----|----|----|--|
| | | | | | 10 | 20 | 40 | 60 | 80 | |
| SURF. EL: +134.1+/-' | | | | | | | | | | |
| 0 | | | Dark gray slightly organic Fine SAND with roots (SP) (A-3) | | | | | | | |
| | | | Light brown and gray Fine SAND (SP) (A-3) | | | | | | | |
| | | | Light grayish-brown Fine SAND (SP) (A-3) | | | | | | | |
| 5 | | | Light gray silty Fine SAND (SM) (A-2-4) | | | | | | | |
| | | | Light gray Fine SAND (SP) (A-3) | | | | | | | |
| | | | Medium dense gray silty, slightly clayey Fine SAND (SM) (A-2-4) | 8/11/9 | | | | | | |
| | | | Medium dense brownish-gray silty Fine SAND (SM) (A-2-4) | 9/14/9 | | | | | | |
| 10 | | | Medium dense brownish-gray silty, slightly clayey Fine SAND (SM) (A-2-4) | 11/13/16 | | | | | | |
| | | | | 10/13/14 | | | | | | |
| 15 | | | Very dense to dense dark grayish-brown silty Fine SAND (SM) (A-2-4) | 17/26/28 | | | | | | |
| 20 | | | | | | | | | | |
| | | | | 11/12/20 | | | | | | |
| 25 | | | Very stiff green CLAY (CH) (A-7-6) | 8/12/14 | | | | | | |
| | | | | | | | | | | |
| 30 | | | Medium dense green and gray phosphatic, clayey Fine SAND (SC) (A-2-7) | 7/11/12 | | | | | | |
| | | | | | | | | | | |
| | | | Very stiff green phosphatic, sandy CLAY (1) | | | | | | | |

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| Remarks <u>Borehole Grouted</u> | Casing Length _____ |
| <u>(1) (CH) (A-7-6)</u> | |



DRIGGERS ENGINEERING SERVICES INCORPORATED

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|--|--------------------|------------------------|---|
| Project No. <u>DES 045101</u> | | BORING NO. <u>B-17</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion | Depth <u>40.8'</u> | Date <u>3/16/04</u> | Depth To Water <u>0.3'</u> Time _____ Date <u>3/16/04</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | | |
|-----------|--------|---------|--|--------------------------------------|--|----|----|----|----|--|
| | | | | | 10 | 20 | 40 | 60 | 80 | |
| | | | SURF. EL: +134.1+/-' | | | | | | | |
| 35 | | | Very stiff green phosphatic, sandy CLAY (CH) (A-7-6) | 8/10/10 | | | | | | |
| | | | Tan LIMESTONE | | | | | | | |
| 40 | | | | 35/50* | | | | | | |
| | | | | | | | | | | |
| 45 | | | | | | | | | | |
| | | | | | | | | | | |
| 50 | | | | | | | | | | |
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| 55 | | | | | | | | | | |
| | | | | | | | | | | |
| 60 | | | | | | | | | | |
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| 65 | | | | | | | | | | |
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| Remarks <u>Borehole Grouted</u> | Casing Length _____ |
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DRIGGERS ENGINEERING SERVICES INCORPORATED

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| Project No. <u>DES 045101</u> | | BORING NO. <u>B-18</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion Depth <u>41.5'</u> Date <u>3/16/04</u> | | Depth To Water <u>0.3'</u> Time _____ Date <u>3/16/04</u> | |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | | |
|----------------------|--------|---------|--|--|---|----|----|----|----|--|
| | | | | | 10 | 20 | 40 | 60 | 80 | |
| SURF. EL: +133.8+/-' | | | | | | | | | | |
| 0 | | | Dark gray organic Fine SAND (SP-SM/Pt) (A-8) | | | | | | | |
| | | | Yellowish-tan Fine SAND (SP) (A-3) | | | | | | | |
| | | | Orangish-brown slightly silty Fine SAND with trace of cemented sand (SP-SM) (A-3) | | | | | | | |
| | | | Tan Fine SAND (SP) (A-3) | | | | | | | |
| 5 | | | | | | | | | | |
| | | | Very loose to medium dense gray to grayish-brown silty Fine SAND (SM) (A-2-4) | 3/1/2 | | | | | | |
| | | | | 6/7/12 | | | | | | |
| 10 | | | Dense dark grayish-brown to grayish-brown silty, slightly clayey Fine SAND (SM) (A-2-4) | 12/15/22 | | | | | | |
| | | | | 11/15/18 | | | | | | |
| 15 | | | Medium dense grayish-brown phosphatic, clayey Fine SAND (SC) (A-2-7) | 8/10/16 | | | | | | |
| | | | Tan dolomitic LIMESTONE | | | | | | | |
| 20 | | | | 11/7/34 | | | | | | |
| | | | Very stiff tan sandy CLAY (CH) (A-7-6) | | | | | | | |
| 25 | | | | 9/10/13 | | | | | | |
| | | | Very stiff to hard tan dolomitic SILT (ML) (A-6) | | | | | | | |
| 30 | | | | 8/12/7 | | | | | | |

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| Remarks <u>Borehole Grouted</u> | Casing Length _____ |
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DRIGGERS ENGINEERING SERVICES INCORPORATED

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| Project No. <u>DES 045101</u> | | BORING NO. <u>B-18</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion | Depth <u>41.5'</u> | Date <u>3/16/04</u> | Depth To Water <u>0.3'</u> |
| | | Time | Date <u>3/16/04</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | | | |
|-----------|--------|---------|--|--------------------------------------|--|----|----|----|----|--|--|
| | | | | | 10 | 20 | 40 | 60 | 80 | | |
| 35 | | | SURF. EL: +133.8+/-' Very stiff to hard tan dolomitic SILT (ML) (A-6) | 6/9/11 | | | | | | | |
| 40 | | | | 7/15/44 | | | | | | | |
| 45 | | | | | | | | | | | |
| 50 | | | | | | | | | | | |
| 55 | | | | | | | | | | | |
| 60 | | | | | | | | | | | |
| 65 | | | | | | | | | | | |
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| Remarks <u>Borehole Grouted</u> | Casing Length _____ |
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DRIGGERS ENGINEERING SERVICES INCORPORATED

HAND AUGER BORING LOG

| | | | |
|---|--|---------------------------------|----------------------------------|
| PROJECT: County Line Industrial Park Hillsborough County, Florida Project No.: DES 045101 | | CLIENT: Genesis Group | |
| TECHNICIAN: T.A. | | WATER TABLE: +1.0' | DATE: 3/2/04 |
| LOCATION: See Plate I | | DATE: 3/2/04 | COMPLETION DEPTH: 0.0' |
| | | TEST NUMBER: B-19 | |

| ELEV. (FT) | DESCRIPTION | DEPTH (FT) | SYMBOL | REMARKS |
|---------------|-------------|---------------|--------|---|
| | | 0 | | Surface Elevation: Unknown |
| | | | | |
| | | | | |
| | | 1 | | (Note: B-19 is located in existing wetland.) |
| | | | | |
| | | | | |
| | | 2 | | |
| | | | | |
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| | | 3 | | |
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| | | 4 | | |
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| | | 5 | | |
| | | | | |
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| | | 6 | | |
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| | | | | |
| | | 7 | | |



DRIGGERS ENGINEERING SERVICES INCORPORATED

HAND AUGER BORING LOG

| | | | |
|---|--|---------------------------------|----------------------------------|
| PROJECT: County Line Industrial Park Hillsborough County, Florida Project No.: DES 045101 | | CLIENT: Genesis Group | |
| TECHNICIAN: T.A. | | WATER TABLE: +1.2' | DATE: 3/2/04 |
| LOCATION: See Plate I | | DATE: 3/2/04 | COMPLETION DEPTH: 0.0' |
| | | TEST NUMBER: B-20 | |

| ELEV. (FT) | DESCRIPTION | DEPTH (FT) | SYMBOL | REMARKS |
|---------------|-------------|---------------|--------|---|
| | | 0 | | Surface Elevation: Unknown |
| | | | | |
| | | | | |
| | | 1 | | (Note: B-20 is located in existing wetland.) |
| | | | | |
| | | | | |
| | | 2 | | |
| | | | | |
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| | | 3 | | |
| | | | | |
| | | | | |
| | | 4 | | |
| | | | | |
| | | | | |
| | | 5 | | |
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| | | 6 | | |
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| | | | | |
| | | 7 | | |



DRIGGERS ENGINEERING SERVICES INCORPORATED

HAND AUGER BORING LOG

| | | | |
|---|--|---------------------------------|----------------------------------|
| PROJECT: County Line Industrial Park Hillsborough County, Florida Project No.: DES 045101 | | CLIENT: Genesis Group | |
| TECHNICIAN: T.A. | | WATER TABLE: +1.2' | DATE: 3/2/04 |
| LOCATION: See Plate I | | DATE: 3/2/04 | COMPLETION DEPTH: 0.0' |
| | | TEST NUMBER: B-21 | |

| ELEV. (FT) | DESCRIPTION | DEPTH (FT) | SYMBOL | REMARKS |
|---------------|-------------|---------------|--------|---|
| | | 0 | | Surface Elevation: Unknown |
| | | | | |
| | | | | |
| | | 1 | | (Note: B-21 is located in existing wetland.) |
| | | | | |
| | | | | |
| | | 2 | | |
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| | | 3 | | |
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| | | | | |
| | | 4 | | |
| | | | | |
| | | | | |
| | | 5 | | |
| | | | | |
| | | | | |
| | | 6 | | |
| | | | | |
| | | | | |
| | | 7 | | |



DRIGGERS ENGINEERING SERVICES INCORPORATED

| HAND AUGER BORING LOG | | | | |
|---|-------------|---------------------------------|----------------------------------|---|
| PROJECT: County Line Industrial Park Hillsborough County, Florida Project No.: DES 045101 | | CLIENT: Genesis Group | | |
| | | WATER TABLE: +1.3' | DATE: 3/2/04 | |
| TECHNICIAN: T.A. | | DATE: 3/2/04 | COMPLETION DEPTH: 0.0' | |
| LOCATION: See Plate I | | TEST NUMBER: B-22 | | |
| ELEV. (FT) | DESCRIPTION | DEPTH (FT) | SYMBOL | REMARKS |
| | | 0 | | Surface Elevation: Unknown |
| | | | | |
| | | | | |
| | | 1 | | (Note: B-22 is located in existing wetland.) |
| | | | | |
| | | | | |
| | | 2 | | |
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| | | 3 | | |
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| | | 4 | | |
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| | | 5 | | |
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| | | 6 | | |
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| | | 7 | | |



DRIGGERS ENGINEERING SERVICES INCORPORATED

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|--|--------------------|------------------------|----------------------------|
| Project No. <u>DES 045101</u> | | BORING NO. <u>B-23</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion | Depth <u>21.5'</u> | Date <u>3/12/04</u> | Depth To Water <u>3.3'</u> |
| | | Time | Date <u>3/12/04</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | | |
|-----------|--------|---------|--|--------------------------------------|--|----|----|----|----|--|
| | | | | | 10 | 20 | 40 | 60 | 80 | |
| 0 | | | SURF. EL: +139.4+/-' | | | | | | | |
| | | | Gray to dark gray Fine SAND with roots and trace of finely divided organic material (SP) (A-3) | | | | | | | |
| | | | Dark grayish-brown Fine SAND with finely divided organic material and roots (SP) (A-3) | | | | | | | |
| 5 | | | Dark reddish-brown weakly cemented Fine SAND with finely divided organic material (SP) (A-3) | | | | | | | |
| | | | Light brown Fine SAND (SP) (A-3) | 2/3/4 | | | | | | |
| | | | Very light brown slightly silty Fine SAND (SP-SM) (A-3) | 3/4/10 | | | | | | |
| 10 | | | Brown slightly silty Fine SAND (SP-SM) (A-3) | 10/10/14 | | | | | | |
| | | | Loose to medium dense dark brown silty Fine SAND with finely divided organic material (SM) (A-2-4) | 10/15/14 | | | | | | |
| | | | Medium dense brown silty Fine SAND (SM) (A-2-4) | | | | | | | |
| 15 | | | Medium dense very light gray Fine SAND (SP) (A-3) | 13/14/12 | | | | | | |
| | | | Medium dense gray silty, slightly clayey Fine SAND (SM) (A-2-4) | | | | | | | |
| 20 | | | Medium dense dark gray silty Fine SAND (SM) (A-2-4) | 13/13/11 | | | | | | |
| | | | | | | | | | | |
| 25 | | | | | | | | | | |
| | | | | | | | | | | |
| 30 | | | | | | | | | | |

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| Remarks | Casing Length |
|---------|---------------|



DRIGGERS ENGINEERING SERVICES INCORPORATED

Project No. DES 045101 **BORING NO. B-24**
Project County Line Industrial Park, Hillsborough County, Florida
Location See Plate I Foreman W.M.
Completion Depth 21.5' Date 3/15/04 Depth To Water 3.8' Time _____ Date 3/15/04

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | |
|---------------|--------|---------|--|--------------------------------------|--|----|----|----|----|
| | | | | | 10 | 20 | 40 | 60 | 80 |
| | | | SURF. EL: +138.1+/-' | | | | | | |
| 0 | | | Dark gray to gray Fine SAND with roots and trace of finely divided organic material (SP) (A-3) | | | | | | |
| | | | Dark reddish-brown weakly cemented Fine SAND with finely divided organic material (SP) (A-3) | | | | | | |
| 5 | | | Light brown Fine SAND (SP) (A-3) | | | | | | |
| | | | Loose gray silty, slightly clayey Fine SAND (SM) (A-2-4) | 2/4/6 | | | | | |
| | | | Medium dense grayish-brown silty Fine SAND (SM) (A-2-4) | 3/5/6 | | | | | |
| 10 | | | Medium dense to dense light brown slightly silty Fine SAND (SP-SM) (A-3) | 5/9/11 | | | | | |
| | | | | 8/12/19 | | | | | |
| 15 | | | Dense grayish-brown clayey Fine SAND (SC) (A-2-6) | 13/16/19 | | | | | |
| | | | Medium dense light gray and green phosphatic, clayey Fine SAND (SC) (A-2-7) | 7/8/10 | | | | | |
| 20 | | | | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |
| Remarks _____ | | | | | Casing Length _____ | | | | |



DRIGGERS ENGINEERING SERVICES INCORPORATED

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|--|--|--------------------------------|--|
| Project No. <u>DES 045101</u> | | BORING NO. <u>B-25</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion Depth <u>21.5'</u> | | Date <u>3/17/04</u> | |
| Depth To Water <u>1.1'</u> | | Time _____ Date <u>3/17/04</u> | |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | | |
|-----------|--------|---------|---|--------------------------------------|---|----|----|----|----|--|
| | | | | | 10 | 20 | 40 | 60 | 80 | |
| 0 | | | SURF. EL: +135.8+/-' | | | | | | | |
| | | | Dark gray organic, silty Fine SAND with roots (SM/Pt) (A-8) | | | | | | | |
| | | | Dark brown silty Fine SAND with finely divided organic material (SM) (A-2-4) | | | | | | | |
| | | | Grayish-brown silty Fine SAND (SM) (A-2-4) | | | | | | | |
| 5 | | | | | | | | | | |
| | | | Medium dense light brown slightly silty Fine SAND (SP-SM) (A-3) | 5/7/9 | | | | | | |
| | | | Medium dense gray to gray and brown silty, slightly clayey Fine SAND (SM) (A-2-4) | 10/10/7 | | | | | | |
| 10 | | | | 11/13/11 | | | | | | |
| | | | Dense light grayish-brown Fine SAND (SP) (A-3) | 15/16/17 | | | | | | |
| | | | Medium dense dark grayish-brown silty Fine SAND (SM) (A-2-4) | 12/13/13 | | | | | | |
| 15 | | | | | | | | | | |
| | | | | | | | | | | |
| 20 | | | | 7/11/13 | | | | | | |
| | | | | | | | | | | |
| 25 | | | | | | | | | | |
| | | | | | | | | | | |
| 30 | | | | | | | | | | |

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| Remarks _____ | Casing Length _____ |
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DRIGGERS ENGINEERING SERVICES INCORPORATED

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| Project No. <u>DES 045101</u> | | BORING NO. <u>B-26</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion Depth <u>21.5'</u> | Date <u>3/17/04</u> | Depth To Water <u>0.5'</u> | Time _____ Date <u>3/17/04</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | | |
|-----------|--------|---------|--|--|---|----|----|----|----|--|
| | | | | | 10 | 20 | 40 | 60 | 80 | |
| 0 | | | SURF. EL: Unknown ** | | | | | | | |
| | | | 2" Root Mat | | | | | | | |
| | | | Dark grayish-brown slightly silty Fine SAND with finely divided organic material (SP-SM) (A-3) | | | | | | | |
| | | | Grayish-brown slightly silty Fine SAND (SP-SM) (A-3) | | | | | | | |
| 5 | | | Orangish-brown slightly silty Fine SAND with trace of cemented sand (SP-SM) (A-3) | 3/6/6 | | | | | | |
| | | | Grayish-brown silty Fine SAND (SM) (A-2-4) | 3/7/8 | | | | | | |
| | | | Medium dense brown silty Fine SAND with roots (SM) (A-2-4) | 10/14/19 | | | | | | |
| 10 | | | Medium dense light grayish-brown slightly silty Fine SAND (SP-SM) (A-3) | 14/21/22 | | | | | | |
| | | | Dense dark brown Fine SAND with finely divided organic material (SP) (A-3) | | | | | | | |
| | | | Dense very light gray Fine SAND (SP) (A-3) | | | | | | | |
| | | | Dense grayish-brown silty Fine SAND (SM) (A-2-4) | | | | | | | |
| 15 | | | Dense gray silty, slightly clayey Fine SAND (SM) (A-2-4) | 14/15/17 | | | | | | |
| | | | Very stiff green phosphatic, sandy CLAY with limestone fragments (CH) (A-7-6) | 9/11/10 | | | | | | |
| 20 | | | | | | | | | | |
| | | | | | | | | | | |
| 25 | | | | | | | | | | |
| | | | | | | | | | | |
| 30 | | | | | | | | | | |

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| Remarks <u>Borehole Grouted</u> | Casing Length _____ |
| ** No topographical information available in this area | |



DRIGGERS ENGINEERING SERVICES INCORPORATED

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| Project No. <u>DES 045101</u> | | BORING NO. <u>B-27</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion Depth <u>21.5'</u> | Date <u>3/17/04</u> | Depth To Water <u>6.7'</u> | Time _____ Date <u>3/17/04</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | | |
|-----------|--------|---------|--|--|---|----|----|----|----|--|
| | | | | | 10 | 20 | 40 | 60 | 80 | |
| 0 | | | SURF. EL: +134.1+/-' | | | | | | | |
| | | | Gray Fine SAND with trace of roots and trace of finely divided organic material (SP) (A-3) | | | | | | | |
| | | | Brown Fine SAND (SP) (A-3) | | | | | | | |
| | | | Light brown Fine SAND (SP) (A-3) | | | | | | | |
| | | | Orange and gray silty Fine SAND (SM) (A-2-4) | | | | | | | |
| 5 | | | Light brown slightly silty Fine SAND (SP-SM) (A-3) | | | | | | | |
| | | | Medium dense grayish-brown silty, slightly clayey Fine SAND (SM) (A-2-4) | 7/7/6 | | | | | | |
| | | | Medium dense light gray Fine SAND (SP) (A-3) | 5/6/10 | | | | | | |
| 10 | | | | 4/9/10 | | | | | | |
| | | | Medium dense grayish-brown silty Fine SAND (SM) (A-2-4) | 6/8/10 | | | | | | |
| 15 | | | | 7/11/11 | | | | | | |
| | | | Dense grayish-green clayey Fine SAND (SC) (A-2-6) | 9/17/16 | | | | | | |
| 20 | | | | | | | | | | |
| | | | | | | | | | | |
| 25 | | | | | | | | | | |
| | | | | | | | | | | |
| 30 | | | | | | | | | | |

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| Remarks _____ | Casing Length _____ |
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DRIGGERS ENGINEERING SERVICES INCORPORATED

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| Project No. <u>DES 045101</u> | | BORING NO. <u>B-28</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion Depth <u>21.5'</u> | Date <u>3/17/04</u> | Depth To Water <u>2.2'</u> | Time _____ Date <u>3/17/04</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | | |
|-----------|--------|---------|--|--|---|----|----|----|----|--|
| | | | | | 10 | 20 | 40 | 60 | 80 | |
| 0 | | | SURF. EL: +135.9+/-' | | | | | | | |
| | | | Dark gray Fine SAND with trace of roots (SP) (A-3) | | | | | | | |
| | | | Dark brown Fine SAND with finely divided organic material (SP) (A-3) | | | | | | | |
| | | | Light brown Fine SAND (SP) (A-3) | | | | | | | |
| 5 | | | Grayish-brown silty Fine SAND with cemented sand (SM) (A-2-4) | | | | | | | |
| | | | Light grayish-brown slightly silty Fine SAND (SP-SM) (A-3) | 4/6/10 | | | | | | |
| | | | Medium dense light gray slightly silty Fine SAND (SP-SM) (A-3) | 8/10/11 | | | | | | |
| 10 | | | Medium dense gray silty Fine SAND (SM) (A-2-4) | 9/14/14 | | | | | | |
| | | | Medium dense very light gray Fine SAND (SP) (A-3) | 11/15/24 | | | | | | |
| | | | Dense gray silty Fine SAND (SM) (A-2-4) | 12/17/14 | | | | | | |
| 15 | | | Dense gray clayey Fine SAND (SC) (A-2-6) | | | | | | | |
| | | | Medium dense grayish-brown silty, clayey Fine SAND (SM-SC) (A-2-4) | 6/5/7 | | | | | | |
| 20 | | | | | | | | | | |
| | | | | | | | | | | |
| 25 | | | | | | | | | | |
| | | | | | | | | | | |
| 30 | | | | | | | | | | |

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| Remarks _____ | Casing Length _____ |
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DRIGGERS ENGINEERING SERVICES INCORPORATED

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| Project No. <u>DES 045101</u> | | BORING NO. <u>B-29</u> | |
| Project <u>County Line Industrial Park, Hillsborough County, Florida</u> | | | |
| Location <u>See Plate I</u> | | Foreman <u>W.M.</u> | |
| Completion Depth <u>21.5'</u> | Date <u>3/17/04</u> | Depth To Water <u>2.4'</u> | Time _____ Date <u>3/17/04</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | | |
|-----------|--------|---------|--|--|---|----|----|----|----|--|
| | | | | | 10 | 20 | 40 | 60 | 80 | |
| 0 | | | SURF. EL: +136.0+/-' | | | | | | | |
| | | | Dark gray Fine SAND (SP) (A-3) | | | | | | | |
| | | | Dark brown slightly silty Fine SAND with finely divided organic material (SP-SM) (A-3) | | | | | | | |
| | | | Grayish-brown Fine SAND (SP) (A-3) | | | | | | | |
| 5 | | | Dark grayish-brown silty Fine SAND (SM) (A-2-4) | | | | | | | |
| | | | Dark brown silty Fine SAND with finely divided organic material (SM) (A-2-4) | 2/3/3 | | | | | | |
| | | | Loose dark brown slightly silty Fine SAND with finely divided organic material (SP-SM) (A-3) | 3/4/10 | | | | | | |
| 10 | | | Medium dense dark brown silty Fine SAND with finely divided organic material (SM) (A-2-4) | 6/12/18 | | | | | | |
| | | | Dense dark brown slightly silty Fine SAND (SP-SM) (A-3) | 9/15/26 | | | | | | |
| 15 | | | Medium dense grayish-brown silty, slightly clayey Fine SAND (SM) (A-2-4) | 10/14/12 | | | | | | |
| | | | Stiff green sandy CLAY (CH) (A-7-6) | | | | | | | |
| 20 | | | | 5/6/8 | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |

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| Remarks _____ | Casing Length _____ |
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**STANDARD PENETRATION TEST BORING LOGS
(CURRENT STUDY)**

DRIGGERS ENGINEERING SERVICES INCORPORATED

| | | | |
|---|---------------------------|------------------------------|-----------------------------------|
| Project No. <u>DES 116682</u> | | BORING NO. <u>P-1</u> | |
| Project <u>Proposed Stormwater Ponds, County Line Farms Property, Plant City, FL</u> | | | |
| Location <u>See Plate II</u> | | Foreman <u>M.J.</u> | |
| Completion | Depth <u>41.5'</u> | Date <u>1/12/11</u> | Depth To Water <u>4.9'</u> |
| | | Time _____ | Date <u>1/12/11</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | | |
|----------------------|--------|---------|--|--------------------------------------|--|----|----|----|----|--|
| | | | | | 10 | 20 | 40 | 60 | 80 | |
| SURF. EL: +135.6+/-' | | | | | | | | | | |
| 0 | | | Grayish-brown Fine SAND (SP) (A-3) | | | | | | | |
| | | | Brown Fine SAND (SP) (A-3) | | | | | | | |
| | | | Medium dense light brown Fine SAND (SP) (A-3) | 4/5/7 | | | | | | |
| 5 | | | Loose light brown slightly silty Fine SAND (SP-SM) (A-3) | 5/4/3 | | | | | | |
| | | | Loose to medium dense light brown to grayish-brown Fine SAND (SP) (A-3) | 2/2/6 | | | | | | |
| | | | - light grayish-brown at depth 8.0' | 5/5/7 | | | | | | |
| 10 | | | | 5/6/10 | | | | | | |
| | | | Medium dense brown silty Fine SAND with seam of light brown clayey Fine SAND (SM/SC) (A-2-4/A-2-6) | 10/12/12 | | | | | | |
| 15 | | | Medium dense brown silty, slightly clayey Fine SAND (SM) (A-2-4) | 9/11/14 | | | | | | |
| 20 | | | Medium dense light green clayey Fine SAND (SC) (A-2-6) | 4/5/6 | | | | | | |
| 25 | | | Soft yellowish-orange to yellowish-orange and brown silty CLAY (CH) (A-7-6) | 3/1/6 | | | | | | |
| | | | Medium dense yellow silty Fine SAND (SM) (A-2-4) | | | | | | | |
| 30 | | | Very stiff to hard yellowish-brown to brown and yellowish-brown sandy CLAY (CH) to (CL) (A-7-6) | 9/9/12 | | | | | | |

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| Remarks <u>Borehole Grouted</u> | Casing Length _____ |
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DRIGGERS ENGINEERING SERVICES INCORPORATED

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| Project No. <u>DES 116682</u> | | BORING NO. <u>P-1</u> | |
| Project <u>Proposed Stormwater Ponds, County Line Farms Property, Plant City, FL</u> | | | |
| Location <u>See Plate II</u> | | Foreman <u>M.J.</u> | |
| Completion | Depth <u>41.5'</u> | Date <u>1/12/11</u> | Depth To Water <u>4.9'</u> |
| | | Time | Date <u>1/12/11</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | |
|-----------|--------|---------|---|--------------------------------------|--|----|----|----|----|
| | | | | | 10 | 20 | 40 | 60 | 80 |
| | | | SURF. EL: +135.6+/-' | | | | | | |
| 35 | | | Very stiff to hard yellowish-brown to brown and yellowish-brown sandy CLAY (CH) to (CL) (A-7-6) | 13/50* | * 0.4' Penetration | | | | |
| 40 | | | Hard light green silty CLAY (CL) (A-7-6) | 15/15/41 | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |
| 65 | | | | | | | | | |

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|---------------------------------|---------------------|
| Remarks <u>Borehole Grouted</u> | Casing Length _____ |
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DRIGGERS ENGINEERING SERVICES INCORPORATED

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| Project No. <u>DES 116682</u> | | BORING NO. <u>P-2</u> | |
| Project <u>Proposed Stormwater Ponds, County Line Farms Property, Plant City, FL</u> | | | |
| Location <u>See Plate II</u> | | Foreman <u>M.J.</u> | |
| Completion Depth <u>41.5'</u> | Date <u>1/12/11</u> | Depth To Water <u>9.3'</u> | Time _____ Date <u>1/12/11</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | |
|-----------|--------|---------|---|--|---|----|----|----|----|
| | | | | | 10 | 20 | 40 | 60 | 80 |
| | | | SURF. EL: +137.8+/-' | | | | | | |
| 0 | | | Dark gray Fine SAND with roots and finely divided organic material (SP) (A-3) | | | | | | |
| | | | Reddish-brown Fine SAND with trace of finely divided organic material (SP) (A-3) | 5/6/7 | | | | | |
| | | | Light brown Fine SAND (SP) (A-3) | | | | | | |
| 5 | | | Medium dense to very loose light orangish-brown to light brown slightly silty Fine SAND (SP-SM) (A-3) | 3/2/2 | | | | | |
| | | | Very loose light brown silty Fine SAND (SM) (A-2-4) | 2/2/2 | | | | | |
| | | | Very loose light brown slightly silty Fine SAND (SP-SM) (A-3) | 2/1/2 | | | | | |
| 10 | | | Medium dense light grayish-brown Fine SAND (SP) (A-3) | 4/7/7 | | | | | |
| | | | Medium dense grayish-brown clayey Fine SAND (SC) (A-2-6) | 6/8/7 | | | | | |
| 15 | | | Stiff grayish-brown sandy CLAY (CH) (A-7-6) | 4/4/7 | | | | | |
| 20 | | | Stiff light brown CLAY (CH) (A-7-6) | 5/4/5 | | | | | |
| 25 | | | Stiff green and yellowish-brown sandy CLAY with seams of brown Fine SAND (CH/SP) (A-7-6/A-3) | 5/4/5 | | | | | |
| 30 | | | Hard tan dolomitic SILT (ML) (A-4) | 13/17/17 | | | | | |
| | | | Hard brown silty CLAY (CL) (A-7-6) | | | | | | |

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| Remarks <u>Borehole Grouted</u> | Casing Length _____ |
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DRIGGERS ENGINEERING SERVICES INCORPORATED

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| Project No. <u>DES 116682</u> | | BORING NO. <u>P-2</u> | |
| Project <u>Proposed Stormwater Ponds, County Line Farms Property, Plant City, FL</u> | | | |
| Location <u>See Plate II</u> | | Foreman <u>M.J.</u> | |
| Completion Depth <u>41.5'</u> | Date <u>1/12/11</u> | Depth To Water <u>9.3'</u> | Time _____ Date <u>1/12/11</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | |
|-----------|--------|---------|------------------------------------|--|---|----|----|----|----|
| | | | | | 10 | 20 | 40 | 60 | 80 |
| | | | SURF. EL: +137.8+/-' | | | | | | |
| 35 | | | Hard brown silty CLAY (CL) (A-7-6) | 12/14/17 | | | | | |
| | | | | | | | | | |
| 40 | | | Hard green sandy CLAY (CL) (A-7-6) | 12/19/31 | | | | | |
| | | | | | | | | | |
| 45 | | | | | | | | | |
| | | | | | | | | | |
| 50 | | | | | | | | | |
| | | | | | | | | | |
| 55 | | | | | | | | | |
| | | | | | | | | | |
| 60 | | | | | | | | | |
| | | | | | | | | | |
| 65 | | | | | | | | | |
| | | | | | | | | | |

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| Remarks <u>Borehole Grouted</u> | Casing Length _____ |
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DRIGGERS ENGINEERING SERVICES INCORPORATED

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| Project No. <u>DES 116682</u> | | BORING NO. <u>P-3</u> | |
| Project <u>Proposed Stormwater Ponds, County Line Farms Property, Plant City, FL</u> | | | |
| Location <u>See Plate II</u> | | Foreman <u>M.J.</u> | |
| Completion Depth <u>41.5'</u> | Date <u>1/12/11</u> | Depth To Water <u>7.8'</u> | Time _____ Date <u>1/12/11</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | |
|-----------|--------|---------|--|--|---|----|----|----|----|
| | | | | | 10 | 20 | 40 | 60 | 80 |
| | | | SURF. EL: +138.7+/-' | | | | | | |
| 0 | | | Dark gray Fine SAND with roots and finely divided organic material (SP) (A-3) | | | | | | |
| | | | Tannish-brown Fine SAND (SP) (A-3) | | | | | | |
| | | | Loose to very loose light brown slightly silty Fine SAND (SP-SM) (A-3) | 3/3/4 | | | | | |
| 5 | | | | 3/2/2 | | | | | |
| | | | | 2/1/1 | | | | | |
| | | | Very loose light grayish-brown silty, clayey Fine SAND (SM-SC) (A-2-4/A-2-6) | 1/2/2 | | | | | |
| 10 | | | Medium dense light grayish-brown clayey Fine SAND (SC) (A-2-6) | 3/5/7 | | | | | |
| | | | | 5/7/6 | | | | | |
| 15 | | | Medium dense light grayish-brown silty Fine SAND (SM) (A-2-4) | | | | | | |
| | | | | 7/8/9 | | | | | |
| 20 | | | Very stiff green sandy CLAY with trace of phosphate (CH) (A-7-6) | | | | | | |
| | | | | 6/10/14 | | | | | |
| | | | Medium dense light grayish-brown phosphatic, silty, clayey Fine SAND (SM-SC) (A-2-4/A-2-6) | | | | | | |
| 25 | | | Firm green sandy CLAY with thin seams of dark brown Fine SAND (CH/SP) (A-7-6/A-3) | 3/3/4 | | | | | |
| | | | | | | | | | |
| | | | Very stiff tan dolomitic SILT (ML) (A-4) | | | | | | |
| 30 | | | | 3/8/15 | | | | | |
| | | | Hard brown CLAY (CL) (A-7-6) | | | | | | |

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| Remarks <u>Borehole Grouted</u> | Casing Length _____ |
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DRIGGERS ENGINEERING SERVICES INCORPORATED

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| Project No. <u>DES 116682</u> | | BORING NO. <u>P-3</u> | |
| Project <u>Proposed Stormwater Ponds, County Line Farms Property, Plant City, FL</u> | | | |
| Location <u>See Plate II</u> | | Foreman <u>M.J.</u> | |
| Completion Depth <u>41.5'</u> | Date <u>1/12/11</u> | Depth To Water <u>7.8'</u> | Time _____ Date <u>1/12/11</u> |

| DEPTH, FT | SYMBOL | SAMPLES | SOIL DESCRIPTION | BLOWS ON SAMPLER PER 6" OR PEN. STR. | STANDARD PENETRATION TEST BLOWS/FT. ON 2" O.D. SAMPLER-140 LB. HAMMER, 30" DROP | | | | |
|-----------|--------|---------|--|--|---|----|----|----|----|
| | | | | | 10 | 20 | 40 | 60 | 80 |
| | | | SURF. EL: +138.7+/-' | | | | | | |
| 35 | | | Hard brown CLAY (CL) (A-7-6) | 11/15/23 | | | • | | |
| 40 | | | Hard brown CLAY with yellowish-orange cemented clay fragments (CL) (A-7-6) | 11/14/17 | | | • | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |
| 65 | | | | | | | | | |

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|---------------------------------|---------------------|
| Remarks <u>Borehole Grouted</u> | Casing Length _____ |
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SUMMARY OF LABORATORY TEST RESULTS (BOTH STUDIES)

SUMMARY OF LABORATORY TEST RESULTS

| BORING NO. | DEPTH (ft) | DESCRIPTION | W % | Y _d (pcf) | G _s | ATTERBERG LIMITS | | | | P.P. (tsf) | U.C. | CON | G.S. | ORG (%) | pH | CL (ppm) | SO ₄ (ppm) | RES. (Ohm-cm) |
|------------|------------|---|------|----------------------|----------------|------------------|----|----|--|------------|------|-----|------|---------|----|----------|-----------------------|---------------|
| | | | | | | LL | PL | SL | | | | | | | | | | |
| B-1 | 0.0-0.7 | Dark gray highly organic Fine SAND with roots | | | | | | | | | | | | 10.2 | | | | |
| B-3 | 0.0-0.6 | Dark brown organic, silty Fine SAND | | | | | | | | | | | * | 5.4 | | | | |
| B-4 | 8.0-9.5 | Dark brown silty Fine SAND | | | | | | | | | | | * | | | | | |
| B-5 | 15.0-16.5 | Green phosphatic, sandy CLAY | 23.7 | | | 67 | 21 | | | | | | ** | 41.5 | | | | |
| B-7 | 15.0-16.5 | Grayish-brown silty, slightly clayey Fine SAND | 13.9 | | | 21 | 16 | | | | | | ** | 21.6 | | | | |
| B-8 | 10.0-11.5 | Grayish-brown silty, slightly clayey Fine SAND | 16.2 | | | 22 | 15 | | | | | | ** | 19.2 | | | | |
| B-11 | 6.0-7.5 | Gray clayey Fine SAND | 13.5 | | | 40 | 17 | | | | | | ** | 36.7 | | | | |
| B-12 | 12.0-13.5 | Grayish-brown silty, slightly clayey Fine SAND | 13.5 | | | NP | NP | | | | | | ** | 24.4 | | | | |
| B-14 | 1.0-2.6 | Dark brown Fine SAND with finely divided organic material | | | | | | | | | | | | 2.0 | | | | |
| B-16 | 6.0-7.5 | Light grayish-brown silty Fine SAND | | | | | | | | | | | * | | | | | |
| B-17 | 15.0-16.5 | Dark grayish-brown silty Fine SAND | | | | | | | | | | | * | | | | | |
| B-23 | 15.0-16.5 | Gray silty, slightly clayey Fine SAND | 13.2 | | | 21 | 15 | | | | | | ** | 20.4 | | | | |
| B-25 | 8.0-9.5 | Gray silty, slightly clayey Fine SAND | 13.0 | | | 22 | 17 | | | | | | ** | 30.2 | | | | |
| B-28 | 6.0-7.5 | Light gray slightly silty Fine SAND | | | | | | | | | | | * | | | | | |
| B-28 | 15.0-16.5 | Gray clayey Fine SAND | 12.4 | | | 36 | 16 | | | | | | ** | 25.2 | | | | |

| | | | | | |
|----------------------|---|------------------------|-----------------------|---|---------------------------------|
| W % | = | Water Content | Con. | = | Consolidation Test |
| Y _d (pcf) | = | Dry Density | G.S. (+1) | = | Grainsize Analysis (Hydrometer) |
| G _s | = | Specific Gravity | ORG. (%) | = | Organic Content |
| LL | = | Liquid Limit | Cl. (ppm) | = | Total Chloride |
| PL | = | Plastic Limit | SO ₄ (ppm) | = | Total Sulfate |
| SL | = | Shrinkage Limit | RES. (ohm-cm) | = | Lab Resistivity |
| P.P. (tsf) | = | Pocket Penetrometer | * | = | See Test Curves |
| U.C. | = | Unconfined Compression | ** | = | Percent Passing No. 200 Sieve |
| | | | CLIENT: | Genesis Group | |
| | | | PROJECT: | County Line Industrial Park, Hillsborough County, Florida | |
| | | | FILE: | DES 045101 | |

[illegible]

| | | | | | |
|----------------------|---|------------------------|-----------------------|---|---------------------------------|
| W % | = | Water Content | Con. | = | Consolidation Test |
| γ _d (pcf) | = | Dry Density | G.S. (+1) | = | Grainsize Analysis (Hydrometer) |
| G _s | = | Specific Gravity | ORG. (%) | = | Organic Content |
| LL | = | Liquid Limit | Cl. (ppm) | = | Total Chloride |
| PL | = | Plastic Limit | SO ₄ (ppm) | = | Total Sulfate |
| SL | = | Shrinkage Limit | RES. (ohm-cm) | = | Lab Resistivity |
| P.P. (tsf) | = | Pocket Penetrometer | * | = | See Test Curves |
| U.C. | = | Unconfined Compression | ** | = | Percent Passing No. 200 Sieve |

SUMMARY OF LABORATORY TEST RESULTS

| BORING NO. | DEPTH (ft) | DESCRIPTION | W % | Y _d (pcf) | G _s | ATTERBERG LIMITS | | | P.P. (tsf) | U.C. | CON. | G.S. | ORG. (%) | pH | Cl. (ppm) | SO ₄ (ppm) | RES. (Ohm-cm) |
|------------|------------|---|------|----------------------|----------------|------------------|----|----|------------|------|------|------|----------|----|-----------|-----------------------|---------------|
| | | | | | | LL | PL | SL | | | | | | | | | |
| P-1 | 4.0-5.5 | Light brown slightly silty Fine SAND | | | | | | | | | | * | | | | | |
| P-1 | 6.0-7.5 | Light brown Fine SAND | | | | | | | | | | * | | | | | |
| P-2 | 4.0-5.5 | Light brown slightly silty Fine SAND | | | | | | | | | | * | | | | | |
| P-3 | 2.0-3.5 | Light brown slightly silty Fine SAND | | | | | | | | | | * | | | | | |
| P-3 | 6.0-7.5 | Light brown slightly silty Fine SAND | | | | | | | | | | * | | | | | |
| P-3 | 8.0-9.5 | Light grayish-brown silty, clayey Fine SAND | 19.3 | | | 22 | 17 | | | | | ** | 22.5 | | | | |
| P-3 | 10.0-11.5 | Light grayish-brown clayey Fine SAND | 17.6 | | | 31 | 17 | | | | | ** | 33.1 | | | | |
| P-3 | 12.0-13.5 | Light grayish-brown clayey Fine SAND | 17.4 | | | 28 | 19 | | | | | ** | 21.6 | | | | |
| P-3 | 15.0-16.5 | Light grayish-brown silty Fine SAND | | | | | | | | | | * | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | |
|----------------------|---|------------------------|-----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| W % | = | Water Content | Con. | | | | | | | | | | | | | | | |
| Y _d (pcf) | = | Dry Density | G.S. (+1) | | | | | | | | | | | | | | | |
| G _s | = | Specific Gravity | ORG. (%) | | | | | | | | | | | | | | | |
| LL | = | Liquid Limit | Cl. (ppm) | | | | | | | | | | | | | | | |
| PL | = | Plastic Limit | SO ₄ (ppm) | | | | | | | | | | | | | | | |
| SL | = | Shrinkage Limit | RES. (ohm-cm) | | | | | | | | | | | | | | | |
| P.P. (tsf) | = | Pocket Penetrometer | * | | | | | | | | | | | | | | | |
| U.C. | = | Unconfined Compression | ** | | | | | | | | | | | | | | | |

CLIENT: County Line Farms, LLC

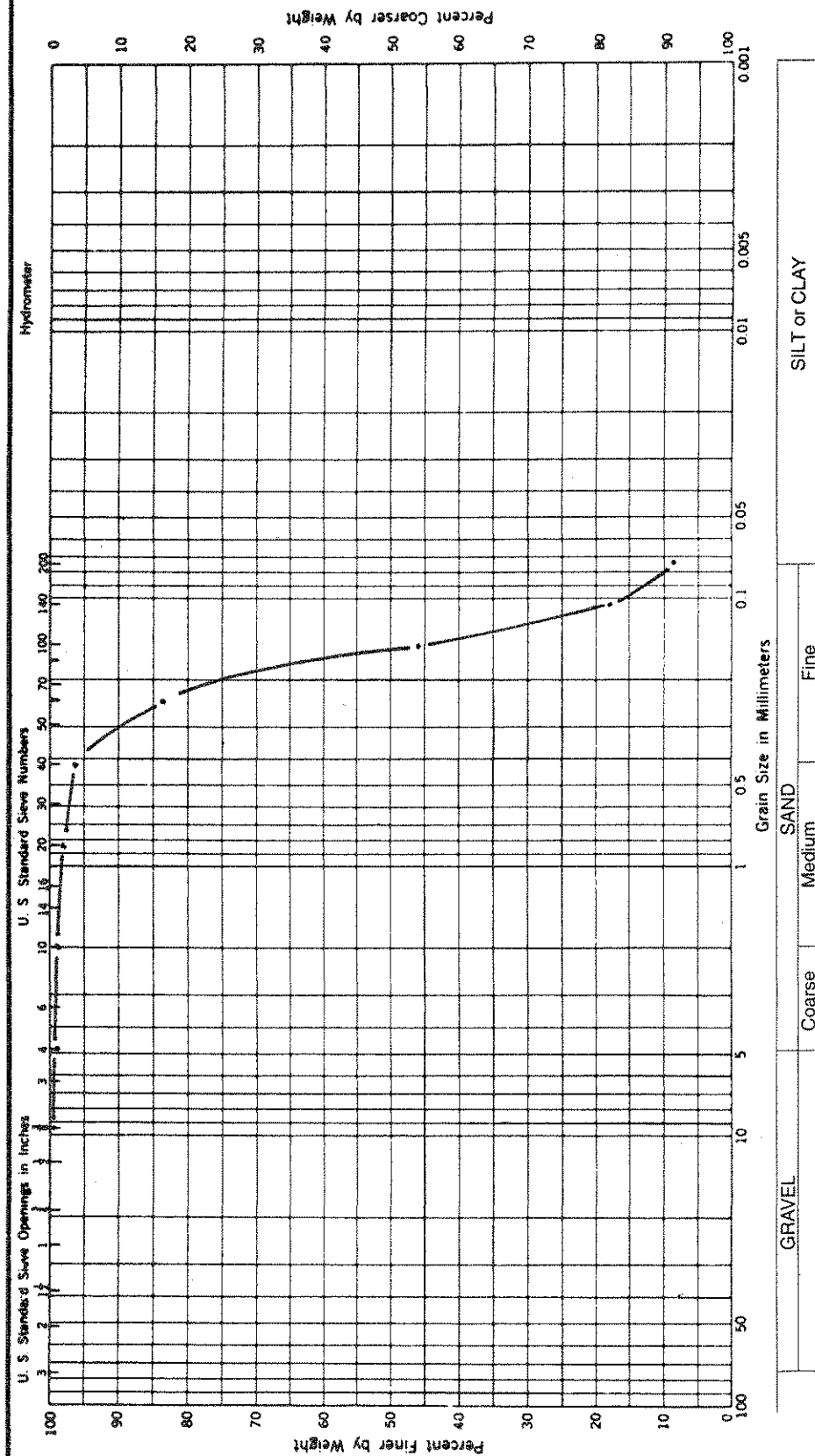
PROJECT: Proposed Stormwater Ponds,
County Line Farms Property, Plant City, Florida

FILE: DES 116682

Consolidation Test
Grainsize Analysis (Hydrometer)
Organic Content
Total Chloride
Total Sulfate
Lab Resistivity
See Test Curves
Percent Passing No. 200 Sieve

GRAINSIZE ANALYSES

DRIGGERS ENGINEERING SERVICES, INC.



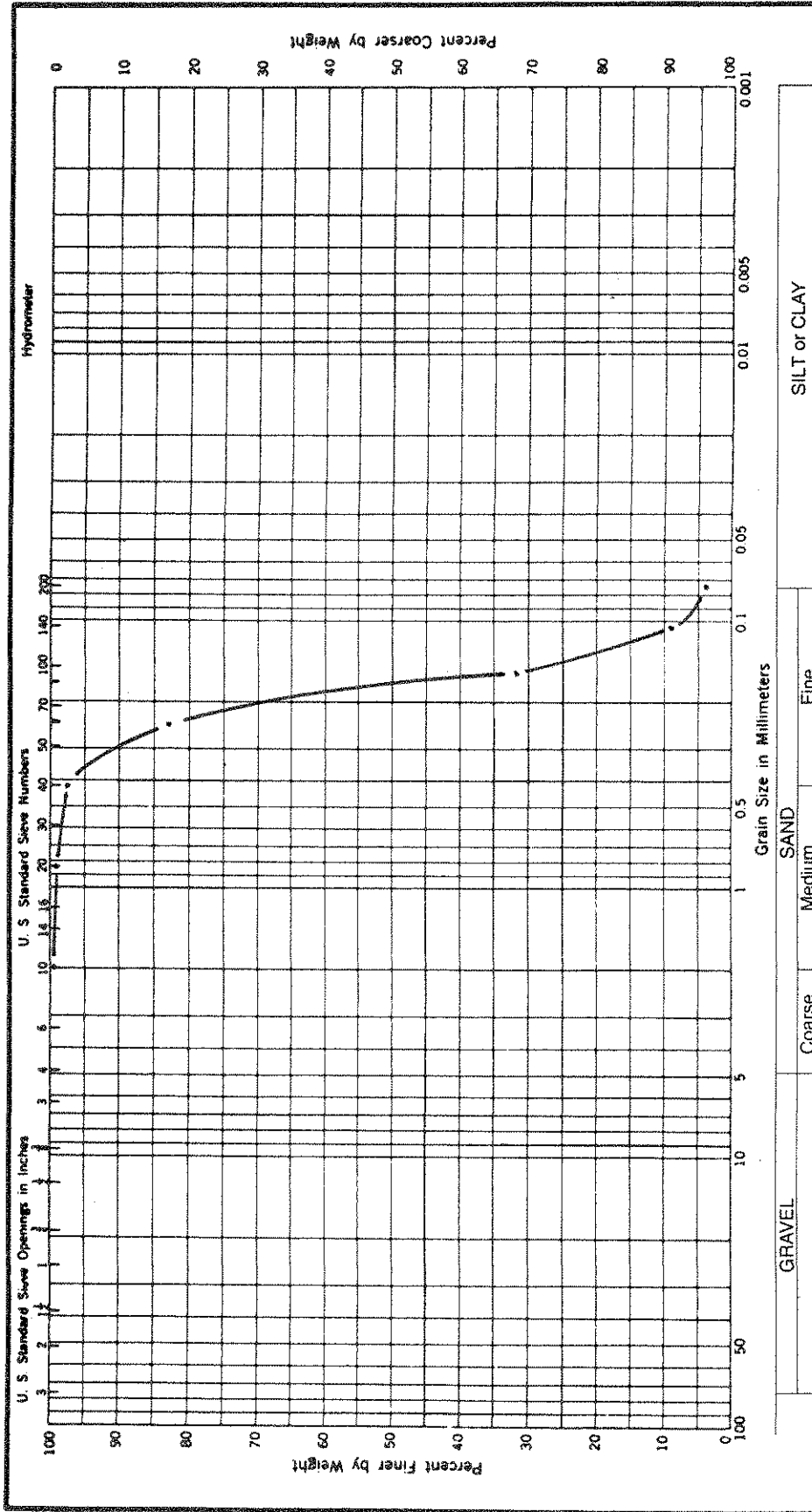
| Number | Depth | Natural Moisture | L L | P. L | P. I. | Classification |
|--------|-------------|------------------|-----|------|-------|--------------------------------------|
| P-1 | 4.0' - 5.5' | | | | | Light brown slightly silty Fine SAND |
| | | | | | | |
| | | | | | | |

CLIENT: County Line Farms, LLC

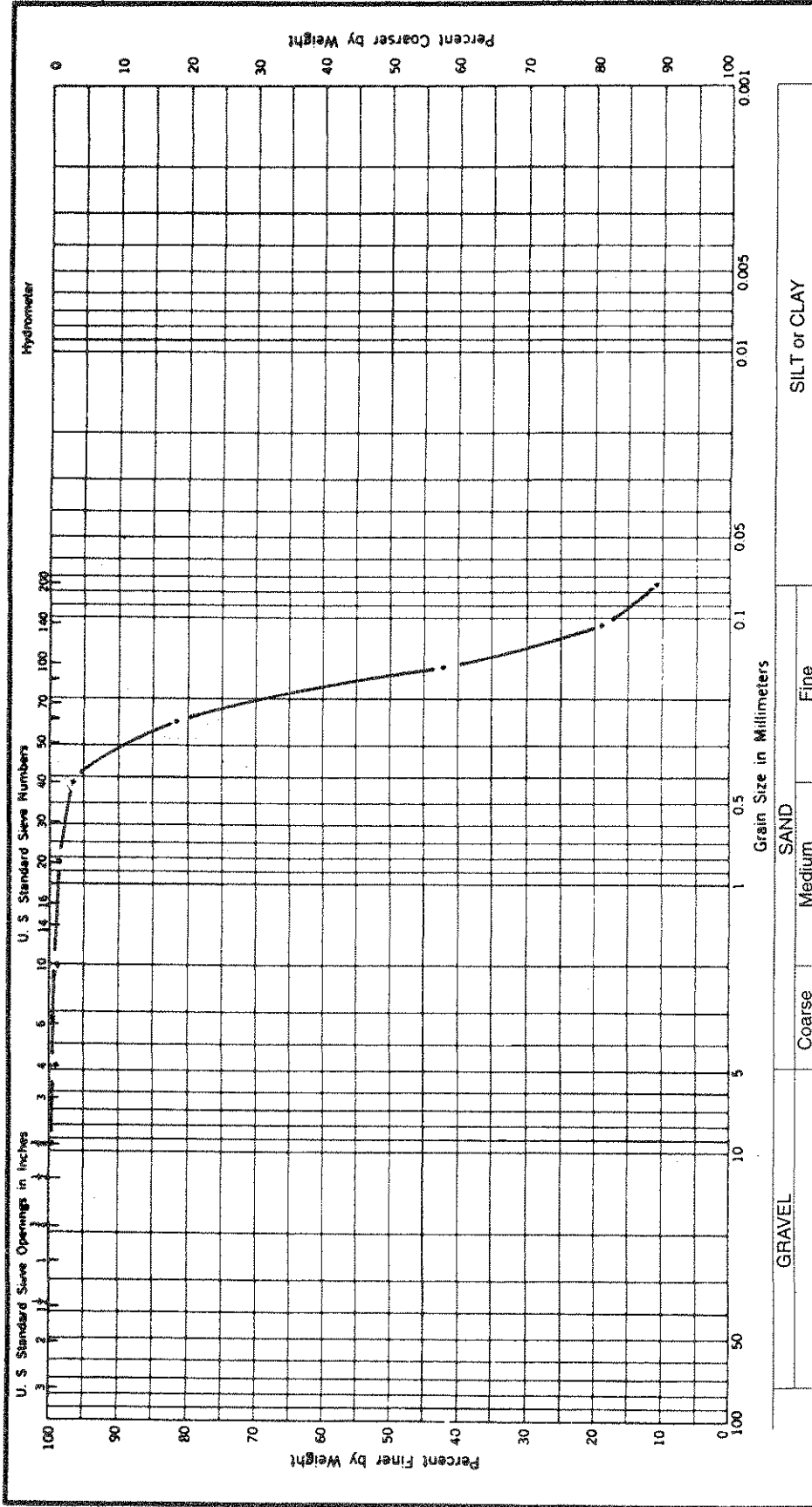
PROJECT: Proposed Stormwater Ponds,
County Line Farms Property,
Plant City, Florida

FILE: DES 116682

DRIGGERS ENGINEERING SERVICES, INC.



DRIGGERS ENGINEERING SERVICES, INC.



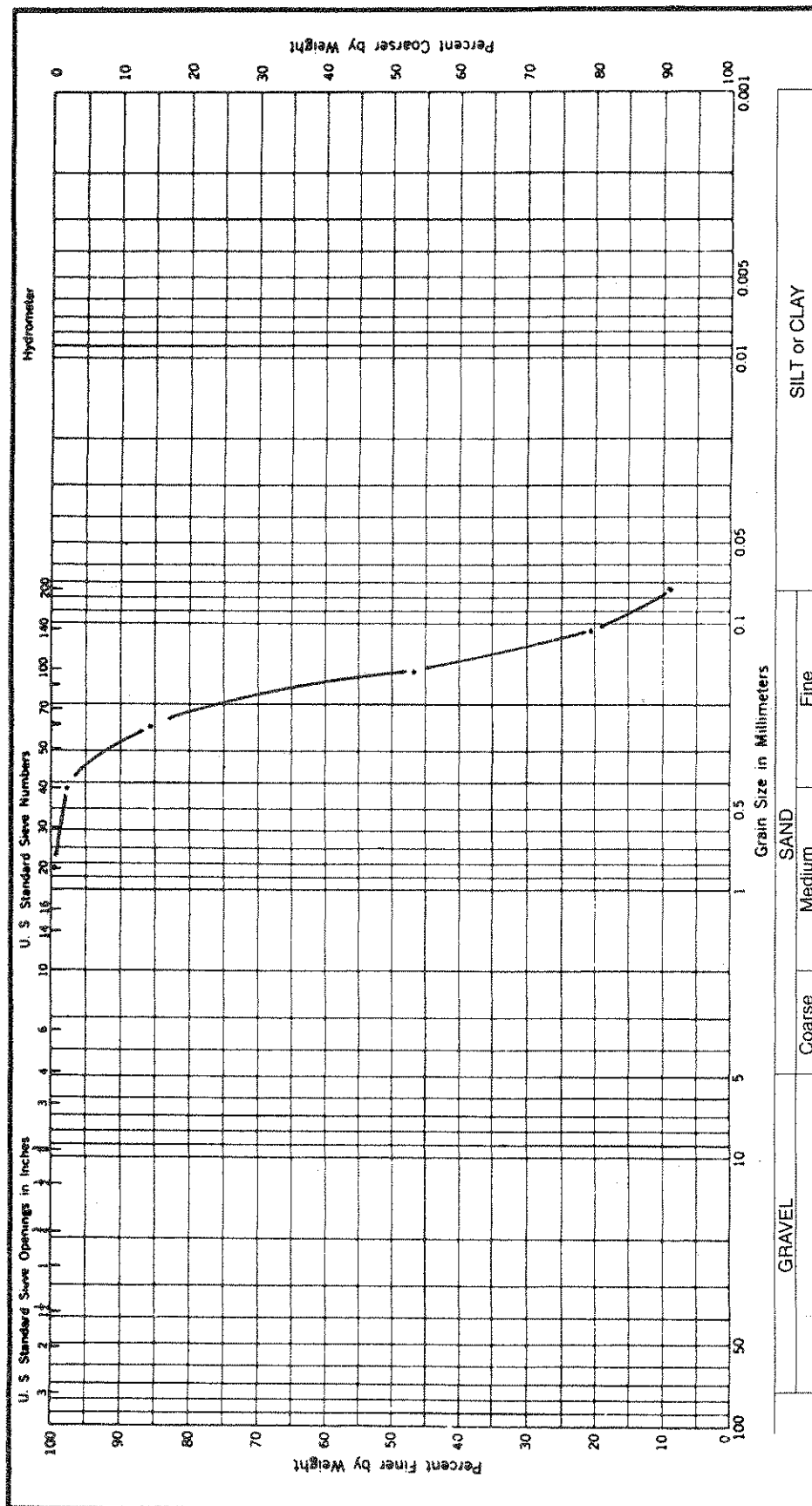
| Number | Depth | Natural Moisture | L.L. | P.L. | P.I. | Classification |
|--------|-------------|------------------|------|------|------|--------------------------------------|
| P-2 | 4.0' - 5.5' | | | | | Light brown slightly silty Fine SAND |
| | | | | | | |
| | | | | | | |
| | | | | | | |

CLIENT: County Line Farms, LLC

PROJECT: Proposed Stormwater Ponds,
County Line Farms Property,
Plant City, Florida

FILE: DES 116682

DRIGGERS ENGINEERING SERVICES, INC.



| Number | Depth | Natural Moisture | L.L. | P.L. | P.I. | Classification |
|--------|-------------|------------------|------|------|------|--------------------------------------|
| P-3 | 2.0' - 3.5' | | | | | Light brown slightly silty Fine SAND |
| | | | | | | |
| | | | | | | |

CLIENT: County Line Farms, LLC

PROJECT: Proposed Stormwater Ponds,
County Line Farms Property,
Plant City, Florida

FILE: DES 116682

| Number | Depth | Natural Moisture | L.L. | P.L. | P.I. | Classification |
|--------|-------------|------------------|------|------|------|--------------------------------------|
| P-3 | 6.0' - 7.5' | | | | | Light brown slightly silty Fine SAND |
| | | | | | | |
| | | | | | | |

U. S. Standard Sieve Openings in Inches

100 90 80 70 60 50 40 30 20 10 0

100 50 25 12.5 6.3 3.1 1.6 0.8 0.4 0.2 0.1 0.075 0.06 0.05 0.04 0.03 0.025 0.02 0.015 0.01 0.0075 0.006 0.005 0.004 0.003 0.002 0.0015 0.001

Grain Size in Millimeters

SAND Medium Fine

U. S. Standard Sieve Numbers

2 4 6 10 14 20 30 40 50 60 70 100 140 200

Percent Coarser by Weight

100 90 80 70 60 50 40 30 20 10 0

SILT or CLAY

GRAVEL

Coarse Medium Fine

CLIENT: County Line Farms, LLC

PROJECT: Proposed Stormwater Ponds, County Line Farms Property, Plant City, Florida

FILE: DES 116682

| Number | Depth | Natural Moisture | L.L. | P.L. | P.I. | Classification |
|--------|---------------|------------------|------|------|------|-------------------------------------|
| P-3 | 15.0' - 16.5' | | | | | Light grayish-brown silty Fine SAND |
| | | | | | | |
| | | | | | | |

CLIENT: County Line Farms, LLC
 PROJECT: Proposed Stormwater Ponds,
 County Line Farms Property,
 Plant City, Florida
 FILE: DES 116682

METHOD OF TESTING

STANDARD PENETRATION TEST WITH AUTOMATIC HAMMER AND SOIL CLASSIFICATION

STANDARD PENETRATION TEST (ASTM D-1586)

In the Standard Penetration Test borings, a rotary drilling rig is used to advance the borehole to the desired test depth. A viscous drilling fluid is circulated through the drill rods and bit to stabilize the borehole and to assist in removal of soil and rock cuttings up and out of the borehole.

Upon reaching the desired test depth, the 2 inch O.D. split-barrel sampler or "split-spoon", as it is sometimes called, is attached to an N-size drill rod and lowered to the bottom of the borehole. A 140 pound automatic hammer, attached to the drill string at the ground surface, is then used to drive the sampler into the formation. The hammer is successively raised and dropped for a distance of 30 inches using an automated lifting mechanism. The number of blows is recorded for each 6 inch interval of penetration or until virtual refusal is achieved. In the above manner, the samples are ideally advanced a total of 18 inches. The sum of the blows required to effect the final 12 inches of penetration is called the blowcount, penetration resistance or "N" value of the particular material at the sample depth.

After penetration, the rods and sampler are retracted to the ground surface where the core sample is removed, sealed in a glass jar and transported to the laboratory for verification of field classification and storage.

SOIL SYMBOLS AND CLASSIFICATION

Soil and rock samples secured in the field sampling operation were visually classified as to texture, color and consistency. Soil classifications are presented descriptively and symbolically for ease of interpretation. The stratum identification lines represent the approximate boundary between soil types. In many cases, this transition may be gradual.

Consistency of the soil as to relative density or undrained shear strength, unless otherwise noted, is based upon Standard Penetration resistance values of "N" values and industry-accepted standards. "N" values, or blowcounts, are presented in both tabular and graphical form on each respective boring log at each sample interval. The graphical plot of blowcount versus depth is for illustration purposes only and does not warrant continuity in soil consistency or linear variation between sample intervals.

The borings represent subsurface conditions at respective boring locations and sample intervals only. Variations in subsurface conditions may occur between boring locations. Groundwater depths shown represent water depths at the dates and time shown only. The absence of water table information does not necessarily imply that groundwater was not encountered.

