

Consultants in: Geotechnical Engineering • Environmental Engineering • Construction Materials Testing • Threshold Inspection

May 20, 2016

Larry Wray, P.E. CPH Engineers, Inc. 500 West Fulton Street Sanford, FL 32771

Reference: INITIAL GEOTECHNICAL EXPLORATION REPORT

Proposed Wal-Mart Store No. 3873-00

SEC I-75 and US Highway 441 Alachua, Alachua County, Florida UES Project No. 0795.1400110.0000

UES Report No. 1211903

Dear Mr. Wray:

Universal Engineering Sciences, Inc. has completed a subsurface exploration at the above referenced site in Alachua, Alachua County, Florida. The exploration was conducted in general accordance with authorized proposal 1173904, dated November 5, 2014. This exploration was performed in accordance with generally accepted soil and foundation engineering practices and Walmart's "Geotechnical Investigation Specifications and Report Requirements" dated September 8, 2014.

The following report presents the results of our field exploration and a geotechnical engineering interpretation of those results with respect to the project characteristics provided to us. Included are: general recommendations for site preparation procedures, foundation design parameters, pavement design and subgrade preparation. A final report will be issued upon receipt and disposition of comments and questions from the project design team.

We appreciate the opportunity to have worked with you on this project and look forward to a continued association. Please contact us if you have any questions, or if we may further assist you as your plans proceed.

Sincerely,

UNIVERSAL ENGINEERING SCIENCES, INC.

Certificate of Authorization Number 549

[Reviewed by:]

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Wal-Mart Store No: 3873-00 UES Project No. 0795.1400110 Date: May 20, 2016

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EXECUTIVE SUMMARY

We have prepared this executive summary as a general overview. Please refer to, and rely on, the full report for information about findings, recommendations, and other considerations.

Project Location and Description

The proposed Walmart Store No. 3873 will be a prototype C-151-SGR-QR and will be approximately 158,562 square feet, with truck well, associated drives and parking areas, and one (1) outparcel. The project site will be located near the southeast corner of Interstate-75 and US Highway 441, Alachua, Alachua County, Florida. Currently, the site is currently an undeveloped pasture.

Finish floor elevation for the proposed Wal-Mart Store No. 3873 will be set at 118 ft NAVD. We anticipate, within the building area, a significant amount of cut and fill (up to 20 foot of cut and 8 foot of fill) will be required to achieve the proposed finish floor elevation. A cut slope up to 20 feet in height will be at the southwest end. Existing elevations within the proposed building footprint range from approximately 110 ft to 138 ft NAVD. Additionally, we anticipate significant amounts of cut and fill to achieve the proposed parking and drive grades. Cuts of greater than 10 feet will be required in the higher elevations of the site.

Soil and Groundwater Conditions

Groundwater readings indicate the groundwater level varied from 3 to 23 feet below existing grade at 24 hours after soil samples were collected. The difference in groundwater levels can most likely be attributed to topographic differences across the site and varying depths of clayey sands and clays encountered at the site. We believe the encountered groundwater level is a result of a perched condition. Based on available data, we estimate the permanent water table to be near elevation +60 feet NAVD.

Based on the completed soil borings, the generalized subsurface soil profile consists of very loose to medium dense sands with varying silt and clay content in the upper 2 feet, underlain by very loose to medium dense silty sands and clayey sands with layers of clay at varying depths and thicknesses from a depth of 2 to 20 feet below existing grade to the boring termination depth of our most recent exploration, or until limestone was encountered. Hard limestone was encountered at one boring location (C-22a) within the proposed stormwater retention area during our most recent field exploration at 10.5 feet below existing grade. Limestone was encountered in previous explorations at depths ranging from 14.5 to 57 feet below existing grade and remained continuous to the boring termination depths with the exception of boring GB-16. Excavations into limestone may prove to be difficult and should be accounted for in construction. Organic soils, other than surficial topsoil, were not encountered at the boring locations performed.

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Groundwater Considerations

Groundwater levels and seasonal high groundwater levels may be affected by the proposed construction which will modify the surface and subsurface hydrology. It may be necessary to provide a permanent subsurface drainage system for some improvements to maintain the recommended separation between the perched water table and various structural elements in the building, pavement, and truck well areas.

Based upon the review of U.S.G.S. data, NRCS Soils Survey, and site boring data, a reasonable estimate for the temporary perched seasonal high groundwater table is from 0.5 to 1 foot below the existing land surface (bls). Based on available data, we estimate the permanent water table to be near elevation +60 feet NAVD. However, perched groundwater from seasonal rainfall and irrigation may affect the proposed improvements unless positive surface gradients and avoidance of trapped water conditions are incorporated into the site design.

Site Preparation

Site preparation for the Wal-Mart site will consist of stripping of surficial organics and clearing of trees/vegetation and their associated root systems greater than ½ inch in diameter, followed by cut and fill sections necessitating cut slopes of up to 20 feet in height and fill depths of up to 20 feet in the proposed parking areas. In addition selective undercut of the native in-situ expansive clays to provide a minimum of 5 feet of separation from the base of foundation footings and slab and selectively to 2 feet below the bottom of the stabilized subgrade component of the pavement section will be required. Normal proof-rolling and compaction of exposed subgrade, and filling to grade with compacted structural fill is also expected.

Foundation Design

After successful completion of the building site preparation, we recommend a shallow foundation system for support of the proposed building. The shallow spread foundations should be designed with a gross allowable soil bearing pressure of 3,000 pounds per square foot (psf) provided the building pad preparation recommendations presented in Section 9.3 of this report are followed. Additionally, we recommend that the continuous footings be designed with top and bottom steel in consideration of potential upward or downward flexure from minor movement/pressures from the undercut expansive clays to limit the potential heave to less than 1 inch. The steel size and placement should be designed by a registered structural engineer.

Pavement Design

A rigid or flexible pavement section could be used on this project. Flexible pavement combines the strength and durability of several layer components to produce an appropriate and cost-effective combination of available construction materials and is less susceptible to movement from the under laying clays. Concrete pavement has the advantage of the ability to "bridge" over isolated soft areas, it requires less security lighting, and it typically has a longer service life than asphalt pavement. However, concrete pavement can allow water intrusion which can aggravate

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the expansive soils. Recommendations for both rigid and flexible pavements are presented in Section 9.2 of this report.

Typically, the most prevalent flexible pavement base material in Alachua County is limerock because of its local availability. Alternative base materials may be considered.

On-site Borrow and Excavation Considerations

Excess topsoil and organic soil may be used in landscaped areas. Expansive clay material undercut from the building footprint and pavement and drive areas will need to be hauled off site or disposed of in non-structural areas.

With the exception of topsoil, debris, undiscovered organic soils and any expansive clay, some of the near surface on-site soils may be reused as structural fill, but they will require careful moisture control. Soils classified as SP, SP-SM and SP-SC which are excavated from the proposed stormwater management areas may be used for structural fill provided the organic content is less than 5 percent. Soils classified as SM and SC with less than 25 percent fines and less than 5 percent organic content are generally suitable for use as structural fill with the understanding that greater than normal moisture control will be required for compaction. SM and SC soils with more than 25 percent fines and Plasticity Index of 15 or less are generally not suitable for structural fill but may be used deeper than 5 feet below finished grades in pavement area fills and will require significant moisture conditioning and working to effect the recommended compaction. It should be expected that most site soils reused as fill material will require greater handling on the part of the earthwork contractor to dry and work the soils.

Limestone was encountered as shallow as about 10 to 15 feet below the existing surface in several boring locations. Pinnacles of limestone could impact excavation of deeper utility trenches at isolated locations and may be encountered at isolated locations in the stormwater pond location.

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1.0 INTRODUCTION

Universal Engineering Sciences, Inc. (UES) has completed the subsurface exploration for the proposed Wal-Mart Store No. 3873-00, which will be located at the SEC of I-75 and US Highway 441 in Alachua, Alachua County, Florida. Our exploration was authorized by Larry Wray, P.E. of CPH Engineers Inc. and was conducted as outlined in our Proposal Numbers 04WM-038J dated April 1, 2008, 04WM-038K dated May 29, 2008, 04WM-038L dated February 11, 2009 and 04WM-038M dated October 9, 2010, and 1173904 dated November 5, 2014. This exploration was performed in accordance with generally accepted soil and foundation engineering practices and Wal-Mart's "Geotechnical Investigation Specifications and Report Requirements", dated September 8, 2014.

Universal Engineering Sciences previously completed an initial geotechnical report for this project. These services are documented under our Report No. 863725, dated December 2, 2010, and Project No. 70080-077-06 dated April 30, 2005. Additionally, Geophysical Survey-Sinkhole Studies for the building and stormwater management areas of the site dated November 22, 2004, December 7, 2005, and January 24, 2006 and February 16, 2006 are included in Appendix E. The borings and tests associated with this previous study were considered and included in this engineering report.

Universal Engineering Sciences also reviewed a Phase I Environmental Site Assessment (ESA) of the property prepared by Universal Engineering Sciences, dated October 18, 2004. We have also reviewed a Phase II ESA report prepared by UES dated August 4, 2005. Additionally, UES reviewed a Phase I ESA update report prepared by UES dated July 17, 2006, and updated on May 2015. These reports were used to evaluate whether or not additional subsurface exploration was required because of cited subsurface environmental concerns such as dumps, landfills, buried organics, etc.

2.0 PROJECT CONSIDERATIONS

The geotechnical exploration was planned and executed based on a Site Plan dated May 8, 2014, revised February 17, 2015 prepared by CPH Engineers Inc. These plans were also used in developing the scope of the geotechnical subsurface exploration. The proposed Wal-Mart Store No. 3873 will include an approximately 158,562 square foot retail building, with truck well, associated drive and parking areas, and one (1) outparcel. The parking lot will occupy the western, eastern, and northern portion of the property. A stormwater management facility will be located along the north portion of the site.

The proposed Wal-Mart Store No. 3873 will be a single story, high bay commercial structure. The store building will be constructed of a combination of load-bearing concrete block walls and steel columns supporting roof loads by means of steel joist girders and steel joists. Typical bay spacing between columns is approximately 55 by 48 feet. Typical gravity loads for interior columns are 85 kips with a maximum total loading under severe live load conditions of 150 kips. Maximum column uplift force from wind is estimated at 30 kips. Typical gravity loads for exterior columns are 50 kips each. The concrete block wall gravity loads will range from 1.5 to 2.0 kips per lineal foot for non-load bearing walls and 4.0 to 6.0 kips per lineal foot for load bearing wall. The estimated maximum uniform floor slab live load is 125 pounds per square foot, and the estimated maximum concentrated floor slab load is 5 kips.

Two types of pavement sections will be required at the project; standard duty and heavy duty pavements. Per Wal-Mart requirements the standard duty pavement will be designed for

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equivalent 18 kip single axle loads ($E_{18}SAL$) of 109,500 over a 20 year design life. The heavy duty pavement section will be designed for approximately 335,800 $E_{18}SAL$ s over a 20 year design life. Terminal serviceability, initial serviceability, and reliability for all pavement sections will be 2.0, 4.2, and 85%, respectively.

Across the proposed building, the site grades range from a high of about +138 feet, NAVD to a low of about +110 feet, NAVD sloping from the southwest to the northeast. Based on the final floor elevation of +118, NAVD provided, we anticipate that the building limits will be filled as much as 8 feet at the northeast end and cut into grade as much as 20 feet at the southwest end.

Current grading plans require cut and fill slopes equal to or greater than 3H:1V and more than 10 feet in height.

We assume the building will be constructed with an exposed concrete floor slab throughout the facility and founded on a minimum 4 inch thick compacted base material.

If any of the above information is incorrect or changes prior to construction, please contact UES immediately so that revisions to the recommendations contained in this report can be made, as necessary. In order to verify that these recommendations are properly interpreted and implemented, UES must be allowed to review the final design and specifications prior to the start of construction and understands that this is part of the overall geotechnical contract.

Deviations from the GISRR are listed below.

- Limerock Bearing Ratio (LBR) FM 5-515 was used to test the subgrade soils in lieu of California Bearing Ratio (CBR) tests since LBR is the standard test required by the Florida Department of Transportation (FDOT) to test the base and stabilized subgrade materials for pavements.
- The site and planned construction are not located in a jurisdiction governed by International Building Code (IBC) and therefore the 100 feet deep test boring was not performed, however, in the absence of any governing standard for seismic matters in Florida, and based on our general geologic knowledge of the site and vicinity, we assigned an IBC site classification in order to meet Wal-Mart report content specification.

3.0 SITE DESCRIPTION

3.1 General

The subject site is a proposed Wal-Mart Store Supercenter located within Sections 15, 16 and 37, Township 9 South, Range 18 East in Alachua County, Florida. More specifically, the property is a combination of trapezoid and rectangle shapes, approximately 31 acres in size that is bounded by I-75 to the west, NW 158th Lane to the north, pasture to the east, and an apartment complex and additional pasture land to the south of the property. The parcel location is superimposed on a street map presented as the Site Location Map, Appendix A.

3.2 Soil Survey

Based on the 1985 Soil Survey for Alachua County, Florida, as prepared by the US Department of Agriculture, Natural Resources Conservation Service (NCRS), the predominant soil types at

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the site are identified as 8C Millhopper sand, 29B and C Lochloosa fine sand, 31B Blichton sand, 33B and C Norfolk loamy fine sands, and 35B Gainesville sand soils. The published general description of these soils with depth, their published range of permeability characteristics and their published range of seasonal high groundwater levels, is presented in Table 1 below.

		Summar	TABLI y of NRCS Soil	E 1 Survey Informa	tion		
Soil Type	С	Constituents	Hydrologic Group	Natural Drainage	Soil P	ermeability ches/Hr)	Seasonal High Water Table
Millhopper Sand (8C)	0-54" 54-56" 56-80"	Sand. Loamy sand, loamy fine sand. Sandy loam, fine sandy loam, sandy clay loam.	Α	Moderately Well Drained	0-54" 54-56" 56-80"	6.0 – 20 2.0 – 6.0 0.06 – 2.0	3.5 to 6 feet below ground surface
Lochloosa fine sand (29B)	0-31" 31-35" 35-54"	Fine sand. Fine sandy loam, sandy loam, loamy sand. Sandy clay	0-31" 31-35" C Poorly Drained 35-54"	2.0 – 20 0.6 – 6.0 0.6 - 0.2	2.5 to 5 feet below ground surface		
(/	54-83"	loam, sandy loam. Sandy clay, sandy clay loam.			54-83"	0.06 - 0.2	
	0-25" 25-30"	Fine sand. Fine sandy loam, sandy	С		0-25" 25-30"	2.0 - 20 0.6 - 6.0	
Lochloosa fine sand (29C)	30-67"	loam, loamy sand. Sandy clay loam, sandy loam.		Poorly Drained	30-67"	0.6 - 0.2	2.5 to 5 feet belo ground surface
	67-80"	Sandy clay, sandy clay loam.			67-80"	0.06 - 0.2	
Blichton sand	0-28" 28-62"	Sand. Sandy clay loam.	С	Poorly Drained	0-28" 28-62"	6.0 - 20 0.06 - 0.6	0 to 1 foot below
(31B)	62-80"	Sandy clay loam, sandy clay.	C	Poorly Drained	62-80"	0.06 – 0.6	ground surface
	0-9"	Loamy fine sand.			0-9"	2.0 – 20	
Norfolk loamy fine sand	9-41"	Sandy loam, sandy clay loam, clay loam.	В	Well Drained	9-41"	0.6 – 2.0	4 to 6 feet below ground surface
(33B)	41-80"	Sandy clay loam, clay loam, sandy clay.			41-80"	0.06 - 2.0	
	0-11"	Loamy fine			0-11"	2.0 - 20	
Norfolk loamy fine sand	11-46"	sand. Sandy loam, sandy clay loam, clay loam.	В	Well Drained	11-46"	0,6 – 2.0	4 to 6 feet below ground surface
(33C)	46-75"	Sandy clay loam, clay loam, sandy clay.			46-75"	<0.06 - 2.0	ground surface
Gainesville sand (35B)	0-82"	Sand, fine sand, loamy sand, loamy fine sand.	Α	Well Drained	0-82"	6.0 – 20	Greater than 6 feet below ground surface

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3.3 Topography

Based on the High Springs United States Geologic Survey (USGS) quadrangle map, the average ground surface elevation near the site appears to be approximately +100 feet NAVD with a range of +80 to +150 ft. NAVD. A reproduction of a portion of the USGS Map for the site area is included in Appendix A.

3.4 Geology

The general geology of Alachua County is characterized by 30 to 50 feet of undifferentiated fine to medium grained sands and clayey sands of Holocene age (the last 10,000 years) overlying the Miocene age (circa 10 millions years old) Hawthorne Formation.

The Hawthorne is approximately 0 to 50 feet thick and is comprised of interbedded layers of clay, clayey sand, sandy clay, and phosphate carbonates. The underlying Tertiary age (circa 50 million years old) carbonates gently dip east under an increasing thickness of younger sediments. The general area of the proposed parcel is characterized with unconsolidated and undifferentiated quartz sands near surface, and karst (sinkhole) features such as collapse depressions, sinkholes, disappearing streams, springs, and mapped underground caves.

A "sinkhole" is defined as "a depression caused by the soil and other materials subsiding into an open hole or void below the ground surface." Sinkholes generally occur from the collapse of subsurface voids or from the erosion or raveling of overburden soil into the voids. The resulting surface expression of these karst features consisted of depressional areas often circular in shape and commonly referred to as "sinkholes."

Typically, the soil existing immediately above the limestone consists of sandy clays, clayey sands, and other low permeability soils commonly referred to as the Hawthorn Formation. In general, the thicker the Hawthorn Formation, the less susceptible the site is to sinkhole development. However, in areas where the limestone deposits include voids and where the Hawthorn Formation is relatively weak, breaches of the Hawthorn Formation occur, providing paths through which groundwater travels, taking erodible soil with it. In these cases, the surficial relatively sandy soils ravel into the cavities and fractures in the limestone.

The confining Hawthorn layer also forms a barrier to groundwater, which ordinarily would be continuous from the surface soils downward into the limestone. The groundwater level or potentiometric surface in the soils above the confining layer frequently differs from that in the porous limestone because the confining layer prevents a normal hydrostatic condition. Provided the confining layer remains intact, the two groundwater regions remain independent.

It is important to understand from a regional context that sinkholes are a characteristic feature of North Central Florida geology and can occur anywhere in the general region depending on the presence of a cavernous void in the limestone deposit. These generalized conditions described above apply to the subject site and the region.

The Hawthorne formation is generally non-uniform with significant variance in the layer thickness and elevational gradients. Due to the high fines content and plastic behavior of the Hawthorne stratum, special considerations are required for development. These considerations include perched water, stormwater runoff, pumping of soils, the effects of clay shrink/swell behavior on adjacent structures, and bearing capacity.

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4.0 PURPOSE AND SCOPE OF SERVICES

4.1 Purpose

The purposes of this exploration were:

- to explore and evaluate the subsurface conditions at the site and note potential geotechnical considerations that may affect the proposed design, construction, or serviceability of the proposed improvements,
- to evaluate slope stability of proposed cut slopes, and
- to provide geotechnical engineering recommendations for site preparation, pavement and foundation design parameters, and stormwater soil design parameters.

4.2 Scope of Service

As part of our contracted scope of services, UES reviewed several Phase I ESA reports prepared by UES. UES Phase I ESA report dated October 15, 2004 identified RECs in connection with the subject property and UES recommended further investigation of the soil and groundwater. Following the 2004 Phase I ESA, UES completed a Phase I ESA and reported its findings in a report dated August 4, 2005. Based on the findings of the Phase II ESA investigation, no further assessment was recommended. Subsequently, UES performed a Phase I ESA update and issued a report dated July 17, 2006, updated May 2015. The 2015 Phase I ESA update report did not identify any additional RECs in connection with the subject property that would cause UES to recommend additional subsurface exploration specifically to address such environmental findings. We note that the lack of such identification in the Phase I ESA does not preclude the presence of finding of detrimental buried materials during site development.

Since our involvement with this project in 2005, UES has performed multiple field exploration programs at this site. During this time the site design was altered based on the project requirements and limitations. During the iteration process UES performed field explorations to comply with the most recent Wal-Mart Geotechnical Investigation Specifications. As a result, all the boring labels do not correspond to a logical progression (i.e. All "A" borings are not within the current parking area). Please refer to Appendix B: General Description of Boring Locations, for the general location description for corresponding boring numbers.

Additional field testing activities were started on March 9, 2015 and completed on March 10, 2015. These tests ten (10) additional auger borings in the driveway/pavement areas each to a depth of 10 feet, one (1) SPT boring at the proposed outprcel, and collected three "undisturbed" Shelby tube samples for swell tests.

A compilation of the services conducted by Universal to date for the subsurface exploration program are as follows:

 Advancing fifty-two (52) Standard Penetration Test (SPT) borings in the proposed Wal-Mart building area to depths between 10 feet and 100 feet below existing land surface (bls).

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 Advancing twenty-nine (29) SPT borings each to depths between 15 feet and 20 feet below the existing land surface along a proposed cut/fill slope alignment along the south perimeter of the proposed stormwater management system.

- Advancing thirty-nine (39) SPT borings to depths between 15 feet and 30 feet below the
 existing land surface along the proposed cut slope alignment.
- Advancing seventy-three (73) SPT borings to depths between 15 feet and 100 feet (bls) within the proposed parking lot and drive areas.
- Advancing four (4) SPT borings to depths of 30 feet beneath the proposed outparcel.
- Advancing fifty-two (52) SPT borings to depths between 30 feet 55 feet below the existing land surface within the proposed stormwater retention facility number 1.
- Advancing six (6) SPT borings to depths of 15 feet below the existing land surface within the proposed stormwater retention facility number 2.
- Advancing thirty-seven (37) Auger borings to depths of 10 feet below the existing land surface within the proposed roadway.*
- Advancing one (1) SPT boring to a depth of 20 feet within the proposed outparcel.*
- Performing several geophysical surveys for the proposed building and retention facility areas to assess the site for potential sinkhole activity.
- Collection of twenty-two (22) "undisturbed" Shelby tube samples.*
- Securing samples of representative soils found in the soil borings for laboratory analysis and classification by a member of our geotechnical staff.
- Measuring the existing site groundwater levels at the boring locations and providing an estimate of the typical wet season groundwater level.
- Conducting laboratory tests on selected disturbed and "undisturbed" soil samples obtained in the field to evaluate their engineering properties.
- Assessing the existing soil conditions with respect to the proposed construction.
- Preparing a report which documents the results of our subsurface exploration and analysis with geotechnical engineering recommendations.

The quantity, location and depth of the building and non-building area test borings may have been adjusted by UES based on our local knowledge of soil conditions and the project characteristics described to us.

^{*}Includes recent field tests

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4.3 Limitations

This report has been prepared for the exclusive use of CPH Engineers Inc. to aid the Architect/Engineer in the design of the proposed Wal-Mart Supercenter Store No. 3873-00. This report is also hereby certified to Wal-Mart Stores, Inc., and its affiliates, successors, and assigns (hereinafter referred to collectively as "Wal-Mart"). Accordingly, Wal-Mart has a right to rely on this report and all of the contents therein as though it were issued to Wal-Mart directly. The scope is limited to the specific project and locations described herein. Our description of the project's design parameters represents our understanding of the significant aspects relevant to soil and foundation characteristics. In the event that any changes in the design or location of the structures or improvements as outlined in this report are planned, we should be informed so the changes can be reviewed and the conclusions of this report modified, if required, and approved in writing by UES.

The recommendations submitted in this report are based upon the data obtained from the soil borings performed at the locations indicated on the Boring Location Plan and from other information as referenced. This report does not reflect any variations which may occur between the boring locations. The nature and extent of such variations may not become evident until the course of construction. If variations become evident, it will then be necessary for a re-evaluation of the recommendations of this report after performing on-site observations during the construction period and noting the characteristics of the variations.

If UES provided any quantity estimates of unsuitable soils or materials as part of our evaluation, we recommend that contractors submitting bids verify such quantities with their own field exploration and/or that any user of the estimated quantities apply appropriate contingency factors based on their own experience and industry norms.

Although borings were placed in the proposed out-parcel lots, the information obtained may not be sufficient for final design of these areas. A geotechnical review for each out-parcel should be conducted after site specific grading and structural loading information is available to determine if additional recommendations are warranted.

All users of this report are cautioned that there was no requirement for UES to attempt to locate any man-made buried objects or identify any other potentially hazardous conditions that may exist at the site during the course of this exploration. Therefore, no attempt was made by UES to locate or identify such concerns. UES cannot be responsible for any buried man-made objects or subsurface hazards which may be subsequently encountered during construction that are not discussed within the text of this report. We can provide this service if requested.

For a further description of the scope and limitations of this report please review the document attached within Appendix G, "Important Information About Your Geotechnical Engineering Report" prepared by ASFE.

5.0 FIELD EXPLORATION

5.1 General

The soil borings were performed with a drill rig mounted on a rubber-tired truck. The boring locations were pre-staked by CPH Engineers Inc. prior to our mobilization to the site. The approximate locations of the borings are shown on the Boring Location Plan presented in Appendix B. Prior to finalization of this report UES received horizontal and vertical control data

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for each boring which is presented in tabular form, Boring Survey Control, in Appendix B with ground surface elevations also presented on the boring logs.

5.2 Standard Penetration Test Borings

As previously described in Section 4.2 and as indicated on the Boring Location Plan and General Description of Boring Locations in Appendix B, fifty-two (52) SPT borings were drilled to depths between 10 feet and 100 feet in the proposed Wal-Mart building area. Borings drilled during the preliminary subsurface exploration and are also included in this report. Twenty-nine (29) SPT borings were drilled to depths between 15 feet and 20 feet below the existing land surface along the proposed south perimeter of the proposed stormwater management system. Thirty-nine (39) SPT borings were drilled to depths between 15 feet and 30 feet below the existing land surface along the proposed cut slope alignment. Fifty-eight (58) Standard Penetration Test (SPT) borings were drilled in the proposed stormwater pond areas (52 at DRA#1 and 6 at DRA#2) to depths between 15 feet and 55 feet below existing land surface (bls). Seventy-three (73) SPT borings were drilled to depths between 15 feet and 100 feet below the existing land surface within the proposed parking and access drive areas. Five (5) SPT borings were drilled to depths of 20 to 30 feet below the existing land surface along the proposed Out Parcel No. 1. The SPT borings were performed in general accordance with the procedures of ASTM D 1586 (Standard Method for Penetration Test and Split-Barrel Sampling of Soils). In addition, continuous sampling was performed within the upper 10 feet. The SPT drilling technique involves driving a standard split-barrel sampler into the soil by a 140-pound hammer, free falling 30 inches. The number of blows required to drive the sampler 1 foot, after an initial seating of 6 inches, is designated the penetration resistance, or N-value, an index to soil strength and consistency.

5.3 Auger Borings

UES completed thirty-seven (37) auger borings within the proposed access road alignment. Auger borings were advanced to depths of 10 feet below existing grade, according to the procedures of ASTM D-1452. Auger borings were performed by advancing a solid stem auger into the soil to the required depth. We evaluated the soil type by visually examining the cuttings recovered from the auger.

5.4 "Undisturbed" Shelby Tube Sampling

We obtained twenty-two (22) "undisturbed" Shelby tube samples of cohesive soils in general accordance with ASTM D 1587-00. These samples were collected to evaluate pertinent strength characteristics and geotechnical behavior of representative clay soils.

5.5 Geophysical Survey

The subsurface conditions within the proposed building structures were surveyed with geophysical methods in order to identify possible anomalies associated with sinkhole conditions. The geophysical survey was performed by Geoview, Inc. Electrical Resistivity Imaging (ERI) methods were employed in an attempt to detect and identify subsurface anomalous features. A more detailed description of the geophysical methods and findings is included in the Geophysical survey report. A copy of the ERI report is included in **Appendix E** for your review.

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6.0 LABORATORY TESTING

The soil samples recovered from the split-barrel sampler were visually classified in general accordance with the guidelines of ASTM D 2487 Standard Classification of Soils for Engineering Purposes (Unified Soil Classification System). The soil samples recovered from the split-barrel sampler were visually classified in general accordance with the guidelines of ASTM D 2487 Standard Classification of Soils for Engineering Purposes (Unified Soil Classification System). Representative soil samples were then selected from the retained soils and tested in our laboratory. The following is a summary of the laboratory tests performed in all studies for this site to date:

- One-hundred eighty-two (182) Wash #200 fines content determinations ASTM D-1140 (Standard Method for Particle Size Analysis of Soils).*
- Nine (9) full sieve gradation, and two (2) Hydrometer Analysis tests ASTM D 422*
- One (1) organic content test ASTM D 2974 (Standard Test Methods for Moisture, Ash, and Organic Matter of Peat and Other Organic Soils).
- Ninety-one (91) Atterberg Limits Tests ASTM D 4318-05*
- Nine (9) Swell Tests ASTM D 4546-03*
- One-hundred sixty (160) moisture content tests ASTM D-2216*
- Two (2) Limerock Bearing Ratio (LBR) tests in lieu of the California Bearing Ratio (CBR) tests Florida Department of Transportation FM-515 (Limerock Bearing Ratio).
- Ten (10) Corrosion Series (pH, sulfates, chlorides, and resistivity)*
- One (1) Topsoil Series per Walmart specifications
- One (1) Specific Gravity Test ASTM D-854
- Eleven (11) Unconfined Compression Tests ASTM D-2166-06
- Fourteen (14) Triaxial Shear Tests ASTM D-2850-03a
- One (1) Consolidation Test ASTM D-2435

*includes recent lab tests

Lab testing activities from recently pulled samples include five (5) moisture content determinations, four (4) Wash #200 fines content tests, four (4) swelling tests, three (3) Atterberg Limits tests, two (2) full sieve gradation tests, two (2) Hydrometer Analysis tests, and one (1) corrosion series test.

These tests were performed to aid in classifying the recovered samples and to help in evaluating the general engineering characteristics of the site soils. The laboratory classification data is presented on the Boring Logs at the approximate depth sampled in Appendix B. All

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laboratory data is summarized and report sheets included in Appendix C. In addition, the detailed laboratory test procedures are enclosed in Appendix C.

The quantity and type of laboratory tests performed for the geotechnical exploration were selected by UES based on the soil conditions found and our experience and knowledge concerning the local soil conditions. We note that since most shallow sands in Florida are poorly graded fine sand it is customary to perform percent fines content testing only for classification purposes. Also, unconsolidated undrained (UU) strength tests were performed on recovered "undisturbed" clay samples to obtain conservative strength values. Finally, unconfined compression tests were performed to evaluate bearing capacity of native plastic soils.

7.0 SOIL STRATIGRAPHY

7.1 Generalized Soil Profile

The results of our field exploration and laboratory analysis, together with pertinent information obtained from the SPT and auger borings, such as soil profiles, penetration resistance and stabilized groundwater levels are shown on the boring logs included in Appendix B. The Key to Boring Logs is also included in Appendix B. The soil profiles were prepared from field logs after the recovered soil samples were visually classified by a member of our geotechnical staff. The stratification lines shown on the boring logs represent the approximate boundaries between soil types, and may not depict exact subsurface soil conditions. The actual soil boundaries may be more transitional than depicted. A composite generalized profile of the soils found at our boring locations is presented below in Table 2. For soil profiles at individual boring locations, please refer to the soil boring logs, Appendix B.

TABLE 2 GENERAL SOIL PROFILE							
	Typical depth (ft.)						
Soil Descriptions							
Very loose to medium dense, brown SAND to SAND with silt [SP, SP-SM]							
ium dense, brown SAND with silt to silty SAND [SP-SM, SM] and clayey SAND [SC] to stiff to very stiff sandy CLAY [CL] and stiff green and sandy SILT [MH]	15	2					
e orange gray clayey SAND [SC] to stiff to very stiff sandy CLAY [CL] n CLAY [CH] and LIMESTONE [LS]	57	15					
[LS] (found at 10.5 feet at boring location C-22a)	57 100* LIMESTONE [LS] (found at 10.5 feet at boring location C-22a)						

Notable features within the general soil profile were: 1) The presence of pockets of expansive clays within the building footprint 2) The presence of a very loose sand layer from 0 to 7 feet below land surface in some of the borings; and 3) Limestone was encountered at varying depths throughout the project site.

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7.2 Soil Corrosion Characteristics

UES routinely performs pH, resistivity, sulfates and chloride tests for evaluation of corrosion potential of soils. According to the guidelines of the Florida Department of Transportation (FDOT) "Florida-Concrete Design, Environmental Classification and Construction Criteria" (based on the three tier scale of slightly, moderately, and extremely aggressive) the results of the pH, sulfate, chloride, and resistivity tests indicate that the surficial soils in the building and parking area are "extremely aggressive" to steel and concrete. The controlling factor in the test results was the pH level (pH=4.22). Therefore we recommend use of Type II cement with fly ash for below grade concrete construction. Further, adequate concrete cover should be provided for concrete substructures and protective galvanized coating is recommended for steel utility lines which extend below the seasonal high groundwater level. Accelerated corrosion conditions typically occur when below grade structures are in prolonged contact with groundwater, allowing the contact of corrosive compounds to the concrete and reinforcing steel. The results of these tests are listed on the Report of Corrosion Parameters sheet enclosed with the laboratory test results in Appendix C. Results of pH and resistivity tests with recommended measures are also presented on the "Geotechnical Investigation Fact Sheet".

7.3 Topsoil Analysis

Per Wal-Mart criteria, one topsoil analyses was performed on a composite of five individual surface samples collected. The results are presented in Appendix C and summarized in tabular form in Appendix C.

8.0 GROUNDWATER CONSIDERATIONS

8.1 Existing Groundwater Level

Water levels in the boreholes were measured at 24 hours after soil samples were collected. The groundwater levels are shown on the attached boring logs. At the time the most recent field exploration was conducted, shallow groundwater was not encountered in the vast majority of borings. Previous explorations encountered transient perched groundwater levels at depths of approximately 3 to 23 feet below existing grade. Fluctuations in groundwater levels should be anticipated throughout the year, primarily due to seasonal variations in rainfall, surface runoff, construction activity, and other site specific factors that may vary from the time the borings were conducted. Based on available data, we estimate the permanent water table to be near elevation +60 feet NAVD.

8.2 Typical Wet Season Groundwater Level

The typical wet season groundwater level is defined as the highest groundwater level sustained for a period of 2 to 4 weeks during the "wet" season of the year, for existing site conditions, in a year with average normal rainfall amounts. Based on historical data and the Climatic Atlas of the United States, the rainy season in Alachua County, Florida typically occurs between June and September. To estimate the wet season water level at the boring locations, many factors may be considered.

As mentioned previously, we found shallow deposits of clayey sands and sandy clays across the site during our site exploration. Due to the poor permeability characteristics of these clayey soils, these soils tend to act as an aquiclude (a sediment through which groundwater cannot pass) to the natural infiltration of the rainwater. Therefore, surface water will most likely

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temporarily perch on top of these relatively impermeable soils causing isolated areas with temporary groundwater levels significantly higher during periods of heavy rainfall or artificial irrigation.

Based upon the review of U.S.G.S. data, NRCS Soils Survey, and site boring data, a reasonable estimate for the temporary perched seasonal high groundwater table is from 0.5 to 1 foot below the land surface (bls). In cut areas where clays are exposed, the cut surface will become the new temporary perched water table surface. Please note, however, that peak stage elevations immediately following various intense storm events, may perch temporarily on the shallow, low permeability (clayey) soils. Further, it should be understood that changes in the surface hydrology and subsurface drainage from on-site and/or off-site improvements could have significant effects on the normal and seasonal high groundwater levels. Potential for water to perch will be directly related to grading and rainfall/irrigation amounts.

The potential for transient perched groundwater levels shall be considered during the design of the site grades and during construction.

Our estimated seasonal high groundwater levels are based on the existing site conditions and are presented on each of the boring logs shown in **Appendix B**. Please note, however, that peak stage elevations immediately following various intense storm events, may be somewhat higher than the estimated typical wet season levels. Further, it shall be understood that changes in the surface hydrology and subsurface drainage from on-site or off-site improvements could have significant effects on the normal and seasonal high groundwater levels.

9.0 ANALYSIS AND RECOMMENDATIONS

Our geotechnical engineering evaluation and recommendations for building pad and pavement area preparation and foundation design are based on (1) our site observations, (2) the collected field and laboratory data, and (3) our understanding of the project and structural information presented in this report.

It should be noted that pockets and lenses of expansive clays were encountered in the borings performed at the project site. Representative clayey samples taken from within the building footprint tested in our previous field exploration services had liquid limit (LL) values ranging from approximately 27 to 127 and correspondingly plasticity index (PI) values of approximately 9 to 100. Laboratory testing was performed to characterize the shrink/swell characteristics of the recovered soils. Laboratory test results indicate a swell index of 0.07 and associated volume change of 0.8% to 4.4%. According to published literature the clay soils typically found onsite should be considered to have a moderate to high swell potential.

Lab tests from our recent field exploration produced liquid limit (LL) values ranging from 47 to 92 and plasticity index (PI) values of 29 to 59. Swell test results indicate maximum percent swell of 0.2% to 9%. Based on soil borings and the laboratory results, the potential heave of the clay when undercut 5 feet below the bottom of the footing is less than 1 inch.

Care should be exercised in performing the site preparation procedures due the presence of clayey soils near the existing ground surface. The use of heavy-vibratory equipment is not recommended due to the potential for disturbance and pumping of the near surface clayey soils. To avoid pumping of the underlaying clayey soils, we recommend self propelled vibrating equipment remain a minimum of two feet above the clayey soils. The sandy soils could be compacted with a vibratory roller operating in static mode or with a track-mounted dozer to

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avoid disturbance of the clayey soils prior to operation. We recommend a minimum of 2 feet of sand overlying the clayey soils prior to operation of construction equipment. Excessive disturbance of the clayey soils will degrade the strength characteristics of the soil and may result in an unsuitable soil which will require over-excavation and subsequent backfilling with selected material.

The subgrade after excavation, in some areas include very clayey sands and clay, which will be difficult to compact. The clayey sandy soils may require stringent moisture control during compaction, particularly during rainy periods. Footings that are excavated through the upper layer of compacted sand fill soils into the native clayey sands, shall be visually inspected and tested to verify the in-place density and condition of the subgrade bearing soils. Normal proof-rolling and compaction of exposed subgrade, and filling to grade with compacted selected structural fill is also expected. If these soils are soft in nature, they should be over-excavated and removed under the direction of the testing agency representative. The over-excavated areas shall be backfilled with a compacted, low permeability, engineered fill material. Fill material shall consist of poorly draining, silty-clayey sand with between 15% to 30% material passing the No. 200 sieve, a Liquid Limit (LL) value less than 30, and a Plasticity Index (PI) value less than 15. Special compaction equipment and strict moisture control may be required to achieve the minimum compaction specifications. Loose lift thicknesses of 8 inches or less are recommended.

Due to the low degree of saturation on the clays, swelling and softening may occur very rapidly if surface water is admitted to the foundation/building pad areas. We recommend performing the excavation as quickly as possible and reloading the ground without delay to prevent swelling. Further, due to large excavation areas we recommend to manage the areas in controlled/designated areas thus the excavated areas are replaced and backfill as soon as possible.

Our local experience has found that clay layers are often laterally discontinuous, which makes it more difficult to ascertain their presence on a given project parcel. We recommend that any native grades above elevation +111.5 ft. within the building footprint plus 5 foot margins beyond, be undercut to Elevation +111.5 ft. Clay and very clayey sands should be selectively removed during the undercutting process so that the remaining soils may be re-used as fill material within the building and parking areas. If it is undesirable or not cost effective to selectively remove such materials, the undercut soils may all be re-used as fill at depths greater than 5 feet below grade in the building or greater than 2 feet below pavement base grade in the pavement areas. If the finished floor elevation (FFE) is lower than +118 ft. our recommendation for the above referenced undercut is invalid and we must review the final FFE and provide supplemental recommendations.

The soil borings performed within the parking area also encountered sand-clay mixtures at shallow depths. We recommend selective undercut of the native in-situ clayey soils to provide a minimum of 2 foot of separation below the bottom of the base course in accordance with FDOT index 500. We recommend the expansive clayey soils be a minimum distance of 5 feet below the proposed bottom of retaining wall footings.

Due to the presence of subsurface expansive clays it is important that the foundation design incorporate factors to minimize water seepage around the foundation perimeter. The design factors should include positive drainage such that water flows away from the structure, gutters tied into the drainage system, use of drought tolerant landscaping plus limiting irrigating and ponding of surface waters around the structure. A perimeter underdrain extending a minimum 5

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feet below finished grades around the building perimeter is also recommended. The underdrain system may be designed for moderate water removal as described in FDOT Standards Type 2, Index 286. Further, you should consider placing an underdrain pipe beneath the down slope edge of each landscape island. Landscaped islands typically collect irrigation water, and the water slowly leaches laterally into the pavement section. You should also consider constructing a drainage system/underdrain along the south edges of the loading/parking to intercept perched groundwater flowing from off site, prior to it reaching the pavement subgrade.

Please note, excavations through isolated, random, shallow hard limestone deposits and limestone boulders should be anticipated and may prove to be difficult for the foundation excavations, as well as subsurface utility installations.

If the structural conditions or other project information are incorrect, please contact us so that we can review our recommendations. Also, the discovery of any site or subsurface conditions during construction which deviate from the data obtained during this geotechnical exploration should also be reported to us for further evaluation.

We consider the recommendations presented in the subsequent sections of this report appropriate for the planned construction. As part of the overall geotechnical contract, we recommend that UES be provided the opportunity to review the foundation plans and earthwork specifications to verify that our recommendations have been properly interpreted and incorporated into the design documents.

9.1 Foundation Design Recommendations

The recommendations presented below for foundation design and performance may not be appropriate for the proposed outparcel building area to be located near the east side of the proposed Wal-Mart Store No. 3873. For this building, additional exploration and specific geotechnical engineering evaluations are recommended once site, earthwork, and structural plans are known.

As mentioned before, the undercut should extend down to elevation +111.5 feet, NAVD to provide the minimum 5 feet separation between the top of the clays and the bottom of the footing/base. The ground surface for at least 5 feet around the building should be sloped to create positive drainage away from the building so the stormwater and irrigation waters do not become trapped adjacent to the building and in the backfill. In addition, we recommend that a 5 feet deep perimeter drain be installed around the perimeter of the building to help maintain more uniform moisture content in the upper soils beneath the building. The drain system should be designed for minimum water removal as described in FDOT Standards Type 2, Index 286. The over-excavated areas should be backfilled with a compacted, low permeability, non-plastic engineered fill material. Fill material should consist of poorly draining, silty sand or clayey sand with between 10% to 25% material passing the No. 200 sieve, a Liquid Limit (LL) value less than 30, and a Plasticity Index (PI) value less than 15.

Based on the results of our exploration, it is our opinion that the subsurface conditions at the Wal-Mart site are adaptable for support of the proposed structure on a properly designed and constructed shallow foundation system, provided the site preparation and earthwork construction recommendations outlined in Section 9.3 of this report are performed. Provided the improvements and specific site preparation procedures are carefully followed, the parameters outlined below may be used for foundation design.

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9.1.1 Bearing Pressure

The maximum gross allowable soil bearing pressure for use in shallow foundation design should not exceed 3,000 psf due to dead plus live load structural loads per current Florida Building Code. The allowable bearing pressure may be increased by 25 percent to account for short duration loadings such as wind or seismic.

9.1.2 Foundation Size

The minimum width recommended for any isolated column or continuous wall footing is 30 and 18 inches, respectively. Even though the maximum allowable soil bearing pressure may not be fully achieved, this width recommendation should control the minimum size of the foundations.

Additionally, we recommend that the continuous footings be designed with top and bottom steel in consideration of potential upward or downward flexure from minor movement/pressures from the undercut expansive clays to limit the potential heave to less than 1 inch. The steel size and placement should be designed by a registered structural engineer. The deeper concrete section, and top and bottom steel configuration of a typical grade beam foundation, should help mitigate differential settlement concerns. A modulus of subgrade reaction of 100 pounds per cubic inch (pci) may be used for grade beam foundation design.

9.1.3 Bearing Depth

The exterior foundations should bear at a depth of at least 18 inches below the finished exterior grades and the interior foundations should bear at a depth of at least 18 inches below the finish floor elevation to provide confinement of the bearing level soils. It is recommended that stormwater be diverted away from the building area both during and permanently following construction.

9.1.4 Bearing Material

The foundations and floor slabs should bear on a compacted low permeability structural fill. The bearing level soils should be densified to at least 95 percent of the modified Proctor maximum dry density (ASTM D 1557) to a depth of at least five feet below the bearing levels.

9.1.5 Settlement Estimates

Post-construction settlements of the structure will be influenced by several interrelated factors, such as (1) subsurface stratification and strength/compressibility characteristics; (2) footing size, bearing level, applied loads, and resulting bearing pressures beneath the foundations; and (3) site preparation and earthwork construction techniques used by the contractor. Our settlement estimates for the structure are based on the site preparation/earthwork construction recommendations in Section 9.3 of this report. Any non conformance with these recommendations could result in an increase in the estimated post-construction settlements of the structure.

Using the recommended maximum bearing pressure, the provided maximum structural loads, the anticipated fill loading and the field data which we have correlated to geotechnical strength and compressibility characteristics of the subsurface soils using N-value data, we estimate that total settlements of the structure should be less than 3/4 inch if the site preparation

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recommendations in Section 9.3 are followed. Without appropriate site preparation procedures, total settlements could exceed 3/4 inch.

Differential settlements result from differences in applied bearing pressures and variations in the compressibility characteristics of the subsurface soils. We anticipate that differential settlements should be within tolerable limits of ½ inch or less in 40 feet length for masonry walls and ¾ inch or less between isolated interior columns, and ¾ inch between columns and floor slabs.

9.1.6 Floor Slab

The floor slab recommendations are predicated upon the understanding that Wal-Mart structures have exposed concrete floor slabs throughout. The floor slab can be constructed as a slab-on-grade provided the expansive soils are undercut below the bottom of the slab and the subsequent lifts of structural backfill are compacted and tested in accordance with the recommendations included in this report. The floor slab can be designed using a subgrade reaction modulus of 150 pounds per cubic inch for slabs founded on the Wal-Mart required minimum 4 inch aggregate base and well compacted subgrade. Therefore, there is no cost premium to attain the recommended subgrade modulus.

The Wal-Mart geotechnical requirements prefer the use of a capillary break consisting of free-draining aggregate. The specifications further allow use a plastic vapor barrier if justified by site conditions or required by local building codes. In addressing the requirements outlined in the current Wal-Mart "Geotechnical Investigation Specifications and Report Requirements" the current Florida Building Code requires the use of vapor barriers beneath floor slabs. Typically, polyethylene plastic sheets are used in Florida to reduce floor dampness and minimize moisture emissions through floor slabs. In conformance with the Florida Building Code, we recommend the use of a vapor barrier beneath the floor slab.

The "vapor barrier" should consist of a polyvinyl chloride or polyethylene plastic sheet or membrane (minimum 15 MIL thickness meeting ASTM E1745, Class 'A' requirements). The performance of the "vapor barrier" is ultimately dependent upon its proper installation, including lapping and sealing plus repair of tears and punctures prior to placement of concrete. The vapor barrier should be placed immediately beneath the concrete slab atop 4 inches of compacted aggregate base. UES recommends the aggregate base material be constructed on a compacted subgrade fill in accordance with the Foundation Subsurface Preparation note included in this report.

9.1.7 Site Walls

Earth pressures on retaining walls are influenced by structural design of walls, conditions of wall restraint, construction methods, and the strength of the materials being restrained. The most common conditions assumed for earth retaining wall design are the active and at-rest conditions.

Active conditions apply to relatively flexible earth retention structures, such as free-standing walls, where some movement and rotation may occur to mobilize shear strength. Walls which are rigidly restrained, such as loading dock or service pits walls, should be designed for the atrest condition. However, if the walls will be backfilled before they are braced by the floor slabs, they should also be designed to withstand active earth pressures as self supporting cantilever walls.

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Development of the full active earth pressure case requires a magnitude of horizontal wall movement that often cannot be tolerated or cannot occur due to the rigidity of the wall and other design restrictions such as the impact on adjacent structures. In such cases, walls are often designed for either the at-rest condition or a condition intermediate of the active and at-rest conditions, depending on the amount of permissible wall movement.

Passive earth pressure represents the maximum possible pressure when a structure is pushed against the soil, and is used in wall foundation design to help resist active or at-rest pressures. Because significant wall movements are required to develop the passive pressure, the total calculated passive pressure is usually reduced by one-half for design purposes.

We recommend that any proprietary retaining walls be backfilled with materials deemed suitable by the retaining wall designer. For all other walls, typically sandy soils [SP, SP-SM, SP-SC] should be used as backfill. We recommend that the soils selected for use as backfill be tested as specified by either the proprietary retaining wall designer or UES prior to commencement of wall construction. Recommended soil parameters for design of low retaining walls for loading docks and landscape features using SP, SP-SM or SP-SC soils found on site are shown in Table 3.

TABLE 3 Lateral Earth Pressure Design Parameters (Level Backfill)*					
Design Parameter Recommended Value					
At-rest Earth Pressure Coefficient, Ko	0.5				
Active Earth Pressure Coefficient, Ka	0.33				
Passive Earth Pressure Coefficient, K _p	3.0				
Wet Unit Soil Weight (pounds per cubic foot - pcf)	125				
Submerged Unit Weight of Soil (pcf)	62				
Coefficient of Friction (sliding)	0.4				
Angle of Internal Friction, φ	30 degrees				

^{*} For sloping backfill or backfill with clayey sands the table values must be adjusted.

The recommended lateral earth pressure coefficients and equivalent fluid pressures do not consider the development of hydrostatic pressure behind the earth retaining wall structures. As such, positive wall drainage must be provided for all earth retaining structures. These drainage systems can be constructed of open-graded washed stone isolated from the soil backfill with a geosynthetic filter fabric and drained by perforated pipe, or with one of several wall drainage products made specifically for this application.

Our recommendations assume that the ground surface above the wall is level and that native or imported soils consisting of sands and sands with silt or clays will be used for wall backfill. Lateral earth pressures arising from surcharge loading should be added to the above earth pressures to determine the total lateral pressure. Additional consideration must also be given for sloped backfill at the top of the wall. In each circumstance the earth pressure coefficients for

^{**}Hydrostatic pressure should be accounted for based on seasonal high water table estimates and other site drainage considerations

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active and at-rest conditions will increase based upon the amount of surcharge and angle above horizontal of the sloped backfill.

9.1.8 Cut Slope Stability

We performed a slope stability evaluation for the proposed cut slope areas using the software program "STABLE". We developed the parameters used in our slope stability evaluation from the information obtained during our field exploration and laboratory testing, from the proposed grading and site topographic information provided by CPH Engineers, Inc. and the design recommendations of this report. The proposed cuts have slopes of 3.5:1 and 4:1 ratio (Horizontal: Vertical).

The results of our evaluation indicate that the factor of safety of the proposed cut slope area is more than 1.5 which exceeds the generally required values. A more detailed presentation of the results of our slope stability evaluation is included in Appendix F: Slope Stability Analysis.

During the wet season, infiltrated rain water may perch on top of the shallow deposits of clayey soils; this groundwater may seep along those shallow deposits of low permeable material and daylight through the face of the slope. These seepage phenomena toward the face of the slope could cause erosion to the slope face and lead to a reduced stability of the slope. Therefore, measures should be taken to prevent erosion of the slope face such as using geosynthetics and vegetation.

9.1.9 Geologic Hazards

The general geology of Alachua County is characterized by 30 to 50 feet of undifferentiated fine to medium grained sands and clayey sands of Holocene age (the last 10,000 years) overlying the Miocene age (circa 10 millions years old) Hawthorne Formation.

The Hawthorne is approximately 0 to 50 feet thick and is comprised of interbedded layers of clay, clayey sand, sandy clay, and phosphate carbonates. The underlying Tertiary age (circa 50 million years old) carbonates gently dip east under an increasing thickness of younger sediments. The general area of the proposed parcel is characterized with unconsolidated and undifferentiated quartz sands near surface, and karst (sinkhole) features such as collapse depressions, sinkholes, disappearing streams, springs, and mapped underground caves.

A "sinkhole" is defined as "a depression caused by the soil and other materials subsiding into an open hole or void below the ground surface." Sinkholes generally occur from the collapse of subsurface voids or from the erosion or raveling of overburden soil into the voids. The resulting surface expression of these karst features consisted of depressional areas often circular in shape and commonly referred to as "sinkholes."

Typically, the soil existing immediately above the limestone consists of sandy clays, clayey sands, and other low permeability soils commonly referred to as the Hawthorn Formation. In general, the thicker the Hawthorn Formation, the less susceptible the site is to sinkhole development. However, in areas where the limestone deposits include voids and where the Hawthorn Formation is relatively weak, breaches of the Hawthorn Formation occur, providing paths through which groundwater travels, taking erodible soil with it. In these cases, the surficial relatively sandy soils ravel into the cavities and fractures in the limestone.

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The confining Hawthorn layer also forms a barrier to groundwater, which ordinarily would be continuous from the surface soils downward into the limestone. The groundwater level or potentiometric surface in the soils above the confining layer frequently differs from that in the porous limestone because the confining layer prevents a normal hydrostatic condition. Provided the confining layer remains intact, the two groundwater regimes remain independent.

It is important to understand from a regional context that sinkholes are a characteristic feature of North Central Florida geology and can occur anywhere in the general region depending on the presence of a cavernous void in the limestone deposit. These generalized conditions described above apply to the subject site and the region.

Universal Engineering has previously performed a geophysical survey of the site to address the potential for surface expression of deep geological conditions such as sinkhole and related karst activity. The findings and opinions were report in UES Report 385573.1 dated February 16, 2006. We have included a copy of this report in Appendix E. The findings outlined in our February 16, 2006 report did not suggest subsurface conditions beneath the proposed building footprint and beneath the proposed stormwater retention pond area that may be associated with imminent ground subsidence due to sinkhole activity.

There are no fault zones, landslides or other geologic hazards associated with the site and immediate vicinity other than sinkholes and expansive clays. There is a fairly thick sequence of Hawthorne clays mantling the underlying limestone which acts to resist raveling from differential aquifer heads. Therefore, it is our opinion that the proposed building area is at no greater risk of ground subsidence related to sinkhole activity than other properties in the general vicinity of the site and that no special ground modifications or greater than normal foundation design procedure need to be undertaken for sinkhole considerations. As previously discussed, there are pockets of expansive clays beneath the building pad area and pavement areas that could affect future performance of each. Therefore, we have recommended undercutting the building area to Elevation 111.5 ft N.G.V.D. and selectively undercutting the expansive clays exposed at pavement subgrade to reduce the adverse affects. In addition, we have recommended top and bottom steel reinforcement for foundations to make the foundation more resistant to alternate minor bending stresses from the expansive soils.

With regard to seismic considerations, UES reviewed the Florida Building Code (FBC) which has jurisdiction in the State of Florida. Since seismic design is not part of the FBC, we consulted the only available recognized source of seismic information, the International Building Code 2006 (Section 1613). Per Table 1613.5.2 we recommend a Site Class of C for this project site. Due to the deep permanent water table, the overall fines content of the soils and the minimal expected ground accelerations per Figures 1613.5(1) and (2), it is our opinion that the liquefaction potential of the site is minimal.

9.1.10 Expansive Clay Considerations

Portions of Alachua County, Florida are known to have shallow expansive clays which can cause differential foundation movement and associated cracking and distress to structures that are not adequately designed for these subsurface conditions. Part of the purpose of our exploration program was to identify the presence of potentially expansive soils on site and provide geotechnical recommendations for site preparation and foundation design to minimize the potential impact if these are found.

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We performed laboratory Atterberg Limit testing on representative samples of the clayey deposits found on site during our exploration program. The samples tested had liquid limit (LL) values of approximately 27 to 127 and plasticity index (PI) values of approximately 9 to 100. Laboratory testing was performed to characterize the shrink/swell characteristics of the recovered soils. Laboratory test results indicate maximum percent swell of 0.2% to 9%. Based on soil borings and lab testing performed the potential heave after undercutting and replacement five (5) feet below the bottom of the footing is less than 1 inch. According to published literature the clay soils typically found onsite shall be considered to have a moderate to high swell potential. The USDA Soil Survey of Alachua County, Florida also identifies the surficial soils on site as having low to high swell potential.

Based upon the findings of our field exploration, our experience in the general vicinity of the subject site, and the laboratory test results, it is our professional opinion that special foundation design considerations for expansive soils are necessary. The potential detrimental effect of the expansive clays can be reduced to tolerable levels by the recommended undercut and replacement and use of top and bottom reinforcement in continuous footings.

9.2 Pavement Recommendations

9.2.1 General

A rigid or flexible pavement section could be used on this project for the new pavement areas. Flexible pavement combines the strength and durability of several layer components to produce an appropriate and cost-effective combination of available construction materials and is less susceptible to movement from the under laying clays. Concrete pavement has the advantage of the ability to "bridge" over isolated soft areas, it requires less security lighting, and it typically has a longer service life than asphalt pavement. However, concrete pavement can allow water intrusion which can aggravate the expansive soils. Disadvantages of rigid pavement may also include an initial higher cost and more difficult patching of distressed areas than occurs with flexible pavement.

We recommend undercutting the clayey sands and clays to a depth of 24 inches below the bottom of the base course in accordance with FDOT index 500. We recommend proof-rolling of the exposed subgrade to help determine area that will need to be undercut. Positive drainage around the roadway area shall be established to prevent irrigation and stormwater from migrating into the pavement area.

The design calculations and pavement section details for both a rigid and flexible pavement section are enclosed in Appendix D.

Referencing the "Geotechnical Investigation Specifications and Report Requirements" as provided by Wal-Mart, the Minimum Pavement Surface Thickness is specified as follows:

A) Standard Duty

Asphalt - 3 inches Concrete - 5 inches

B) Heavy Duty

Asphalt - 4 inches Concrete - 6 inches

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Further, the pavement section is to be designed for a 20 year life based on a terminal serviceability index (P_t) of 2, reliability of 85 percent, initial serviceability of 4.2 and a standard deviation of 0.45 for flexible pavement and 0.35 for rigid pavement.

Within the following tables, we have provided our recommendations for pavement design. These recommendations incorporate Wal-Mart's minimum pavement surface thickness specifications referenced above. <u>UES has selected pavement materials that are cost effective and locally available.</u>

9.2.2 Asphalt (Flexible) Pavement

Tables 4 and 5 contain our recommendations for standard and heavy duty pavement sections designed for Wal-Mart's requirement for total equivalent 18 kips single axle loads (E₁₈SAL) of 109,500 and 335,800, respectively.

TABLE 4 STANDARD DUTY FLEXIBLE PAVEMENT DESIGN				
Pavement Layer Thickness Minimum Requirements				
Asphalt Surface (FDOT SP-9.5) Asphalt Binder (FDOT SP-12.5))	1.5 Inch Minimum 1.5 Inch Minimum	93% (tolerance ±2%) Laboratory Maximum Density (G _{mm})		
		98% Modified Proctor test maximum dry density Limerock Bearing Ratio (LBR) of 100		
Stabilized Subgrade		98% Modified Proctor test maximum dry density. Limerock Bearing Ratio (LBR) of 40.		

TABLE 5 HEAVY DUTY FLEXIBLE PAVEMENT DESIGN				
Pavement Layer	Minimum Requirements			
Asphalt Surface (FDOT SP-9.5) Asphalt Binder (FDOT SP-12.5)	1.5 Inch Minimum 2.5 Inch Minimum	93% (tolerance ±2%) Laboratory Maximum Density (G _{mm})I.		
Limerock or Crushed Concrete Base	6 Inch Minimum	98% Modified Proctor test maximum dry density Limerock Bearing Ratio (LBR) of at least 100		
Stabilized Subgrade	6 Inch Minimum	98% Modified Proctor test maximum dry density Limerock Bearing Ratio (LBR) of 40.		

9.2.2.1 Stabilized Subgrade

We recommend that subgrade materials be compacted to at least 98 percent of the modified Proctor maximum dry density (ASTM D 1557/ AASHTO T-180) value. Further, beneath the base course, stabilize the subgrade materials to a minimum Limerock Bearing Ratio (LBR) of 40 as specified by the current version of the Florida Department of Transportation (FDOT) "Standard Specifications for Roadway and Bridge Construction" (SSRBC) requirements for Type B Stabilized Subgrade, Section 160 and Section 914. For crushed concrete base, the subgrade material should be "free-draining" (k> 1 x 10⁻³ cm/sec) and therefore on-site clay sands, clays or other impermeable stabilization material shall not be used for mixing with the in-place sands.

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Based on the completed LBR test results (LBR 62 and 92), the soil from the upper 2 feet of parking lot subgrade across the site is suitable for use as a stabilized subgrade material (meeting a minimum LBR value of 40).

The primary function of stabilized subgrade beneath the base course is to provide a stable and firm subgrade so that the base can be properly and uniformly placed. Depending upon the soil type, fill material from an off-site source may have sufficient stability to provide the needed support without additional stabilizing material. Generally sands with shell or rock should have sufficient stability and may not require additional stabilizing material. Prior to compaction of the subgrade, the representative samples of soils exposed at rough subgrade from both on and off-site fill sources should be tested for Limerock Bearing Ratio (LBR) value on a frequency of one test per 20,000 square feet to evaluate whether or not additional stabilization will be required beneath the base course.

9.2.2.2 Base Course

We recommend the base course consist of locally available limerock complying with the requirements of the current version of the FDOT SSRBC, Section 200, pages 207-213, and Section 911, pages 1003-1005. The limerock should have a minimum LBR of 100 percent and should be mined or supplied from an FDOT approved source. Place the limerock in maximum 6 inch thick loose lifts and compact each lift to a minimum density of 98 percent of the modified Proctor maximum dry density (ASTM D1557/AASHTO T-180).

Alternatively, we believe locally available crushed concrete base of equal thickness could be substituted for the limerock. Crushed concrete should be supplied by an FDOT approved plant with quality control procedures and should have an average LBR value of not less than 100. The gradation for crushed concrete should meet the current requirements for graded aggregate base per Section 204, FDOT SSRBC, pages 214-216.

A prime and sand coat should be applied to the base to provide for a smooth, uniform surface for asphalt placement. Perform compliance testing for limerock or crushed concrete for full depth of the base at a frequency of one test per 10,000 square feet. Compliance testing should consist of performing in-place density tests and thickness measurements at the recommended frequency.

9.2.2.3 Surface and Binder Course

The wearing surface shall consist of Florida Department of Transportation (FDOT) Type SP asphaltic concrete. Specific requirements for Type SP asphaltic concrete, Traffic Level C/D wearing surface are outlined in the Florida Department of Transportation (FDOT), Standard Specifications for Road and Bridge Construction, current Edition.

The asphaltic concrete should be placed in two layers. Specifically for light duty areas, the lower binder course shall consist of a minimum of 1.5 inches of FDOT Type SP-12.5. The surface course shall be a minimum of 1.5 inch of FDOT Type SP-9.5. For heavy duty pavements, the binder shall consist of a minimum of 2.5 inches of Type SP-12.5 with a surface course consisting of a minimum 1.5 inches of Type SP-9.5. Per FDOT, the SuperPave (SP) surface course may contain up to 20 percent recycled asphalt pavement (RAP).

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After placement and field compaction, the wearing surface should be cored to evaluate material thickness and to perform laboratory densities. Cores should be obtained at frequencies of at least one core per 10,000 square feet of placed pavement or a minimum of two cores per day's production.

9.2.2.4 Curbing

Typical curbing is extruded and placed atop the asphaltic concrete surface. This type of curbing does not act as a horizontal cutoff for lateral migration of storm and irrigation water into the base material and as a result of this it is not uncommon for base and subgrade materials adjacent to these areas to become saturated, promoting subsequent localized pavement deterioration. Consequently, we recommend that most pavements abutting irrigated landscape areas be equipped with an underdrain system that penetrates a minimum depth equivalent to the bottom of the stabilized subgrade to intercept trapped shallow water and discharge it into a closed system or other acceptable discharge point.

Alternatively, curbing around landscaped sections adjacent to the parking lots and driveways could be constructed with full-depth curb sections to reduce horizontal water migration. However, underdrains may still be recommended dependent upon the soil type and spatial relationships. UES should review final grading plans to evaluate the need and placement of pavement and landscape underdrains.

9.2.3 Concrete (Rigid) Pavements

Concrete pavement is a rigid pavement that transfers reduced wheel pressures to the underlying subgrade soils when compared to a flexible pavement section. Current Wal-Mart specifications require a base course beneath concrete pavement. We recommend that the base course be supported on a stabilized subgrade. Our recommendations for the rigid pavement system are presented below:

- 1. The stabilized subgrade should be at least 4 inches thick, "free-draining" ($k \ge 1 \times 10^{-3}$ cm/sec), and have a minimum LBR value of 40. The base course should be at least 4 inches thick, "free-draining" ($k > 1 \times 10^{-3}$ cm/sec), and have a minimum LBR vale of 100.
 - As an alternative, If recommended "free-draining" materials are not available, and very poor drainage base material such as crushed concrete aggregate base material over compacted subgrade is used, the concrete thickness should be increased. The stabilized subgrade shall be densified to at least 98 percent of modified Proctor test maximum dry density (ASTM D1557/AASHTO T-180) to a depth of at least 12 inches and have a minimum LBR value of 40.
- 2. The stabilized subgrade and base materials should be densified to at least 98 percent of modified Proctor test maximum dry density (ASTM D1557/AASHTO T-180).
- 3. The surface of the subgrade soils must be level, and any disturbances or wheel rutting corrected prior to placement of concrete.
- 4. Concrete pavement thickness should be uniform throughout, with exception to thickened edges (curb or footing).

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5. The bottom of the pavement should be separated from the estimated typical wet season groundwater level by at least 12 inches.

Our recommendations for slab thickness for standard and heavy duty concrete pavements are presented below.

TABLE 6 (UNREINFORCED) CONCRETE PAVEMENT WITH FREE-DRAINING BASE			
Minimum Pavement Thickness*	Maximum Control Joint Spacing	Recommended Sawcut Depth	
Standard Duty - 5 Inches	10 Feet x 10 Feet	1 1/4 Inches	
Heavy Duty - 6 Inches	12 Feet x 12 Feet	1 ½ Inches	

^{*}Minimum pavement thickness values if the "free-draining" base material is available. Free draining material should be at least 4 inches and have a minimum LBR of 100.

TABLE 7 (UNREINFORCED) CONCRETE PAVEMENT – WITH POORLY DRAINING MATERIAL			
Minimum Pavement Thickness*	Maximum Control Joint Spacing	Recommended Sawcut Depth	
Standard Duty - 6 Inches	10 Feet x 10 Feet	1 ½ Inches	
Heavy Duty - 7 Inches	12 Feet x 12 Feet	1 ¾ Inches	

^{*}Minimum pavement thickness values if the "free-draining" base material is not available. Poorly drainage material such as crushed concrete aggregate base should be at least 4 inches and have a minimum LBR of 100. Crushed concrete aggregate base material should be placed over compacted stabilized subgrade.

We recommend using concrete with a minimum 28-day compressive strength of 4,000 psi and minimum 28-day flexural strength (modulus of rupture) of at least 600 pounds per square inch, based on 3rd point loading of concrete beam test samples. Layout of the sawcut control joints should form square panels, and the depth of sawcut joints should be ¼ of the concrete slab thickness. The control joints should be sawed within 6 hours of concrete placement or as soon as the concrete has sufficient strength to support workers and equipment. We recommend allowing UES to review and comment on the final concrete pavement design, including section and joint details (type of joints, joint spacing, etc.), prior to the start of construction.

For further details on concrete pavement construction, please reference the "Guide to Jointing of Non-Reinforced Concrete Pavements" published by the Florida Concrete and Products Association, Inc., and "Building Quality Concrete Parking Areas", published by the Portland Cement Association.

9.2.4 Groundwater Considerations

One of the most critical influences on pavement performance is the relationship between the pavement subgrade and the seasonal high groundwater level. It has been our experience that roadways and parking areas may be damaged as a result of deterioration of the base and the base/surface course bond from saturation of the subgrade and/or base materials. We recommend that the seasonal high groundwater and the bottom of the base course be separated by at least 24 inches. For concrete pavement the minimum separation may be reduced to 18 inches provided the compacted base and subgrade is "free-draining" material.

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Provided the native in-situ clays are selectively undercut a minimum of 2 feet below the bottom of the base of the pavement section, the recommended separation should be provided. The separation should be confirmed by reviewing the final site grading and paving plan. If the separation is not provided by grading and/or permanent surface drainage improvements, underdrains may be required.

9.2.5 Construction Traffic

Light duty roadways and incomplete pavement sections may not perform satisfactorily under construction traffic loadings. We recommend that construction traffic (construction equipment, concrete trucks, sod trucks, garbage trucks, dump trucks, etc.) be re-routed away from these roadways or that the pavement section design account for these loadings.

9.3 Site Preparation

9.3.1 General

We recommend normal, good practice dry weather site preparation procedures for the building and pavement areas. These procedures include: stripping/demolition of the site to remove: vegetation, surficial organics, trees and root systems greater than ½ inch in diameter and other debris. Following stripping/demolition, the exposed subgrade soils in areas to receive fill or at the subgrade elevation in cut areas should be <u>proof-rolled</u> to detect soft or loose soils. A more detailed description of this work is as follows:

- Prior to construction, existing underground utility lines within the construction area should be located. Provisions should be made to relocate interfering utilities to appropriate locations. It should be noted that if underground pipes are not properly removed or plugged, they may serve as conduits for subsurface erosion which may lead to excessive settlement of overlying structures.
- 2. Strip/demolish the proposed construction limits of topsoil, asphalt, and other deleterious materials within and 5 feet beyond the perimeter of the proposed building and pavement areas.
- 3. The site should be graded to direct surface water runoff away from the construction areas. Positive drainage of improved areas shall be maintained during construction and throughout the design life of the project. Further, we recommend drainage swales/underdrain system be implemented to intercept and evacuate stormwater runoff before it travels to excavated areas.
- 4. After clearing and stripping of the site is completed, the prepared subgrade soils within fill areas of the building area (Elevation +111.5 ft. NAVD) should be observed and probed by a qualified agent of Wal-Mart's testing agency to locate any surficial deposits of vegetation, excessive roots or debris. If identified, undercut the vegetation, organics, muck, or deleterious material until clean natural soils are encountered and backfill the resulting excavations according to the fill placement procedures provided later in this section.
- 5. The Wal-Mart building pad area, including a margin of 5 feet beyond should be undercut to a uniform elevation of +111.5 ft. NAVD. The cut area should be proof-rolled and tested for compliance to compaction requirements, to a depth of 12 inches below

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elevation +111.5 ft NAVD. The over-excavated areas should be backfilled with a compacted, low permeability, non-plastic engineered fill material. Fill material should consist of poorly draining, silty sand or clayey sand with between 10% to 25% material passing the No. 200 sieve, a Liquid Limit (LL) value less than 30, and a Plasticity Index (PI) value less than 15. Special compaction equipment (i.e. Sheepsfoot Roller) and strict moisture control may be required to achieve the minimum compaction specifications. Loose lift thicknesses of 8 inches or less are recommended.

- In the areas to receive fill or at subgrade cut elevation (other than the Wal-Mart building pad) resulting from Item 2 and 4 above, the subgrades should be compacted using a smooth drum vibratory roller having a minimum static, at-drum weight on the order of 10 tons and a drum diameter on the order of 3 to 4 feet making a minimum of eight overlapping passes with the second set of 4 passes perpendicular to the first set of 4 passes. If wet conditions are prevalent anywhere on site, at the discretion of a qualified representative of Wal-Mart's testing agency, a bridge lift of "dry" sand may be placed to raise the compaction surface above the water table sufficiently to enable effective compaction. Typically, the material should exhibit moisture contents within +/- 2 percent of the modified Proctor optimum moisture content (ASTM D-1557) during the compaction operations. Compaction should continue until densities of at least 95 percent of the modified Proctor maximum dry density (ASTM D-1557) have been uniformly achieved within the upper 24 inches of the compacted subgrade surface.
- 7. Site preparation includes backfilling some drainage areas/gullies. Contractor should have these areas drained prior to work commencing. All material cleared, de-mucked and grubbed from the drained areas/gullies should be disposed. A layer of bi-axial geotextile should be placed over the excavated subgrade for constructability purposes to allow for a platform to star placing the backfill. Backfill and fill should be placed in uniform 8- to 10-inch loose lifts, and each lift should be compacted to a minimum density of 95 percent of the modified Proctor maximum dry density. Backfill material shall consist of low permeability, engineered fill material. Allow the backfill to consolidate under the weight of the fill material.
- 8. Place fill material, as required. In the Wal-Mart Building pad area, fill material should consist of low permeability material as described in section 9.3.1.5. In areas other than the Wal-Mart building pad area, the fill should consist of sand with less than 10 percent soil fines. Place fill in uniform 10- to 12-inch lifts and compact each lift to a minimum density of at least 95 percent of the modified Proctor maximum dry density (ASTM D1557). The last 12 inches of fill beneath the parking areas should be compacted to at least 98 percent of the Modified Proctor maximum dry density. Stabilize the upper 6 inches of this zone with shell or limerock as required to meet the subgrade recommendations contained in Section 9.2.2.1 and the Pavement Section Design, Appendix D.
- 9. Test the subgrade and each lift of backfill in over-excavated and fill areas for compaction at a frequency of not less than one test per 2,500 square feet in the building areas and one test per 10,000 square feet in paved areas.
- 10. In the building areas, test all footing cuts for compaction to a depth of 1 foot. We recommend you test every column footing, and conduct one test for every 100 lineal feet of wall footing.

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11. If difficult compaction conditions are encountered during the site work operations, the compaction efforts should stop and a qualified representative of Wal-Mart's testing agency should be consulted for recommendations. The qualified representative of Wal-Mart's testing agency should observe proof-rolling of the exposed subgrade to determine if additional compaction is warranted or if any soil material needs to be over-excavated and replaced.

If site preparation work is performed during the rainy season (June through September, reference historic data and Climatic Atlas of the United States), special care should be taken to maintain positive drainage from the building pad and paved areas to drains or ditches around the site. Unexpected wet periods can also occur in Florida during the "dry" season. Such events can raise water tables to levels above seasonal highs without the associated high temperatures to evaporate ponded water. Therefore, the contractor should practice wet weather means and methods for earthwork during the "dry" season as well. Groundwater and surface water control, use of granular fill material and aeration are the normal means to accommodate wet weather construction. All fill materials that are excavated from below the water table should be stockpiled for a sufficiently long period to allow drainage.

9.3.2 Suitability of Overexcavated Site Materials

9.3.2.1 Suitability Designation

From the point of view of evaluating the quality of site soils for re-use as fill material, we have subdivided the soil layers into four groups (Group A, Group B, Group C, Group D, and Group E) based on the percent fines determined from our laboratory tests. Please note that these groupings are not in accordance with industry standards but offered for ease of presentation and end use of the excavated soils. Also, organic soils are not suitable and are not recommended for use as structural fill material. Brief descriptions of the various groups based on fill suitability are presented in the following paragraphs. Table 8 shows the soil suitability groups.

SUITABILI	TABLE 8 SUITABILITY OF EXCAVATED SOILS FOR RE-USE AS FILL							
Designation	% fines passing No. 200 sieve	USCS Soil Classification	Suitability for re-use as fill material					
Group A	0 - 5	SP	Favorable, freely draining, clean sands					
Group B	5 - 12	SP - SM, SP - SC	Suitable, impedes infiltration and will require some aeration and moisture control					
Group C	12 - 25	SM, SC, SM - SC	Poor, impedes infiltration, limit overall use, may be used for stabilizing material. Will require very strict moisture control.					
Group D	> 25	SM, SC, SM – SC, CL, CH, ML, CH	Very Poor, not recommended for fill material, may be used as stabilizing material in pavement subgrade or used in green areas					
Group E	organic	PT, OL, SP-OL, SM-OL	Unsuitable, must be removed/demucked and replaced with Group A or B soils					

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9.3.2.2 Soils & Suitability

A review of the subsurface conditions found in our Borings indicates that the predominate soil designation is Group D, which is not suitable for re-use as fill. Individual boring logs must be reviewed to determine the actual soil classification at any boring location. We estimate that about 80 to 90 percent of the soils to be overexcavated will be designated as Group D. If encountered during excavation, soils in **Group D should not be used as backfill material due to difficulties in material handling**, however, these soils may be used in non-structural areas (green areas). Alternatively, they may be used greater than 5 feet below finished grade in deep fills for pavement areas with the understanding that there may be a negative effect on the project scheduling due to handling problems associated with moisture. Additionally, if these soils are not properly placed pavement performance may be negatively impacted. It should be noted that the successful use of group C and D soil types will be related to the sitework contractor's experience in working with these types of soils.

9.4 Sewer and Utility Lines

9.4.1 General Recommendations

We assume that proposed sewer and other deep utility lines at the site may have invert elevations several feet below existing grades. In general, the soils at this approximate level may be clayey sands and or clay [SC, CL, CH]. The clayey soils [CL, CH] should not be used as backfill material beside or above the utilities.

9.4.2 Trench Excavation and Backfill Recommendations

The following are our recommendations for construction of the proposed utility lines.

- 1. If deemed necessary by the contractor, install a dewatering system capable of maintaining a groundwater level at least 2 feet below bottom of pipe level.
- 2. After excavation to design invert elevations, the in-situ bedding soils should be compacted to at least 95 percent of the modified Proctor test maximum dry density (ASTM D 1557) to a depth of 12 inches below the bedding level. If limestone is encountered at invert elevations it should be undercut at least 12-inches, the sides and bottom of the undercut lined with geo-textile filter fabric and backfilled with compacted sand comparable in composition to the native sands. *The limestone excavation may require use of ripping teeth, headache balls, etc. to facilitate removal.* Compaction in confined areas can probably be achieved using jumping jacks or light weight walk-behind vibratory sleds and/or rollers.
- 3. After constructing the utility lines, backfill with suitable sand fill placed in 4 to 6 inch thick loose lifts. Each lift of backfill should be compacted to at least 95 percent of the modified Proctor test maximum dry density (ASTM D 1557). Beneath pavement areas, the top 12 inches of backfill should be compacted to at least 98 percent. Additionally, local jurisdictional compaction requirements should be followed when stricter than the recommendations herein.
- 4. If difficult compaction operations are encountered beneath the utilities due to excessive fines and/or wet conditions, a qualified representative of Wal-Mart's testing agency

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should be consulted for recommendations. It may be an option to over-excavate and replace the saturated soils with FDOT No. 57 stone.

5. All excavation work must meet OSHA Excavation Standard Subpart P regulations. Either a trench box, braced sheet pile structure or an excavation with temporary side slopes cut back at 1.5 horizontal to 1.0 vertical can be implemented. The side slope of 1.5 horizontal to 1.0 vertical is contingent upon the dewatering system adequately controlling slope seepage. Sheet piling should be designed according to OSHA sheeting and bracing requirements. We recommend a Florida registered Professional Engineer design any required sheeting/bracing system. Provisions for maintaining workman safety within excavations is the sole responsibility of the contractor.

9.5 Excavations

Excavations should be sloped as necessary to prevent slope failure and to allow backfilling. Temporary excavations below a depth of 4 feet should be sloped in accordance with OSHA regulations (29 CFR Part 1926) dated October 31, 1989. Where lateral confinement will not permit slopes to be laid back, the excavation should be shored in accordance with OSHA requirements. During excavation, excavated material should not be stockpiled at the top of the slope within a horizontal distance equal to the excavation depth. Provisions for maintaining workman safety within excavations is the sole responsibility of the contractor.

10.0 CLOSURE

Our interpretation of the site soil and groundwater conditions is based on our general knowledge of the area, subsurface borings performed and laboratory analysis conducted. UES did identify any geotechnical considerations that will significantly impact the planned development of the site, as we currently understand it, using conventional construction practices.

The identified considerations are: expansive clay foundation soils.

- 1. Deposits of potential expansive Clays: The potential detrimental effect of the expansive clays can be reduced to tolerable levels by the recommended undercut and replacement and use of top and bottom reinforcement in continuous footings.;
- 2. Shallow deposits of Clayey Sands and Sandy Clays [SC, CL] that may not be re-usable as fill in utility excavations;
- 3. The subgrade after excavation, in some areas may include very clayey sands, which will be difficult to compact. The clayey sandy soils may require stringent moisture control during compaction, particularly during rainy periods.

The potential detrimental effect of the expansive clays can be reduced to tolerable levels by the recommended undercut and replacement and use of top and bottom reinforcement in continuous footings.

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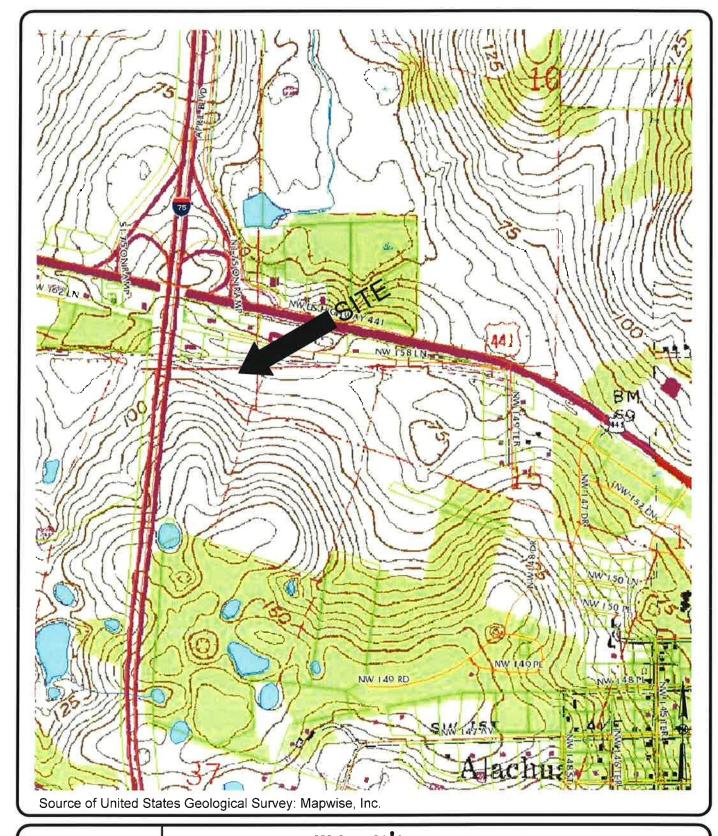
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Standard methods of surficial stripping, general excavation, proof-rolling, compaction and backfilling should adequately prepare the site. Wal-Mart's testing agency (CTL) should provide observation and testing services during the site preparation procedures to confirm that the earthwork operations meet the intent of the recommendations presented in this report. Universal Engineering Sciences strongly recommends that a pre-construction meeting be held with the following representatives in attendance at a minimum: Wal-Mart representative, general contractor, site (earthwork) contractor, civil engineer, underground utility contractor, UES geotechnical engineer, Wal-Mart's CTL and material testing technician. At this meeting, UES would describe in detail the geotechnical considerations that would impact the construction process and future serviceability of the improvements.



APPENDIX A

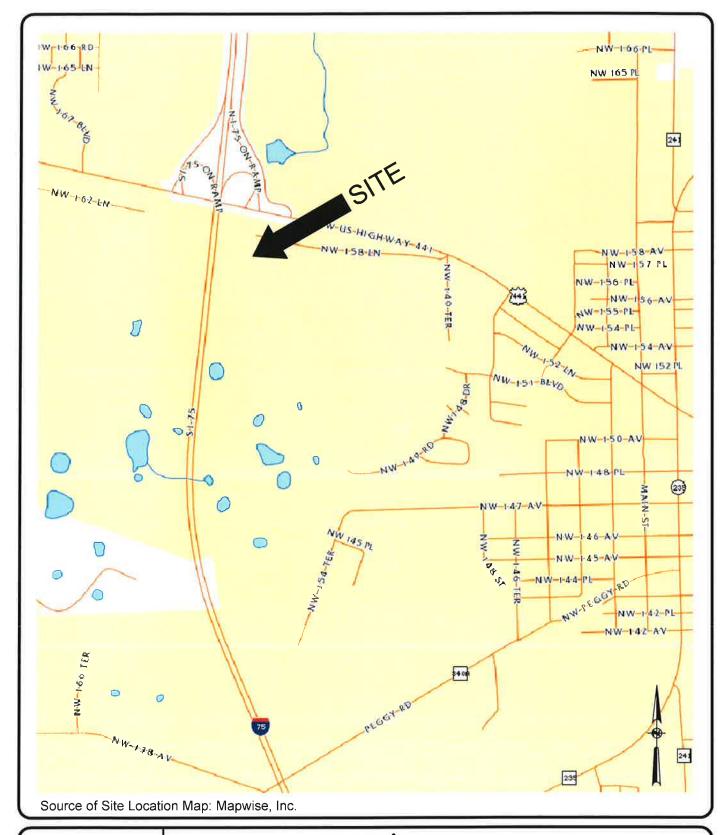
SITE LOCATION MAP USGS SITE LOCATION MAP





U.S.G.S. VICINITY MAP

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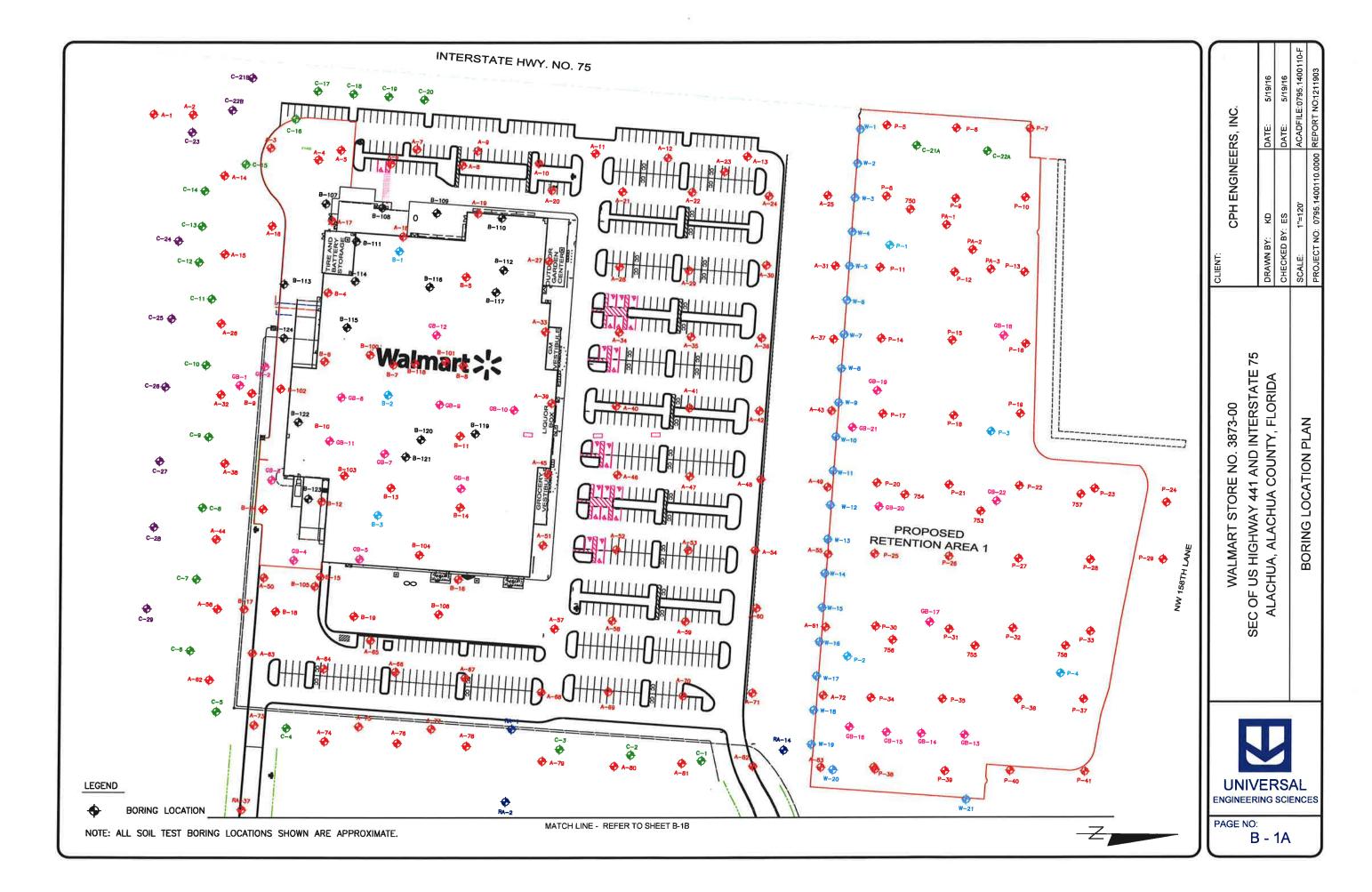
SITE	1	OCA	TIOI	V	MAP
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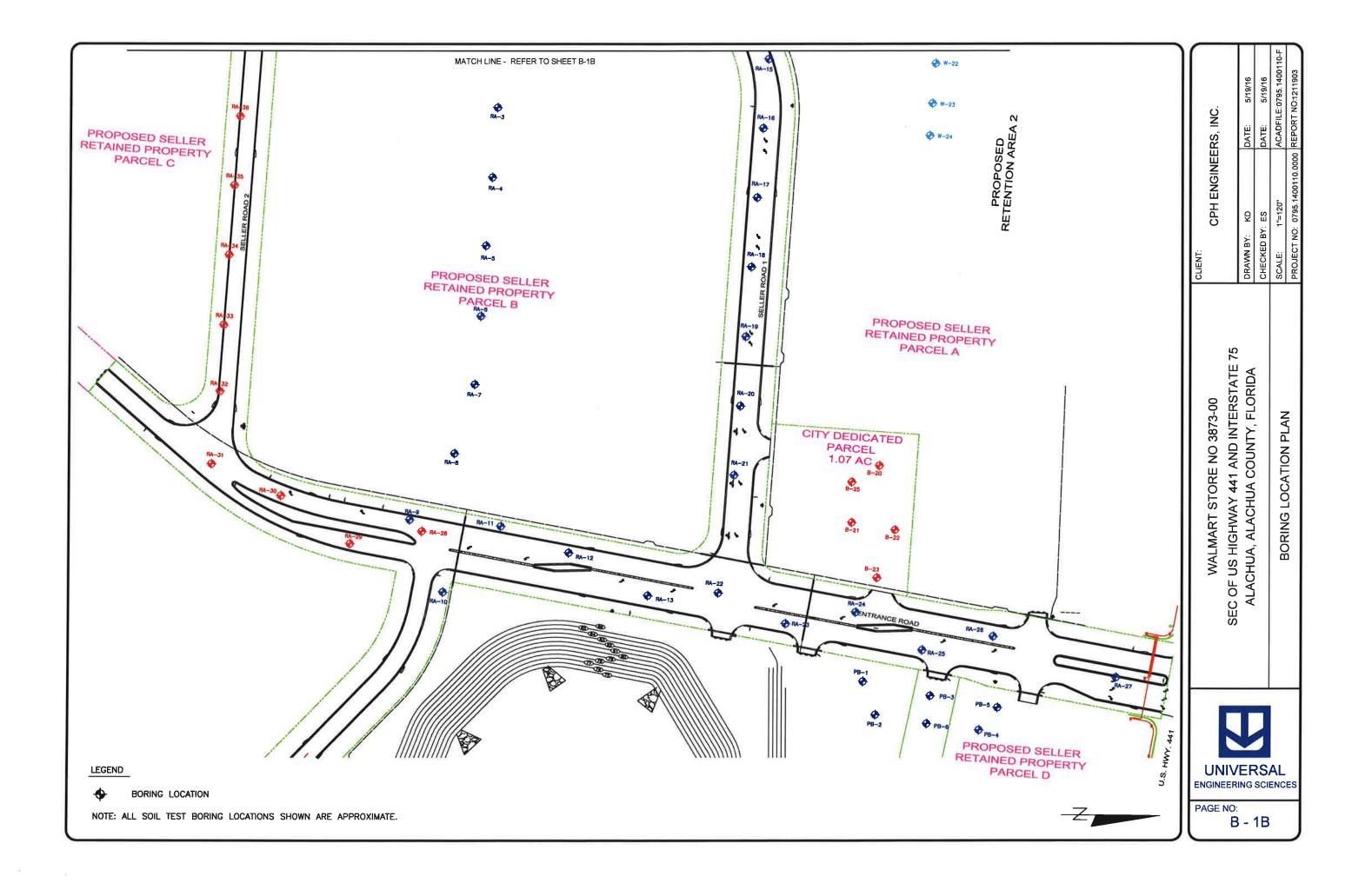
DRAWN BY	KD	DATE:	4/30/15	CHECKED BY	ES	DATE	4/30/15
SCALE:	NTS	FILE NO	0795 1400110 0000	REPORT NO	1211903	PAGE NO:	A - 2

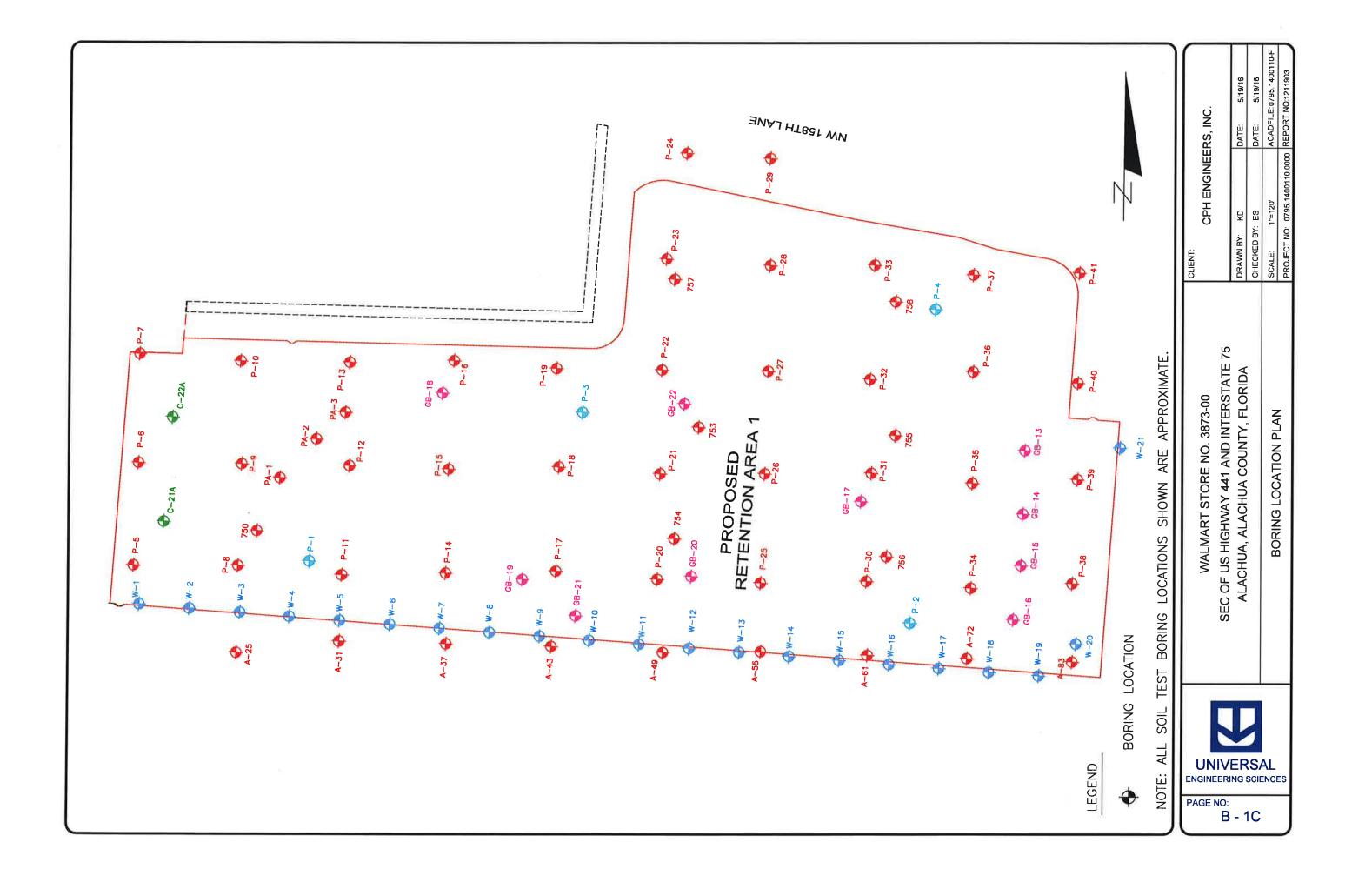


APPENDIX B

OVERALL SITE LOCATION INDEX
BORING LOCATION PLANS
BORING LOGS
KEY TO BORING LOGS
BORING NORTHING, EASTING, & ELEVATION









PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

PAGE: B-2

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-1

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 135.35

DATE STARTED: 2/7/05

WATER TABLE (ft): NE

DATE FINISHED: 2/7/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft):

EPTH M FT.)	BLOWS PER 6"	N VALUE	W.T.	S Y M B O	DESCRIPTION	-200	MC	ATTER	RBERG ITS	K (FT,/	ORG CONT
FT.) PLE	INCREMENT	VALUE		B O L	BESONII TION	(%)	(%)	LL	PI	DAY)	(%)
0				11	Brown clayey SAND [SC]				0 = -1		
1 - X	1-1-3	4		//	Very loose						
3-	4-6-7	13	1	11	Medium dense gray, orange and tan						
5 — X	5-7-7	14		11					01.0		
6 - X	9-7-8	15		//							
8 – X	9-9-8	17		12							
9 10	9-9-8	17		//	Medium dense						
11 —				11							
13					Green and orange fat CLAY [CH]						
14 — 🗙	3-5-6	11			Stiff						
16 — 17 —											
18 —											
19 20	2-3-3	6			Firm,						
21 —											
23 —		1.01		//	Medium dense light gray clayey SAND [SC]						
24 — 25 —	4-6-8	14	2	11		_		1 1			
					Boring Terminated at 25'						
- 14											
- 11											
- 14											
- 11											
- 11											
- 11											
- 1/1											
- 11											
11						1 /					



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

PAGE: B-3

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-2

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 135.00

DATE STARTED: 2/7/05

WATER TABLE (ft): NE

DATE FINISHED: 2/7/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): N.

PTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	МС		RBERG	K (FT/	ORG CON
T.) P	INCREMENT	VALUE	****	B O L	BESCRIP HON	(%)	(%)	LL	PI	DAY)	(%)
0-				388	Brown poorly graded SAND [SP]						
2	1-1-3	4			Very loose brown and orange clayey SAND [SC]						
4	3-4-6	10		111	Green, orange and gray fat CLAY, with sand [CH]						
6-2	4-5-6 8-7-8	11 15	10		Stiff						
8-8	8-8-9	17	1 8		Very stiff						
9-X	9-10-10	20			Medium dense gray and orange clayey SAND [SC]				00.0		
11 — 12 —					Green and orange CLAY [CH]						
13 — 14 — X	2-2-3	5			Firm						<u> </u>
15 — — 16 —	2-2-5	3			- Fitti						
17 — 18 —					Green, with limestone						
19 — 🛛	2-2-3	5			Firm						
21 —											
23 — 24 — X		100			Light gray to white clayey SAND [SC]						
25	4-5-6	-11		111	Medium dense Boring Terminated at 25'	1		N V	V 1		
					Bolling Terminated at 25						
- 11										1	
10.0											
- 11				1							
					1						
										- 1	



PROJECT NO .: 0795.1400110.0000

REPORT NO .: 1211903 PAGE: B-4

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U,S, HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-3

1 of 1 SHEET:

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 136.27

DATE STARTED: 2/7/05

WATER TABLE (ft): NE

DATE FINISHED: 2/7/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

						EST. WSWT (ft): NA	TYPE	E OF SAMPLING:	ASTM D	-1586
EPTH (FT.)	SAMPL	BLOWS PER 6" INCREMENT	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS	K (FT./ DAY)	ORG CON (%)

EPTH	BLOWS PER 6"	N VALUE	W.T. B	DESCRIPTION	-200	МС	ATTEI	RBERG MITS	K (FT_/	ORG.
(FT.)	LINCREMENT	W.1202	W, I B O L	BEGOTAL FIGH	(%)	(%)	LL	PI	DAY)	(%)
0-			111	Brown clayey SAND [SC]				- 1		1
2 —	1-2-3	5	111	Loose						
3-	4-5-7	12	1//	Medium dense orange and gray			1			
5 —	5-7-5	12	-111	Gray and orange						
6 -	6-5-6	11	111							
8-2	7-8-6	14	111							
9-10-	6-8-8	16	1/2	Medium dense						
11 — 12 —			4//	Cross and arrange fet Cl AV (Cl II						
13 —				Green and orange fat CLAY [CH]						
14 — 15 —	2-3-4	7	1///	Firm			L			
16 —										
17 — 18 —										
19 -	2-3-3	6		Firm						
20		-								
22 — 23 —			177	Light tan to white clayey SAND [SC]						
24 -	3-6-6	12	122	Medium dense						
25	3-0-0	12	77	Boring Terminated at 25'			K			0 0 0
- 1	1									



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

PAGE: B-5

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-4

NA

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 134.69

DATE STARTED: 2/7/05

WATER TABLE (ft): NE

DATE FINISHED: 2/7/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft):

EPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	MC	ATTER	RBERG	K (FT./	ORG. CONT (%)
FT.) F				0		(%)	(%)	LL	PI	DAY)	(%)
0-				2.500.0	Brown poorly graded SAND [SP]						
1-	1-1-2	3		1111		-					
3	2-2-4	6		///	Very loose brown silty SAND [SM] Loose brown clayey SAND [SC]						
5	7-6-6	12		111	Medium dense orange and light gray						
6	6-7-7	14		111	wedidin dense drange and light gray		1				
7 8 -	6-7-6	13	- 3	111							
9-5	5-6-7	13	1	1//	Medium dense						
10 — 11 —	3 00.	-10		111	Wedum dense						
12 —				1111	Green and orange fat CLAY, with sand [CH]	-					
13 — 14 — X											
15 -	3-3-5	8			Stiff	1		30 11			
16 — 17 —											
18 —	-										
19 —	2-3-5	8			Stiff				,		
21 —											
22 — 23 —				111	Light gray to white clayey SAND [SC]						
24 25	1-2-2	4		///	Very loose						
25 —					Boring Terminated at 25'						
						1					
	ľ										
		1									
1	The second second					11		110			



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC. CLIENT:

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-5

1 of 1 SHEET:

SECTION: 15/16

TOWNSHIP: 8S

18E RANGE:

GS ELEVATION(ft): 133.88

DATE STARTED: 2/8/05

WATER TABLE (ft): 23

DATE FINISHED: 2/8/05

DATE OF READING: 2/9/05

DRILLED BY: J. STILLSON

EST. WSWT (ft):

EPTH Å	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	MC	ATTER	RBERG	K (FT/	ORG
EPTH M FT.) P L E	INCREMENT	VALUE	VV-1-	B O L	DESCRIPTION	(%)	(%)	LL	PI	DAY)	(%)
0-				17.55	Brown poorly graded SAND [SP]						
2-X	4-6-7	13			Stiff orange and gray sandy CLAY [CH]						
3-	2-5-7	12			Medium dense orange and brown clayey SAND						
5 — X	2-5-8	13		///	[SC]	-		(i)	(()		
6 X	4-5-8	13		///							
8-8	3-4-6	10		111							
10	3-6-6	12			Medium dense orange and gray		0110000	0000			
11 —											
13 — 14 — X	0.5.0				Green and orange fat CLAY [CH]						
15 16	3-5-6	11			Stiff				Description of		
17											
18 — 19 — X	0.45				0						
20 —	3-4-5	9			Stiff		10	7			
22			▾		Light gray clayey SAND [SC]						
23 — 24 — X	0.5.7	40	_								
25	3-5-7	12	100	777	Medium dense Boring Terminated at 25'						
- 10											
- 411											
- 11											
31.1											
1 4	- 4		F - 1			3					



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REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-6

SHEET: 1 of 1

SECTION: 15/16 TO

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 132.94

DATE STARTED: 2/8/05

WATER TABLE (ft): NE

DATE FINISHED: 2/8/05

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft): NA

PTH M	BLOWS PER 6"	N VALUE	W,T	S Y M	DESCRIPTION	-200 (%)	MC	ATTER	RBERG IITS	K (FT _i /	ORG CON
EPTH MPLL	INCREMENT	*/***		B O L	DESCRIPTION	(%)	(%)	LL	PI	DAY)	(%)
0 -				7,359	Brown poorly graded SAND [SP]						
2 - X	4-4-6	10		///	Loose brown and orange clayey SAND [SC]						
3-4	4-5-8	13		111	Medium dense						
5 — X	4-5-8	13	0.000/	///							(
6-1	4-8-8	16		111							
8——————————————————————————————————————	4-6-8	14			Stiff green and orange fat CLAY, with sand [CH]						
9 — X 10 — X 11 —	4-5-7	12	-)——·
12 —											
14 — X 15 — X 16 —	5-5-7	12			Stiff				1		
17 —											
19 — X 20 — X 21 —	3-3-4	7	114		Firm						
22 - 23 - 23 -											
4 - \	3-4-6	10			Stiff	87			0.00		0.0
					Boring Terminated at 25'						
- 10/11											
100											
				1							
11 11						1	1	1			



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC. CLIENT:

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-7

SHEET:

1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 130.99

DATE STARTED: 2/8/05

WATER TABLE (ft): NE DATE OF READING: NA DATE FINISHED: 2/8/05 DRILLED BY:

J. STILLSON

TYPE OF SAMPLING: ASTM D-1586 EST. WSWT (ft): NA

EPTH M	BLOWS PER 6"	N VALUE	w.t.	S Y M	DESCRIPTION	-200	MC	ATTER		K (ET./	ORG CON
(FT.) P L E	INCREMENT	VALUE	VV.1.	B O L	DESCRIPTION	(%)	(%)	LL	PI	(FT./ DAY)	(%)
0 — 1 — 2 — 3 —	4-5-6 4-5-5	11 10			Brown poorly graded SAND [SP] Medium dense brown and orange clayey SAND [SC]						
4 — X 5 — X 6 — X 7 — X	3-6-11 3-3-7	17 10			Medium dense light brown, light gray and orange Firm orange and green fat CLAY, with sand [CH]				-		
8 — X 9 — X 10 — 11 —	3-3-4 3-4-5	9			Stiff						
12 — 13 — 14 — 15 — 16 —	3-4-6	10	l me		Stiff						
17 — 18 — 19 — 20 — 21 —	4-4-4	8			Light gray silty SAND [SM] Loose						
22 — 23 — 24 — 25 —	5-6-7	13	100 %	E C. L 3 F E C 3 F E C 4 F E C 4 F E C 4 F E C 5	Medium dense Boring Terminated at 25'						



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REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-8

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 128.43

DATE STARTED: 2/7/05

WATER TABLE (ft): NE DATE OF READING: NA

DATE FINISHED: 2/7/05

DRILLED BY: J. STILLSON

EST. WSWT (ft): NA TYPE

DEPTH M	BLOWS PER 6"	N VALUE	W,T_	S Y M	DESCRIPTION	-200	MC	ATTE	RBERG IITS	K (FT./	ORG CON
	INCREMENT			B O L		(%)	(%)	LL	PI	DAY)	(%)
0 —											
1-	4			111	Brown poorly graded SAND [SP] Loose brown and orange clayey SAND [SC]	_					
3	2-3-6	9	1	111	Loose brown and brange clayey SAND [SC]						
4-	2-3-6	9		177		1 (
5 -	2-4-6	10		122							
6 — X	3-4-5	9		111	Loose orange and gray						
8 – X	3-4-5	9	1	///							
9-10-	3-4-4	8	1	1111	Stiff green and orange sandy CLAY [CH]						
11											
12	1		1					1			
13 — 14 — X			}								
15	4-4-9	13			Stiff	S N		Vi amii	1		
16 — 17 —			1	111	Light gray and orange clayey SAND [SC]	-					
18—				111							
19 —	2-3-6	9		111	Loose						
20 —			1	///				1			
22 —				(111	Light gray silty SAND [SM]	-					
23 — 24 — X		1									
25	5-5-5	10	10	1111	Medium dense			0000			
					Boring Terminated at 25'						
4.1											
- 11											
						1					
- 1.1											
- 41 1						1 0					
- 40 1											
- 11											
- 0.1											
- 11		1									N
						4 1					
- 11											
11		1									
111	- /										
	U										
				100							



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-9

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 126.22

DATE STARTED: 2/7/05

WATER TABLE (ft): NE

DATE FINISHED: 2/7/05

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST_W\$WT (ft):

EPTH Å	BLOWS PER 6"	N VALUE	W _z T _z	S Y M	DESCRIPTION	-200	МС	ATTE	RBERG	K (FT./	ORG
EPTH M FT.) P L E	INCREMENT	V/ LOL		B O L	BESSIAI FISH	(%)	(%)	LL	PI	DAY)	CON7 (%)
0-					Brown silty SAND [SM]						
2 - X	2-2-2	4		111	Loose to medium dense brown clayey SAND	-					
3 - 4 -	2-3-3	6		111	[SC]						
5 6	2-3-5	8		111							
7-()	3-4-4	8		122							
8 — 8	3-4-5	9									
10	3-5-8	13	-		Medium dense orange and light gray	9			-		
12				1111	Green and orange fat CLAY [CH]						
13 — 14 — X	0.7.0	40									
15 —	3-7-9	16	A		Very stiff						4
17											
18 — 19 — X		-23									
20 —	4-5-6	11			Stiff	-					
21 — 22 —					Light gray clayey SAND [SC]	-					
23 — 24 — X											
25	3-5-6	11	-	111	Medium dense Boring Terminated at 25') h		,
					Bonng Forminatou at 25						
	1					1					
						1 1					
- 11											
41				1							
			1								
				- 1		1			ı I		



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-10

SHEET: 1 of 1

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 124.28

DATE STARTED: 2/7/05

WATER TABLE (ft): NE

DATE FINISHED: 2/7/05

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft):

SECTION: 15/16

EPTH M	BLOWS PER 6"	N VALUE	W_T.	S Y M B	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT/	ORG CONT
(FT ₋) P L E	INCREMENT			0 0		(%)	(%)	LL	PI	DAY)	CONT (%)
0- 1- 2- 3-	2-4-6 2-3-6	10			Brown poorly graded SAND [SP] Brown and orange clayey SAND [SC] Loose						
4 — 5 — 6 — 7 — 8 —	2-3-6 2-3-6 2-3-6	9 8 9			Stiff orange and green fat CLAY, with sand [CH]		-	Alm Lim p			
9 — X 10 — 11 — 12 —	3-3-6	9			Stiff			0			
13 — 14 — 15 — 16 — 17 —	2-4-5	9			Loose light gray clayey SAND [SC]			(i)			
18 — 19 — 20 — 21 — 22 —	3-4-5	9			Loose tan and light gray						
23 — 24 — 25 —	2-5-6	11			Light gray poorly graded SAND [SP] Medium dense Boring Terminated at 25'	4					



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-11

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 120.65

DATE STARTED: 1/28/05

WATER TABLE (ft): NE

DATE FINISHED: 1/28/05

DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EST. WSWT (ft): NA TYPE OF SAMPLING: ASTM D-1586

FT. P PRS NOREMENT NORE	ORG. CONT.	K (FT/	RBERG	ATTER LIM	MC	-200	DESCRIPTION	V.T B	N VALUE	BLOWS PER 6"	DEPTH M
1	(%)	DAY)	PI	LL	(70)	(70)		O L			(F I.) L
4-6-6 12							Brown poorly graded SAND [SP] Brown and orange clayey SAND [SC]	777	7	4-4-3	0 1 2
7 2-3-4 7 8 3-5-6 11 9 2-3-5 8 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									6	2-3-3	4 5
11 — 12 — 13 — 14 — — 2-2-3 5							Stiff green and orange		11	3-5-6	7 8 9
45 / 2-2-3 3 / 2//											11 — 12 — 13 —
				hner .			Boring Terminated at 15'		5	2-2-3	15



PROJECT NO.: 0795.1400110.0000

REPORT NO .: 1211903 PAGE: B-13

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT:

CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-12

SHEET:

1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 115.77

DATE STARTED: 2/1/05

WATER TABLE (ft): NE

DATE FINISHED: 2/1/05

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft):

TYPE OF SAMPLING: ASTM D-1586 NA

DEPTH M P I	BLOWS PER 6"	N VALUE	wT	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTER	RBERG	K (FT/ DAY)	ORG CON (%)
(F1.)	INCREMENT			0 0		(%)	(70)	LL	PI	ĎAY)	(%)
0 — 1 — 2 — 3 — 4 — 5 — 6 — 7 — 8 — 8 — 8	2-2-4 4-3-5 5-6-5 4-5-7 5-5-6	6 8 11 12 11			Brown and orange sandy CLAY [CH] Stiff:						
9 — X 10 — X 11 — 12 — 13 — X 14 — X 15 — X	5-7-7 2-2-4	6			Loose light gray and tan silty SAND [SM] Boring Terminated at 15'						



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

PAGE: B-14

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-13

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 108.87

DATE STARTED: 2/2/05

WATER TABLE (ft): NE
DATE OF READING: NA

DATE FINISHED: 2/2/05

DRILLED BY: G. WHITAKER

EST. WSWT (ft): NA TYPE OF SAMPLING: ASTM D-1586

	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT /	ORC
EPTH M P L E	INCREMENT	VALUE		B O L	DEGOTAL FIGH	(%)	(%)	LL	PI	DAY)	(%)
0 -				111	Loose brown clayey SAND [SC]						
2 — X	1-2-2	4		111							
4 (2-2-3	5		111	Loose						
5 — X	3-4-4 4-6-7	8 13		111	Loose orange and brown:						1
7 8	5-7-9	16			Stiff green and orange fat CLAY [CH]						
9-	5-7-8	15			Stiff						
11 —											
12 — 13 —											
14 — X 15 — X	2-4-8	12			Stiff						
- 11					Boring Terminated at 15'						
- 11				1							
				- 1							
1 1			1 1								
111									1		



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-14

NA

SHEET:

1 of 1

GS ELEVATION(ft): 138.93

TOWNSHIP: 8S

RANGE: 18E

WATER TABLE (ft): NE

DATE STARTED: 2/7/05 DATE FINISHED: 2/7/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft):

SECTION: 15/16

DEPTH NOTE Note	K COI (FT./ COI (AY) (%
1	
2	
4-5-6 11 Medium dense orange, tan and gray 7-5-5 10 8-6-7-7 14 9-7-9-9 18 Green and orange fat CLAY [CH] Firm Green and orange fat CLAY [CH] Firm Light gray to white clayey SAND [SC] Medium dense	
7-5-5 10 8 6-7-7 14 9 7-9-9 18 Green and orange fat CLAY [CH] Firm Firm Light gray to white clayey SAND [SC] Medium dense	
7	
9 7-9-9 18 11 1-12 13	
11 — 12 — 13 — 14 — 2-2-3 — 5 — Firm 14 — 2 — 2-3 — 5 — Firm 15 — 19 — 20 — 21 — 22 — 22 — 23 — 24 — 24 — 25 — 4-5-6 — 11 — Medium dense	
12 — 13 — 14 — 2-2-3	
14	
15	
17 — 18 — 19 — X 3-3-3 6 Firm 21 — 22 — 23 — 24 — X 4-5-6 11 Medium dense	7/4/2
19	
20	
Light gray to white clayey SAND [SC] 4-5-6 Medium dense	
23 — Light gray to write dayey SAND [SC] 24 — 4-5-6 11	
viedium dense	
Boring Terminated at 25'	
	- 1



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-15

SHEET: 1 of 1

SECTION: 15/16 TO

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 140.14

DATE STARTED: 2/7/05

WATER TABLE (ft): NE

DATE FINISHED: 2/7/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): NA

EPTH M	BLOWS PER 6"	N VALUE	W_T_	S Y M B	DESCRIPTION	-200	МС	ATTER	BERG ITS	K (FT./	ORG CONT
FT.) P L E	INCREMENT	VALUE	VV_I_	B O L	DESCRIPTION	(%)	(%)	LL	PI	DAY)	(%)
0 1					Brown poorly graded SAND [SP]						
2 — X	1-2-2 2-3-4	4 7		///	Loose brown clayey SAND [SC]						
5 — X 6 — X	5-7-9	16 16			Very stiff orange and gray sandy CLAY [CH]						
7 8 - 8	10-8-8 8-8-6	14			Medium dense gray and orange clayey SAND [SC]						
9 — X 10 — 11 —	7-7-8	15			Medium dense						-
12 — 13 —					Green and orange fat CLAY [CH]						
14 — X 15 — 16 —	3-4-4	8			Stiff			1			
17 18											
19 20	2-3-4	7			Firm	-	-	-			
21 — 22 — 23 —					Loose light gray clayey SAND [SC]	-					
24 — X 25	3-3-3	6			Boring Terminated at 25'			1			
					borning reminiated at 25						



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

PAGE: B-17

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-16

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 139.41

DATE STARTED: 2/7/05

WATER TABLE (ft): NE

DATE FINISHED: 2/7/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft):

EPTH M	BLOWS PER 6"	N VALUE	WT	S Y M	DESCRIPTION	-200 (%)	MC	ATTER	RBERG IITS	K (FT_/	ORG
EPTH M FT.) P L E	INCREMENT	VALUE		8 O L	BESSAM FISH	(%)	(%)	LL	PI	DAY)	CON1 (%)
0 1				230	Brown SAND [SP]						
2 – X	1-1-2	3		111	Very loose to loose brown clayey SAND [SC]	4					
3 4	1-2-3	5									
5 - 6 - 7	2-3-5 5-3-5	8 8			Loose light gray and orange						
7 8 - 2	5-6-4	10		111	Loose light gray and orange						
9-10	5-6-7	13			Medium dense						
11 —				111	Construction of the CLAVICLE						
12 —					Green and orange fat CLAY [CH]						
14 — X	3-4-4	8			Stiff						
16 — 17 —											
18 —		5									
20 —	1-2-3	5			Firm				0 1		
21 —	11										
23 — 24 — X	0.0.4	_			_						
25	2-3-4	7	1	7//	Firm Boring Terminated at 25'						
	1										
	, J										
4.3											
1.1											
	14										
1 1		1		- 1				1	1 1		



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT:

CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-17

SHEET:

1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 136.73

DATE STARTED: 2/7/05

WATER TABLE (ft): NE

DATE FINISHED: 2/7/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft):

Pere Value W.T. DESCRIPTION (%) (%	DEPTH M	BLOWS PER 6"	N VALUE	w.T.	S Y M B	DESCRIPTION	-200	МС		RBERG	K	ORG CON
1 - 2-3	(' '.) L		VALUE	VV	B O L	BESOMI HON	(%)	(%)	LL	PI		(%)
3-3-5 8 7-8-12 20 6 7 10-10-10 20 8 11-10-9 19 9 8-8-8 16 11 12-13 14 15 2-3-4 7 16 16 17 18 22-2 4 6 Firm 21-22-23 24 2-3-4 7 15 Soring Terminated at 25' Wery stiff orange and gray sandy CLAY [CH] Medium dense gray and orange clayey SAND [SC] Green and orange fat CLAY [CH] Firm Light gray to white clayey SAND [SC] Medium dense Boring Terminated at 25'					111	Brown clayey SAND [SC]						
4 - 5 - 8	2 – X		5			Loose						
6 10-10-10 20 8 8-8 16 11-10-9 19 8-8-8 16 11-10-9 19 8-8-8 16 16 17-10-9 19 16 17-10-9 19 16 17-10-9 19 16 17-10-9 19 16 17-10-9 19 16 17-10-9 19 16 16 17-10-9 16 16 17-10-9 16 16 17-10-9 16 16 17-10-9 16 16 17-10-9 16 16 16 16 16 16 16 1	4				111	Very stiff orange and gray sandy CLAY [CH]	-					
8 Name of the state of the st				1		that the short short shall have the second			1			
10	11/			3		Madium danagers and against CAND						
12 - 13 - 14 - 15 - 14 - 15 - 15 - 15 - 15 - 15	10 —					[SC]						
14	12 —					Green and orange fat CLAY [CH]	-					
16—17—18—19—2.2-2-4 6 Firm 21—22—23—24—25————————————————————————————	14 — 🗸	2-3-4	7			Firm						
18	16											
20 21 22 23 24 24 25 4-5-6 11 Light gray to white clayey SAND [SC] Medium dense Boring Terminated at 25'	18 —		l al									
Light gray to white clayey SAND [SC] Medium dense Boring Terminated at 25'	20 —	2-2-4	6			Firm			1 -			
Boring Terminated at 25	22 — 23 —					Light gray to white clayey SAND [SC]	1					
Boring Terminated at 25	24 — X	4-5-6	11		111				de l			
	20					Boring Terminated at 25'			T			
							1					
							1					
	- 13											
				1								
												1
									1			
	- 11											



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION; SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-18

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 133.29

DATE STARTED: 2/8/05

WATER TABLE (ft): NE

DATE FINISHED: 2/8/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST_WSWT (ft): NA

EPTH M (FT.) P	BLOWS PER 6"	N VALUE	WT	S Y M	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT./	ORG CON
(FT.) P	INCREMENT			B O L		(%)	(%)	LL	PI	DAY)	(%)
0 1 2 3 4 5	1-3-4 5-6-7 7-8-9	7 13 17			Brown clayey SAND [SC] Loose orange, light gray & tan Medium dense						
6 7 8 9 10	8-7-7 8-8-6 6-7-8	14 14 15			Orange, green and gray fat CLAY, with sand [CH] Stiff			0000			
12 — 13 — 14 — X 15 — 16 —	2-3-4	7			Green			0			
17 — 18 — 19 — 20 — 21 — 22 —	2-2-3	5			Light gray to white clayey SAND [SC] Loose						
23 — 24 — 25	5-5-5	10			Medium dense Boring Terminated at 25'						



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S., HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-19

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 128.56

DATE STARTED: 2/8/05

WATER TABLE (ft): NE

DATE FINISHED: 2/8/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): NA

EPTH M	BLOWS PER 6"	N VALUE	WT	S Y M	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT,/	ORG.
FT.) P	INCREMENT	171202		B O L	BEGGINI FIGH	(%)	(%)	LL	PI	DAY)	(%)
0-				111	Brown clayey SAND [SC]						
1-X	1-2-3	5	1 8	11	Loose						
3-	3-6-7	13	1 8	11	Medium dense						
4 — X	4-6-7	13	2	111	Stiff gray and orange sandy CLAY [CH]						
6-2	7-7-8	15		///	Medium dense brown and tan clayey SAND [SC]						
7	8-8-7			//	Orange and tan						
8 — 8		15	1	11							
10	6-9-8	17	2	777	Orange and green sandy CLAY [CH]	-			0.000		
11 —			8								
13 —											
14 — X 15 — X	2-3-4	7	E		Firm						
16			1								
17 — 18 —			2	77	Light gray and orange clayey SAND [SC]						
19 - 🔽	2-2-2			11	Loose						
20 —	2-2-2	4		//	Loose			1			
22			1	11	10/1-10						
23 —	17.7			1//	White						
24 — 🗙	4-6-7	13		11	Medium dense				10		,
					Boring Terminated at 25'						
4.1											
- 11											
- 14											
				- 1							
- 11											
- 11				- 1							
- 11											
- 14				- 1							
				- 1							
								10			



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC. CLIENT:

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-20

TOWNSHIP: 8S

1 of 1 SHEET:

RANGE: 18E

GS ELEVATION(ft): 124.85

DATE STARTED: 2/7/05

WATER TABLE (ft): NE

DATE FINISHED: 2/7/05

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft):

SECTION: 15/16

EPTH M P L E	BLOWS PER 6"	N VALUE	W.T.	S M B	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT./ DAY)	ORG CON
(F1.) [E	INCREMENT			OL		(%)	(%)	LL	PI	DAY)	(%)
0	-			3,50.7	Brown poorly graded SAND [SP]						
2	3-3-5	8	1 9	111	Loose brown and orange clayey SAND [SC]						
3	3-3-4	7		111	Loose orange and light gray						
5	2-4-6	10		111		100					
6	3-4-6	10			Green and orange sandy CLAY [CH]						
7 8	3-4-5	9			Still						
9 - 🛛	3-4-4	8			Crist						
10	3-4-4	0			Stiff	-		0.00			7
11 —											
13											
14	3-3-5	8	3	188	Loose light gray and orange silty clayey SAND						
16		1		111	[SC-SM]						
17 — 18 —				118							
19 - 🔽	3-4-7	11		120	Medium dense	27					
20	041			188	Wedum dense.	10.50					
22				110	Light gray						
23 - 24 - 2				120						1 4	
25	3-6-7	13		111	Medium dense			8			
					Boring Terminated at 25'	1 1					
		1									
- 1.1											
411											
- 7/ 1											
										/	
- 11		1 9									ļ.
- 11		1									
1.1											
	- 1										
						1					



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT:

CPH ENGINEERS, INC.

LOCATION. SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-21

SHEET:

1 of 1

GS ELEVATION(ft): 119.64

TOWNSHIP: 8S

RANGE: 18E

DATE STARTED: 1/28/05 DATE FINISHED: 1/28/05

WATER TABLE (ft): NE DATE OF READING: NA

DRILLED BY:

M. BOATRIGHT

EST. WSWT (ft):

SECTION: 15/16

EPTH M (FT.)	BLOWS PER 6"	N VALUE	w.t.	S Y M B O	DESCRIPTION	-200 (%)	MC (%)	ATTER LIM	RBERG IITS	K (FT./	ORG CON
(F1.) [E	INCREMENT			0		(%)	(%)	LL	PI	DAY)	(%)
0				1							
1-	455	40	1 6	111	Brown poorly graded SAND [SP] Loose tan, brown and orange clayey SAND [SC]						
3	4-5-5	10		111	2000 tall, blown and blange diayey of the [co]						
4	5-4-4	8	1	11/							
5 — X	5-6-6	12	1	111	Firm Stiff green and orange sandy lean CLAY [CL]						
7 (2-4-3	7			oun groom and orange candy tour of it [ed]						
8 — X 9 — V	5-7-7	14	1		_						
9	3-3-4	7			Firm						
11 — 12 —			3								
13											
14 — 🗙	3-4-4	8	3								/
					Boring Terminated at 15'						
- 11											
			8								
11											
									1		ľ
- 11											
1/1											
	1										
	1										



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-22

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 114_08

DATE STARTED: 2/3/05

WATER TABLE (ft): NE

DATE FINISHED: 2/3/05

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft):

NΔ

PTH MPL	BLOWS PER 6"	N VALUE	w.T	S Y M B O	DESCRIPTION	-200 (%)	MC (%)	ATTER	RBERG	K (FT./	ORG CON (%)
L E	INCREMENT			0 L		(70)	(,0)	LL	Ы	DAY)	(%)
0					D. A.						
1	400	_		11	Brown clayey SAND [SC]						
3	1-2-3	5		11	Loose						
4	2-2-3	5	1	1/	Stiff green and orange fat CLAY [CH]	-					
5	3-4-4	8	B								
7 (3-4-4	8	1 8		Stiff.						
8 9	4-5-5	10									
10	5-7-8	15	1 8		Stiff		-		7		
11 — 12 —			2			4					
13				11	Loose light gray to tan clayey SAND [SC]	-1					
14	3-4-5	9	2	11		4					
					Boring Terminated at 15'						
	1										
- 11	4										
- 11									1		
9.1											
	1										
									1		
			1								
- 1.1											
				1							
1.1			1								
- 11											
- 11				- 1							
		- 1									
						1					
								1			



PROJECT NO.: 0795 1400110 0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E., CORNER OF I-75 AND U.S., HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-23

SHEET: 1 of 1

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 110.54

DATE STARTED: 2/2/05

WATER TABLE (ft): NE

DATE FINISHED: 2/2/05

DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST W/SW/T (ft): NA

SECTION: 15/16

EPTH M FT.) P L	BLOWS PER 6" INCREMENT	N VALUE	w.T.	S Y M B O	DESCRIPTION	-200 (%)	MC (%)	ATTER LIM	RBERG IITS	K (FT / DAY)	ORG CON (%)
0				L		1					
1 - 🗸				11/	Brown clayey SAND [SC]						
3 — 🗴	1-2-2	4		111	Loose						
4	2-2-3	5		///	Laura bassim and assess						
5 - 8	3-4-4	8		111	Loose brown and orange						
7 (3-4-5	9	1	///	Madius days light around arong						
8 — X 9 — V	4-6-10	16		111	Medium dense light gray and orange						
10	5-7-9	16	3						1		1
11 — 12 —			1 3		Green and orange fat CLAY [CH]						
13 —			. 4								
14 — X 15 — X	3-5-7	12			Stiff						
					Boring Terminated at 15'						
											1
- 11											
11											
		1									
	\ \										



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-24

SHEET: 1 of 1

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 107.25

DATE STARTED: 2/2/05

WATER TABLE (ft): NE

DATE FINISHED: 2/2/05

DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST. WSWT (ft):

SECTION: 15/16

EPTH M FT.) P L	BLOWS PER 6"	N VALUE	w _T	S Y M B	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT/	ORG CON (%)
-T.) [F	INCREMENT			O L		(%)	(%)	LL	PI	DAY)	(%)
0 — 1 — 2 — X	1-2-3	5			Brown clayey SAND [SC] Loose						
3 — X 4 — X 5 — X	3-4-6 5-6-7	10 13			Stiff brown and orange sandy CLAY [CH]						
6 — X 7 — X	5-7-8 4-5-7	15 12			Stiff green and orange						
9 — X 10 — X 11 —	6-8-8	16			Medium dense light brown to tan clayey SAND [SC]	26					
12 — 13 — 14 — 15 —	3-5-5	10			Medium dense Boring Terminated at 15'						
					bonning reminiated at 15						
	1										
						1					



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC. CLIENT: LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-25

SHEET:

1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 102.00

DATE STARTED: 2/3/05

WATER TABLE (ft): NE

DATE FINISHED: 2/3/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft):	NA	TYPE OF SAMPLING:	ASTM D-1586

EPTH M (FT.) P L	BLOWS PER 6"	N VALUE	W.T.	S Y M B O	DESCRIPTION	-200 (%)	MC (%)	ATTER	RBERG IITS	K (FT_/	ORG CON
(FT.) P	INCREMENT			Ö		(%)	(%)	LL	PI	DAY)	(%)
0				V 6 4 4	W 0.00 F0.00				2		
1-	WOLL 4			F 1,1 1 1 1 1 1 1 1 1 1 1 1	Brown silty SAND [SM]						
3-	WOH-1	1			Very loose						
4	WOH-1-0 1-1-2	1 3			Very loose dark brown clayey SAND [SC]						
5 — X	2-1-2	3									
7—X	1-2-2	4		111	Lagra						
9 — 🔽	2-2-2				Loose						
10 —	2-2-2	4		111	Very loose	-					
12 —				111							
13 — 14 — X				111							
15 -	2-2-3	5		11/2	Loose				0.00		
					Boring Terminated at 15'						
- 10											
		0									
- 13											
- 11											
- 14											
110											
1.1											
- 11											
111											
11											
14/4	1										
								1			
											1



PROJECT NO.: 0795.1400110.0000

REPORT NO .: 1211903 PAGE: B-27

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

CLIENT:

BORING NO: A-26

SHEET:

1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 137.23

DATE STARTED: 2/4/05

DATE FINISHED: 2/4/05

WATER TABLE (ft): NE DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft):

DESCRIPTION (%) (%) (%)	TH M	BLOWS PER 6"	N VALUE	W T	S Y M	DESCRIPTION	-200	MC	ATTER	RBERG	K (FT/	ORG CON
1-2-3 5	.) E				OF	DESSIAN TION	(%)	(%)	LL	PI	DAY)	(%)
1-2-3 5) —				111	Provincial Control Con						
5-6-7 13 Medium dense 4-5-5 10 Medium dense tan, orange and gray 6-7-9 16 Medium dense orange and gray silty SAND [SM] Medium dense orange and gray silty SAND [SM] Medium dense gray and orange clayey SAND [SC] Green and orange sandy CLAY [CH] Firm Light gray to tan clayey SAND [SC] Loose Loose		1.2.3	5	1 9	111							
4-5-5 10 6-7-9 16 9-10-9 19 8-8-8 16 Medium dense tan; orange and gray: Medium dense Medium dense orange and gray silty SAND [SM] Medium dense gray and orange clayey SAND [SC] Green and orange sandy CLAY [CH] Firm Light gray to tan clayey SAND [SC] Loose Loose	\Diamond				177							
Medium dense 9-10-9 8-8-8 16 Medium dense orange and gray silty SAND [SM] Medium dense gray and orange clayey SAND [SC] Green and orange sandy CLAY [CH] Firm Light gray to tan clayey SAND [SC] Loose 2-3-5 8 Loose	\forall				///							
9-10-9 8-8-8 16 Medium dense orange and gray silty SAND [SM] Medium dense gray and orange clayey SAND [SC] Green and orange sandy CLAY [CH] Firm Light gray to tan clayey SAND [SC] Loose 2-3-5 8 Loose	\otimes				111							
8-8-8 16 Medium dense gray and orange clayey SAND [SC] Green and orange sandy CLAY [CH] Firm Light gray to tan clayey SAND [SC] Loose 2-3-5 8 Loose	Θ			1 3								
Sc	Θ				111							
1-2-3 5 Firm Light gray to tan clayey SAND [SC] Loose 2-3-5 8 Loose	4	8-8-8	16		111	[SC]				0.000		
1-2-3 5 Firm Light gray to tan clayey SAND [SC] Loose 2-3-5 8 Loose					111	Green and orange sandy CLAY [CH]						
2-3-4 7 Loose Loose Loose	+											
2-3-4 7 Loose Loose	XI.	1-2-3	5			Firm						
2-3-4 7 Loose Loose	П			13								
Z-3-5 8 Loose					///	Light gray to tan clayey SAND [SC]				1		
2-3-5 8 Loose	X	2-3-4	7		11/	Loose						
			11.00		111							
					111							
	∇	225	0		111	Lance						
	1	2-3-3	0				G .			1 1		
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									1			
	11											
	11											



PROJECT NO.: 0795 1400110 0000

REPORT NO.: 1211903

PAGE: B-28

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.
LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-27

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 124_45

DATE STARTED: 2/7/05

WATER TABLE (ft): NE

DATE FINISHED: 2/7/05

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft): NA TYPE C

TH M	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT./	ORG CONT
	INCREMENT			Ö		(%)	(%)	LL	PI	DAY)	(%)
0 —					Day of the Local Day of						1
1 2	2.6.7	40	1	///	Brown poorly graded SAND [SP] Medium dense brown and orange clayey SAND						
	3-6-7	13		///	(SC)						
4-(-)	3-4-7	11		///	Medium dense light brown & light gray						
5 — 💢	3-4-8	12		///							
- ()	3-4-8	12			Stiff orange & gray sandy CLAY [CH]						
	4-4-8	12				l 1					
H	4-6-9	15	1		Stiff green and orange						
11											
-		100									
X	7-8-9	17			Very stiff						
		24		111	Medium dense light gray and orange clayey						
A	4-5-8	13		111	SAND [SC]			1			
1				111							
				111							
X	7-8-9	17		111							
					Boring Terminated at 25'						
П											
Н				1							
Ш		1									
14											
-11											
-14											
-11											
			1						1 1		



PROJECT NO.: 0795.1400110.0000

REPORT NO .: 1211903 PAGE: B-29

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-28

1 of 1 SHEET:

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 119.28

DATE STARTED: 1/28/05

WATER TABLE (ft): NE

DATE FINISHED: 1/28/05

DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EST. WSWT (ft):

PTH M	BLOWS PER 6"	N VALUE	w _T	S Y M B	DESCRIPTION	-200	MC	ATTEI	RBERG	K (FT./	ORG CONT
	INCREMENT			Ö		(%)	(%)	LL	PI	DAY)	CONT (%)
0				100000	D. L. LOANID IOD						
1-	2-3-3			111	Brown poorly graded SAND [SP] Loose brown and orange clayey SAND [SC]						
3	2-3-3 4-5-4	6	1 3	111							
4 — X	4-4-5	9		1/1							
6-2	4-4-4	8			Stiff light green and orange sandy CLAY [CH]						
8-X	3-3-3	6	l B								
9 10	4-6-8	14			Stiff						
11 —											
12 — 13 —				177	Loose tan and orange clayey SAND [SC]	1					
14 — 🗡	1-3-3	6		111							
15		A STATE OF			Boring Terminated at 15'		100				
1.1											
- 11											
											ľ
	ľ										
- 11											
1.1											
								1			
- 11											



PROJECT NO.: 0795.1400110.0000

REPORT NO .: 1211903 PAGE: B-30

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-29

SHEET:

RANGE: 18E

1 of 1

GS ELEVATION(ft): 113.45

DATE STARTED: 2/3/05

DATE FINISHED: 2/3/05

WATER TABLE (ft): NE DATE OF READING: NA

SECTION: 15/16

DRILLED BY: G. WHITAKER

EST_WSWT (ft): NA TYPE OF SAMPLING: ASTM D-1586

TOWNSHIP: 8S

DEPTH M (FT.)	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	MC (%)	ATTER LIM	RBERG IITS	K (FT/	ORG.
(FT.) P L E	INCREMENT			B O L		(%)	(%)	LL	PI	DAY)	(%)
0 — 1 — 2 — X 3 — X 4 — X 5 — X	1-2-5 3-4-6 4-4-4	7 10 8	h ş	1: 6.1, 10 1: 1: 1: 1 1: 1: 1: 1	Brown silty SAND [SM] Loose Light gray, orange & brown						
6 — 7 — 8 — 9 — 10 — 11 —	4-5-4 4-6-6 4-5-7	9 12 12			Stiff green and orange CLAY [CH]	78					
12 — 13 — 14 — 15 —	2-4-6	10			Loose light gray to tan clayey SAND [SC] Boring Terminated at 15'						



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S,E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-30

SHEET: 1 of 1

SECTION: 15/16 TO

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 106.43

DATE STARTED: 2/3/05

WATER TABLE (ft): NE

DATE FINISHED: 2/3/05

DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST. WSWT (ft): NA TYPE OF SAMPLING: ASTM D-1586

EPTH M P L E	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	MC	ATTER	BERG ITS	K (FT/	ORG CONT
(FI.) : E	INCREMENT			O L		(%)	(%)	LL	PI	DAY)	(%)
0				111	Brown clayey SAND [SC]						
2-X	1-2-4	6		111	Loose						
3 — 🗙	3-4-5	9	ÿ	111							
5 — X	4-4-5	- 9	- (1111	Stiff green and orange sandy CLAY [CH]	-	11.0	W 1/2	- 00		
6 — X	5-6-6	12	1		our green and drange sailey on the form						
8 - X	5-7-8	15									
9-10-	3-4-6	10	14					1			
11 — 12 —			3								
13 —			1 3	111	Tan and orange clayey SAND [SC]						
14 — X	3-4-6	10		111	Loose						
13					Boring Terminated at 15'						
											1
											1
											Į.
	- 1)										
- 11											
		4 -4 1									



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-31

SHEET:

1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 101.07

DATE STARTED: 2/3/05

WATER TABLE (ft): NE

DATE FINISHED: 2/3/05 DRILLED BY:

R. WOODARD

DATE OF READING: NA

EST_WSWT (ft): TYPE OF SAMPLING: ASTM D-1586

DEPTH M (FT.) P L E	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	MC	ATTER	RBERG	K (FT./	ORG
(F1.) L E	INCREMENT			B O L		(%)	(%)	LL	PI	DAY)	CON7 (%)
0 — 1 — 2 — X 3 — X 4 — X 5 — X	1-1-2 1-2-2 3-4-6	3 4 10			Brown clayey SAND [SC] Very loose	38					
6 — 7 — 8 — 9 — 10 —	6-6-5 5-6-6 6-7-7	11 12 14			Stiff green and orange fat CLAY, with sand [CH] Medium dense tan clayey SAND [SC]						
11 — 12 — 13 — 14 — 15	2-3-4	7			Loose Boring Terminated at 15'	-10					



PROJECT NO.: 0795.1400110.0000

REPORT NO .: 1211903 PAGE: B-33

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-32

SHEET:

1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 129.48

DATE STARTED: 2/4/05

WATER TABLE (ft): 4,5

DATE FINISHED: 2/4/05

DATE OF READING: 2/5/05

DRILLED BY: R. WOODARD

EST. WSWT (ft): TYPE OF SAMPLING: ASTM D-1586 NA

EPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	MC		RBERG IITS	K (FT./	ORG
	INCREMENT			B O L	5-2 551	(%)	(%)	LL	PI	DAY)	(%
0			1	133	Light brown silty SAND [SM]						
1-X	1-1-1	2		Til	Very loose						
3-	1-3-4	7	131	111	Loose						
5 — X	3-3-4	7	1					-		_	
6 - X	6-4-4	8	1	144							
8 – X	5-6-5	11	1		Medium dense						
10	4-6-8	14	14	411				-			
11 —			10	H							
13 —			1. 10	111							
14 — X 15 — X	3-4-4	8	- 6		Loose						
16 — 17 —			1	111							
18 —			1 1	1.17							
19 — X	3-5-6	11		(1) (1) (1) (1)	Medium dense						
21 — 22 —			[4]	胃							
23 —	(4)		1 12	4.11-1							
24 — X	1-2-2	4	1	(4) (1)		_					
					Boring Terminated at 25'						
						1					
1/1											
				- 1				1	ı I		



PROJECT NO: 0795.1400110.0000

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REPORT NO.: 1211903

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-33

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

PAGE:

RANGE: 18E

M_B0ATRIGHT

GS ELEVATION(ft): 120.90

NA

D

DATE STARTED:

WATER TABLE (ft): NE

DATE FINISHED:

DATE OF READING: NA

EST. WSWT (ft):

DRILLED BY:

EPTH M (FT.)	BLOWS PER 6"	N VALUE	W.T	S Y M B O	DESCRIPTION	-200 (%)	MC (%)	ATTER	RBERG	K (FT./ DAY)	ORG
(F1.) L E	INCREMENT			, P		(70)	(/0)	LL	PI	ĎAY)	(%)
0									1		
1-				///	Brown poorly graded SAND [SP]	-					
2-	1-2-3	5		111	Loose brown and orange clayey SAND [SC]						
3 - 🗙	4-5-5	10		111							
5 — X	5-7-8	15		111	Medium dense	34			(A)		
6-	4-4-4	8		111							
8 – X	5-5-5	10			Stiff green and orange fat CLAY [CH]						
9-X	5-6-6	12		$/\!/\!\!/$			August -				
11 —											
12 —				$/\!/\!\!/$							
13 — 14 — V		-				4					
14 — X 15 — X	3-3-4	7		1.7.1	Loose brown and tan clayey SAND [SC] Boring Terminated at 15'			1			
- 11			1 1		Doming Terminated at 10						
				- 1		1					
- 1.1			1						1 1		
			1			1 7					
	1		1 1			1					
1.1						1					
1.1											6
- 1/4									1 4		
11											
1.4								1 /			
1.1		1							1		
1.1											
		1									
			1								
- 11											
1.0											
- 1.1											
1 1											
				- 1							
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PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

PAGE: B-35

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-34

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 116.20

DATE STARTED: 1/28/05

WATER TABLE (ft): NE

DATE FINISHED: 1/28/05

DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EST. WSWT (ft): NA

EPTH M	BLOWS	N) A/ T	S Y M	DESCRIPTION	-200	МС	ATTER	RBERG	K (FT./	ORG
EPTH M FT.) P L E	PER 6" INCREMENT	VALUE	W,T.	B O L	DESCRIPTION	(%)	(%)	LL	PI	(FT./ DAY)	CON (%)
0-					Brown poorly graded SAND [SP]						
2 – X	2-4-4	8		166	Brown and orange clayey SAND [SC]						
3 - \	3-4-5	9		111							
5 — X	4-5-6	11			Stiff green and orange sandy CLAY [CH]		0				
7-()	4-4-5	9									
8 — X 9 — X	3-4-5 4-6-8	9 14									
10	4-0-0	14					-				
12 —					Tan and brown clayey SAND [SC]	_					
13 — 14 — 15 —	2-3-4				1						
15 —	2-3-4	7	-		Loose Boring Terminated at 15'			00 a ar)			



PROJECT NO: 0795.1400110.0000

REPORT NO .: 1211903 PAGE: B-36

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC. CLIENT:

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-35

SHEET:

1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 110.42

DATE STARTED: 2/3/05 DATE FINISHED: 2/3/05

WATER TABLE (ft): NE DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST, WSWT (ft): NA TYPE OF SAMPLING: ASTM D-150	EST, WSWT (ft):	NA	TYPE OF SAMPLING:	ASTM D-1586
---	-----------------	----	-------------------	-------------

DEPTH M (FT.) P L	BLOWS PER 6"	N VALUE	wт	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTER	RBERG IITS	K (FT/	ORG.
(F1.) L	INCREMENT			O L		(70)	(%)	LL	PI	DAY)	CONT (%)
0 —				111	Brown clayey SAND [SC]						
1-X	1-2-4	6		111							
3-	2-3-4	7			Loose light brown, gray and orange						
5 — X 6 — X	3-3-4	7						-			
7 (3-5-6	11		111	Medium dense gray and orange						
8 — X 9 — X 10 — X	7-8-10 3-4-5	18 9		1111	Stiff light gray and orange sandy fat CLAY [CH]	1					
10 ————————————————————————————————————	3-4-3	9									
12 — 13 —											
14 — X 15 — X	4-5-7	12	1 3		Stiff green and orange						
15	, , , ,	1.5			Boring Terminated at 15'						
											8
	/										
11											
- 13				1							
1.1											(
11											l l
- 11											1
1/1											}
777											
		1									



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

PAGE: B-37

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-36

SHEET: 1 of 1

18E

SECTION: 15/16 TOWNSHIP: 8S

RANGE:

GS ELEVATION(ft): 104.15

DATE STARTED: 2/3/05

WATER TABLE (ft): NE

DATE FINISHED: 2/3/05

DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST. WSWT (ft):

NA

EPTH M (FT.) P L E	BLOWS PER 6"	N VALUE	W,T.	S Y M B O	DESCRIPTION	-200 (%)	MC (%)	ATTER	RBERG NTS	K (FT./ DAY)	ORG CON (%)
L E	INCREMENT			O L		(70)	(70)	LL	PI	ĎAY)	(%)
0-				111	Brown clayey SAND [SC]			1			
1 — 2 — X	1-2-2	4		111	Loose						
3 —	2-2-3	5		111	Loose			W I			
4 — X	2-2-3	5		111	200301		S				
6 — X	2-3-5	8		111	Loose brown and orange clayey			4 1			
7 — X	5-8-8	16		11/1	Very stiff green and orange fat CLAY [CH]						
9-X	3-4-5	9	1		Stiff						
11											
12 — 13 —											
14 — X	3-5-7	12			Stiff						
15	3-3-7	12		2224	Boring Terminated at 15'						
								1			
- 1/1		6 (
						M					
						4					
				31							
- 4.1											
				V 11							
- 41.1											
				l m							
- 1/ 1			1 1	11							
1 1											



PROJECT NO: 0795 1400110 0000

REPORT NO .: 1211903

PAGE: B-38

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-37

SHEET:

1 of 1

GS ELEVATION(ft): 98.16

SECTION: 15/16

TOWNSHIP: 8S RANGE:

DATE STARTED: 2/3/05

DATE FINISHED: 2/3/05

WATER TABLE (ft): NE DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): NA TYPE OF SAMPLING: ASTM D-1586

EPTH M FT) P L E	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTE	RBERG IITS	K (FT/	ORG. CONT (%)
L E	INCREMENT			O L		(70)	(70)	LL	PI	ĎAY)	(%)
0			-	111	Brown clayey SAND [SC]	-					
2-X	WOH	WOH		111	Very loose						
3-	WOH-1-1	2		111							
5 — X	1-0-1	1	100	333		100)	1	0.000		
6 — 7 —	1-1-1	2		111							
8 — X 9 — X	1-1-1	2		111							
10	2-2-3	5		111	Loose						81.00
11 — 12 —				///							
13 -		1.5.2		1/2							
14 — X 15 — X	5-6-8	14	0-1	111	Medium dense gray and orange Boring Terminated at 15'			1 3			
					Doming Committeed at 10						
- 11											
- 1/1											
- 1.1											
- 1/4											
- 11											
- 11											
- 11											
- 14				1 1							
				1							
- 11											



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903 PAGE: B-39

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC. CLIENT:

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-38

1 of 1 SHEET:

SECTION: 15/16

TOWNSHIP: 8S

RANGE:

GS ELEVATION(ft): 132.31

DATE STARTED: 2/4/05

WATER TABLE (ft): NE

DATE FINISHED: 2/4/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

TYPE OF SAMPLING: ASTM D-1586 EST. WSWT (ft): NA

EPTH M (FT.)	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT,/	ORG CONT
(FT.)	INCREMENT			OF		(%)	(%)	LL	PI	DAY)	CON7 (%)
0				111	Brown clayey SAND [SC]						
1 - X	1-2-2	4	1 3	111	Loose						
3-\	2-3-4	7		111	Medium dense light gray & orange						
5 - 🗙	4-6-8	14		111		+	1	1			
6 X	8-8-8	16			Very stiff green and tan sandy fat CLAY [CH]						
8 — X	10-10-9	19									
9	7-10-10	20									
11 —											
12 — 13 —			1								
14 — X 15 — X	3-4-5	9			Stiff						
16 —											
17 — 18 —											
19 — 🗸	2-2-4	6			Firm						
20 —		(41)									
22 — 23 —											
24 25	3-4-7	11			Stiff						
25	0-4-7	10,50		1.7.7.	Boring Terminated at 25'		b				
									6 1		
								1			
		4									
				1 1		1		1			



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903 PAGE: B-40

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-39

1 of 1 SHEET:

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 116.11

DATE STARTED: 1/27/05

WATER TABLE (ft): NE

DATE FINISHED: 1/27/05

DATE OF READING: NA NΑ DRILLED BY: M. BOATRIGHT

EST. WSWT (ft):

EPTH MP L E	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC	ATTE	RBERG	K (FT./	ORG CON
(FI.) [E	INCREMENT			O L		(%)	(%)	LL	PI	DAY)	(%)
0				20.00	Development of A CAND (CD)						
1 - X	2-2-5	7		111	Brown poorly graded SAND [SP] Loose brown and orange clayey SAND, with	-					
3 🗙	4-5-6	11			Loose brown and orange clayey SAND, with trace of roots [SC] Medium dense brown silty SAND [SM]						
4 — X	6-8-7	15			Medium dense brown silty SAND [SM]						
6-1	3-3-3	6		111	Firm green and orange sandy fat CLAY [CH]	-					
7 — X	3-5-6	11			Stiff						
9 10	2-2-3	5			Firm						
11 —											
12 — 13 —											
14 — X 15 — X	3-2-3	5			Firm						
15					Boring Terminated at 15'						
- 14											
				0							
- 11	41										
- 1.1											
- 11											
- 11 1											
- 1/1											
- 11											
	- 9										
				1							
		ha wii		0 - 1							



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

PAGE: B-41

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-40

NA

SHEET:

≣T: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 111.63

DATE STARTED: 1/28/05

WATER TABLE (ft): NE

DATE FINISHED: 1/28/05

DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EST, WSWT (ft):

EPTH (FT.)	1 1	PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTER	IITS	K (FT_/	ORG CON ⁻ (%)
	Ĕ	INCREMENT			O L		(70)	(70)	LL	PI	ĎAY)	(%)
					10,000	Brown poorly graded SAND [SP]						
1 — 2 —	X	3-1-2	3									
3 —	X	3-4-4	8		111	Very loose brown clayey SAND [SC]						
4 — 5 —	X	3-4-4	8	0.00	111	Loose brown and orange	- 1- 10					-
6 -	X	4-4-5	9		1//							
8 —	X	3-4-6	10		111	Medium dense gray, brown and orange						
9 —	X	4-5-7	12			Stiff gray, light green and orange sandy fat CLAY [CH]						
11 —	4					[OII]						
12 — 13 —												
14 — 15 —	X	5-6-6	12									
15						Boring Terminated at 15'						
1												
- 4												
	1											
		1										
			1									
					N 1							
	1											
												17
						A						
- 1												
				l li								
				1								
				(1)								



PROJECT NO.: 0795.1400110.0000

REPORT NO .: 1211903

PAGE: B-42

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC. CLIENT:

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-41

TOWNSHIP: 8S

SHEET:

1 of 1

RANGE: 18E

GS ELEVATION(ft): 106.50

DATE STARTED: 2/2/05

WATER TABLE (ft): NE

SECTION: 15/16

DATE FINISHED: 2/2/05

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft):

EPTH M (FT.) P L	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	MC	ATTER	RBERG	K (FT/	ORG CON
(F1.) E	INCREMENT			B O L		(%)	(%)	LL	PI	DAY)	CON (%)
0- 1- 2-X	2-3-4	7			Brown poorly graded SAND [SP] Loose brown clayey SAND [SC]						
3 — X 4 — X 5 — X	2-1-2 1-2-2	3			Very loose						
6 — X 7 — X 8 — X	2-3-4 3-4-5	7 9			Loose Loose orange and gray						
9-X 10- 11-	2-5-7	12			Medium dense				0 = 10		0 0
12 — 13 — 14 — 15 —	3-4-6	10			Loose light gray						
					Boring Terminated at 15'						
	1										
	- 1	1	1								



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-42

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 101.50

DATE STARTED: 2/3/05

WATER TABLE (ft): NE

DATE FINISHED: 2/3/05

DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST, WSWT (ft): NA TYPE OF

EPTH (FT _i)	A M P	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTE	RBERG IITS	K (FT,/	ORG.
(=1,)	P L E	INCREMENT			O L		(70)	(70)	LL	PI	ĎAY)	(%)
0 — 1 — 2 — 3 — 4 —	X	1-2-2 2-2-2	4 4			Brown clayey SAND [SC] Loose						
5 — 6 — 7 —	X	2-2-2 2-3-5 4-6-8	8 14			Loose gray, brown and orange						
8 — 9 — 10 — 11 —	Ø	3-5-6	11			Stiff green and orange fat CLAY [CH]						
12 — 13 — 14 — 15 —	X	3-4-6	10									
15						Boring Terminated at 15'						
- 1												



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.
LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-43

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 96,29

DATE STARTED: 2/4/05

WATER TABLE (ft): NE

DATE FINISHED: 2/4/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): NA

EPTH M FT.) P L	BLOWS PER 6"	N VALUE	W.T.	S Y M B O	DESCRIPTION	-200 (%)	MC (%)	ATTER	RBERG	K (FT./ DAY)	ORG CONT (%)
' '.) L E	INCREMENT			O L		(70)	(70)	LL	Pl	ĎAY)	(%)
0				111	Brown clayey SAND [SC]		e				
1 - X	WOH	WOH			Very loose						
3-\	1-1-1	2		11/							
4 — X	1-0-1	1		111				ļ			
6-	1-1-1	2		1//							
8 — X	1-1-1	2		111							
9-10	1-1-1	2		///	Very loose						
11 —				111							
12 — 13 —			1 3								
14 — X 15 — X	2-3-4	7		111	Loose						
15					Boring Terminated at 15'						
						1 1					
- 10											
				1 1							
11						1					
- 11											
- 11.1											
- 11-1											
- 1/1											
- 11											
- 11		1									
- 1.1											
- 1.1											



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S, HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-44

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 133.73

DATE STARTED: 2/4/05

WATER TABLE (ft): 4

DATE FINISHED: 2/4/05

DATE OF READING: 2/5/05

DRILLED BY: R. WOODARD

EST. WSWT (ft): NA TYPE

DEPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	MC	ATTER	RBERG NTS	K (FT,/	ORG CONT
(FT.) PLE	INCREMENT		L	B O L		(%)	(%)	LL	PI	DAY)	(%)
0-				1:1.1.1	Brown silty SAND [SM]						
1 2	1-1-1	2			Very loose						
3-	1-1-0	1									
5 — X 6 — X	1-2-3	5	-		Loose light gray and orange	-		-			
7 —	3-5-8	13			Medium dense						
8 9 V	9-10-10 10-11-11	20 22		111	Medium dense gray clayey SAND [SC]	+					
10 —	10-11-11			14							
12 — 13 —					Green and orange fat CLAY, with sand and limestone fragments [CH]						
14 — 🔽	4-5-6	11	1		Stiff						
15 — 16 —		100									
17 — 18 —											
19 — 🔽	3-3-4	7			Firm						
20 —											
22 — 23 —											
24 — X 25 — X	3-4-5	9			Stiff						
25					Boring Terminated at 25'						
- 10											
- 10											
- 11											
			l, 1								
- 11	1										
- 11.1											



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.
LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-45

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 110.61

DATE STARTED: 1/27/05

WATER TABLE (ft): NE

DATE FINISHED: 1/27/05

DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EST...WSWT (ft): NA

DEPTH M (FT.) P L	BLOWS PER 6"	N VALUE	W.T.	S Y M R	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT./	ORG CON (%)
(' '.) L E	INCREMENT			B O L		(%)	(%)	LL	PI	DAY)	(%)
0				2,523	Brown poorly graded SAND [SP]						
2 📈	2-2-2	4		1111							
3 - 3	2-3-4	7			Loose brown silty SAND [SM]						
5 —X	3-3-5	8	3	111	Loose gray, orange and brown clayey SAND [SC]						
6 7	4-5-7	12		///							
8 8	8-8-10	18		111	Stiff green and orange sandy fat CLAY [CH]						
10	4-4-6	10	-		othing contains country lat on it [em]						
12											
13 - 14 - 1	2.2.5				0.75						
15	3-3-5	8		11.11	Stiff Boring Terminated at 15'	100		-			-
- 11											
- 11											
11											
- 11											
- 111											
	1								1 1		
		1									
								1 0			
1.1									1 1		
	- 1			V 1					l. I		
- 44									P 11		
									/ V		
- 44	1								1 /		1
- 11									Y 11	1	
) W						n ny		
1.1	1								l di		
11									1		
	1										
- 1.1											
1.1											
1.1											
11		1						1			
		- 1									
		- 1				- 1					



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-46

SHEET:

1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 106.41

DATE STARTED: 1/28/05

WATER TABLE (ft): NE

DATE FINISHED: 1/28/05

DRILLED BY: M. BOATRIGHT

DATE OF READING: NA EST. WSWT (ft): NA

1 INC INC	2-2-2 2-2-2 3-3-4 4-5-5 4-5-5 3-4-4	4 4 7 10 10 8		B O L	Brown poorly graded SAND, with silt [SP-SM] Loose Loose brown and orange clayey SAND [SC] Loose Medium dense Loose Green and orange sandy fat CLAY [CH] Stiff Boring Terminated at 15'	(%)	(%)	LL	PI	K (FT./ DAY)	ORG CON' (%)
1 2 3 4 5 5 6 7 8 9 10 11 1 12 12 13 1	2-2-2 3-3-4 4-5-5 4-5-5 3-4-4	4 7 10 10 8			Loose Loose brown and orange clayey SAND [SC] Loose Medium dense Loose Green and orange sandy fat CLAY [CH] Stiff						
2 X 2 3 4 2 5 5 6 X 2 7 8 X 2 10 11 1 11 12 12 13 13 15 15 15 15 15 15 15 15 15 15 15 15 15	2-2-2 3-3-4 4-5-5 4-5-5 3-4-4	4 7 10 10 8			Loose Loose brown and orange clayey SAND [SC] Loose Medium dense Loose Green and orange sandy fat CLAY [CH] Stiff						
3 — 2 2 3 5 — 3 5 — 3 5 — 3 6 — 7 8 — 9 — 3 11 — 12 — 13 — 13 — 13 — 15 — 15 — 15 — 15 — 15	2-2-2 3-3-4 4-5-5 4-5-5 3-4-4	4 7 10 10 8			Loose brown and orange clayey SAND [SC] Loose Medium dense Loose Green and orange sandy fat CLAY [CH] Stiff						
5 — X 3 6 — X 4 9 — X 3 11 — 12 — 13 —	4-5-5 4-5-5 3-4-4	10 10 8			Medium dense Loose Green and orange sandy fat CLAY [CH] Stiff						
7 8 4 9 7 10 3 11 7 12 7 13 7	4-5-5 3-4-4	10 8			Loose Green and orange sandy fat CLAY [CH] Stiff						
9 — 3 10 — 3 11 — 12 — 13 —	3-4-4	8			Green and orange sandy fat CLAY [CH] Stiff						<i>i</i>
10 — 11 — 12 — 13 —					Green and orange sandy fat CLAY [CH] Stiff						
12 — 13 —	2-3-5	8			Stiff						
13 —	2-3-5	8			Stiff						
15 2	2-3-5	8			Stiff Boring Terminated at 15'						
					Boning Terminated at 15						
								1			
									11 11		
						1	I		1 1		
									1 1		
									1 1		
									1 1		
									1 1		
									1 1		
									1 1		
							1		11 /		
	- 1			1					1 1		
	- 1								1 1		
- 11				1					1 1		
	- 1								1 1		
							1		1 1		
1.1							1		1 1		
						1	1		11 11		
						1	1		1 1		
							1		1 1		
1.1	- 10								1 1		
1 1	- 1								1 1		
1.1							1		1 1		
1.1							1				
	- 1						1				
						1					
				1 1							
		- 4				1					
		- 1									
									1		



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-47

TOWNSHIP: 8S

SHEET: 1 of 1

RANGE: 18E

GS ELEVATION(ft): 103.28

DATE STARTED: 2/2/05

WATER TABLE (ft): NE

SECTION: 15/16

DATE FINISHED: 2/2/05

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST_WSWT (ft): NA

EPTH A	BLOWS PER 6"	N VALUE	W.T.	S Y M B O	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT./	ORG
DEPTH M P L E	INCREMENT	77.202		O F		(%)	(%)	LL	PI	DAY)	CON (%)
0 — 1 — 2 — X 3 — X 4 — X	2-1-1 1-2-1	2 3		000	Brown poorly graded SAND [SP] Very loose Very loose brown clayey SAND [SC]	_					
5 — X 6 — X 7 — X 8 — X 9 — X	2-2-2 2-3-5 4-5-6 4-5-7	4 8 11 12			Loose gray and orange Medium dense						
10 — 11 — 12 — 13 — 14 — X 15 — X	2-3-4	7			Orange and gray sandy fat CLAY [CH]						
					Boring Terminated at 15'						



PROJECT NO.: 0795_1400110.0000

REPORT NO .: 1211903

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PROJECT: WALMART STORE NO. 3873-00

LOCATION: SEE BORING LOCATION PLAN

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

REMARKS:

BORING NO: A-48

SHEET:

1 of 1

18E

SECTION: 15/16

TOWNSHIP: 8S RANGE:

GS ELEVATION(ft): 99.54

DATE STARTED: 2/3/05

WATER TABLE (ft): NE

DATE FINISHED: 2/3/05

DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST. WSWT (ft):

DEPTH M (FT.) P L	BLOWS PER 6"	N VALUE	W,T,	S Y M	DESCRIPTION	-200	МС	ATTER	RBERG IITS	K (FT_/	ORG
(FT.) PLE	INCREMENT	VALUE	VV, I	B O L	DESCRIPTION	(%)	(%)	LL	PI	DAY)	CON (%)
0				111	Brown clayey SAND [SC]						
1 - X	1-2-2	4		111	Loose						
3-	2-2-2	4		///							
5 — X	2-3-2	5	1000		Loose						-
7-(-)	2-2-2	4		111							
8 — X 9 — V	2-3-3 5-6-7	6		111	Madius dans						
10 —	5-0-7	13			Medium dense						
12 —											
14 — 🗙	2-3-5	8			Green and orange fat CLAY, with sand [CH] Stiff						
15	2-0-0	D.E. Amy	0.00	*	Boring Terminated at 15'						
	1										
								4			



PROJECT NO: 0795.1400110.0000

REPORT NO.: 1211903

PAGE: B-50

PROJECT: WALMART STORE NO. 3873-00

CPH ENGINEERS, INC.

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

CLIENT:

BORING NO: A-49

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 95.15

DATE STARTED: 2/4/05

WATER TABLE (ft): NE

DATE FINISHED: 2/4/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): NA TYPE OF SAMPLING: ASTM D-1586

DEPTH M (FT.) P	BLOWS PER 6"	N VALUE	W.T.	S Y M B O	DESCRIPTION	-200 (%)	MC (%)	ATTE	RBERG IITS	K (FT/	ORG. CONT (%)
(F1.)	INCREMENT			O L		(70)	(70)	LL	PI	DAY)	(%)
0 — 1 — 2 — 3 — 4 —	WOH-1-1	WOH 2	XXXXX		Brown clayey SAND [SC] Very loose						
5 — X 6 — X 7 — X 8 — X 9 — X 10 —	1-1-2 2-2-2 2-2-2 4-4-4	3 4 4 8	******		Loose Gray and orange Loose						
12 — 13 — 14 — 15 —	3-3-5	8			Green, orange and gray fat CLAY [CH] Stiff Boring Terminated at 15'						



PROJECT NO : 0795.1400110,0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS: OFFSET 30' SOUTHEAST (NO ACCESS)

BORING NO: A-50

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 125 55

DATE STARTED: 2/7/05

WATER TABLE (ft): 3

DATE FINISHED: 2/7/05

DATE OF READING: 2/8/05

DRILLED BY: J. STILLSON

EST. WSWT (ft): NA

DEPTH M (FT.)	BLOWS PER 6"	N VALUE	W,T.	S M B O	DESCRIPTION	-200 (%)	MC (%)	ATTE	RBERG IITS	K (FT/	ORG.
(F1.)	INCREMENT			O L		(70)	(70)	LL	PI	ĎAY)	(%)
0 1 – 2 – X	2-2-2	4			Brown poorly graded SAND [SP] Loose						
3 — 4 — 5 —	1-2-2 1-2-3	4 5	*		Loose gray and orange clayey SAND [SC]						
6 — X 7 — X 8 — X	2-2-3 2-4-4	5 8									
9 — X 10 — 11 —	4-5-6	11		///	Medium dense light brown poorly graded SAND [SP]		(-			
12 — 13 — 14 — 15 —	2-2-2	4			Gray clayey SAND [SC] Loose						
16 — 17 — 18 — 19 — 20 — 21 —	2-6-7	13			Medium dense						
22 — 23 — 24 — 25 —	3-6-6	12			Stiff green sandy fat CLAY [CH] Boring Terminated at 25'						
- 11		4									



PROJECT NO.: 0795.1400110,0000

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PROJECT: WALMART STORE NO. 3873-00

LOCATION: SEE BORING LOCATION PLAN

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

REMARKS:

BORING NO: A-51

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 106.69

DATE STARTED: 1/27/05

WATER TABLE (ft): NE

DATE FINISHED: 1/27/05

DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EST. WSWT (ft): NA

EPTH M (FT.)	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	MC (%)	ATTE	RBERG NTS	K (FT/	ORG CON (%)
(FI.) [INCREMENT			0		(%)	(%)	LL	PI	DAY)	(%)
0-				भार इन्ह	Brown poorly graded SAND [SP]						
1	404										
3	1-2-4	6		122	Loose brown clayey SAND [SC]						
4	5-5-5	10		1//							
5 — 6 —	3-4-5	9		111	14 OAND (OA)	_					
7	5-7-7	14		111	Medium brown and gray silty SAND [SM] Green and orange fat CLAY, with sand [CH]	-					
8 — 8	2-3-3	6	1 8								
10	3-4-7	11	1		Stiff	1		-			-
11 — 12 —											
13 —											
14 — X 15 — X	3-4-6	10			Stiff				an I		
10					Boring Terminated at 15'						
1.1											
- 11											
- 11											
- 10											
1.1											
1.1											
- 44		1									
- 11											
11		Y		1							
- 14											
						1 1					
1000								1	1 1		



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC. CLIENT:

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-52

SHEET:

1 of 1

GS ELEVATION(ft): 102.70

TOWNSHIP: 8S

RANGE:

SECTION: 15/16

DATE STARTED: 1/31/05

WATER TABLE (ft): NE

DATE FINISHED: 1/31/05

DRILLED BY: G. WHITAKER

DATE OF READING: NA EST. WSWT (ft):

EPTH M FT.) P	BLOWS PER 6"	N VALUE	W.T.	S Y M B O	DESCRIPTION	-200 (%)	MC	ATTER	RBERG	K (FT./	ORG CONT (%)
FT.) P	INCREMENT	771202		O L	DESCRIPTION	(%)	(%)	LL	PI	DAY)	(%)
0				111	Brown clayey SAND [SC]			1			
2-X	1-2-3	5		122	Loose						
3 — X	2-2-2	4		111							
5 — X 6 — X	3-4-6 2-3-4	10 7		1111	Firm to stiff green and orange fat CLAY [CH]	87					
7 8 8	4-5-7	12				0,		1			
9-X	5-6-6	12			Stiff			L.			
11 — 12 —											
13 —											
14 — X 15 — X	4-4-5	9		1.7.7	Loose light gray clayey SAND [SC]	7		ķ.			
					Boring Terminated at 15'						
- 11											
1.1											
111											
- 44								1			
- 11											
- 11											
		1									
		(
				n 1		40					



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-53

1 of 1 SHEET:

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 99.12

DATE STARTED: 2/2/05

WATER TABLE (ft): 11

DATE FINISHED: 2/2/05

DATE OF READING: 2/3/05

DRILLED BY: J. STILLSON

EST. WSWT (ft): NA

DEPTH M (FT.) P L	BLOWS PER 6"	N VALUE	W.T.	S Y M B O	DESCRIPTION	-200 (%)	MC (%)	ATTER	RBERG	K (FT/	ORG CON' (%)
(FI.) L E	INCREMENT			0 L		(70)	(70)	LL	PI	DAY)	(%)
0				20.00	Brown poorly graded SAND [SP]						
1 2-X	1-2-1	3			Very loose brown silty SAND [SM]						
3-\	1-2-3	5		111	Loose brown clayey SAND [SC]						
5 —	3-4-5	9		111				_	1 - 1		
6 — 🗙	3-3-5	8		111							
8 — X 9 — X	3-3-3	6		111							
10 —	2-2-2	4		111							
11 —			-	1111	Gray and orange sandy fat CLAY [CH]						
13 —											
14 — 🗡	4-5-6	11	0		Stiff Boring Terminated at 15'			4 - 1			
					Borning Terriminated at 15						
- 11											
- 11											
- 1.1				1 1							
- 11											
11											
- 11											
- 1/1) I		
- 14											
10.76											
4.1											
				1 1							
		X-		1 1					0		



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-54

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 95.81

DATE STARTED: 2/3/05

WATER TABLE (ft): NE

DATE FINISHED: 2/3/05

DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST, WSWT (ft): NA

EPTH M (FT.)	BLOWS PER 6"	N VALUE	W.T.	S Y M B O	DESCRIPTION	-200 (%)	MC (%)	ATTER	RBERG	K (FT/	ORG CONT (%)
L E	INCREMENT			O L		(70)	(70)	LL	PI	ĎAY)	(%)
0				116.13	Very loose brown silty SAND [SM]						
1 - X	1-1-1	2			Loose brown clayey SAND [SC]						
3-X	1-2-2	4		111	Loose brown clayey SAND [SC]						
5-	3-4-4	8	Ш	111			10	J.	60 W		
6-8	3-5-6	11		111	Medium dense						
8 – X	5-6-8	14		111	Stiff gray and orange sandy fat CLAY [CH]						
9 — X 10 —	6-8-8	16									
11 —											
12 —					Green and orange						
14 — X 15 — X	3-3-4	7			Firm						
15					Boring Terminated at 15'						
1/1								1			
111	1										
						1					
- 11											
- 11											
- 014											
- 11 1											
- 11.1											
- 14											
		1									
- 11		1									
- 11											
- 1.1											



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PROJECT: WALMART STORE NO_3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN REMARKS:

SECTION: 15/16

BORING NO: A-55

RANGE:

1 of 1

GS ELEVATION(ft): 92.98

TOWNSHIP: 8S

DATE STARTED: 2/4/05

SHEET:

WATER TABLE (ft): NE

DATE FINISHED: 2/4/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

					EST. WSWT (ft)	: NA	TYPE	OF SAMPLING	: ASTM D	-1586
TH M	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS	K (FT./	ORG CONT

EPTH M (FT.) P	PER 6"	VALUE	W.T.	M B	DESCRIPTION	-200 (%)	MC (%)	LIN	IITS	K (FT./	CON (%)
(F1.) E	INCREMENT			O F		(70)	(70)	LL	PI	DAY)	(%)
0				111	Brown clayey SAND [SC]						
1-12	MOLL	WO!	1 3	111							
2 — X	WOH	WOH		177	Very loose						
4 (1-1-2	3		111							
5 — X	2-2-3	5		111	Loose						
7 - (4-4-5	9	1 3	111							
8 — X	6-7-5	12		1//	Medium dense						
10 —	5-6-6	12		111				-			
11 — 12 —				111							
13					Green and orange fat CLAY [CH]						
14 — X	2-3-4	7			Medium						
.					Boring Terminated at 15'						
		1 0									
- 11								1		b	
- 14											
- 14											
- 11											
- 14											
1.1											
1 1											



PROJECT NO.: 0795,1400110,0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-56

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 135.24

DATE STARTED: 2/4/05

WATER TABLE (ft): 6

DATE FINISHED: 2/4/05

DATE OF READING: 2/5/05

DRILLED BY: R. WOODARD

EST, WSWT (ft): NA TYPE OF SAMPLING: ASTM D-1586

EPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	MC		RBERG MITS	K (FT/	ORG.
(FT.) P L E	INCREMENT			B O L		(%)	(%)	LL	PI	DAY)	(%)
0				1,64,3	Brown silty SAND [SM]						
2-X	WOH	WOH		0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Very loose						
3-1	1-0-1	1		1 1 1 1							
5 — X	1-1-1	2	_			- - 1		1)
7-8	1-1-1 1-1-1	2									
9 - 🗸	1-2-2	4			Loose						
10 —											
12 — 13 —					Gray clayey SAND [SC]			ŀ			
14 — 🗙	1-2-3	5		111	Loose						
16 — 17 —				111			1				
18 —			10		Gray sandy fat CLAY [CH]						
19 — X	1-2-2	4			Soft		-		-		
21 — 22 —											
23 — 24 — X											
25	1-1-2	3			Soft Boring Terminated at 25'	_	-				
					Doming Formulated at 20						
	1										
							11.2				



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PROJECT: WALMART STORE NO 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **A-57**

NA

SHEET:

RANGE: 18E

1 of 1

GS ELEVATION(ft): 107.40

TOWNSHIP: 8S

DATE STARTED: 1/27/05

WATER TABLE (ft): NE

SECTION: 15/16

DATE FINISHED: 1/27/05

DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EST. WSWT (ft):

DIVILLED DT. IVI.

FT. P	K (FT / DAY)	CON
1 -2-2 4		(%)
1-2-2 4 3 -4-4 8 5 -4-6-7 13 6 -3-4-5 9 8 -5-6-10 16 9 -4-6-9 15 Medium dense Stiff green and orange clayey SAND [SC] Medium dense Stiff green and orange sandy fat CLAY [CH]		
3-4-4 8 5-4-6-7 13 6-3-4-5 9 8-5-6-10 16 9-4-6-9 15 Medium dense Medium dense Stiff green and orange sandy fat CLAY [CH] Stiff under the same of the sam		
4-6-7 13 Medium dense 5-6-10 16 Medium dense 9 A-6-9 15 Stiff green and orange sandy fat CLAY [CH] 11 Stiff under the sandy fat CLAY [CH]		
6		1
8 5-6-10 16 9 4-6-9 15 Stiff green and orange sandy fat CLAY [CH]		
9 4-6-9 15 Stiff green and orange sandy fat CLAY [CH] 11 12 13 14 5-6-7 13 Stiff		
11 — 12 — 13 — 14 — 25-6-7 13 Stiff		
12 — 13 — 14 — 5-6-7 13 Stiff		
14————————————————————————————————————		
15 5-0-7 13 Stim		
Botting Terminated at 15	4	
	1	



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT:

CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-58

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 102.38

DATE STARTED: 1/27/05

WATER TABLE (ft): NE
DATE OF READING: NA

DATE FINISHED: 1/27/05

DRILLED BY: M. BOATRIGHT

EST. WSWT (ft): NA

EPTH M	BLOWS PER 6"	N VALUE	w.t.	S Y M	DESCRIPTION	-200	MC		RBERG IITS	K (FT/	ORG CONT
	NCREMENT			B O L		(%)	(%)	LL	PI	DAY)	(%)
0-1-				111	Loose brown clayey SAND [SC]						
2 - X	2-4-4	8									
4-	4-5-5	10	1	111							
5	3-4-5	9		111			Talana Line		political.		
7-8	3-5-8 4-6-9	13 15			Medium dense brown and orange Stiff green, gray and orange sandy fat CLAY [CH]			1			
9-\	5-9-11	20	1 3		Very stiff						
10	3 3-11	20			very stin			YOU TO 1 X	110-00		0-101010
12			1								
13 —	3-3-3	6			Firm						
15	3-3-3	ū		~~	Boring Terminated at 15'		710 1111				1
- 11											
- 11											
						l d					
- 11											
11						4 1					
11											
											l.
1.1											
8.1											
	- 1					i ii		1			I I
	- 1										



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.
LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-59

SHEET: 1 of 1

SECTION: 15/16 T

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 97.93

DATE STARTED: 2/2/05

WATER TABLE (ft): NE

DATE FINISHED: 2/2/05

DATE OF READING: NA

DRILLED BY: J, STILLSON

EST, WSWT (ft): NA TYPE OF SAMPLING: ASTM D-1586

EPTH M	BLOWS	N)A/ T	S Y M	DESCRIPTION	-200	МС		RBERG	K	ORG
(FT.) P	PER 6" INCREMENT	VALUE	W_T_	B O L	DESCRIPTION	(%)	(%)	LL	PI	(FT./ DAY)	(%)
0- 1- 2-X 3-X 4-	2-4-5 2-3-3	9			Brown poorly graded SAND [SP] Brown clayey SAND [SC] Loose	41					
5 — X 6 — X 7 — X 9 — X	3-3-3 2-3-3 2-3-3 2-3-5	6 6 6 8			Loose						
10 — 11 — 12 — 13 — 14 — 15	3-5-6	11			Orange and gray sandy fat CLAY [CH]						10
15					Boring Terminated at 15'						



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC. CLIENT: LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-60

SHEET:

1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 94.54 WATER TABLE (ft): NE

DATE STARTED: 2/3/05 DATE FINISHED: 2/3/05

DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST. WSWT (ft): NA

EPTH M (FT.) P L	BLOWS PER 6"	N VALUE	W.T. B	DESCRIPTION	-200 (%)	MC (%)	ATTER	RBERG IITS	K (FT./ DAY)	ORG
(F1.) : E	INCREMENT				(70)	(70)	LL	PI	DAY)	(%)
0			70.6	Brown silty SAND [SM]						
1 - X	1-1-1	2	1 6. 1 1 1 7. 1 7. 4 1.	Very loose						
3 — 🗙	1-1-2	3	1	Brown clayey SAND [SC]						
5-X	2-4-4	8	1/	Loose			.,			
6 — X	3-4-5	9	1/							
8 X	4-5-6	11	22	Medium dense						
9 — X 10 —	5-6-8	14								
11 — 12 — 13 — 14 —	1-3-5	8		Gray and orange						
15	1-0-0	ų.		Boring Terminated at 15'				ora ey		
	Į/									
				T.			1			



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-61

TOWNSHIP: 8S

SHEET: RANGE:

1 of 1 18E

GS ELEVATION(ft): 92.13

SECTION: 15/16

DATE STARTED: 2/4/05

WATER TABLE (ft): NE

DATE FINISHED: 2/4/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft):

EPTH M (FT.) P L	BLOWS PER 6"	N VALUE	W,T.	S Y M B O	DESCRIPTION	-200 (%)	MC (%)	ATTER	RBERG	K (FT_/	ORG CON1
(F1.) [- E	INCREMENT			O L		(%)	(70)	LL	PI	ĎAY)	(%)
0-				ree.	Brown silty SAND [SM]						
2-X	WOH	woh			Very loose						
3-	1-1-0	1		1 1 1							
5 — X	1-2-3	5	-		Loose brown clayey SAND [SC]						
6 — X	4-4-5	9		///							
8 — X	6-5-4	9		///							
9 — 10 —	4-5-6	11	-	///	Medium dense						
11 — 12 —	= 4										
13 —		0.1									
14 — X	2-3-4	7		111	Loose						
15					Boring Terminated at 15'						
- 11											
	5					1 3					
1.1											
- 11								1	1		
11.7											
								1			
1/1											
111				. 1							
111											
								1			
- 11											
- 11								1			
		1 4									



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-62

SHEET:

ет: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 138.89

DATE STARTED: 2/5/05

WATER TABLE (ft): 18

DATE FINISHED: 2/5/05

DATE OF READING: 2/6/05

NA

DRILLED BY: D.M./J.C.

EST. WSWT (ft):

PTH M	BLOWS PER 6"	N VALUE	w.T.	S Y M B	DESCRIPTION	-200	МС	ATTER LIM	RBERG	K (FT/	ORG CONT
PTH MPL	INCREMENT	VALUE	VV_I	B O L	DESCRIPTION	(%)	(%)	LL	PI	DAY)	(%)
0				1: 6:1:1	Brown and tan silty SAND [SM]					=	
1 2—X	3-3-4	7		1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Loose						
3-X	2-2-2	4		///	Loose brown and tan clayey SAND [SC]						
5-X	3-3-4	7		111	Loose		4				
6-8	4-4-9	13		111	Medium dense						
8 – X	7-10-18	28		111					1		
9 — X	16-16-11	27		111	Medium dense gray						
1-				111							
12 — 13 —				111							
14 — X	3-5-6	11		111	Medium dense						
15 ——— 16 ———	000	11114601		111	Wedulii delise						
17 —			_	111							
18 — 19 — 🔀	5 45 40			111							
20 —	5-15-12	27		111	Medium dense						(r = 0
21 —			1	111							
23 —				111							
24 X	4-10-15	25		111	Medium dense			- I	100		
					Boring Terminated at 25'						
- 11											
- 44											
- 14											
- 1/1											
1.1											
								The state of			



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

23 -24 -

5-7-9

BORING NO: A-63

SHEET:

ет: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 133.82

DATE STARTED: 2/7/05 DATE FINISHED: 2/7/05

WATER TABLE (ft): NE
DATE OF READING: NA

DRILLED BY: J. STILLSON

						EST. WSWT		TYPE OF SAMPLING: ASTM D-1586						
DEPTH M P	A	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT./	ORG.		
(1 1.)	E IN	INCREMENT			O L				LL	PI	DAY)	(%)		
0					P 6.1.1 11.1.1 17.1.1	Brown silty SAND [SM]								
2-	X	2-2-3	5		111	Loose orange and gray clayey SAND [SC]	-							
4-	\forall	2-3-4	7		111				ļ.,					
5 — 6 —		2-3-6 2-6-8	9			Gray and orange sandy fat CLAY [CH] Stiff								
7 — 8 —	X	3-6-9	15			Stiff green and orange								
9 — 10 —	X	5-6-8	14			Stiff								
11 — 12 —														
13 — 14 —			h. I											
15 —	A	4-5-6	11			Stiff	100							
16 — 17 —														
18 — 19 —		4-5-6	11			Over								
20 — 21 —		4-3-0	- 11			Stiff								

Very stiff...

Boring Terminated at 25'



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-64

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 127,48

DATE STARTED: 2/5/05

WATER TABLE (ff): NE

DATE FINISHED: 2/5/05

DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST. WSWT (ft):

EPTH M	BLOWS PER 6" INCREMENT	N VALUE	W.T	S Y M B O L	DESCRIPTION	-200 (%)	MC	ATTERBERG LIMITS		K (FT./	ORG CON
DEPTH M P L E			VVI		DESCRIPTION		(%)	LL	PI	DAY)	(%)
0-				P. 6.4.74	Brown silty SAND [SM]						
1 - X	1-1-2	3		1111 1111 1111		/					
3-	2-2-4	6		111	Very loose brown, gray and orange clayey SAND [SC]						
5 —	5-6-6	12	00003	111							
6-7	5-7-9	16									
8 — X	6-8-9	17		111							
9-10-	6-7-7	14		1111	Green and orange fat CLAY [CH]				V.C		
11 —					Green and drange lat OBA [OII]						
12 —											
14 - 🛛	2-2-4	6			Firm						
15 —		X									
17	to Y				0.1 ND (0.0)						
18 — 19 — X	2.5.0	40		///	Medium dense light gray clayey SAND [SC]						
20 —	3-5-8	13		22					N 13		
21 —				111							
23 — 24 — 7				///							
25 -	5-8-9	17		111	Medium dense	¢.		×(1
10					Boring Terminated at 25'						
- 11											
- 11											
11											
								1 0			
- 11											
- 11											
11											
- 11											
					1 — — — — i			1			



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-65

SHEET:

1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 121.44

DATE STARTED: 2/5/05 DATE FINISHED: 2/5/05

WATER TABLE (ft): NE DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST. WSWT (ft):

DEPTH M	BLOWS PER 6"	N VALUE	w T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTE	RBERG IITS	K (FT/	ORG CON1
(FT.) P	INCREMENT			O L		(70)	(70)	LL	PI	ĎAÝ)	(%)
0-				1443	Brown silty SAND [SM]						
2 - X	1-1-2	3		111	Very loose to medium dense gray, brown and orange clayey SAND [SC]						
3 - \	3-4-5	9		12							
5 — X	5-7-5	12	(C) (C)	111	Medium dense						
7-()	5-5-6	11	- 3	111							
8 — X 9 — X	6-7-9	16		111	Very stiff green and orange sandy fat CLAY [CH]						
10 -	6-8-10	18	3		, , , , , , , , , , , , , , , , , , , ,			1	Kompre		
11 — 12 —			- 5								
13 — 14 — X		120									
15	2-4-4	8			Stiff						
16 — 17 —		1	1		Construction of the constr						
18 — 19 — X				12	Green and orange clayey SAND [SC]						
20 —	4-4-5	9		111	Loose			1			1
21 —			1 9	///							
23 —				///	Light gray	1					
24 — X 25 — X	4-7-7	14	0 - 4	111	Paring Torreingted at 25'						0
					Boring Terminated at 25'						
- 11											
						1 1					
						1					
- 11	J										
1.0											
							X				



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

PAGE: B-67

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-66

TOWNSHIP: 8S

SHEET:

RANGE: 18E

1 of 1

GS ELEVATION(ft): 120.27

SECTION: 15/16

DATE STARTED: 2/5/05

WATER TABLE (ft): 8

DATE FINISHED: 2/5/05

DATE OF READING: 2/6/05

DRILLED BY: G. WHITAKER

EST_WSWT (ft):

NA

EPTH M FT.)	BLOWS PER 6"	N VALUE	W,T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTEI	RBERG IITS	K (FT./	ORG CONT
-1.) [E	INCREMENT			O F		(70)	(70)	LL	PI	ĎAY)	(%)
0 -				(* 6.1.3 (* 1.1.4.3 1.7.4.3	Brown silty SAND [SM]			-	1		
2 — X	1-1-1	2			Very loose brown clayey SAND [SC]						
4 5 - 2	1-2-4 4-5-6	6									
6-7	4-5-5	10		111	Medium dense orange & gray						
7-8-	5-7-8	15		111							
9-8	5-7-9	16									
11 —				111							
12 —					Green and orange fat CLAY [CH]						
14	2-3-5	8			Stiff						
6 7											
8											
9 — 🛛	2-2-4	6			Firm						,
1 2											
3											
4 🔻	3-3-5	8	800		Stiff light gray		10				
					Boring Terminated at 25'						
	1										
- 14											
	1										



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-67

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 113.86

6

DATE STARTED: 2/4/05

WATER TABLE (ft): NE

DATE FINISHED: 2/4/05

DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST. WSWT (ft):

DEPTH M	BLOWS PER 6"	N VALUE	w _T	S Y M B	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT./ DAY)	ORG
EPTH MPLLE	NCREMENT			O L		(%)	(%)	LL	PI	DAY)	CON7 (%)
0 — 1 — 2 — X	1-1-2	3			Very loose to loose brown clayey SAND [SC]						
3-	2-4-5	9									
5 — X	5-6-5 3-5-7	11 12		111	Medium dense gray and orange						
7 8	5-5-7 6-6-7	13									
9 — X 10 — X 11 —	3-5-6	11				-					
12 — 13 — 14 — 15 — 16 —	3-4-5	9			Loose						
17 — 18 — 19 — 20 —	2-2-4	6			Green and orange fat CLAY [CH] Stiff						
21 — 22 — 23 —											
24 — 🗙	2-4-5	9			Stiff Boring Terminated at 25'				10.10		
М											
14											



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-68

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 108.33

DATE STARTED: 1/27/05

WATER TABLE (ft): NE

DATE FINISHED: 1/27/05

DRILLED BY: M. BOATRIGHT

DATE OF READING: NA

BINICEED BY: MI. BOX TITLION

EST. WSWT (ft): NA TYPE OF SAMPLING: ASTM D-1586

EPTH M (FT.) P L E	BLOWS PER 6"	N VALUE	W.T.	S Y M B O	DESCRIPTION	-200	MC (%)	ATTE	RBERG IITS	K (FT./	ORG CON
(F1,) L	INCREMENT			Ö		(%)	(%)	LL	PI	ĎAY)	(%)
0 —				9 3 9 3	Pressure poorthy product CANID FORT						
1	124	_		7 7 7	Brown poorly graded SAND [SP]						
3 —	1-3-4	7		222	Loose brown clayey SAND [SC]						
4 —	4-4-7	11		44	Medium dense brown and orange						
5 — X	4-5-7	12			Stiff green and orange sandy fat CLAY; with trace of limestone [CH] Very stiff						
7-	4-7-10	17			Very stiff						
8 — X 9 — X	4-5-6	11			Light gray						
10	4-6-8	14			Stiff			40-			
11 — 12 —											
13 —	,										
14 — 15 —	2-3-3	6		11/1	Firm			0 1			
					Boring Terminated at 15'						
				1 1							
			1	1 1							
		M						Mi I			
111			1	1 1					1 1		
			1	1 1				1	1 1		
									1 1		
				1 1					1 1		
				1 1							
				1 1					1 1		
				1 8							
110											
									1 1		
			1								



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-69

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 102.23

DATE STARTED: 1/27/05

WATER TABLE (ft): NE

DATE FINISHED: 1/27/05

DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EST. WSWT (ft):

EPTH M (FT.) P	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	MC	LIN	RBERG	K (FT./	ORC
(FT.)	INCREMENT	VALUE		B O L	BESSIAI TION	(%)	(%)	ш	PI	DAY)	(%)
0 -				2.00	Brown poorly graded SAND [SP]						
2 – X	1-1-2	3									
3-	3-3-5	8			Loose dark brown clayey SAND [SC]						
5 - X	7-8-9	17			Medium dense						1
6 — X	6-6-8	14		///							
8 — X 9 — X	5-7-9	16		111	Medium dense light gray and brown						
10	5-6-6	12		111							
11 — 12 —											
13 —		1.5			Stiff green and orange sandy fat CLAY [CH]						
14 — X 15 — X	3-5-8	13		1111	Boring Terminated at 15'			1			h
- 11	i Vi										
				1							
	1										
				- 1							
- 11											
- 41		/									
- 11											
		١.									
- 11											
- 11											
			N II								
	- 11		I 1			1					



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION; SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-70

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 97_76

DATE STARTED: 2/2/05

WATER TABLE (ft): 12

DATE FINISHED: 2/2/05

DATE OF READING: 2/3/05 EST. WSWT (ft): NA DRILLED BY: J. STILLSON

EPTH M (FT.)	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	МС	ATTER	RBERG	K (FT_/	ORG
(FT.) PLE	INCREMENT	VALUE	VV, I.	B O L	BESCRIPTION	(%)	(%)	LL	PI	DAY)	CON ¹ (%)
0-				V. N.O.	Brown poorly graded SAND [SP]				3 - 4		
1 - X	2-3-3	6		///	Brown clayey SAND [SC]						
3-X	2-3-3	6		111	Loose						
5 — X 6 — X	2-3-3	6		12	Loose			-			-
7-(3-2-2	4		1//							
8 — X 9 — X	3-2-3 2-4-4	5 8		111	Loose						
10 —	277				Loose			100			
12 — 13 —			_	12	Gray						
14 — X	1-2-2	4		111							
15					Boring Terminated at 15'						
									1		
	1										



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-71

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 93.24

DATE STARTED: 2/4/05

WATER TABLE (ft): NE

DATE FINISHED: 2/4/05

DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST, WSWT (ft): NA

EPTH M (FT.) P	BLOWS PER 6"	N VALUE	w.t.	S Y M B	DESCRIPTION	-200	MC (%)		RBERG	K (FT./	ORG CON1
(FT.) P	INCREMENT			Ö		(%)	(%)	LL	PI	DAY)	(%)
0 1 2 3 4 5	1-1-2 2-2-2 2-2-3	3 4 5			Very loose brown silty SAND [SM] Loose	30					
6 7 8 8 9	2-3-3 2-2-3 2-3-4	6 5 7			Loose brown clayey SAND [SC]						
11 — 12 — 13 — 14 — 15	4-7-9	16			Gray and orange Medium dense Boring Terminated at 15'	_			v == s		



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

CPH ENGINEERS, INC.

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

CLIENT:

BORING NO: **A-72**

1 of 1 SHEET:

SECTION: 15/16

TOWNSHIP: 8\$

RANGE: 18E

GS ELEVATION(ft): 90.43

DATE STARTED: 2/4/05

WATER TABLE (ft): NE

DATE FINISHED: 2/4/05

DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST. WSWT (ft): NA

EPTH M (FT.) P L	BLOWS PER 6"	N VALUE	≣ W,T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTER	RBERG	K (FT_/	ORG CON1 (%)
(1 1.) E	INCREMENT			B O L		(70)	(70)	LL	PI	DAY)	(%)
0 —			7 - 1	111	Very loose brown clayey SAND [SC]						7
1-X	1-1-1	2			very loose brown clayey SAND [SC]						
3 - 🗙	1-1-1	2		///							
4 — 5 — X	1-1-1	2		111							
6-1	1-1-2	3		///							
7 — X	2-4-6	10			Loose brown						
9 — X	5-6-7	13		111	Medium dense						
10	3-0-7	13		122	wediam dense						
12 —				111	Brown and gray						
13				111	Brown and gray						
14 — X 15 —	4-8-10	18	-	111	Davis Taminated at 451			0.0			
					Boring Terminated at 15'						
						1 1					
- 12											
- 1											
1											
- 14											
										1 ()	
						11111111111					
- 10		/								1	
- 1						11 1					
	/										
			1								
								1	1 1		



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-73

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 136.00

DATE STARTED: 2/5/05

WATER TABLE (ft): NE

DATE FINISHED: 2/5/05

DATE OF READING: NA

DRILLED BY: D.M./J.C.

EST. WSWT (ft):

NA

EPTH M P L	BLOWS PER 6"	N VALUE	W,T	S Y M B	DESCRIPTION	-200	MC	ATTEI	RBERG IITS	K (FT./ DAY)	ORG CONT
(FT.)	INCREMENT	17.202		OF		(%)	(%)	LL	PI	DAY)	(%)
0-				1.1.1.1	Brown silty SAND [SM]						
1 — 2 — X	3-3-2	5		T 1 T 1 1 1 1 1	Loose						
3-	4-5-10	15		-							
5 — X	6-6-11	17	1		Medium dense gray and brown clayey SAND [SC]				(
6 — X	7-5-12	17									
8 — X 9 — X	10-11-8	19		111	No. divers days						
10 —	11-9-9	18	(con.		Medium dense			1	KI marini		
12 —											
13 — 14 — 15 —	4-4-6	10			Loose gray						
15 16	440	10		111	Loose gray	1					
17 — 18 —				111							
19 —	5-6-9	15			Medium dense						
20 —	2.0.2	1000									
22 —				111							
24 — X 25 — X	7-12-16	28		111	Medium dense						
25					Boring Terminated at 25'						
- 11											
11											
1.1											
			1	D			1		1.0		II.



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-74

TOWNSHIP: 8S

SHEET:

RANGE: 18E

1 of 1

DATE STARTED: 2/5/05

GS ELEVATION(ft): 128.26

WATER TABLE (ft): NE

SECTION: 15/16

DATE FINISHED: 2/5/05

DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST. WSWT (ft): NA

EPTH M	BLOWS	N	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	S Y M	DESCRIPTION	-200	мс		RBERG ITS	K	ORG
FT.) P	PER 6" INCREMENT	VALUE	W.T.	B O L	DESCRIPTION	(%)	(%)	LL	PI	(FT./ DAY)	(%)
0				1 64.3	Brown silty SAND [SM]						
2-X	1-1-2	3		///	Brown and orange clayey SAND [SC]						
3	2-3-5	8		111	Loose						
5 – X	4-5-5	10	-	111	Medium dense :.	+		1			
6 – X	4-5-7	12									
8 – X	7-8-10	18		22							
10	7-9-8	17						1	-		
11 —					Green sandy fat CLAY [CH]	-					
13 — 14 — X	2-3-5	8			Stiff						
15 16	2-3-0	8			J						
17 — 18 —									1		
19 — 🛛	3-4-5	9			Stiff	4					
21											
22 —			á		Medium light gray to tan clayey SAND [SC]						
24 — X 25 — X	4-6-9	15		111	Boring Terminated at 25'	200		ok = 1			1
					Boring Terminated at 25						
- 11											
- 1.1											
- 11			1 9								
	v.								1		1



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **A-75**

SHEET:

1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 124.48

DATE STARTED: 2/4/05

WATER TABLE (ft): NE

DATE FINISHED: 2/4/05

DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST. WSWT (ft):

EPTH M (FT.)	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	МС	ATTER	RBERG	K (FT/	ORG CON1
(FT.) PLE	INCREMENT	VALUE	1007	B O L	DESCRIPTION	(%)	(%)	LL	PI	DAY)	(%)
0-				7.50	Brown poorly graded SAND [SP]						
2 - X	2-2-2	4		111	Loose brown clayey SAND [SC]	-					
3-	4-5-7	12									
5 — X	6-7-5 3-4-5	12 9		111	Medium dense gray, orange and tan:						
8	3-4-7	11			Medium dense						
9	4-7-7	14				00 00000000					
11 — 12 —					Green fat CLAY [CH]						
13 —	2-2-4	6			Fire						
15 — 16 —	2-2-4	6			Firm						
17 —											
19 20	3-4-6	10			Stiff						
21 — 22 —											
23 — 24 — X					Medium light green to tan clayey SAND [SC]	-					
25 —	4-5-7	12		///	Boring Terminated at 25'	-			100		
				. 1							



PROJECT NO.: 0795.1400110.0000

REPORT NO .: 1211903 PAGE: B-77

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-76

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 121.77

DATE STARTED: 2/4/05

WATER TABLE (ft): NE

DATE FINISHED: 2/4/05

DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST. WSWT (ft):

PTH A BLOWS PER 6" L INCREMENT	N VALUE	W-T-	S Y M B O	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT,/	ORG CONT	
T.)	INCREMENT	***************************************		OF	5255 1,6.1	(%)	(%)	LL	PI	DAY)	(%)
0-				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Brown silty SAND [SM]						
1-X	1-1-1	2		127	Very loose	,					
3-X	1-2-4	6	1	111	Brown clayey SAND [SC] Loose						
5	5-5-5	10		111	Medium dense gray and orange			1			Ci.
6	3-3-4	7	1	111	and the state of t						
7-8	3-4-6	10		111							
9 - 🛛	4-4-5	9		111							
0 - 1					Green and orange fat CLAY [CH]						
2-											
13—	3-4-6	10			Chitt						
15 —	3-4-0	10			Stiff	1					1
16 — 17 —											
18											
19 — X	3-4-4	8			Stiff				0.00		N
21 —											
23 —				111	Light green to gray clayey SAND [SC]						
24 — 🗙	8-9-9	18		111	Medium dense						
15 —		-			Boring Terminated at 25'						
1.1											
- 11.11											
		1									
- 1/4											
- 14											
									h 1		



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

CLIENT:

BORING NO: A-77

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 117.83

DATE STARTED: 2/4/05

WATER TABLE (ft): NE

DATE FINISHED: 2/4/05

DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST. WSWT (ft): NA

EPTH M FT.) P L E	BLOWS PER 6"	N VALUE	WT	S Y M	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT/	ORG CON
FT.) [[INCREMENT			B O L	333	(%)	(%)	LL	PI	DAY)	(%)
0-			-	111	Description CAND ICCI				-		
1 - X	1-1-1	2			Brown clayey SAND [SC] Very loose						
3	2-5-7	12		111	Medium dense						
5-8	5-7-7	14		122	Gray to light brown & orange				. I		
6-X	4-5-8	13		122	Gray to light brown a Grange						
7 8 8	4-5-6	11		111							
9-1	3-4-5	9		111	Medium dense	41					
10 											
12 — 13 —					Green and orange sandy fat CLAY [CH]						
14 — 🔽	3-3-5				Stiff						
15 — 16 —	3-3-3	8			Still						
17			3								
18 — 19 — X		_									
20	3-4-5	9			Stiff				000		
21 —											
23 — 24 — 2					Tan silty SAND [SM]	-					
25	2-3-3	6	0	1333	Loose	_					
					Boring Terminated at 25'						
- 411											
- 11											
- 11											
- 4.1											
- 11											
- 11											
41				1							
1 1			1 1			4		1			
			8								



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-78

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 114.58

DATE STARTED: 2/4/05

WATER TABLE (ft): 12

DATE FINISHED: 2/4/05

DATE OF READING: 2/5/05

DRILLED BY: G. WHITAKER

EST. WSWT (ft): NA TYPE OF SAMPLING: ASTM D-1586

DEPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	MC	ATTER	RBERG	K (FT/	ORG.
(FT.) P L E	INCREMENT	VALUE		B O L	22007 11011	(%)	(%)	LL	PI	DAY)	(%)
0 — 1 — 2 — 3 — 4 — 5 — 6 — 7 — 8 — X	1-1-1 1-4-5 3-5-5 5-6-8 6-8-10	2 9 10 14 18			Very loose brown clayey SAND [SC] Loose Medium dense Medium dense light gray						
9 — X 10 — X 11 — 12 — 13 — 14 — X 15 — X	5-9-11 4-6-7	20	•		Stiff light green, tan and orange fat CLAY [CH]						9 · · · · ·
16 — 17 — 18 — 19 — 20 — 21 — 22 —	3-4-5	9			Stiff green and orange						
23 — 24 — 25 —	4-5-6	11			Boring Terminated at 25'						
							1 =				



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS:

SECTION: 15/16

BORING NO: A-79

1 of 1 SHEET:

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 108.06 WATER TABLE (ft): NE

DATE STARTED: 1/27/05 DATE FINISHED: 1/27/05

DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EPTH M	BLOWS PER 6"	N VALUE	wT	S Y M	DESCRIPTION	-200	мс		RBERG NTS	K (FT./	ORG.
(FT.) P	INCREMENT	VALUE	001	B O L	DESCRIPTION	(%)	(%)	LL	PI	DAY)	(%)
0 — 1 — 2 — 3 — 4 — 5 — 6 — 7 — 7 — 7 — 7 — 7 — 7 — 7 — 7 — 7	1-1-1 3-2-3 2-2-2 2-2-1	2 5 4 3			Brown poorly graded SAND [SP] Very loose Loose brown and orange silty SAND [SM] Loose						
8 — X 9 — X 10 — 11 — 12 — 13 — 14 — X 15 — X	2-2-3 2-3-4 4-5-6	5 7 11			Medium dense brown, orange and gray clayey SAND [SC]			ò			
					Boring Terminated at 15'						



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-80

SHEET:

1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 103.20

DATE STARTED: 1/27/05 DATE FINISHED: 1/27/05

WATER TABLE (ft): NE DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EST, WSWT (ft): NA

EPTH M (FT.) P	BLOWS PER 6"	N VALUE	w.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)		RBERG	K (FT./	ORG
L E	INCREMENT			O L		(44)	(***)	LL	PI	DAY)	(%)
0				2,700	Brown poorly graded SAND [SP]					7	
$\frac{1}{2}$	1-2-3	5		111	Loose brown clayey SAND [SC]						
3-	3-4-7	11	1	111	n						
5 - 🔀	4-3-3	6		111	Loose tan and orange:			-			
6 — X	3-4-4	8	113	112							
8 — X 9 — X	4-5-5	10		111							
10	6-7-7	14	1	///	Medium dense light gray and orange	-					
11 —				111	(1014) (017)						
13					Green and orange fat CLAY [CH]						
14 — X 15 — X	2-3-4	7	-	///4	Firm	_					
11					Boring Terminated at 15'						
								b 1			
						1		1			
								1			V.
											ľ
- 11											
- 11								1			
							ľ.				
							ľ				
1.4											
1.1											
- 11											
- 1/1											
1.10											
111				- 1					1		
	- 1										
- 11											
				- 4							
11											



PROJECT NO.: 0795.1400110.0000

SHEET:

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC. CLIENT: LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-81 TOWNSHIP: 8S **SECTION: 15/16**

RANGE: 18E

1 of 1

GS ELEVATION(ft): 98.04

DATE STARTED: 2/1/05

WATER TABLE (ft): 12

DATE FINISHED: 2/1/05

DATE OF READING: 2/2/05

DRILLED BY: J. STILLSON

EST. WSWT (ft):

NA

EPTH (FT.)	A M P	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTER	RBERG	K (FT/	ORG
(ГТ.)	L I	NCREMENT			O L		(70)	(70)	LL	PI	DAY)	(%)
0 —						D. J.						
1	∇	4.4.4			111	Brown poorly graded SAND Very loose brown clayey SAND [SC]	-					
2 — 3 —	\Diamond	1-1-1 1-1-2	2		111	tory record stems stayoy or man (e-c)						
4 — 5 —	\forall	2-1-2	3 3		1//							
6	\forall	2-3-4	7		11/	Loose						
7 — 8 —	\forall	3-4-5	9		1//	Loose gray and orange						
9 —	X	3-4-5	9		111	Loose						
10 — 11 —		0 4 0	3	-	111	L0036	1		1			
12 —	1			_	111							
13 — 14 —	\forall		_		111	Firm gray and orange very sandy CLAY [CH]	-					
15 —	4	2-3-4	7	1 6	1111	Boring Terminated at 15'	-					
- 1												
										1		
	П	The state of the s										
			1 4									
- 4												
- 0												
- 4												
- 1												
		(II .			
1										1		
	T											
- 1	4											
1				1								
- 1		1					1 1		1			



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-82

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 94.30

DATE STARTED: 2/4/05

WATER TABLE (ft): NE

DATE FINISHED: 2/4/05

DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST. WSWT (ft): NA TYPE OF SAMPLING: ASTM D-1586

DEPTH M (FT.) P	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	MC	ATTE	RBERG IITS	K (FT./	ORG.
(FI.) [INCREMENT			O P		(%)	(%)	LL	PI	DAY)	CONT (%)
0 — 1 — 2 — 3 — 4 —	1-1-1 1-1-1	2 2			Brown silty SAND [SM] Very loose						
5 — X 6 — X 7 — 8 — X 9 — X	1-1-1 1-1-2 2-4-6 6-7-7	2 3 10 14			Very loose light gray, brown and orange clayey SAND [SC] Stiff light gray and orange sandy fat CLAY [CH]						1)-0-3 11
10 — 11 — 12 — 13 — 14 — 15	2-3-6	9			Green & orange Stiff						
					Boring Terminated at 15'						



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT:

CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: A-83

SHEET:

1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 91.14

DATE STARTED: 2/4/05

WATER TABLE (ft): NE

DATE FINISHED: 2/4/05

DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST. WSWT (ft): NA

DEPTH M (FT.)	BLOWS PER 6"	N VALUE	w.t.	S Y M B	DESCRIPTION	-200	MC	ATTE	RBERG IITS	K (FT./	ORG CONT
(FT.)	INCREMENT			O L		(%)	(%)	LL	PI	DAY)	(%)
0 — 1 — 2 — X 3 — X 4 — X 5 — X	1-1-1 1-1-1 1-1-1	2 2 2			Brown silty SAND [SM] Very loose						
6 — 7 — 8 — 9 — 10 — 11 — 12 —	1-1-1 1-2-2 2-4-6	2 4 10			Very loose brown, gray and orange clayey SAND [SC]				0.		
13 — 14 — 15 —	2-3-5	8			Green and orange sandy fat CLAY [CH] Stiff . Boring Terminated at 15'						



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN REMARKS: Air blowing out of borehole at depth of

AF foot

BORING NO: **B-1**

TOWNSHIP: 8S

SHEET:

RANGE: 18E

1 of 1

GS ELEVATION(ft): +132 (MSL) DATE STARTED: 10/12/04

WATER TABLE (ft): NE

DATE FINISHED: 10/12/04

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): NA

SECTION: 15,16

40 to

EPTH M FT.)	BLOWS PER 6"	N VALUE	W ₁ T ₋	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTE	RBERG IITS	K (FT./	ORG CONT
1.) E	INCREMENT			Ŏ		(70)	(70)	LL	PI	ĎAY)	(%)
0 1					Firm brown SANDY CLAY [CH]						
2 — X 3 — X 4 — X	1-4-5 3-4-4	9			Loose light brown, orange & tan CLAYEY to very CLAYEY SAND [SC]	4					
5-X	4-3-4	7			::loose			(
6 X	4-3-3	6			loose		100				
8X	4-5-4	9			loose						
9 X	5-7-8	15			firm						
11 — 12 — 13 — 14 —	122										
15	1-2-2	4	· j	111	soft clay lense			1			1
16 — 17 —			1	111							
18 —				///	loose tan & brown						
19 X	1-2-3	5		111							
21				111							
22 —					Light tan to white SAND [SP]						
24 - 🗸	3-4-5	9			loose						
25 — — 26 —	70 1 12					0 = 11		1			1
27											
28 — 29 — 2	0.4.0	40									
30 —	3-4-6	10	1		loose			of of more			-
31 — 32 —											
33 —											
34 — 35	2-2-2	4			very loose						
36											
37 — 38 —				99	Very loose light green to light tan CLAYEY SAND						
39 —	1-0-1	1		122	[SC]						
40 —				111							100
42					Very soft green CLAY, trace of limestone fragments [CH]						
43 —											
45	WOH-1-1	2		44	Tan LIMESTONE	-		.	x0 0= 4		ý nam
46 — 47 —				\perp	Tan Elimes 1 one						
48											
49 —	7-7-11	18		T	2						
					Boring terminated at 50'						



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS: Air blowing out of borehole at depth of 34 feet

BORING NO: **B-2**

1 of 1 SHEET:

SECTION: 15,16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): +125 (MSL) DATE STARTED: 10/12/04

WATER TABLE (ft): NE

DATE FINISHED: 10/12/04

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft):

PTH M	BLOWS PER 6"	N VALUE	w.T.	S Y M	DESCRIPTION	-200	МС		RBERG	К	ORG
T.) P	INCREMENT	VALUE	VV.1	B O L	DESCRIPTION	(%)	(%)	LL	PI	(FT ₋ / DAY)	(%)
0				11:7	Brown & gray CLAYEY SAND [SC]						
1-X	1-1-2	3	1		very loose						
3-	3-4-5	9	F	11/	loose						
5 X	3-4-5	9		111	Loose green & orange very CLAYEY SAND						
6-X	6-4-5	9		122	[SC/CL] loose						
7 — X	5-7-5	12		111	firm						
9 - 🗸	6-6-7	13		222	firm						
10 — 11 —	001	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		111							
12 —				1111	Stiff green slightly SANDY CLAY [CH]						
13 — 14 — X					Can green sagnay CAND 1 CEAT [OIT]						
15	2-3-5	8						100			
16 17											
18 —					Light tan to white SAND [SP]						
19 — X	2-3-4	7			loose						
21 —											
22 — 23 —											
24 — 🔽	2-3-4	7			loose						
25 26	2-0-4	24							0001		0
27 —					Tan LIMESTONE						
28 — 29 — 🗸				Ŧ	Tan LIMES TOINE		-				
30	10-50/4"	50/4"	0.00			1000					ķ
31 — 32 —			F				0.				
33											
34 — X	13-50/3"	50/3"			Extremely hard	-					
					Boring terminated at 34.5'						
	1										
- 4.1											
- 41											
- 11											
- 111											



35 to

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN REMARKS: Air blowing out of borehole at depth of

38 feet

BORING NO: **B-3**

SHEET:

1 of 1

SECTION: 15,16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): +116 (MSL) DATE STARTED: 10/12/04

WATER TABLE (ft): NE

DATE FINISHED: 10/13/04

DATE OF READING: NA EST. WSWT (ft):

DRILLED BY: R. WOODARD

	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	МС	ATTER	RBERG IITS	K (FT,/	ORG
	REMENT			O L		(%)	(%)	LL	PI	DAY)	(%)
					Brown SAND [SP]						
	VOH-1	1		111	Brown & gray CLAYEY SAND [SC]						
	1-1-1	2		111	very loose						
	1-1-1	2		111	very loose	100000			10-00		0
	2-3-4	7		122	loose tan, gray & orange				, (1
	5-5-4	9		111	loose						
1	5-6-6	12		111	firm	0000000000					
					Stiff green & orange SANDY CLAY [CH]						
X .	2-4-6	10									
					Logge ton CLAVEY CAND ICCI						
X :	3-4-5	9		111	Loose tan CLAYEY SAND [SC]						
				11/							
					Light tan to white SAND [SP]						
4	4-4-5	9			loose						L.
1/											
1	3-4-4	8			loose						
-			3	T	Tan LIMESTONE	_					
24	-21-14	35		H					5		
4			E	T							
-			E								
35	-50/4"	50/4"	-					0000			
			1	坩							
			1	口							
X 5	50/5"	50/5"		H							
1			F	H							
_			E								
52	-27-60	87		,_							
					Boring terminated at 50'						



100%

PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN REMARKS: 30% Loss of circulation at 33'

Loss of circulation at 38' and 42'

BORING NO: **B-4**

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 137.04

04

NA

DATE STARTED: 1/25/05

WATER TABLE (ft): NE

DATE FINISHED: 1/25/05

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft):

M	DWS R 6"	N VALUE	1107 - 1	S Y M	DESCRIPTION	-200	МС	ATTER	RBERG	K (FT./	ORG
IP PE	EMENT	VALUE	AA. 1	5	DESCRIPTION	(%)	(%)	LL	PI	(FT./ DAY)	(%)
			(1)	i. Brown p	poorly graded SAND, with silt [SP-	SM]					
	1-1	2		Very loc	ose brown clayey SAND [SC]						
	2-2 5-6	4 11		Medium	n dense orange and tan			de-			
	5-8	13		2							
	8-8	16		Very sti	iff green and orange fat sandy CLA	Y [CH]					
5-8	8-9	17		Very sti	iff				(1)		
4-5	5-6	11		Stiff		76		88	54		
3-4	4-7	11		Light gra	ray to tan clayey SAND [SC]						
						29					
	, ,	40	12	3			 				
3-6	5-7_	13		/ Medium	n dense						
3-5	5-6	11		Medium	n dense	-					01
3-6	-14	20		Medium	n dense						
45.4		24									
15-1	3-11	24	11	1	dense						
			4.2	LIMEST	TONE						
50/	/5"	50/5"									
			I	7							
50/	/5"	50/5"		E							
				Boring T	Terminated at 50'						



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.
LOCATION: SEE BORING LOCATION PLAN
REMARKS: 100% Loss of circulation at 36'

BORING NO: **B-5**

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 128.05

DATE STARTED: 1/26/05 DATE FINISHED: 1/26/05

WATER TABLE (ft): NE

DRILLED BY: J. STILLSON

DATE OF READING: NA EST. WSWT (ft): NA

M I	LOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	мс		RBERG IITS	K (FT./	ORG CON
PI '	REMENT	VALUE	*****	B O L	BEGGINI HON	(%)	(%)	LL	PI	DAY)	(%)
				2,320	Brown poorly graded SAND [SP]						
X:	2-2-2	4		///	Very loose brown clayey SAND [SC]						
X :	2-3-3	6		11/	Loose orange and gray						
X =	2-4-6	10	-	111							-
\boxtimes :	3-4-6	10		111							
X :	3-4-6	10		Ш	Medium dense orange and gray sandy SILT to SILT, with sand [MH]						
\boxtimes :	2-5-8	13			OILT, WILL SAILS [WIT]	89		102	57		
1				Ш							
				Ш	Green and orange						
$\langle \rangle$:	2-4-5	9		Ш	Stiff	83		85	46		
				Ш				100000000000000000000000000000000000000			
				Щ							
$\overline{\lambda}$	1-2-3	5		111	Loose light gray to tan clayey SAND [SC]						
				111							
7	-7-10	17		122	Madium danga						
4	-7-10	17	1	22	Medium dense			1			
1				122							
				22							
4	-5-9	14		111	Medium dense tan to white	-		-	(n 11)		
					Medium dense light gray to tan silty SAND [SM]						
6-	10-12	22	1 4		Medium dense		V 1		M 11		
			, v		LIMESTONE						
				二							
X 5	50/2"	50/2"		1							
			1	1							
				中							
₹ 5	60/4"	50/4"	1	苗							
				丁							
				干							
Z .		50/011									
5	0/3"	50/3"	-		Boring Terminated at 50'		0				
	- 17				~			I			



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.
LOCATION: SEE BORING LOCATION PLAN
REMARKS: 100% Loss of circulation at 27'

BORING NO: **B-6**

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 188

GS ELEVATION(ft): 131.09

DATE STARTED: 1/25/05 DATE FINISHED: 1/25/05

WATER TABLE (ft): NE

DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EST. WSWT (ft): NA TYPE OF S

TYPF O	SAMPLING:	ASTM D-1586

EPTH M (FT.)	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTER	RBERG IITS	K (FT./	ORG.
(FT.) P	INCREMENT			0		(70)	(70)	LL	PI	ĎAY)	(%)
0-											
1 - 1	440		7	//	Brown poorly graded SAND [SP] Very loose brown clayey SAND [SC]	-					
3	1-1-2	3		//							
4 5 — X	3-4-4 4-6-6	8 12	1	11	Loose brown, gray and orange						
6	3-6-7	13			Stiff green and orange sandy fat CLAY [CH]						
7 8	4-5-5	10									
9 - 🗸	3-4-5	9			Stiff						
10 —	3-4-0	9			Sulling			1			
12 —				//	Loose tan and light gray silty clayey SAND						
13 — 14 — X		- 3.1			[SC-SM]						
15 -	3-4-4	8									
16 — 17 —											
18 —											
19 — X	4-3-3	6			Loose tan						
21											
22 — 23 —											
24 - 🗙	4-5-5	10			Madium dana	16					
25 — 26 —	4-5-5	10			Medium dense	10					
27 —			4	1/4	LIMESTONE	4					
28 — 29 — X				T	LIMESTONE						
30 —	50/2"	50/2"	H	T				1	0		ķ.,
31 — 32 —			H	耳							
33 —				口							
34 — X	21-23-20	43		I							
36 —			H	I							
37 — 38 —				I							
39 —	21-22-22	44		I							
40	21-22-22	44	H	E							
42				L							
43				I							
44 — 🗙	19-14-25	39		I							
46				I							
47 — 48 —				I							
49 — 🗸	50/1"	50/1"		I							
50	1000017				Boring Terminated at 50'						



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

SHEET:

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.
LOCATION: SEE BORING LOCATION PLAN

REMARKS: 100% Loss of circulation at 37'

SECTION: 15/16

TOWNSHIP: 8S

BORING NO: **B-7**

RANGE: 18E

1 of 1

GS ELEVATION(ft): 128.67

DATE STARTED: 1/25/05

WATER TABLE (ft): NE

DATE FINISHED: 1/25/05

DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST. WSWT (ft): NA

PTH M	BLOWS PER 6"	N VALUE	W,T.	S Y M	DESCRIPTION	-200	MC	ATTER	RBERG 11TS	K (FT./	ORG CONT
T,) P L E	INCREMENT			B O L	2200	(%)	(%)	LL	PI	DAY)	(%)
0			1	111	Very loose silty SAND [SM]						
2 - X	1-1-2	3		//	Loose brown clayey SAND [SC]			1			
3 – X	3-3-3	6		11	Loose blown dayey OAND [GO]						
5 — X	4-3-3	6		///	Stiff green and orange sandy fat CLAY [CH]	1	_	Jo			
6-X	5-6-7	13									
8 – X	3-4-5	9									
9-X 10-X	4-5-6	11	E		Stiff				_		
11 —											
12 — 13 —											
14 - 🛛	3-4-6	10	E		Stiff						
15 ——— 16 ——			1								
17 —											
18 — 19 — 🗸	2-3-3	6		17	Loose light green silty clayey SAND [SC-SM]	31					
20 21 	2-3-3	6	1	VV		31		-			
22 -			1	38	MAUL Maria and District Annual						
23			1	11	White to light tan						
24 — X 25 — X	2-3-4	7	1	88	Loose						0
26 — 27 —			3	22							
28 —			1	8							
29	3-6-6	12	2	11	Medium dense white to light gray						
31 —	9 0.00100 0		1	8							
32 — 33 —			1	18							
34 —	3-4-5		1	10	Lagranutita						
35 — 36 —	3-4-5	9	4	10	Loose white						
37 —			E		LIMESTONE Paggible Cavity from 37' to 38'	1					
38 — 39 — X	()		E		Possible Cavity from 37' to 38'						
10 -	30-30-10	40	- La G	H				-			
11 — 12 —				H							
13 —											
14 — 🛛	27-36-30	66									
16 —											
17 —				H							
18 — X	GE ICII	GE (C!)									
50	65/6"	65/6"			Boring Terminated at 50'	0					
					-	1 1					



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN REMARKS: 100% Loss of circulation at 36'

BORING NO: **B-8**

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 124.85

DATE STARTED: 1/25/05

WATER TABLE (ft): NE

DATE FINISHED: 1/25/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): NA

DEPTH M (FT.)	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTER	RBERG IITS	K (FT/	ORG CONT
,F1.) [E	INCREMENT			0 7		(70)	(70)	LL	PI	DAY)	(%)
0 — 1 — 2 — 3 —	3-3-4	7			Brown and orange clayey SAND [SC] Loose						
4 5 6	4-4-5 3-4-5 6-5-5	9 9 10			Loose to medium dense green and orange elastic SILT, with sand [MH]	86		71	31		
7 8 9 10	5-5-5 6-7-7	10 14			Stiff sandy CLAY [CH]	83		62	34		
11 — 12 — 13 — 14 — 15 — 16 —	3-4-5	9	1		Loose light gray silty SAND [SM]						
17 — 18 — 19 — 20 — 21 —	3-4-5	9			Light tan to white clayey SAND [SC]						
22 — 23 — 24 — 25 — 26 —	2-3-4	7			Loose						
27 — 28 — 29 — 30 — 31 —	2-3-4	7			Loose						
32 — 33 — 34 — 35 — 36 — 37 —	50/2"	50/2"			LIMESTONE			, ,	00000		
37 — 38 — 39 — 40 — 41 — 42 —	50/4"	50/4"				0 = 0			6		
43 — 44 — 45 — 46 —	50/4"	50/4"		H							
47 — 48 — 49 — 50	10-8-16	24		I	Boring Terminated at 50'						



CLIENT:

UNIVERSAL ENGINEERING SCIENCES **BORING LOG**

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS: 100% Loss of circulation at 47,5'

BORING NO: **B-9**

NA

TOWNSHIP: 8S

SHEET:

1 of 1 RANGE: 18E

GS ELEVATION(ft): 128.35

DATE STARTED: 1/25/05

WATER TABLE (ft): NE

DATE FINISHED: 1/25/05

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft):

SECTION: 15/16

E	PER 6" INCREMENT		W.T.	S Y M	DESCRIPTION	-200	MC	LIM	ITS	K (FT./	ORG
	INCREWENT	VALUE		B O L	DESCRIPTION	(%)	(%)	LL	PI	DAY)	(%)
0 -				10	Brown poorly graded SAND, with silt [SP-SM]						
2 — X	1-1-1	2	2.0		Very loose						
4-(-)	1-2-1	3	2	//	Loose brown clayey SAND [SC]						
5 — 6 —	3-4-5 4-5-6	9		11	Medium dense gray and orange						
7 8	3-5-6	11	1	11	wedum dense gray and drange						
9-1	4-5-6	11			Stiff green and orange sandy fat CLAY [CH]						
11 —											
12 —											
14 —	3-4-4	8			Stiff				. 4		
16 — 17 —											
18 —											
19 —	2-3-6	9			Stiff			0.00			
21 — 22 —											
23 —											
25	5-9-10	19	1		Very stiff light gray to tan						
26 — 27 —											
28 — 29 —	5 44 40				-+1	70					
30 —	5-11-13	24	2		Very stiff	79			9 10		0
31 — 32 —				//	Gray and orange clayey SAND [SC]		h 0-4				
33 — 34 —	0.40.40	25					-				
35 — 36 —	8-16-19	35			Dense	0.00					01
37 —							0.00				
38 — 39 — X	7-12-16	28		//	Medium dense, with limestone fragments						
40 —	7-12-10	20									
42 — 43 —			8	//							
44 — 🔀	3-11-21	33	4	11	LIMESTONE	4	400				
45 — 46 —	01121			日	LIVILOTONE						
47 — 48 —				‡							
49 —	50/5"	50/5"		\exists			100				
50					Boring Terminated at 50'						



Soil

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS: 100% Loss of circulation at 48' filled cavity from 49' to 55' (Blowing air)

BORING NO: **B-10**

SHEET: 1 of 2

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 123.55

1

DATE STARTED: 2/1/05

WATER TABLE (ft): NE

DATE FINISHED: 2/1/05

DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST. WSWT (ft): NA T

PTH M	BLOWS PER 6"	N VALUE	wT	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTE	RBERG IITS	K (FT ₁ /	ORG.
L E	INCREMENT			B O L		(%)	(%)	LL	PI	DAY)	(%)
0-				13.6	Brown poorly graded SAND, with silt [SP-SM]						
1 - X	1-1-2	3	1 12	11	Very loose						
3-\	2-2-3	5		111	Loose gray and orange clayey SAND [SC]						
5 - 2	3-5-3	8		11/							
6 – X	3-4-5	9	1	111							
8 -X	5-7-7	14		111	Stiff green and orange sandy fat CLAY [CH]						
9 - X	4-5-8	13	1		Stiff						
1 —			1								
2 — 3 —											
4 — 5 —	2-2-4	6			Firm,,,						
6											
7 — 8 —											
9 — 🔯	7-10-10	20	E		Stiff light gray to tan						
0 —)	E								
2 -											
3 4	2-2-4	6			Firm	68					
5 - 1	2-2-4	0			FIII	00					
7 —						1					
		7.2									
	3-5-5	10	8		Stiff	1		1	1000		(1111)
			8								
			E								
5-14	3-4-5	9	1		Stiff	1		1000			
5 -											
8 —			8								
9 🛛	2-3-3	6			Firm						
1 —			8								
			8								
4 X	1-1-2	3			Soft						
6 —			P								
7			8								
9 - 🔽	1-1-2	3	5	111	Very loose tan and orange clavey SAND, with	-					
0			1	11	Very loose tan and orange clayey SAND, with limestone fragments [SC]						
2 -	- 1		1	11							
4 - 🔽	111	ا ر	+	1.1.1	Very loose tan to orange silty SAND [SM]						
5	1-1-1	2	1	-		- 1					



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

BORING NO: **B-10**

SHEET: 2 of 2

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

DEPTH M (FT.) P L E	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	MC (%)	ATTEI	RBERG IITS	K (FT/	ORG CONT
(F1.) L E	INCREMENT			O L		(%)	(%)	LL	PI	DAY)	(%)
55 — 56 — 57 — 58 — 59 — 60 —	3-5-6 6-9-9	11		[* 6.1, 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tan and orange silty SAND, with lenses of limestone [SM] LIMESTONE Boring Terminated at 60'						



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC...
LOCATION: SEE BORING LOCATION PLAN
REMARKS: 100% Loss of circulation at 46'

BORING NO: **B-11**

NA

SHEET: 1 of 1

18E

RANGE:

SECTION: 15/16 TOWNSHIP: 8S

DATE STARTED: 1/26/05

GS ELEVATION(ft): 119.13

WATER TABLE (ft): 20

DATE FINISHED: 1/26/05

DATE OF READING: 1/27/05

DRILLED BY: J. STILLSON

EST. WSWT (ft):

PTH M	BLOWS PER 6"	N VALUE	W,T,	S Y M B	DESCRIPTION	-200	MC (%)	ATTER	RBERG	K (FT./	ORG CONT
FT.) P L E	INCREMENT			O L		(%)	(70)	LL	PI	ĎAY)	(%)
0- 1- 2	1 2 2				Brown clayey SAND [SC]						
2 — X 3 — X 4 — X	1-2-2 2-3-4	7			Very loose Loose	35					
5 X 6 X 7 X	4-4-5 4-5-6	9 11			Medium dense						
8 — X 9 — X	3-4-4 4-4-5	8 9			Loose	25					
11 — 12 — 13 — 14 — X 15 —	5-6-6	12			Medium dense orange and brown						
17 — 18 — 19 — 20 — 21 —	2-4-6	10	_		Stiff green and orange fat sandy CLAY [CH]	73		88	51		
22 — 23 — 24 — 25 — 26 —	9-9-10	19			Very stiff						
27 — 28 — 29 — 30 — 31 —	3-4-6	10			Stiff						
32 — 33 — 34 — X 35 — 36 — 37 —	3-3-5	8	- 10		Stiff		10 = 0				0
38 — 39 — X 10 — X	2-3-5	8			Stiff						
22— 33— 44—X 55—X	3-3-3	6			Firm Light gray and orange						
17 18 - 19 - X	3-3-5	8			Stiff Boring Terminated at 50'						



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN REMARKS: 30% Loss of circulation at 38'

BORING NO: **B-12**

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 117.32

DATE STARTED: 2/1/05

WATER TABLE (ft): NE

DATE FINISHED: 2/1/05

DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST. WSWT (ft): NA

TH M	BLOWS	N		S Y M	DEGOESTE: OU	-200	MC		RBERG	K	ORG
.) P L E	PER 6" INCREMENT	VALUE	W,T.	B O L	DESCRIPTION	(%)	(%)	LL	PI	(FT./ DAY)	(%)
0					Brown poorly graded SAND [SP]						
-X	1-2-2	4			Loose						
X	1-2-3	5		111	Loose brown and orange clayey SAND [SC]						
	2-3-5	8		111							
	4-5-7 6-8-9	12 17			Medium dense orange and gray						
	5-7-8	15			Stiff green and orange sandy fat CLAY [CH]						
=					Tan and orange clayey SAND [SC]						
X	5-6-11	17			Medium dense						
					Green fat CLAY [CH]						
X	2-3-3	6			Firm		-				
X	7-7-8	15			Stiff						
X	4-5-8	13			Medium dense light green and orange clayey SAND [SC]	45		36	13		
X	5-8-9	17			Medium dense tan to orange						0.00
X	30-21-10	21			Light gray and white poorly graded SAND [SP], with limestone fragments						
X	14-23-25	48			Dense gray and white clayey SAND, with limestone fragments [SC]						
- X	5-8-12	20			Medium dense						
					Boring Terminated at 50'						



CLIENT:

UNIVERSAL ENGINEERING SCIENCES **BORING LOG**

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS: 100 Loss of circulation at 31'

BORING NO: **B-13**

SHEET:

1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE:

GS ELEVATION(ft): 112.94

DATE STARTED: 1/31/05

WATER TABLE (ft): NE

DATE FINISHED: 1/31/05

DATE OF READING: NA

DRILLED BY: G. WHITAKER

EST. WSWT (ft): NA TYPE OF SAMPLING: ASTM D-1586

PTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	МС	ATTER	RBERG IITS	K (FT/	ORG CON
EPTH M P L E	INCREMENT	VALUE		B O L	BESSIAI HOA	(%)	(%)	LL	PI	DAY)	(%)
0			7	1.1.1	Brown silty SAND [SM]						
1 - X	1-1-2	3			Very loose dark brown clayey SAND [SC]						
3-8	1-1-2	3		11	very loose dark brown clayey SAND [SC]						
5 — X	2-2-2	4		1//	Ç			4			1
6 – X	2-3-4	7		11	Loose						
8 — X 9 — X	4-6-7	13			Stiff green and orange fat CLAY, with sand [CH]	1		25.50	9.5		
10	4-7-7	14				84		60	33		
11 — 12 —					Madium dana liaht brown dayay CAND ISC1						
13 — 14 — 🗸		****			Medium dense light brown clayey SAND [SC]						
15	5-9-11	20		1/		¢		(x	-		
16 — 17 —				11							
18 — 19 — 🗸		No		//							
20 —	4-7-7	14	8		Medium dense			WCOO BILL	vener v		
21 — 22 —											
23 — 24 — X		50	1	//		-					
25 —	2-5-6	11	1 - B	//	Medium dense tan to white	24					
26 — 27 —				//							
28 — 29 — X		1000									
30	3-4-6	10	1	11	Loose	0		10			
31 — 32 —				H	LIMESTONE						
33 —											
34 — X	31-21-50/5"	50/5"		1		(*************		00.000			
36 — 37 —				T							
38 — 39 — X											
40	50/1"	50/1"		H				0			
41 — 42 —											
43 — 44 — X				H							
45	50/0"	50/0"	110								
46 — 47 —				H							
48 — 49 — X				日							
50	50/0"	50/0"	-		Boring terminated at 50'						
					3				1		



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS: 100% Loss of circulation at 23' Loss of circulation at 44'

38'6" to 43'6"

BORING NO: **B-14**

SHEET:

1 of 1 RANGE: 18E

GS ELEVATION(ft): 110.88

DATE STARTED: 1/26/05

WATER TABLE (ft): NE

SECTION: 15/16

100%

Weight of Rod from

DATE FINISHED: 1/31/05

DATE OF READING: NA

DRILLED BY: G WHITAKER

EST. WSWT (ft): NA TYPE OF SAMPLING: ASTM D-1586

TOWNSHIP: 8S

EPTH M	BLOWS	N	\A. T	S Y M	DESCRIPTION	-200	мс	ATTER	RBERG	K (FT_/	ORG CON
FT.) P L E	PER 6" INCREMENT	VALUE	W.T.	B O L	DESCRIPTION	(%)	(%)	LL	PI	DAY)	(%)
0 -				1:0	Brown poorly graded SAND, with silt [SP-SM]						
2 — X	1-1-2	3		1 L 1 L	Very loose						
4 — X	3-1-2 1-2-3	5		111	Loose brown clayey SAND [SC]						
6-8	2-2-3	5		111	Eddae Brown diayey of the [do]						
8 — X 9 — X	1-2-2	4									
10	3-5-6	11	-		Medium dense			17			Vu =
12 — 13 — 14 — 🗸	225					37		41	20		
15 — 16 — 17 —	2-3-5	8			Loose,	37		41	20		
18 — 19 — X	2-2-3	5			Firm green and orange fat CLAY [CH]	85		73	46		
21 —								1			
22 - 23 - 2					Light gray to tan clayey SAND [SC]						
24 X 25 X	2-3-3	6									
27 —					Loose light gray to tan clayey SAND, with lenses of limestone [SC]						
29 — X 30 — X 31 —	3-4-4	8						1	()		0.1
2 3 4											
5 — A 6 — 7 —	1-1-1	2			Very loose				00 10 10		n n
8 - 8	0-0-0	0			Very loose						
1 - 2 -	000	· ·			very losse						
3-4-	5-3-8	11		1	LIMESTONE						
5				王							
8 - 8	622			干							
50	6-3-3	6			Boring Terminated at 50'	0.1		-			(-



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN REMARKS: 100 Loss of circulation at 45'

BORING NO: **B-15**

SHEET:

1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 122.98 WATER TABLE (ft): NE

DATE STARTED: 1/26/05 DATE FINISHED: 1/26/05

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST, WSWT (ft): NA TYPE OF SAMPLING: ASTM D-1586

DEPTH M (FT.)	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	MC	ATTE	RBERG MITS	K (FT/	ORG CONT
(FT.) P	INCREMENT			O L		(%)	(%)	LL	PI	DAY)	(%)
0-				1 20 5	Decree and and deal CAND (OD)						
1-				//	Brown poorly graded SAND [SP] Very loose brown clayey SAND [SC]	-					
2 — X 3 — X	1-1-1	2	1 8	11							
4-0	1-2-3	5		11	Loose						
5 — X	2-2-4	6		11	Medium dense gray and orange		1	1			
6 — X	5-6-7	13		11	3,		8				
8 – X	7-7-6	13	6	111	Stiff green and orange sandy fat CLAY [CH]	-					
9 — 10 —	7-10-7	17			Very stiff						
11			1 8		1	1					
12 —											
13 — 14 — V											
15	2-3-4	7			Firm						
16 —											
17 — 18 —											
19 — 🔽	2-4-5	9	8		Ctiff						
20	2-4-5	9	8		Stiff	A Committee		(100)			
21 — 22 —				111		_					
23 —				11	Light gray clayey SAND [SC]						
24 — X 25 — X	4-5-5	10		//	Loose						
26 —			1	11							
27 — 28 —				11							
29	0.45		l k	//							
30 —	3-4-5	9		11	Loose light gray and tan				-		
31 —				//	Light gray and white						
33				11							
34 —	7-9-13	22	1	//	Medium dense	19					
35		113950	1	11		3,61011					
37			1	11							
38 — 39 — X					LIMESTONE					- 1	
40	50/4"	50/4"									
41											
42 — 43 —	1		5	H							
44 — 🔽	50/3"	50/3"									
45	30/3	50/5		H							
46 — 47 —				口							
48				I							
49 —	50/3"	50/3"		-		4					
					Boring Terminated at 50'						



PROJECT NO.: 0795.1400110_0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.
LOCATION: SEE BORING LOCATION PLAN
REMARKS: 100% Loss of circulation at 31'

BORING NO: **B-16**

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 111.36

DATE STARTED: 1/26/05 DATE FINISHED: 1/27/05

WATER TABLE (ft): NE

DRILLED BY: J. STILLSON

DATE OF READING: NA EST. WSWT (ft): NA

DEPTH M P L E	BLOWS PER 6" INCREMENT	N VALUE	W.T.	S Y M B O L	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT./	ORG.
								LL	PI	DAY)	(%)
0-				3130	Very loose brown poorly graded SAND, with silt						
1 2	1-1-1	2	- 1	1 1	[SP-SM]						
3-X	1-2-1	3		111	Very loose dark brown and orange clayey SAND [SC]						
5 - 🗙	3-4-4	8		111	Loose						
6-2	3-4-6	10		111							
7 8 — X	4-5-6	11			Stiff green and orange fat CLAY [CH]						ľ
9 — X	4-5-6	11	1		Stiff	1000					
11 —											
12 — 13 —											
14 — 🔀	3-4-4	8			Stiff						
15 — 16 —				111	Gray and orange clayey SAND [SC]			1			
17 —				12							
18 — 19 — 🗸		12.			N. 65						
20 —	3-3-4	7	moroid	22	Loose,	38		41	23		
21 — 22 —				111							
23 —				32							
24 — X 25 — X	3-6-8	14	-	111	Medium dense light gray to tan						
26 — 27 —				111							
28 —					Medium dense gray and orange, w/trace of						
29 — X	5-8-12	20		111	limestone fragments						
31 —				111	LIMESTONE						
32 — 33 —											
34 —	50/1"	50/1"									
35 36									711		
37 —											
38 39	50/1"	50/1"									
40 - 41 -	50/1	50/1									
42 —				廿							
43 — 44 — X				H	W. Comments of the Comments of						
45	50/1/2"	50/1/2"		T				-			
46 — 47 —				T							
48 —				丁							
49 — X 50 —	50/1"	50/1"		工							
					Boring Terminated at 50'						



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPI

CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

SECTION: 15/16

BORING NO: **B-17**

RANGE: 18E

1 of 1

GS ELEVATION(ft): 132.69

TOWNSHIP: 8S

DATE STARTED: 1/31/05

SHEET:

WATER TABLE (ft): NE

DATE FINISHED: 1/31/05

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft): NA

A M P	BLOWS PER 6"	N VALUE	W_T.	S Y M B	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT,/	ORG CONT
	ICREMENT	***************************************		O L	BEGOINI HON	(%)	(%)	LL	PI	DAY)	(%)
				AE C	Dark brown poorly graded SAND, with silt						
X	1-2-2	4		1//	[SP-SM] Very loose orange to brown clayey SAND [SC]	-					
X	2-2-2	4		111	very loose drange to brown clayey SAND [30]						
$\langle \langle \rangle \rangle$	2-3-4	7		111	Loose gray and brown						
	2-4-5	9			Stiff gray sandy fat CLAY, with limestone [CH]	-					
1	4-5-9	14	1 3								
1	4-6-10	16			Very stiff gray and orange sandy	4			-		
					Green and orange						ĵ.
7	2.5.0		19								
1	3-5-9	14			Stiff			1	1		1
		1									
7	4-5-7	10			CV:W						
4	4-5-7	12			Stiff						0.000
7	4-5-5	10			Stiff						
1	4-3-3	10			Şun						0.0
7	3-4-3	7			Firm green						
1	040				Timi green						
	- 1			///	Light gray and orange clayey SAND [SC]						
	6-9-12	21		22	Medium dense						
1				111	Mediam defice						
1	. 19		-	///							
7	4-7-9	16		111	Medium dense gray						
				111	CONTRACTOR AND						
				111							
1	6-8-9	17		111	Medium dense						N.
1			-	111							
			į.	111	Gray and tan, with limestone fragments						
<	5-9-8	17		111							
					Boring Terminated at 50'						



PROJECT NO .: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S,E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN REMARKS: 100% Loss of circulation at 47'

BORING NO: **B-18**

1 of 1 SHEET:

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 129.35

NA

DATE STARTED: 1/31/05 DATE FINISHED: 1/31/05

WATER TABLE (ft): NE DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft):

EPTH M	BLOWS PER 6"	N VALUE	W,T.	S Y M B	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT./	ORG CON
(FT.) P L E	INCREMENT			O F		(%)	(%)	ш	PI	DAY)	(%)
0-				383	Brown poorly graded SAND [SP]			-			
1 2 – X	2-2-2	4		111	Very loose to medium dense orange and brown						
3-\	3-3-3	6		///	clayey SAND [SC]						
5-X	3-4-5	9		111							
6-\	3-5-5	10		111							
7 — X	3-6-6	12			Stiff gray and orange fat CLAY [CH]						
9-	3-6-9	15)					
11 —			1		Croon						
12 — 13 —					Green						
14 — 🔽	2-4-6	10			Stiff						
15 16 	2-4-0	10			Suit						
17 —						(
18 — 19 — 🗸						1					
20 —	1-2-3	5			Firm		10	W 10.7	6 0 1		
21 — 22 —											
23 —											
24 — X 25 — X	5-11-9	20			Very stiff						
26 —											
27 - 28 -			1								
29 — 🔽	7-7-13	20			Very stiff						
30 - 31 -	4	(82)	-		1903 9	91					
32 —			1		Gray						
33 — 34 — 🗸	7.45.45	00	1								
35	7-15-15	30	-		Very stiff	55		60	34		9
36 — 37 —			E				9 9 4				
38 —			1	44	Dense gray silty SAND, with limestone fragments	1					
39 — X	8-16-22	38		113	[SM]	16		-	6 6		
41 — 42 —						16					
43 —					Dance light gray clavey SAND ISC1						
44 - 45	10-20-25	45	F	11	Dense light gray clayey SAND [SC]						
46 —			-	11							
47 — 48 —				111	Sandy fat CLAY, with limestone fragments [CH]						
49 - 🛛	2-8-20	28	-	11/1							
50	2-0-20	20	f		LIMESTONE				91001		
					Boring Terminated at 50'						



PROJECT NO.: 0795.1400110,0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN REMARKS: 100% Loss of circulation at 42'

BORING NO: B-19

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 122.09

DATE STARTED: 1/26/05 DATE FINISHED: 1/26/05

WATER TABLE (ft): NE

DRILLED BY: J. STILLSON

DATE OF READING: NA EST. WSWT (ft): NA

DEPTH M	BLOWS PER 6"	N VALUE	W.T.	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT/	ORG CON1
(FT.) PLE	INCREMENT		VV.I		(%)	(%)	LL	PI	DAY)	(%)
0-			2.3	Brown poorly graded SAND [SP]						
1 2—X	2-2-2	4	11	Very loose to medium dense brown clayey SAND			1 1			
3-	2-2-2	5	1	[SC]						
4 -	3-5-6		1/							
5 — X 6 — X	1	11	1	ž						
7-	3-5-5	10	1	Stiff green and orange fat CLAY, with sand [CH]						
8 — X 9 — V	3-4-5	9		A	00					
10 —	3-5-5	10	1//	Stiff	82		1	(test to t		1,1
11 — 12 —										
13 —				1						
14 — 15 —	3-4-5	9	\ \ <i>\\\</i>	Stiff green and orange						1
16 —			1//							
17 — 18 —										
19 — 🔽	4-4-5			Chiff light grow						
20	4-4-5	9	1 1//	Stiff light gray						-
21 — 22 —										
23 —			1	Medium dense light gray and tan clayey SAND	-					
24 — X 25 — X	5-6-6	12		[SC]				0.0		
26 —			12							
27 — 28 —				ż						
29 — 🗸	5-7-8	15	83	Medium dense	18					
30 —	3-7-0	13	12	Wedidin delise	10		1 10			
32	- 1		1/							
33 —	1		1							
34 — X	4-6-8	14	1/	Medium dense		()				
36 —			11							
37 — 38 —			工	LIMESTONE	1					
39 —	32-35-50/2"	50/2"	工	1						
40	32-33-30/2	30/2								
41 — 42 —				3						
43				1						
44 — X 45 — X	20-50/5"	50/5"								
46										
47 —										
48 — 49 — X										
50	35-50/4"	50/4"		Boring Terminated at 50'				0 ===0		
		1		Johns Terrimated at 50						
	1									



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **B-20**

SHEET:

1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 86.41

DATE STARTED: 2/8/05

WATER TABLE (ft): NE

DATE FINISHED: 2/8/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft):

NA

DEPTH MP L	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTE	RBERG IITS	K (FT./	ORG.
L E	INCREMENT			Ŏ L		(70)	(70)	LL	PI	ĎAY)	(%)
0 — 1 — 2 — X 3 — X 4 — X	WOH WOH	WOH WOH		1.1.1 1.1.1 1.1.1 1.1.1 1.1.1 1.1.1	Light brown to tan silty SAND [SM] Very loose						
5 — X 6 — X	WOH-1-2 2-3-4	7		//	Loose brown and orange clayey SAND [SC]	-					
7—X	5-5-4	9		11	2005 blown and drange diayey of the [00]						
9-10-	6-7-7	14	2		Stiff gray and orange sandy fat CLAY [CH]						
11 — 12 — 13 — 14 — 15 — 16 —	3-4-5	9			Gray and orange clayey SAND [SC] Loose						0
17 — 18 — 19 — 20 — 21 — 22 —	2-3-5	8			Loose).
23 — 24 — X 25 — 26 — 27 —	2-2-2	4			Very loose LIMESTONE						
28 — 29 — 30 —	6-9-15	24		H	Boring Terminated at 30'	1					



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

LOCATION: SEE BORING LOCATION PLAN

CPH ENGINEERS, INC.

REMARKS:

CLIENT:

BORING NO: **B-21**

TOWNSHIP: 8S

SHEET: RANGE:

1 of 1

18E

SECTION: 15/16

DATE STARTED: 2/8/05

GS ELEVATION(ft): 84.87

DATE FINISHED: 2/8/05

WATER TABLE (ft): NE

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft): NA

EPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	MC	LIN	RBERG IITS	K (FT_/	ORG.
(FT.)	INCREMENT	*/ 1.202		B O L	SESSIAII MEN	(%)	(%)	LL	PI	DAY)	(%)
0 — 1 — 2 — 3 —	2-2-2	4			Brown and orange poorly graded SAND, with silt [SP-SM] Loose						
4 5 — X	2-2-2 2-3-4	4 7		///	Loose brown and orange clayey SAND [SC]						
6-\	2-3-4	7			Loose orange and gray						
8-8	3-4-4	8		111							
9 — X	5-5-6	11	1	111	Medium dense		-				
11 — 12 — 13 —					Gray						
14 — X	2-4-6	10		111	Loose						
16 — 17 — 18 —					Gray and tan						
19 — 🗙	3-4-5	9			Loose			-	01 /		
21 — 22 — 23 — 24 — 25 —	3-4-14	18			LIMESTONE						
26 — 27 —											
28 — 29 — 30 —	12-25-29	54		士							
30					Boring Terminated at 30'						
					1						
- 41											



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REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **B-22**

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 83.94

DATE STARTED: 2/8/05

WATER TABLE (ft): NE

DATE FINISHED: 2/8/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST_WSWT (ft):

NA

PTH M	BLOWS PER 6"	N VALUE	w T	S Y M	DESCRIPTION	-200	MC		RBERG IITS	K (FT ₄ /	ORG
T.) PLE	INCREMENT	VALUE		B O L	DESCRIPTION	(%)	(%)	LL	PI	DAY)	(%)
0-			3	15.1.1	Light brown silty SAND [SM]				- 4		
2-X	1-1-2	3	l li		Very loose						
3-1	1-1-0	1	1	111							
5-	1-2-3	5	3	11	Loose brown and orange clayey SAND [SC]			-	01 8		
7	3-3-4	7	8	//							
8 — 8	5-5-6	11	1	11	Medium dense						
10 —	7-8-9	17	1	12		-		1			
12			1	22	Gray and brown						
13 -	4.0.7	40	E	11							
15	4-6-7	13	1	11	Medium dense			1	2		Ġ1
17			1	11	Light gray and orange						
18 —	2.4.6	40	1	11							
20	3-4-6	10		//	Loose			-			
22				//	Light gray and tan						
23 — 24 — 2	222	ē		//							
25	2-2-3	5		//	Loose				(11		1
27 —		7 1		22	Tan and orange						
28 — 29 — 2	2-2-3	5	1	//	Loose						
30	2-2-3	3	-	7./.	Boring Terminated at 30'			1000			0 0
				- 1							
	1										
	1										
1/1						10			ı I		



PROJECT NO.: 0795_1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **B-23**

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 81.92

DATE STARTED: 2/8/05

WATER TABLE (ft): NE

DATE FINISHED: 2/8/05

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft): NA

DEPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	MC	ATTER	RBERG	K (FT/	ORG CONT
OEPTH M (FT.) P L E	INCREMENT			B O L	2250.W 11611	(%)	(%)	LL	PI	DAY)	(%)
0 — 1 — 2 — 3 — 4 —	2-1-1 1-P-1	2			Brown poorly graded SAND [SP] Very loose						
5 — X 6 — X 7 — X	1-1-1 3-5-7	2 12			A CAND						
8 — X 9 — X 10 — X 11 —	4-8-8 4-5-6	16 11			Medium dense brown to orange clayey SAND [SC] Medium dense				4.3		
12 — 13 — 14 — 15 — 16 —	2-3-6	9			Loose						
17 — 18 — 19 — 20 — 21 —	5-5-5	10			Medium dense						
22 — 23 — 24 — 25 — 26 — 27 —	5-6-6	12	No.		Gray and orange sandy fat CLAY [CH] Stiff						
29 — X 30 — X	6-8-12	20			Very stiff Boring Terminated at 30'						



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CF

CPH ENGINEERS, INC.

LOCATION; SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **B-24**

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 127.28

DATE STARTED: 1/31/05

WATER TABLE (ft): NE

DATE FINISHED: 1/31/05

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft): NA

EPTH M FT.)	BLOWS	N	WT	S Y M	DESCRIPTION	-200	MC		RBERG	K	ORG
T.) P L E	PER 6" INCREMENT	VALUE	VV_I_	M B O L	DESCRIPTION	(%)	(%)	LL	PI	(FT./ DAY)	(%)
0-					Loose brown poorly graded SAND [SP]						
2 — X	2-3-3	6		11	Loose orange and gray clayey SAND [SC]						
4	3-3-4 4-5-6	7	1	12							
5 — X	4-5-6 4-5-6	11 11	1	11							
7 — X	3-5-6	11	2		Stiff green and orange sandy fat CLAY [CH]						
9-	2-4-6	10						1			
11 —											
13 — 14 — 🗸	2-4-4				Chiff						
15 ————————————————————————————————————	2-4-4	8			Stiff				-		
17 — 18 —											
19 — X	3-3-3	6			Firm						
21 — 22 —											
23 — 24 — X						-			-		
25 26	5-9-14	23			Very stiff	51		52	29		
27 — 28 —											
29 - 🔽	3-5-7	12			Stiff						
30		100									
32 — 33 —											
34 — 🗙	50/2"	50/2"	1		Dense tan silty SAND [SM]				100		0.0
36 — 37 —											
38 — 39 — X											
40	13-14-20	34			Dense						0
41 — 42 —			1 11.		Gray						
43 — 44 — X	15-30-30	60	1-	111	Dense						
45 46	10 00 00	40	1	111							
47 — 48 —			E	11	Dense gray clayey SAND, with limestone fragements [SC]						
49 — X	16-25-30	55	1	//							
50					Boring Terminated at 50'						



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE #3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.
LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **B-25**

SHEET: 1 of 1

SECTION: 37

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 86.27

DATE STARTED: 3/9/15

WATER TABLE (ft): NE

DATE FINISHED: 3/9/15

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): 4

DEPTH M	BLOWS PER 6"	N VALUE	w.T.	S Y M B	DESCRIPTION	-200	MC		RBERG IITS	K	ORG CONT
(FT.) F	INCREMENT	VALUE	VVII	B O L	DESCRIPTION	(%)	(%)	LL	PI	(FT./ DAY)	(%)
1	1				Loose to very loose tan SAND, with clay [SP-SC]						
3	1-2-2	4									
4	1-1-1	2	모								
5	1-1-0	1			Very loose to loose brown very clayey SAND [SC]						
6 - 7	1-2-3	5									
8 —	4-6-5	11			Loose to medium dense gray and orange clayey SAND to sandy CLAY [SC/CH]						
10	8-10-11	21									6
11 — 12 — 13 — 14 — 15	3-4-6	10									
16 — 17 — 18 — 19 —	7				Medium dense to loose light gray and orange clayey SAND [SC]						
20	3-4-5	9		00	Boring Terminated at 20'						



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC. CLIENT:

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **B-100**

1 of 1 SHEET:

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 130.33

DATE STARTED: 5/5/08

WATER TABLE (ft): NE

DATE FINISHED: 5/5/08

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): 0.5

DEPTH M (FT.)	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	MC	ATTER	RBERG	K (FT./	ORG CON
(F1.) E	INCREMENT			O L		(%)	(%)	LL	PI	DAY)	(%)
0 1 2 3	2-3-4	7	✓		Loose brown clayey SAND [SC]						
4 5 6 7 8 9	2-3-5 3-5-6 6-4-5 5-5-4	8 11 9 9			Medium dense green, orange and gray elastic SILT [MH]	90	47	74	34		
10 11 12 13 14 15	4-5-5 2-3-4	7			Loose tan clayey SAND [SC]						
16 17 18 19 20	2-3-3	6			Loose light orange and tan poorly graded SAND, with clay [SP-SC] Boring Terminated at 20'	-			, and y		



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 775047 PAGE: B-111

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC.

REMARKS: Shelby tube sample taken from 4' to 6'

CLIENT: LOCATION: SEE BORING LOCATION PLAN BORING NO: **B-101**

1 of 1 SHEET:

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 126.05

DATE STARTED: 5/5/08 DATE FINISHED: 5/5/08

WATER TABLE (ft): NE DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): 0.5

EPTH M (FT.)	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	МС	ATTER	RBERG	K (FT/	ORG CON
(FT.) P L E	INCREMENT	171202		O L	BESSIAI TION	(%)	(%)	LL	PI	DAY)	(%)
0 -			✓	111	Loose brown clayey SAND [SC]						
2 — X	2-2-3	5	1	11/	Firm to stiff green and orange fat CLAY, with						
4 —	3-3-4	7			sand [CH]	84 82	44 38	95 62	58 34		
5 — 6 — X	3-5-5 6-5-6	10 11			Stiff green and orange fat CLAY [CH]	89	39	127	100		
7 — X	6-7-6	13				90	30	75	45		
9 10	6-7-7	14						00.000			
11 —					Loose tan clayey SAND [SC]	-					
13 — 14 — 15	3-4-5	9				23	26				
16 — 17 —											
18 — 19 — V	3-3-5	8									
20	3-3-5	0			Boring Terminated at 20'		V)		
								1			
- 11											
- 14											
- 11											
- 11											
- 11											
- 11-1											
- 11											
11											
- 11	1					1					
						1					



PROJECT NO.: 0795_1400110.0000

REPORT NO.: 775047

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.
LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **B-102**

SHEET: 1 of 1

SECTION: 15/16 TO\

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 128.06

DATE STARTED: 5/5/08

WATER TABLE (ft): NE

DATE FINISHED: 5/5/08

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST_WSWT (ft): 0.5 TYPE OF SAMPLING: ASTM D-1586

DEPTH M	BLOWS PER 6"	N VALUE	W,T.	S Y M B	DESCRIPTION	-200	MC		RBERG	K (FT./	ORG CONT
ALL III	INCREMENT			O L		(%)	(%)	LL	PI	DAY)	(%)
0 1	1-4-5	9	Z	11	Brown poorly graded SAND, with silt [SP-SM] Stiff orange and gray sandy lean CLAY [CL]	60	34				
3	2-3-5	8			Loose gray and orange clayey SAND [SC]	- 00	34				
5	3-3-5	8	-	111	Stiff green and orange sandy lean CLAY [CL]	46	30				
6 7	2-3-6	9			othin ground and orange sandy lean OLAT [OL]						
8 8	2-3-4	7						1			
10	2-3-5	8	-								
12 —					Firm green and orange fat CLAY [CH]						
14	2-2-4	6				87	48	109	82		
15						1 11501	11-21	-1,264			
17 18					Medium dense green clayey SAND [SC]						
19 20	2-4-6	10		111							
					Boring Terminated at 20'						
14											
11											
1.1											
1.1	The state of the s										
- 41.1											
- 10.1											
10.1											
- 11.1											
1.1	1	1 7		. 5							
	1										
- 11	1.0					1 1					
- 11						1 1			- 1		
						1 1					
- 11				0 4		1 1					
- 11								1 1			
1.1				1 1		1 1					
1.1											
- 11						1 1		1 1			
1.1				1 1		1 1					
1.1	1										
111	- 1			1		1 1			. 1		
									III		
				1					V M		



PROJECT NO.: 0795_1400110.0000

REPORT NO.: 775047

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **B-103**

SHEET: 1 of 1

SECTION: 15/16 TO GS ELEVATION(ft): 116.67

TOWNSHIP: 8S RANGE:

RANGE: 18E

30 ELEVATION(11): 110:0

DATE STARTED: 5/5/08

WATER TABLE (ft): NE

DATE FINISHED: 5/5/08

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft): 1

EPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	MC		RBERG IITS	K (FT/	ORG CON
	INCREMENT			O L		(%)	(%)	LL	PI	DAY)	(%)
0 — 1 — 2 — X	1-1-2	3	又		Loose dark brown poorly graded SAND, with clay [SP-SC]						
3-8	2-4-6	10			Stiff gray and orange sandy lean CLAY [CL]	56	30				
5 — 6 —	2-4-7 2-5-7	11 12			Stiff gray and orange sandy lean CLAY [CL]	63	30	45	19		
7 8 9	6-9-9	18			Very stiff gray and orange sandy lean CLAY [CL]						
10 — 11 — 12 —	7-9-12	21									0
13 — 14 — 15 —	3-5-7	12			Medium dense gray clayey SAND [SC]						
16 — 17 — 18 — 19 —					Stiff green fat CLAY [CH]						
20	2-5-6	11		////	Boring Terminated at 20'	· (0		0-1	1		



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **B-104**

1 of 1 SHEET:

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 114.97

DATE STARTED: 5/6/08

WATER TABLE (ft): NE

DATE FINISHED: 5/6/08

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST, WSWT (ft): 0.5

DEPTH M	BLOWS PER 6"	N VALUE	w.T	S Y M	DESCRIPTION	-200	MC		RBERG	K (FT./	ORG CON
(FT.) PLE	INCREMENT	17.202		B O L	DESSIAI THEIR	(%)	(%)	LL	PI	DAY)	(%)
0				4,500	Brown poorly graded SAND [SP]						
2 — X 3 — X 4 — X	1-4-6 2-3-4	10 7			Loose to medium dense orange clayey SAND [SC]						
5 6 7	2-3-3 2-3-4	6 7 9			Loose gray and orange clayey SAND [SC]						
8 — 9 — 10 —	2-4-5 2-4-6	10			Stiff gray and orange sandy lean CLAY [CL]						
11 — 12 — 13 — 14 —	1-3-5	0			Stiff green and orange sandy lean CLAY [CL]						
15 — 16 — 17 — 18 —	1-3-5	8			Firm green and gray fat CLAY [CH]						
19 — 🛛	1-2-3	5			Boring Terminated at 20'	92	61	100	67		



PROJECT NO: 0795.1400110.0000

REPORT NO.: 775047

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: B-105

1 of 1 SHEET:

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 124_03

DATE STARTED: 5/5/08 DATE FINISHED: 5/5/08

WATER TABLE (ft): NE

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST_WSWT (ft):

DEPTH M P L E	BLOWS PER 6"	N VALUE	W.T.	S Y M B O	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT/	ORG
(F1.) L E	INCREMENT			Ö		(%)	(%)	LL	PI	DAY)	(%)
0 1 2 3 4	1-1-1 2-3-3	2 6	又		Very loose to loose brown silty SAND [SM]	14	9				
5 6 7 8 9	3-3-4 2-2-4 2-4-7 2-4-6	7 6 11 10			Loose gray poorly graded SAND, with silt [SP-SM] Medium dense orange and gray clayey SAND [SC] Stiff sandy lean CLAY [CL]	65	36				
12 — 13 — 14 — 15 — 16 —	1-2-4	6			Firm green and gray fat CLAY [CH]						
17 18 19 20	2-3-3	6			Boring Terminated at 20'						



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 775047

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT:

CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **B-106**

SHEET: 1 of 1

SECTION: 15/16 TOV

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 115.02

DATE STARTED: 5/6/08

WATER TABLE (ft): NE

DATE FINISHED: 5/6/08

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft):

EPTH M	BLOWS	N	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	S Y M	DECORPTION	-200	MC	ATTER	BERG ITS	K (FT ₁ /	ORC
(FT.) P L E	PER 6" INCREMENT	VALUE	W.T.	B O L	DESCRIPTION	(%)	(%)	LL	PI	(FT _i / DAY)	CON (%)
0-				A.M.S.	Brown poorly graded SAND [SP]						
2 - X	3-4-8	12		///	Medium dense orange clayey SAND [SC]						
3-X	2-4-8	12			Medium dense to loose orange and gray clayey SAND [SC]						
5 — X	3-6-8	14			SAND [SC]	1					
6 — X	2-3-5	8		11/1	Stiff gray sandy lean CLAY [CL]						
8 - 2	2-3-5	8			Still gray sality learn CEAT [CE]	55	30	49	22		
10 -	2-3-6	9									
11 — 12 —					Firm green and orange fat CLAY [CH]						
13 — 14 — V	+										
14 — X	2-2-4	6						1			
16 — 17 —											
18 — 19 — X		- 1									
20	1-3-4	7		11/4	Boring Terminated at 20'	0		900 10	0 17		
11.0					20						
								1			
120											
1.1											
- 1/1				1							
- 10											
111											
- 11.1											
			1								
				Y 1					1 1		
									J		



PROJECT NO.: 0795.1000100.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **B-107**

SHEET: 1 of 1

SECTION: 15/16 To

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 136.66

DATE STARTED: 6/11/09

WATER TABLE (ft): NE

DATE FINISHED: 6/11/09

DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EST_WSWT (ft): 1

DEPTH	A M	BLOWS	N	W.T.	S Y M	DESCRIPTION	-200	мс	ATTER LIM	RBERG	K	ORG.
(FT,)	P	PER 6" NCREMENT	VALUE	W.I.	M B O L	DESCRIPTION	(%)	(%)	LL	PI	(FT./ DAY)	(%)
0 — 1 — 2 —				▽		Brown and orange clayey SAND [SC]						
3 — 4 — 5 — 6 —	X	5-6-6	12			Stiff brown and orange sandy CLAY [CH]						
7— 8— 9— 10—	X	4-4-4	8			Stiff green and orange						0.0
11 — 12 — 13 — 14 — 15 —	X	2-2-3	5			Firm green CLAY [CH]						
16 — 17 — 18 — 19 —	∇					Loose light greenish-gray clayey SAND [SC]	- 15					
20 —		2-3-3	6	0 -				-	0			0
21 —	Θ	3-4-5	9									
23 —	A	5-5-5	10			Stiff green and orange CLAY, with trace of sand [CH]						
24 —	X	4-4-5	9			Loose to medium dense tan silty SAND [SM]						
25 — 26 —	X	4-6-6	12				19	13				
27 —	X	3-4-5	9									
28 — 29 —	X	4-6-8	14		# 1 1 1 # 1 6 1 # 1 3 2 # 1 3 3	Boring Terminated at 29'						



PROJECT NO.: 0795.1000100.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN REMARKS:

BORING NO: **B-108** SHEET:

TOWNSHIP: 8S SECTION: 15/16

RANGE: 18E DATE STARTED: 6/22/09

GS ELEVATION(ft): 134.70

WATER TABLE (ft): NE

DATE FINISHED: 6/22/09

DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EST. WSWT (ft):

DEPTH M	BLOWS PER 6"	N VALUE	w.t.	S Y M	DESCRIPTION	-200	МС		RBERG IITS	K	ORG CON
(FT.) P L E	INCREMENT	VALUE	VVII	B O L	DESCRIPTION	(%)	(%)	LL	PI	(FT / DAY)	(%)
0			V		Brown SAND [SP]						
2-					Tan and orange very clayey SAND [SC]						
3 — 4 — 5 — X	4-5-6	11			Stiff tan and orange sandy CLAY [CH]						
6 —											
9 — 10	4-5-5	10			Stiff						0
11 — 12 — 13 —					Stiff light green and orange CLAY, with trace of sand [CH]						
14 — X 15 —	2-3-5	8			Shelby tube sample taken from 15' to 17'	89	43	74	47		
17 — 18 — X	1-2-2	4			Loose tan silty SAND, with trace of clay [SM]	32	21				
20	1-2-2	4									
21 — 🗸	3-4-6	10			Loose green and orange clayey SAND [SC]	30	25				
23	2-3-3	6			Medium dense tan silty SAND, with trace of clay	39	30	51	30		
24 — 🗡	5-7-7	14		1	[SM]						
25 — 🗸	4-5-6	11									
27 — 🐰	7-9-11	20		# L (4 4 C G 4 1 E L (2 1 E L (2	Boring Terminated at 27_5'						



PROJECT NO.: 0795.1000100.0000

REPORT NO : 863725

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **B-109**

SHEET: 1 of 1

18E

SECTION: 15/16 T

TOWNSHIP: 8S RANGE:

GS ELEVATION(ft): 131.50

DATE STARTED: 6/23/09 DATE FINISHED: 6/23/09

WATER TABLE (ft): NE
DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EST. WSWT (ft): 1

EPTH M	BLOWS PER 6"	N VALUE	W.T.	S M B	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT./	ORG CON1
FT.) P	INCREMENT			O L		(%)	(%)	LL	PI	DAY)	(%)
0				2,54,9	Brown SAND [SP]						
1			모	111	Loose brown clayey SAND [SC]						
2-	2-2-3	5					21				
3					Stiff light brown and orange sandy CLAY [CL/CH]	35	27	43	20		
4-()	6-7-8	15									
5 — 👗	4-4-5	9	-		Firm green and orange CLAY [CL/CH]	51	30	42	19		
6-\						80	59	71	35		
7	2-2-3	5			§	70	40		_		
8 — 👗	3-4-6	10				76	46	96	71		
9 — 🗸	3-3-4	-	1			90	54	92	56		
10	3-3-4	7	115			90	54	92	30		
12 — 13 — 14 — 15 — 16 —	1-3-4	7	on discourse		Firm	88	46	47	17		
17 — 18 — 19 —	2-3-3	6			Loose tan silty clayey SAND [SM-SC]		16				
20 -	200	J	(=)		Boring Terminated at 20'		10				



PROJECT NO.: 0795.1000100.0000

REPORT NO.: 863725

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **B-110**

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 127 41

DATE STARTED: 6/23/09

WATER TABLE (ft): NE

DATE FINISHED: 6/23/09

DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EST. WSWT (ft): 1

EPTH M FT.)	BLOWS	N	10/ -	S Y M	DESCRIPTION	-200	МС	ATTER	RBERG	K	ORG CONT
T.) P	PER 6" INCREMENT	VALUE	W,T.	B O L	DESCRIPTION	(%)	(%)	LL	PI	(FT/ DAY)	(%)
0			卫		Brown SAND [SP]						
2-					Brown very clayey SAND [SC]						
4 — X 5 — X 6 —	1-2-3	5			Loose						
7 — 8 — 9 — $\sqrt{}$					Loose light brown						
10 —	4-4-4	8			7				hounts		0.
11 - \	1-2-3	5				40	20	41	24		
13	2-3-4	7		///	Loose to medium dense tan and orange clayey SAND [SC], with limestone fragments	40	23	44	25		
14 — 15 —	2-3-6	9			SAND [SC], with limestone fragments	40	23	44	25		
16 —	4-6-8	14									
17 — X	1-3-5	8				49	27	45	23		
18 — X	5-5-7	12									
20 —	5-10-12	22				49	79	49	21		
					Boring Terminated at 20.5						



PROJECT NO.: 0795.1000100.0000

REPORT NO.: 863725

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.
LOCATION SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **B-111**

SHEET: 1 of 2

SECTION: 15/16 TOW

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 135.77

DATE STARTED: 6/23/09

WATER TABLE (ft): 19

DATE FINISHED: 6/23/09

DATE OF READING: 6/23/09

DRILLED BY: M. BOATRIGHT

EST. WSWT (ft):

DEPTH	S A M	BLOWS	N		S Y M	DESCRIPTION	-200	МС	ATTER	RBERG	K (FT./	ORG
DEPTH (FT.)	PLE	PER 6" INCREMENT	VALUE	W.T.	B O L	DESCRIPTION	(%)	(%)	LL	PI	(FT./ DAY)	(%)
0 —	H					Brown SAND [SP]						
1 —												
2 — 3 —				모								
4 —					111	Loose brown, gray and orange clayey SAND [SC]						
5 —	X	1-2-3	5			Essass storm, gray and starting starting starting			.			
6 —						Firm light green and orange sandy CLAY [CH]						
7 — 8 —						Timinight green and orange sandy 55 tt [511]						
9 —	V											
10 —	Α	3-3-4	7	1				11111111	(0)			
11 —												
12 — 13 —			8									
14 —	V					Loose light gray silty clayey SAND [SM-SC]						
15 —	Δ	3-3-4	7	-	177	Esose light gray sitty stayey of the [our co]		0.0				8
16												
17 — 18 —						Firm green and orange CLAY [CH]						
19 —	M			▾								
20 —	Λ	2-2-3	5	-		Shelby tube sample taken from 20' to 22'	96	61	95	57		
21 —												
22 — 23 —	M		_			Loose to medium dense light green clayey SAND [SC]	31	23				
24 —	M	3-3-4	7									
25 —	$\langle \rangle$	3-4-6	10	-			28	24				
26 —	A	5-7-10	17		1111	Firm green CLAY, with trace of sand [CH]						
27 — 28 —	X	2-3-4	7									
29 —	X	4-5-9	14			Medium stiff tan clayey SAND [SC]						
30 —	X	4-7-3	14		111					-		



PROJECT NO.: 0795_1000100.0000

REPORT NO.: 863725

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

BORING NO: **B-111**

SHEET: 2 of 2

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

DEPTH (FT.)	SAM	BLOWS PER 6"	N VALUE	w.T.	S Y M B	DESCRIPTION	-200	MC	ATTER	RBERG	K (FT/	ORG.
(FT.)	E	INCREMENT	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		P O		(%)	(%)	LL	PI	ĎAY)	CONT (%)
	X	6-7-7	14		199	Boring Terminated at 31'						



PROJECT NO.: 0795,1000100.0000

REPORT NO.: 863725 PAGE: B-122

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC. CLIENT:

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **B-112** SHEET: 1 of 1

TOWNSHIP: 8S

GS ELEVATION(ft): 125.92

DATE STARTED: 6/23/09

WATER TABLE (ft): NE

DATE FINISHED: 6/23/09

DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

RANGE:

18E

EST. WSWT (ft):

SECTION: 15/16

EPTH M (FT.) P	BLOWS PER 6"	N VALUE	w.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTEI	RBERG MITS	K (FT./	ORG CONT (%)
(F1.) E	INCREMENT			POF		(70)	(70)	LL	PI	ĎAY)	(%)
0				183.85	Brown SAND [SP]						
1—					BIOWIT SAIND [SF]						
2—			모	1.1							
					Brown clayey SAND [SC] Medium dense to loose brown silty SAND [SM]						
3					Mediam dense to loose brown sitty OAND [OM]						
4-				1 1 1 1 1 1 1 1 1 1 1 1							
5 —	4-5-6	11	coroiu	1.51 pt 1		1					0.000
6											
7-											
8 -	3-3-3	6		ini (i (ii) i							
9-X											
	3-3-3	.6			Loose,		6 6 6				
10 —	2-3-2	5		1.1.1.1		19	11				
11	2-5-2			1 1 1 1 1 1 1 1 1 1 1 1							
12 —	3-2-3	5									
13 —											
14 —	3-4-4	8			Loose to medium dense brown clayey SAND [SC]						
15 — X	000				[50]	25		L.	(CO E)		
16 —	3-3-3	6									
ΙΛ	3-5-6	11		111							
17				111							
18 —	2-2-3	5		///							
					Boring Terminated at 18.5'						
- 10											



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS: Shelby tube sample taken from 21' to 23'

BORING NO: **B-113**

SHEET:

1 of 2

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 138.67

SECTION: 15/16

DATE STARTED: 6/23/09 DATE FINISHED: 6/23/09

WATER TABLE (ft): NE DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft):

DEPTH M (FT.)	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	мс	ATTER	RBERG	K (FT_/	ORG CON
(FT.) P	INCREMENT	VALUE	VV	B O L	DESCRIPTION	(%)	(%)	LL	PI	DAY)	(%)
0 —				e leva	Brown SAND [SP]						
1-			모		BIOWII GAMB [GI]						
2—				111	Brown very clayey SAND [SC]						
3—				111							
4 —				111							
5 —	0.000				Gray and orange CLAY, with trace of sand and limestone [CH]			-			
6—			13		, ,						
7—											
8 —											
9 —				111	Tan clayey SAND, with lenses of clay [SC]						
10 —	1000		116				000-01	000			000
11 —				1111	Orange and green CLAY [CH]						
12 —											
13 —											
14 —											
15 —								90			0.0
16 —						89	50	91	59		
17 —						0.5	30] 31			
18 —											
19 —											
20 —											
21 —			1								
22 —											
23	0-2-2	4		///	Loose to medium dense light tan to white clayey SAND [SC]						
24 — 🗸	4-4-4	8				28	19				
25				111							
26 — \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	5-5-6	11		111							
28	5-5-6	11	10								
29 —				111			25				
30 —	6-4-4	8	-6								



PROJECT NO.: 0795_1000100.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA BORING NO: **B-113**

SHEET: 2 of 2

SECTION: 15/16 TOWNSHIP: 8S RANGE: 18E

DEPTH (FT.)	S A M	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTER	RBERG	K (FT/	ORG. CONT (%)
(FT.)	L	INCREMENT	77.202		O B	DESSITI TION	(%)	(%)	LL	PI	DAY)	(%)
30 — 31 —	X	6-7	13		199	Boring Terminated at 31'						



PROJECT NO.: 0795.1000100.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.
LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **B-114** SHEET: 1 of 2

SECTION: 15/16 TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 135.64

DATE STARTED: 6/23/09

WATER TABLE (ft): NE

DATE FINISHED: 6/24/09

DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EST. WSWT (ft): 1

DEPTH M	BLOWS PER 6"	N VALUE	w.T.	S Y M B	DESCRIPTION	-200	МС	ATTER	RBERG	K (FT/	ORG.
(FT.) PLE	PER 6" INCREMENT	VALUE	VV.I.	B O L	DESCRIPTION	(%)	(%)	LL	PI	DAY)	(%)
0			又	111	Brown SAND [SP]						
1-				111	Brown very clayey SAND [SC]						
3—					Light brown sandy CLAY [CH]						
4 — X	3-3-4	7			Firm gray and orange						
6 - 7 -	3-3-4	.,									
8					Stiff green and orange CLAY [CH]						
9 — 🗸	3-4-6	10					a mi		,,,,,		,
11 —											
13 —											
14 — \	2-4-5	9			Stiff						
16 —											
17 —											
19 — X 20 — V	2-2-3	5			Loose tan clayey SAND [SC]		23				
21	3-4-4	8			Firm to stiff green CLAY, with trace of sand [CH]	26	26				
22 — X	3-3-4	7				90	57	82	61		
23 — 24 —	4-7-8	15			Loose tan clayey SAND [SC]						
25 — X	3-4-4	8				17 15	18 17				
26 — V 27 — V	4-5-6	11									
28 —	3-3-4	7					20				
29 — X	3-5-7	12					22				



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.
LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **B-115** SHEET:

BOKINO NO. **B**-113

TOWNSHIP: 8S

RANGE: 18E

1 of 1

GS ELEVATION(ft): 133.53

DATE STARTED: 6/22/09

WATER TABLE (ft): NE

DATE FINISHED: 6/22/09

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): 1

SECTION: 15/16

DEPTH (FT.)	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTE	RBERG IITS	K (FT./	ORG.
L				O L		(70)	(%)	LL	PI	DAY)	(%)
0				111	Brown, tan and orange clayey SAND [SC]						
1 —			모								
2											
3				111							
5											
6				///							
7					Green and orange CLAY [CH]						
8 —											
9 —											
10											
11											
12											
13											
14											
15	,										
16 — X	2-2-3	5			Firm	87	33	82	55		
18	1			///	Medium dense light tan to white clayey SAND [SC]	-					
19 - 🗸	4-4-6	10			[SC]						
20	7-9-9	18									
21 —	9-10-12	22									
22	3-10-12	22		111	Stiff green and orange CLAY [CH]						
23	5-5-5	10	-		Still green and drange CLAT [CH]	92	55	113	89		
24 — X	6-6-6	12			Medium dense light tan to white clavey SAND	4					
25			1	11	Medium dense light tan to white clayey SAND [SC]				1		
26				117	Boring Terminated at 26'	+					
										- 1	



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH EN

CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **B-116**

SHEET: 1 of 1

RANGE: 18E

SECTION: 15/16

TOWNSHIP: 8S RANGE: 1 0.98 DATE STARTED: 6/11/09

GS ELEVATION(ft): 130.98

DATE FINISHED: 6/11/09

WATER TABLE (ft): NE
DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

ECT M/CM/T/(#).

					EST. WSWT (ft): 1	TYPE	OF SAMPLING	: ASTM D	-1586
EPTH (FT.)	BLOWS PER 6" LINCREMENT	N VALUE	W.T.	S M B O-	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS	K (FT / DAY)	ORG CON (%)

EPTH M (FT.)	BLOWS PER 6"	N VALUE	W.T.	Y M B	DESCRIPTION	-200 (%)	MC (%)	LIN	RBERG MITS	K (FT./	ORG CONT
- I.)	INCREMENT			O L		(70)	(70)	LL	PI	ĎAY)	(%)
0 1— 2— 3—			卫		Brown SAND [SP] Stiff brown, gray and orange sandy CLAY [CH]						
4 5 6 7	4-4-5	9)y) ===================================			000		
9 10 11 12	3-3-4	7			Firm green and orange						
13 14 — 15 — X	2-3-4	7			Stiff						
16	3-4-5	9				69	46	68	44		
17 18	1-2-3	5			Loose light brown and tan clayey SAND [SC]						
19	3-4-4	8									
20 — 1	2-4-4	8	3		Stiff green and orange sandy CLAY [CH]	31	28				
22	2-2-3	5									
23 — 🗴	3-3-5	8			Boring Terminated at 23.5'						



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS: Shelby tube sample taken from 15' to 17'

BORING NO: **B-117**

SHEET: 1 of 1

SECTION: 15/16 TO

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 126.11

DATE STARTED: 6/23/09

WATER TABLE (ft): NE

DATE FINISHED: 6/23/09

DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EST_WSWT (ft): 1

EPTH M	BLOWS PER 6"	N VALUE	W,T.	S×M	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT./	ORG CON1
(FT.) P	INCREMENT	VALUE		B O L	BESSIAI TISIS	(%)	(%)	LL	PI	DAY)	(%)
0-				23.5	Brown SAND [SP]			1			
1 —			모	111	Loose to medium dense brown heavy clavey	-					
2-	1-2-3	5			SAND [SC]						
3 —	2.5.0	44									
4-0	3-5-6	11			Cliff light gases gray and grays and Cl AV	-					
5 —	4-4-7	11			Stiff light green, gray and orange sandy CLAY [CL/CH]				111111		1
6-	7-9-9	18									
7						57	24				
8-0	4-4-4	8									
10	5-7-7	14			Stiff	68	28	44	23		
11 —											
12 —								1			
13											
14 —					Firm green and orange						
15 —	2-3-4	7			Timi green and drange	97	51	75	48		
16 —											
17 —					Light green and orange sandy CLAY [CH]						
18 —					Green and orange CLAY [CH]						
19 —	225				Loose light green clayey SAND [SC]	31	23				
20	3-3-5	8		7.7	Boring Terminated at 20'	3,	23				
- 144											



13 14

15 · 16 · 17 · 18 · 19 ·

20

2-3-4

2-2-3

5

UNIVERSAL ENGINEERING SCIENCES BORING LOG

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

BORING NO: **B-118** SHEET:

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 127.91

DATE STARTED: 6/22/09

WATER TABLE (ft): NE

43

35

25

33

44

22

DATE FINISHED: 6/22/09

REMARKS	: She	elby tube sa	mple take	n from	8' to 10	DATE OF REA			DRILLED		R, WOO	
DEPTH (FT.)	S A M P	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)		RBERG IITS	K (FT./	ORG. CONT.
(1.7	E IN	CREMENT			O		(70)	(70)	LL	PI	DAY)	(%)
0 — 1 —				卫		Loose to medium dense brown, orange and tan clayey SAND [SC]						
2 — 3 —	X	1-3-3	6									
4 —	Ä	5-6-7	13									
5 —	Ä	6-5-5	10			Stiff green and orange CLAY [CH]						
6 — 7 —	$\langle \rangle$	4-4-6	10									
8 — 9 —	X	5-6	11				91	44	92	57		
10 —												
11 — 12 —												

Loose tan clayey SAND, with lenses of clay [SC]

Loose..,

Boring Terminated at 20'



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC. CLIENT: LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **B-119** TOWNSHIP: 8S

1 of 1 SHEET:

18E

GS ELEVATION(ft): 118.74

SECTION: 15/16

DATE STARTED: 6/22/09

DATE FINISHED: 6/22/09

WATER TABLE (ft): NE

RANGE:

DATE OF READING: NA EST. WSWT (ft):

DRILLED BY: R. WOODARD

PTH M PER 6"	N VALUE	w.t.	S Y M	DESCRIPTION	-200	MC		RBERG 11TS	K (FT/	ORG.
T.) P PER 6" INCREMENT	VALUE	VV	B O L	BESSIAI TISK	(%)	(%)	LL	PI	DAY)	(%)
0 1				Loose light brown SAND [SP]						
2 — X 3 — V	4	모		Loose to medium dense brown, tan and orange clayey SAND [SC]						
3-4-3	7									
5 4-5-6 6 7 7 5 0	11			Medium dense gray and orange						
7 - 7-5-6 8 - 6-6-5	11									
9-\	15			Stiff gray sandy CLAY [CH]						
10		100		Gray and orange clayey SAND [SC]						



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **B-120**

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 120.82

DATE STARTED: 6/23/09

WATER TABLE (ft): NE

DATE FINISHED: 6/23/09

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): 1

EPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	MC	ATTER	RBERG	K (FT./	ORG CONT
(FT.) PLE	INCREMENT	***************************************	11000	B O L		(%)	(%)	LL	PI	DAY)	CONT (%)
0- 1- 2-X	2-4-5	9	又		Loose to medium dense brown, gray and orange clayey SAND [SC]						
3 — X 4 — X	5-5-5	10									
5—\hat\ 6—\hat\	5-5-6 7-6-6	11				26	19		0.000-0		
8 —	4-5-6	11			Stiff to very stiff green and orange CLAY [CH]	88 57	44 29	100	63 24		
9 - \	9-8-8	16	7-3			70	30	79	51		
11 — \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	7-8-8 8-7-7	16 14			Medium dense tan clayey SAND [SC]		20				
					Boring Terminated at 13'						



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS: Shelby tube sample taken from 4' to 6'

BORING NO: **B-121**

1 of 1 SHEET:

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 119.45

DATE STARTED: 6/23/09

WATER TABLE (ft): NE

DATE FINISHED: 6/23/09

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST_WSWT (ft):

DEPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200 (%)	MC (%)		RBERG IITS	K (FT./	ORG.
(FT.)	INCREMENT			B O L		(70)	(%)	LL	PI	ĎAY)	(%)
0-			∇	177	Loose gray and orange very clayey SAND [SC]						
1-					Loose gray and brange very clayey SAND [SC]						
2-X				111		45	19				
3-	2-4-4	8		1111	Loose to medium dense green and orange CLAY, with trace of sand [CH]						
4-	4-5-5	10			CLAY, with trace of sand [CH]	61	28				
						78	35	72	42		
5 —	4-4-5	9				58	29	59	36		
6 — X	6-5-5	10									
7-						60	16	62	40		
8-_	6-7-7	14		111	Medium dense tan clayey SAND [SC]			1			
9 — 🛚	0.7.0	45		22		42	17				
10	8-7-8	15					17	10			
11 —	8-9-9	18	1	77.7	Boring Terminated at 11'	35	''				
- 12											
						1					
A 1											



PROJECT NO.: 0795.1000100.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **B-122**

TOWNSHIP: 8S

SHEET: 1 of 1

18E

GS ELEVATION(ft): 124.70

DATE STARTED: 6/22/09

WATER TABLE (ft): NE

DATE FINISHED: 6/22/09

DATE OF READING: NA

DRILLED BY: R. WOODARD

RANGE:

EST. WSWT (ft):

SECTION: 15/16

EPTH M (FT.) P L E	BLOWS PER 6"	N VALUE	W.T. MB	DESCRIPTION	-200	MC (%)	ATTER	RBERG IITS	K (FT/	ORG CONT (%)
(F1.) L E	INCREMENT		OL		(%)	(70)	LL	PI	ĎAY)	(%)
0-			□ //	✓ Very loose brown and orange clayey SAND [SC]						
1-		7.1	1							
2-	1-2-1	3				20				
3-\			1/			23				
4	3-3-3	6	1		43	26				
5-	2-3-4	7		Loose gray and orange	26	18	27	9		
6 —	6-5-5	10	1/	Medium dense		.0		•		
7-	000	10				29				
8 — \	5-6-6	12	1							
9-\	8-10-10	20				22	1			
10 —			11	8						
12 —			1							
13 —			1/							
14-										
15	4-5-6	11	1/	Medium dense light tan to white	24	15				L
16—										
17 —			11	Boring Terminated at 17'						
				Bonng Terminated at 17						



CLIENT:

UNIVERSAL ENGINEERING SCIENCES **BORING LOG**

PROJECT NO.: 0795.1000100.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN REMARKS: Shelby tube sample taken from 5' to 7' BORING NO: **B-123**

1 of 1 SHEET:

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 117.46

DATE STARTED: 6/23/09 DATE FINISHED: 6/23/09

WATER TABLE (ft): NE DATE OF READING: NA

R. WOODARD DRILLED BY:

EST. WSWT (ft):

EPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	MC		RBERG IITS	K (FT./	ORC
FT.) P L E	INCREMENT	.,		B O L	2233.01	(%)	(%)	LL	PI	DAY)	(%)
0				5.50	Very loose to loose brown SAND [SP]						-
1-							8				
2	1-1-1	2	모				6				
3-\	2-3-3	6									
5 X	2-2-3	5			Loose to medium dense gray and orange clayey SAND [SC]		21				
6 —	2-2-3	5				38	25				
7	4-3-3	6				75					
8 — X	4-4-4	8				40	28	31	13		
9 - X	5-5-6	11				42	22				
10					Boring Terminated at 10'	400 976		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
								1			
				U I							
				h		(
- 1.1											
			10								
1.1											
	1	I									



PROJECT NO.: 0795.1000100.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS: Shelby tube sample taken from 17' to 19'

BORING NO: **B-124**

TOWNSHIP: 8S

SHEET: 1 of 1 RANGE: 18E

GS ELEVATION(ft): 135.01

SECTION: 15/16

DATE STARTED: 6/22/09

WATER TABLE (ft): NE

DATE FINISHED: 6/22/09

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST, WSWT (ft):

DEPTH M P L E	BLOWS PER 6" INCREMENT	N VALUE	W.T.	S Y B O L	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT_/	ORG.
								LL	PI	DAY)	CONT (%)
0 —			V	111	Brown clayey SAND [SC]						
1 —				111	Brown diayey Grand [GG]						
2—											
3—				111							
4 —											
5 —			44	111							
6				1111	Green and orange CLAY, with trace of sand [CH]						
7											
8 —											
9 —						59	29	61	36		
10 —									, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1
11 —											
12 — 13 —			1								
14 —											
15 —									_		
16—											
17 —											
18 —			115								
19 —							1				
20 — 🗸		-			Firm	92	47	103	75		
21 —	2-3-4	7			1 1111						
22 —	5-5-6	11			Stiff	93	54	104	75		
23 —					Medium dense light tan to white clavey SAND						
24 —	6-7-7	14		111	Medium dense light tan to white clayey SAND [SC]	31	18	34	9		
25 —	7-7-7	14	100			27	20				
26 —		100									
27 —	7-8-9	17		1.7.7.	Boring Terminated at 27'						



PROJECT NO: 0795 1400110 0000

REPORT NO .: 775047 PAGE: B-135

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC. CLIENT:

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: C-1

1 of 1 SHEET:

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 96.71

DATE STARTED: 5/6/08

WATER TABLE (ft): NE DATE OF READING: NA

DATE FINISHED: 5/6/08 DRILLED BY: J. STILLSON

EST. WSWT (ft):	0.5	TYPE OF SAMPLING:	ASTM D-1586

DEPTH M (FT.) P L	BLOWS PER 6"	N VALUE	WT	S Y M B	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT./	ORG CON
(FT.) PLE	INCREMENT	VALUE		O L	SECONII NON	(%)	(%)	LL	PI	DAY)	(%)
0 — 1 — 2 — 3 — 4 —	1-1-2 1-1-2	3 3		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Very loose brown-orange silty clayey SAND [SM-SC]	26	10				
5 — X 6 — X 7 — X 8 — X 9 — X	1-1-2 2-2-4 2-4-6 2-4-7	3 6 10 11			Very loose to medium dense gray and orange clayey SAND [SC]						
10 — 11 — 12 — 13 — 14 — X 15 — X	2-3-6	9			Stiff orange and green fat CLAY [CH]						
					Boring Terminated at 15'						
						6)				



PROJECT NO: 0795.1400110.0000

REPORT NO .: 775047 PAGE: B-136

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION SEE BORING LOCATION PLAN

REMARKS: Shelby tube sample taken from 11' to 13'

BORING NO: C-2

SHEET:

1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 101.10

DATE STARTED: 5/6/08 DATE FINISHED: 5/6/08

WATER TABLE (ft): NE DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft):

EPTH M FT.)	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTER	RBERG IITS	K (FT./	ORG CON
F1.) L E	INCREMENT			0 0		(70)	(70)	LL	PI	ĎAY)	(%)
0			V		Description and CAND with all ICD CAN						
2 3	1-1-3 2-2-2	4			Brown poorly graded SAND, with silt [SP-SM] Loose orange clayey SAND [SC]	37	19				
4 5 6 7	2-2-3 2-4-6	5 10			Stiff gray and orange elastic SILT [MH]	63	33	52	21		
8 9 10	2-4-4 2-3-4	8 7			Loose gray and orange clayey SAND [SC]						
11 — 12 — 13 — 13 — 14 — 15 — 15 — 15 — 15 — 15 — 15 — 15					Stiff green and orange sandy fat CLAY [CH]	51	29	63	44		
14	1-3-5	8			Boring Terminated at 15'	01		101			
		- 1									



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 775047

PAGE: B-137

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN REMARKS:

BORING NO: C-3

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 106.23

DATE STARTED: 5/6/08

WATER TABLE (ft): NE.

DATE FINISHED: 5/6/08

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft):

DEPTH M P L E	BLOWS PER 6"	N VALUE	W.T.	S Y M B O	DESCRIPTION	-200 (%)	MC	ATTER	RBERG	K (FT./	ORG
(FT.)	INCREMENT			O L	DESCRIPTION TO STATE OF THE PROPERTY OF THE PR	(%)	(%)	LL	PI	DAY)	CONT (%)
0 1 - 2 - X	1-2-3	5	又	1.11	Loose brown poorly graded SAND, with silt [SP-SM]						
3 — X 4 — X 5 — X	1-2-3 2-2-3	5 5	N LAND		Loose to very loose orange clayey SAND [SC]						
6 — X 7 — X 8 — X	1-2-3 1-2-3	5 5									
9 — X 10 — 11 —	2-3-4	7	-				,		-		
12 — 13 — 14 — 15	1-1-1	2									
15					Boring Terminated at 15'						
						1					



PROJECT NO.: 0795.1400110_0000

REPORT NO.: 775047

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND $U_{\alpha}S_{\alpha}$ HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: C-4

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 132.61

1

DATE STARTED: 5/7/08

WATER TABLE (ft): NE

DATE FINISHED: 5/7/08

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST_WSWT (ft): 0.5 TYPE OF SAMPLING: ASTM D-1586

EPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTEI	RBERG IITS	K (FT./	ORG.
(FT.) P L E	INCREMENT			O L		(%)	(70)	LL	PI	ĎAY)	(%)
0			V	300	Brown poorly graded SAND, with silt [SP-SM]						
1 2—X	1-2-3	5		111	Loose to very loose orange and gray clayey						
3-	2-1-1	2		111	SAND [SC]						
4				111		47	38				
6	1-1-2	3		///	0.64.6						
7-0	1-2-3	5			Soft to firm gray and orange sandy lean CLAY [CL]						
8 -	2-3-4	7			Firm to soft green and orange fat CLAY [CH]	1					N.
10	2-4-4	8									
11 —											
13											
14 — X	1-2-2	4									
15 16											
17 —				///	Loose gray clayey SAND [SC]	+					
18 — 19 — X				1//	Esses gray stayey or the [ess]						
20	3-4-4	8	0	111	Boring Terminated at 20'			(-			
					Boring Terminated at 20						
- 44											
10											
1.1											
- 1/1											
- 1/1											
11											
- 11		/									
- 4.1		1									
				. 1							
- 1/4											
- 10											
	(



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.
LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: C-5

SHEET: 1 of 1

SECTION: 15/16 T

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 139_50

DATE STARTED: 5/7/08 DATE FINISHED: 5/7/08

WATER TABLE (ft): NE

DRILLED BY: J. STILLSON

						EST_WSWT (f			ORILLEL OF SA		J. STILL : ASTM D	
DEPTH (FT.)	S A M P	BLOWS PER 6"	N VALUE	w.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)		RBERG MITS	K (FT./	ORG.
(1.7	E	INCREMENT			O L		(70)	(70)	LL	PI	DAY)	(%)
0 — 1 — 2 — 3 —	X	1-1-1	2	又	1 1	Very loose brown poorly graded SAND, with silt [SP-SM] Very loose to loose orange and gray clayey						
4 — 5 — 6 —		2-4-4 2-4-5 2-3-5	8 9 8			SAND [SC] Loose gray and orange clayey SAND [SC]		Mannah,				
8 — 9 — 10 —	X	2-3-5 2-3-4	8 7			Loose gray and orange clayey SAND [SC]						
11 — 12 — 13 — 14 — 15 — 16 —	X	2-3-4	7			Firm green and orange fat CLAY [CH]			i i			G
17 — 18 — 19 — 20 —	X	5-5-6	11			Stiff green fat CLAY [CH] Boring Terminated at 20'						



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.
LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: C-6

SHEET: 1 of 1

SECTION: 15/16 To

TOWNSHIP: 8S RANGE: 18E

GS ELEVATION(ft): 139.41

DATE STARTED: 5/7/08

WATER TABLE (ft): NE

DATE FINISHED: 5/7/08

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft):

DEPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	МС	ATTER	RBERG	K (FT_/	ORG CON
(FT.) P L E	INCREMENT	VALUE	VV.I.	B O L	DESCRIPTION	(%)	(%)	LL	PI	DAY)	(%)
0- 1- 2-X	1-1-2	3	又	i í	Very loose brown poorly graded SAND, with silt [SP-SM]	12	7				
3-	1-1-2	3			Very loose silty SAND [SM]	17	15				
5 — X 6 — X	2-1-2	3		w5 a f	Very loose tan poorly graded SAND [SP]		-				
7 8	1-2-2 2-3-3	4 6			Loose tan clayey SAND [SC]						
9 — X	2-3-4	7		111	Loose gray and orange clayey SAND [SC]						
11 — 12 —					Stiff to very stiff green fat CLAY [CH]						
13 — 14 — X	2-3-4	7									
15 ————————————————————————————————————											
18 — 19 — X		100									
20	8-8-12	20		111	Boring Terminated at 20'						-
	H										
	l i										



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 775047 B-141 PAGE:

PROJECT: WALMART STORE NO. 3873-00

CPH ENGINEERS, INC.

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

CLIENT:

BORING NO: C-7

SHEET:

1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 135.90

DATE STARTED: 5/7/08

WATER TABLE (ft): NE

DATE FINISHED: 5/7/08 DRILLED BY: J. STILLSON

DATE OF READING: NA

EST. WSWT (ft):

DEPTH M (FT.) P L E	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	МС	ATTER	RBERG	K (FT/	ORG CONT
(FT.) P	INCREMENT	VALUE	00,1	B O L	DESCRIPTION	(%)	(%)	LL	PI	DAY)	(%)
0 — 1 — 2 — 3 — 4 — 5 — 6 — V	1-1-2 1-1-1 1-1-1	3 2 2	▽	A : f: f: ii ii : ii ii : ii	Very loose brown poorly graded SAND, with silt [SP-SM]						
7 — X 8 — X 9 — X 10 — 11 — 12 —	1-1-1 1-1-1 1-1-1	2 2 2				11	24				
13 — 14 — 15 —	1-2-3	5			Loose gray clayey SAND [SC]						
16 — 17 — 18 — 19 — 20 —	4-8-8	16		///	Medium dense gray poorly graded SAND [SP] Boring Terminated at 20'						



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: C-8

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8\$

RANGE: 18E

GS ELEVATION(ft): 134.60

DATE STARTED: 5/7/08

WATER TABLE (ft): NE

DATE FINISHED: 5/7/08

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft): 1

DEPTH M (FT.) P L E	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTER	RBERG IITS	K (FT./	ORG.
(I I.)	INCREMENT			Ŏ		(70)	(70)	LL	PI	DAY)	(%)
0 — 1 — X 2 — X 3 — X	1-1-1 1-2-2	2 4	又	1. T 1. T 1. T	Very loose brown poorly graded SAND, with silt [SP-SM]						
4 — X 5 — X 6 — X 7 — X	2-2-2 3-4-7	4 11			Very loose to medium dense orange clayey SAND [SC]			-			
8 — X 9 — X 10 — 11 —	4-6-9 5-9-9	15 18			Medium dense gray and orange clayey SAND [SC]			-			
12 — 13 — 14 — 15 —	7-7-8	15			Stiff orange and gray sandy lean CLAY [CL]						
16 — 17 — 18 — 19 — 20 —	2-3-6	9			Stiff green and orange sandy lean CLAY [CL] Boring Terminated at 20'						
									11 1		



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REPORT NO.: 775047

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: C-9

SHEET: 1 of 1

SECTION: 15/16 TO\

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 129.92

DATE STARTED: 5/7/08

WATER TABLE (ft): NE

DATE FINISHED: 5/7/08

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): 1

EPTH (FT.)	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTER	RBERG	K (FT_/	ORG CON
(F1.)	L INCREMEN	IT		O L		(70)	(70)	LL	PI	ĎAY)	(%)
0		1	又		Loose brown poorly graded SAND, with silt [SP-SM]						
3 - 4	3-4-3 5-8-6	7 14		111	Medium dense gray and orange clayey SAND						
5 — 6 —	4-3-5 6-7-8	8 15			Loose to medium dense orange and gray clayey SAND [SC]	47	19	Ť			
7 — (8 — 9 —	10-10-8	18			Stiff to very stiff green and orange sandy CLAY [CL]						
10 — 11 —	11-12-12	24	-		Very stiff green and orange fat CLAY [CH]						
12 — 13 — 14 — 15 —	4-6-8	14			Medium dense tan and orange clayey SAND [SC]			OV.			
16 — 17 — 18 —					Firm green and orange fat CLAY [CH]						
19 —	2-3-3	6	11 0		Boring Terminated at 20'		100	80000			
	4	The second									



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN REMARKS: Shelby tube sample taken from 15' to 17' BORING NO: C-10

TOWNSHIP: 8S

SHEET: 1 of 1

RANGE: 18E

GS ELEVATION(ft): 132.66

DATE STARTED: 5/7/08

WATER TABLE (ft): NE

DATE FINISHED: 5/7/08

DATE OF READING: NA

DRILLED BY: R. WOODARD

SECTION: 15/16

EST. WSWT (ft): 0.5 TYPE OF SAMPLING: ASTM D-1586

TH A	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	MC	ATTER	RBERG ITS	K (FT./	ORG CON
.) P L E	INCREMENT	VALUE	VV.1	B O L	DESCRIPTION	(%)	(%)	LL	PI	DAY)	(%)
0 —			V.	11/	Loose to medium dense brown and orange						
2-X	1-3-3	6		111	clayey SAND [SC]				- 1		
4 – X	4-5-6	11		111	Medium dense gray, tan and orange clayey						
5 — (4-4-6	10		111	SAND [SC]						
7-0	7-6-6	12		111							
	8-8-7 9-9-9	15 18		111							
0	9-9-9	10		111							
2-				///	Stiff to firm green and orange fat CLAY [CH]	1					
3- 4-\	2-4-5	9	1								
5 —	2-4-3	9	E			92	53	155	124		
7 —	2										
3-7	2-2-3	_	1 8								
	2-2-3	5		///	Boring Terminated at 20'						
- 1/4								1			
-10											
-11/1											
-14											
				- 1							



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 775047

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: C-11

SHEET:

: 1 of 1

SECTION: 15/16 TO

TOWNSHIP: 8\$

RANGE: 18E

GS ELEVATION(ft): 139.21

DATE STARTED: 5/7/08

WATER TABLE (ft): NE

DATE FINISHED: 5/7/08

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST_WSWT (ft): 1

EPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	MC	ATTEI	RBERG MITS	K (FT./	ORG, CONT
FT.) P L E	INCREMENT			ÖL		(%)	(%)	LL	PI	DAY)	(%)
0-			又	TE C	Loose brown poorly graded SAND, with silt						
2-X	1-2-3	5		111	[SP-SM] Loose to medium dense brown and orange						
3 – X	4-5-7	12		22	clayey SAND [SC]						
5 — X	7-7-9	16	100	111	Medium dense gray, orange and tan clayey SAND [SC]			Ĺ			
7-8	9-7-7 8-9-7	14 16			Stiff to very stiff gray and orange sandy lean	-					
9 — 😾	8-9-9	18			CLAY [CL]						
10 —		U SELLOUP						1			1
12 — 13 —					Firm green and orange fat CLAY [CH]						
14 —	2-3-4	7						<u> </u>			
16 — 17 —											
18 —											
19 X	2-3-4	7			Boring Terminated at 20'	200		1			8
					Donnig Terminated at 20						
								l.			
				Ш				1			
	l li										
- 10											
1.0											
	, l										



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: C-12

SHEET: 1 of 1

SECTION: 15/16 To

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 140.38

DATE STARTED: 5/7/08

WATER TABLE (ft): NE

DATE FINISHED: 5/7/08

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): 1

EPTH M (FT.)	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	MC	ATTEI	RBERG MITS	K (FT./	ORG CON
(F1.) L E	INCREMENT			O L		(%)	(%)	LL	PI	DAY)	(%)
0			又	3.30	Loose light brown poorly graded SAND, with silt						
2	1-2-2	4		1)	[SP-SM]						
3 4	3-4-4	8			Loose brown poorly graded SAND, with trace of clay [SP-SC]						
5 - X	3-4-4	8	0	111	Loose to medium dense brown and orange clayey SAND [SC]			-			-
6 📉	7-7-8	15			Medium dense gray, orange and tan clayey SAND, with lenses of clay [SC]						
8 9	9-10-9	19		111	SAND, with lenses of clay [SC]						
10	7-8-7	15		///		-					
11 —				111	Stiff green and orange fat CLAY [CH]						
13	100				our groom and orange rate of the [ev.]						
14 15	3-4-5	9									
16 — 17 —											
18					Stiff green fat CLAY [CH]						
19 20	3-4-4	8									,
177					Boring Terminated at 20'						
		()									
1/4											
1.1											
- 11											
- 11.1				1 1							
- 11-1											
- 11											
- 11	1										
- 11											
- 11											
- 11	1										
			1		/ 1						
	1			1				1			



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC. CLIENT:

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: C-13

SHEET:

1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 140.67

DATE STARTED: 5/7/08 DATE FINISHED: 5/7/08

WATER TABLE (ft): NE DATE OF READING: NA

DRILLED BY: R. WOODARD

EST_WSWT (ft):

EPTH	A	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	мс	ATTER	RBERG	K (FT./	ORG CON
EPTH (L	INCREMENT	VALUE	VV.1-	B O L	BESSKII TION	(%)	(%)	LL	PI	DAY)	(%)
0 -				又	4:1	Very loose light brown poorly graded SAND, with						
2-2	\langle	1-1-2	3		1//	silt [SP-SM] Very loose to medium dense brown clayey SAND						
3	X	4-6-5	11		111	[SC]	24	14				
5 — 6 —	K	3-4-7	11	-	111	Medium dense orange and tan clayey SAND [SC]						
7 — K	(7-6-6 8-8-7	12		122							
8 —	5	8-8-7	15 15		11/	0.4.						
10 —	1	0.0-1	10		111	61010		0				
12 — 13 —	1					Stiff to firm orange and green fat CLAY, with sand [CH]						
14 -	7	2-3-5	8			X						
15 — 16 —	1											
17 — 18 —												
19 - 20	1	2-3-3	6									
20						Boring Terminated at 20'						
	VI.											
	1											
	V		1									
- 1	1.								1			



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

LOCATION: SEE BORING LOCATION PLAN

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC.

REMARKS:

CLIENT:

BORING NO: C-14

SHEET: 1 of 1

SECTION: 15/16 TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 139.99

DATE STARTED: 5/6/08

WATER TABLE (ft): NE

DATE FINISHED: 5/6/08

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST, WSWT (ft): 1

DEPTH M	BLOWS PER 6"	N VALUE	W,T.	S Y M	DESCRIPTION	-200	МС	ATTER	RBERG IITS	K (FT./	ORG
(FT.) P	INCREMENT	VALUE		B O L	BESSKII TIEK	(%)	(%)	LL	PI	DAY)	(%)
0 — 1 — 2 — X	1-2-2	4	又	1	Loose brown poorly graded SAND, with trace of clay [SP-SC]						
3-4-	2-2-3	5		111	Loose brown and orange clayey SAND [SC]						
5 — X 6 — X 7 — X	4-4-4 5-5-6 6-7-6	8 11 13			Loose to medium dense gray, tan and orange clayey SAND [SC]						
9 - 10	7-8-9	17			Medium dense orange and tan sandy lean CLAY [CL]			1			
11 — 12 — 13 — 14 — X					Stiff to firm green and orange fat CLAY [CH]						
15 — 16 — 17 —	3-3-5	8									
18 — 19 — 20 —	2-3-4	7			Boring Terminated at 20'			V			



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 775047

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

LOCATION: SEE BORING LOCATION PLAN

CPH ENGINEERS, INC.

REMARKS:

CLIENT:

BORING NO: C-15

SHEET: 1 of 1

...

RANGE: 18E

GS ELEVATION(ft): 138,06

TOWNSHIP: 8S

DATE STARTED: 5/6/08

WATER TABLE (ft): NE

SECTION: 15/16

DATE FINISHED: 5/6/08

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): 0.5

DEPTH M (FT.) P L E	BLOWS PER 6"	N VALUE	\\\ T	S Y M B	DESCRIPTION	-200	МС	ATTER	RBERG IITS	K (FT/	ORG CONT
(FT.)	INCREMENT	VALUE		B O L	BESSKII HON	(%)	(%)	LL	PI	DAY)	(%)
0-			V		Loose to medium dense brown and orange						
2 — X 3 — X	2-2-3	5			clayey SAND [SC]						
4-(-)	5-5-6	11		111	Very stiff tan, gray and orange sandy lean CLAY	54	28				
5 — X	6-8-8 9-7-7	16 14			[CL]	54	28				
7 8	10-10-6	16									
9-	8-9-8	17									
11 — 12 —					Stiff to firm green and orange fat CLAY, with	3					
13 — 14 — X	3-4-5	9			sand [CH]						
15 — 16 —	3-4-5	9									
17 — 18 —											
19 — X	2-2-3	5									
					Boring Terminated at 20'						
- 44											
- 13											
- 11											
- 1/1											
70.1	1										
- 0.1											
	1	1									
								4			



PROJECT NO,: 0795_1400110.0000

REPORT NO.: 775047

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PROJECT: WALMART STORE NO. 3873-00

CPH ENGINEERS, INC.

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

CLIENT:

BORING NO: C-16

TOWNSHIP: 8S

SHEET: RANGE:

неет: 1 **of** 1

18E

GS ELEVATION(ft): 133,94

SECTION: 15/16

DATE STARTED: 5/6/08

WATER TABLE (ft): NE

DATE FINISHED: 5/6/08

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): 0

PTH M T.)	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)		RBERG	K (FT./	ORG
1.) L E	INCREMENT			l o		(70)	(70)	LL	PI	DAY)	(%)
0			V	1111	Stiff brown and orange fat CLAY, with sand [CH]						
1 2	2-3-5	8			Sun brown and orange fat CEAT, with sand [Chi]	56	20	51	26		
3-\	3-4-5	9			Stiff gray, orange and brown sandy lean CLAY	d.					
5	3-4-5	9			[CL] Loose to medium dense tan, orange and gray	51	25				
6	5-3-4	7		1//	clayey SAND [SC]						
8-8	6-6-5	11		111	Stiff to firm green and orange fat CLAY [CH]						
9 🗡	5-6-7	13									k i
1 —											
13 —											
4 5	3-4-5	9			L						
6 —											
8 —											
9 🗡	2-3-4	7		///	Boring Terminated at 20'		-	-			k.
					Borning Terminiated at 20						
- 11											
				1 1							
- 11											
						(
						(
								I			1



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: C-17

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 131.30

DATE STARTED: 5/6/08

WATER TABLE (ft): NE

DATE FINISHED: 5/6/08

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): 0

DEPTH M P L E	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC	ATTER	RBERG	K (FT/	ORG
(FT.)	INCREMENT	VALUE		B O L	BESSIAI TION	(%)	(%)	LL	PI	DAY)	(%)
0	4-6-7 4-6-8	13 14	▽		Stiff brown and orange sandy lean CLAY [CL]	56	23	45	18		
4 — 5 — 5 — 7 — 8 — 8 — 9 — 9 — 9	4-6-6 7-6-7 7-8-7 8-7-8	12 13 15			Medium dense tan and orange clayey SAND; with lenses of clay [SC]						0.01000
10 — 11 — 12 — 13 — 14 — 15	2-3-4	7			Firm green and orange fat CLAY, with sand [CH]						
					Boring Terminated at 15'						



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC. CLIENT: LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: C-18

SHEET:

1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 129.96

DATE STARTED: 5/6/08

WATER TABLE (ft): NE

DATE FINISHED: 5/6/08

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft):

EPTH M (FT.)	BLOWS PER 6"	N VALUE	W,T.	S Y M B	DESCRIPTION	-200 (%)	MC	ATTER	RBERG	K (FT_/	ORG CON (%)
(F1.) L E	INCREMENT			0		(%)	(%)	LL	PI	DAY)	(%)
0 — 1 — 2 — X	1-5-6	11	▽		Stiff brown and orange sandy lean CLAY [CL]	51	27	45	21		
3 — X 4 — X 5 — X 6 — X	4-5-6 5-6-7	11 13			Stiff light brown, orange and tan sandy lean CLAY [CL]			,			
7 8 9	8-7-7 8-9-9	14 18			Medium dense orange and tan clayey SAND, with lenses of clay [SC]						
10 — 11 — 12 —	8-8-8	16	-		Stiff to firm green and orange fat CLAY, with sand [CH]		100				
13 — 14 — 15 —	2-3-4	7			Boring Terminated at 15'						
) ()					
						1		11			1



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS: Shelby tube sample taken from 10' to 12'

BORING NO: C-19

1 of 1 SHEET:

18E

SECTION: 15/16

TOWNSHIP: 8S

RANGE:

GS ELEVATION(ft): 128.97

DATE STARTED: 5/6/08

WATER TABLE (ft): NE

DATE FINISHED: 5/6/08

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): 0.5

DEPTH M (FT.) P L	BLOWS PER 6"	N VALUE	w.T.	S Y M B	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT_/	ORG CONT
(FT.) PLE	INCREMENT			O F		(%)	(%)	LL	PI	DAY)	(%)
0 — 1 — 2 — 3 — 4 —	1-3-6 5-6-6	9	≖		Loose to medium dense brown, orange and tan clayey SAND [SC]						
5 — X 6 — X 7 — X 8 — X 9 — X	7-6-8 8-5-6 6-6-5	14 11 11			Medium dense green and orange SILT [MH]	86	48	92	49		
10 — 11 — 12 — 13 —	7-7-6	13			Stiff green and orange fat CLAY, with sand [CH]	84	44	122	99		
14 — 🗙	3-4-5	9		1.17	Loose tan clayey SAND [SC] Boring Terminated at 15'						



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: C-20

1 of 1 SHEET:

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 127.74

DATE STARTED: 5/6/08

WATER TABLE (ft): NE

DATE FINISHED: 5/6/08

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft):

DEPTH M (FT.) P L	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTE	RBERG MITS	K (FT/	ORG.
(FI.) L E	INCREMENT			Ö		(%)	(%)	LL	Pł	DAY)	CONT. (%)
0 — 1 — 2 — X 3 — X 4 — X 5 — X	2-3-4 5-5-6 8-9-8	7 11 17	▽		Firm to stiff brown, gray and orange sandy lean CLAY [CL] Stiff to firm green and orange fat CLAY, with	50	25				
6 — X 7 — X 8 — X 9 — X 10 — 11 — 12 — 13 — 13 —	7-5-5 6-6-5 6-5-6	10 11 11	9		Stiff to firm green and orange fat CLAY, with sand [CH]				0		0
14 — X 15 —	2-3-4	7			Boring Terminated at 15'						



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PROJECT: WALMART STORE NO. 3873-00

LOCATION: SEE BORING LOCATION PLAN

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC. CLIENT:

REMARKS:

BORING NO: C-21a

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 96.80

DATE STARTED: 5/5/08

WATER TABLE (ft): NE DATE OF READING: NA DATE FINISHED: 5/5/08 DRILLED BY: R. WOODARD

EST. WSWT (ft): 0.5 TYPE OF SAMPLING: ASTM D-1586

DEPTH M P L E	BLOWS PER 6"	N VALUE	w.t.	S Y M B	DESCRIPTION	-200	MC	ATTER	RBERG	K (FT./	ORG.
(FT.) P L E	INCREMENT	.,		O B	5255 AV 1.0.1	(%)	(%)	LL	PI	DAY)	(%)
0 1 2 3 4 5	1-1-0 WOH 1-1-0	1 WOH	✓		Very loose brown clayey SAND [SC]	23	11				
6 7 8 9	1-1-1 1-2-2	2 4			Very loose to medium dense brown clayey SAND [SC]						
10 11	3-5-6	11			Medium dense brown poorly graded SAND, with clay [SP-SC]	-/					
12 — 13 — 14 — 🗸	2-3-5	8			Loose brown clayey SAND [SC]						
15	2-3-3				Boring Terminated at 15'		1				



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REPORT NO.: 863725

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: C-21b

SHEET: 1 of 2

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 131.84

DATE STARTED: 6/17/09 DATE FINISHED: 6/17/09

WATER TABLE (ft): NE DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): 0

DEPTH M P L E	BLOWS PER 6"	N VALUE	W _z T _z	S Y M	DESCRIPTION	-200	MC (%)	ATTE	RBERG MITS	K (FT./	ORG. CONT (%)
(F1.) E	INCREMENT			B O L		(%)	(%)	LL	PI	DAY)	(%)
0			V		Loose brown and tan very clayey SAND [SC]						
2-	2-3-3	6									
3-\	3-4-5	9			Stiff to very stiff orange and tan sandy CLAY [CH]						
5—	5-6-9	15				63	51				
6	8-5-6	11									
8-\	8-8-8	16									
9 — 10	9-8-8	16			Very stiff						
11 —											
12 —					Stiff green CLAY [CH]						
14 —	2-3-5	8				93	53	91	61		
15 ————————————————————————————————————	200							2,	711		
17 —											
19 —					Firm						
20	2-3-4	7							V 10		
22 —					Loose light tan to white clayey SAND [SC]	-					
23 — V											
25	3-4-4	8									
26 — 27 —											
28 — 29 — V											
30	3-4-3	7		111				19			



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT:

CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: C-22a

TOWNSHIP: 8S

1 of 1 SHEET:

RANGE:

18E

GS ELEVATION(ft): 93.73

SECTION: 15/16

DATE STARTED: 5/5/08

WATER TABLE (ft): NE

DATE FINISHED: 5/5/08

DRILLED BY: R. WOODARD

DATE OF READING: NA EST. WSWT (ft): 1

DEPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200 (%)	МС	ATTER	RBERG ITS	K (FT/	ORG CON
/FT \ IPI	INCREMENT	VILOL		B O L	SECONII TICIN	(%)	(%)	LL	Pl	DAY)	(%)
0 — 1 — 2 — 3 —	1-2-2	4	__		Very loose brown poorly graded SAND, with clay [SP-SC] Very loose to loose brown clayey SAND [SC]						
5 — X 5 — X 6 — X 7 — X	1-1-2 2-2-3 2-2-2	3 5 4			Loose to medium dense tan clayey SAND [SC]			-			
8 — X 9 — X 10 — 11 —	3-4-6 6-7-7	10 14			Stiff green and orange fat CLAY, with sand and limestone [CH]						
12 — 13 — 14 — 15 —	50/1"	50/1"		H							
15					Boring Terminated at 15'						



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REPORT NO.: 863725

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: C-22b

SHEET: 1 of 2

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 134.53

DATE STARTED: 6/17/09 DATE FINISHED: 6/17/09

WATER TABLE (ft): 12
DATE OF READING: 6/17/09

DRILLED BY: R. WOODARD

EST_WSWT (ft):

DEPTH M (FT.) P L E	BLOWS PER 6"	N VALUE	W T_	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTER	RBERG IITS	K (FT/	ORG CONT
(1.)	INCREMENT			O L		(70)	(70)	LL	PI	ĎAY)	(%)
0					Very loose to medium dense brown and orange very clayey SAND [SC]						
3	1-1-2	3									
4	3-5-6	11									
5 6	5-6-8	14		111							
7	8-8-7	15									
8 — \	6-7-5	12				33	24	41	15		
10	6-6-8	14									
11 —			•		Firm green and orange CLAY [CH]						
13 — 14 — 15 — 16 —	2-3-4	7									
18 — 19 — 20 — 21 —	2-2-3	5			Firm	91	45	98	68		
22 — 23 — 24 — 25 — 26 —	3-4-5	9			Loose light tan to white clayey SAND [SC]						0
27 — 28 — 29 —					Medium dense tan to white SAND, with trace of clay [SP-SC]						
30	4-5-6	11		1							



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PROJECT: WALMART STORE NO 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.
LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **C-23**SECTION: 15/16 TOWNSHIP: 8S

SHEET:

RANGE: 18E

1 of 2

GS ELEVATION(ft): 136.48

DATE STARTED: 6/17/09

WATER TABLE (ft): NE

DATE FINISHED: 6/17/09

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft):

DEPTH M	BLOWS PER 6"	N VALUE	WT	S Y M	DESCRIPTION	-200	MC	ATTE	RBERG MITS	K (FT_/	ORG.
(FT.) PLE	INCREMENT		1000	B O L	BESSI WITHOUT	(%)	(%)	LL	PI	DAY)	CONT (%)
0 1					Loose to medium dense brown clayey SAND [SC]						
3 —	1-2-3	5			Medium dense gray and orange	41	21				
5	4-5-8 4-4-6	13				46	33				
6 - 7 - 	6-7-6	13			Stiff tan, gray and orange sandy CLAY [CL/CH]	53	45	49	25		
8	6-7-5	12	-3			55	45	49	25		
9 — X 10 — 11 —	5-6-7	13			Stiff	71	38	78	46		
12 — 13 — 14 — 15 — 16 — 17 —	1-3-4	7			Firm	93	57	113	71		
18 — 19 — 20 — 21 —	1-2-2	4			Loose light tan to white clayey SAND [SC]	37	29				
22 — 23 — 24 — 25 — 26 — 27 —	3-5-7	12			Medium dense	15	16				
28 — 29 — 30	4-5-6	11					21				



PROJECT NO.: 0795.1000100.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: C-24

TOWNSHIP: 8S

SHEET:

RANGE: 18E

1 of 2

GS ELEVATION(ft): 141.74

DATE STARTED: 6/17/09

WATER TABLE (ft): NE

DATE FINISHED: 6/17/09

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): 2

SECTION: 15/16

DEPTH M (FT.)	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	МС	ATTE	RBERG IITS	K (FT./	ORG CON
(FT.) P	INCREMENT	VALUE		B O L	BESONII NON	(%)	(%)	LL	PI	DAY)	(%)
0 —				2,753	Loose light brown SAND [SP]						
1-											
2-	1-2-3	5	모	111	Loose to medium dense brown and orange	4					
3-\	2-3-5	8	1		Loose to medium dense brown and orange clayey SAND [SC]						
5—	4-5-6	11				42	18	41	22		
6-											
7-	7-6-7	13									
8 — 🐧	6-7-6	13									
9 — \	6-7-7	14				48	23				
11 —											
12 —			3		Firm green and orange CLAY [CH]	10					
13 —											
14 —	224	7				92	54	04	62		
15 —	2-3-4	7				92	54	91	63		
16 — 17 —											
18 —											
19 - 🗸					Firm						
20	1-3-3	6									0 0
21 —											
22 —				111	Loose white clayey SAND [SC]						
24 — V			1	111							
25	3-5-4	9									,
26 —				111							
27 —				111							
28				111							
29 —	4-4-5	9		111							



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION SEE BORING LOCATION PLAN

REMARKS:

BORING NO: C-25

TOWNSHIP: 8S

SHEET:

EET: 1 of 2

18E

GS ELEVATION(ft): 137.41

DATE STARTED: 6/17/09

WATER TABLE (ft): 18

DATE FINISHED: 6/18/09

DATE OF READING: 6/17/09

DRILLED BY: R. WOODARD

RANGE:

EST. WSWT (ft):

SECTION: 15/16

EPTH A	BLOWS PER 6"	N VALUE	W T.	S Y M B	DESCRIPTION	-200	МС	ATTER	RBERG IITS	K (FT./	ORG CON
EPTH M (FT,) P L E	INCREMENT	VALUE	VV	B O L	DESCRIPTION	(%)	(%)	LL	PI	DAY)	(%)
0 —			V		Loose brown and orange clayey SAND [SC]						
1											
2 — A	1-2-2	4									
4	3-4-5	9				5					
5 —	4-5-7	12			Medium dense gray, orange and tan	38	24	36	12		
6-\											
7	9-6-4	10			Stiff greenish-gray sandy CLAY [CL/CH]						
8 - \ 9 - \ \	6-7-6	13									
10	7-7-7	14									
11 —					Firm green and orange CLAY, with trace of sand						
12 —					[СН]						
13											
14 — \	1-3-4	7			Firm						
16											
17 —											
18			_								
19 — 🗸	1-3-3	6			Firm						
21 —											
22					Loose to medium dense light tan to white clayey						
23					SAND [SC]						
24 —	2-4-4	8				31	22				
25 —						V 10-5-V 101					
27 —											
28 —											
29 —				111							
30	4-6-8	14		111							



PROJECT NO.: 0795.1000100.0000

REPORT NO.: 863725

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION; SEE BORING LOCATION PLAN

REMARKS:

BORING NO: C-26

SHEET: 1 of 2

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 130.21

DATE STARTED: 6/18/09

WATER TABLE (ft): NE

DATE FINISHED: 6/18/09

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): 5

DEPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	мс	ATTER	RBERG	K (FT./	ORG.
(FT.) P		VALUE	VV.I.	B O L	DESCRIPTION	(%)	(%)	LL	PI	DAY)	(%)
0 — 1 — 2 — X					Very loose brown SAND, with trace of clay [SP-SC]						
3-4-	1-1-1 WOH-1-2	3									
5 — X	1-1-2	3	모		Very loose tan SAND [SP]						0.00=0
6 — X	3-2-2	4			Very loose to medium dense brown clayey SAND [SC]	27	15				
8 — <u>/</u> 9 — V	4-5-4	9									
10 — 11 —	4-5-5	10	-					-			
12 — 13 — 14 — 15 —	2-2-3	5			Loose brown silty SAND, with trace of clay [SM]		1 1		o en es		v - 0
17 — 18 — 19 — 20 — 21 — 22 —	1-2-1	3			Very loose brown silty clayey SAND [SM-SC]	21	22				
23 — 24 — 25 — 26 — 27 —	2-3-4	7			Loose brown silty SAND, with trace of clay [SM]						
28 — 29 — 30 —	3-3-3	6									



PROJECT NO.: 0795_1000100.0000

REPORT NO.: 863725

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION SEE BORING LOCATION PLAN

REMARKS:

BORING NO: C-27

SHEET: 1 of 2

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 135.75

DATE STARTED: 6/18/09 DATE FINISHED: 6/18/09

WATER TABLE (ft): NE
DATE OF READING: NA

DRILLED BY: R. WOODARD

EST_WSWT (ft): 3

EPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	MC	ATTE	RBERG MITS	K (FT/	ORG CON
(FT.) P L E	INCREMENT			B O L		(%)	(%)	LL	PI	DAY)	CON ⁻ (%)
0 — 1 — 2 —	1-1-1	2			Very loose light brown SAND, with trace of clay [SP-SC]						
3 - \	WOH-2-2	4	┖		Loose gray and orange clayey SAND [SC]						
5 —	2-3-2	5						00.0000			
6 — X	3-4-4	8				27	40				
8-	6-6-5	11			Medium dense	37	19				
9 — X	6-8-8	16							9		
12 — 13 — 14 — 15 — 16 — 17 —	4-7-8	15			Medium dense						
18 — 19 — 20 — 21 —	2-4-5	9			Loose	40	24	46	28		
22 — 23 — 24 — 25 — 26 — 27 —	2-3-4	7			Firm to stiff green CLAY, with trace of sand [CH]						
28 — 29 — 30	4-5-6	11			Stiff						



PROJECT NO.: 0795 1000100 0000

REPORT NO : 863725

PAGE: B-164

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: C-28

SHEET: 1 of 2

SECTION: 15/16

TOWNSHIP: 8\$

RANGE: 18E

GS ELEVATION(ft): 139.11

DATE STARTED: 6/18/09

WATER TABLE (ft): NE

DATE FINISHED: 6/18/09
DRILLED BY: R. WOODARD

DATE OF READING: NA EST. WSWT (ft): 3

DEPTH M	BLOWS PER 6"	N VALUE	w.T.	S Y M B	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT./	ORG CON
(FT.) P L E	INCREMENT			OF		(%)	(%)	LL	PI	DAY)	(%)
0 — 1 — 2 — X	1-1-1	2			Very loose brown SAND, with trace of clay [SP-SC]						
3 —			又								
4	2-2-2	4	2		Loose tan and orange clayey SAND, with sandstone [SC]						
5 — A	3-3-3	6			salidatolie [90]	A					
7	3-4-5	9									
8 —	6-8-6	14			Medium dense light gray						
9 - 10 -	6-8-7	15			Medium dense orange and tan	43	17	36	20		
11 — 12 — 13 — 14 — 15	6-7-9	16			Very stiff orange and green CLAY, with trace of sand and limestone [CH]						ķ.
17 — 18 — 19 — 20 — 21 —	3-5-4	9			Stiff green and orange CLAY [CH]						
22 — 23 — 24 — 25 — 26 —	3-4-4	8			Stiff green	95	101	136	99		000
27 — 28 — 29 — 30	3-5-5	10									



PROJECT NO.: 0795 1000100 0000

REPORT NO.: 863725
PAGE: B-165

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: C-29

SHEET: 1 of 2

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 141.23

DATE STARTED: 6/18/09 DATE FINISHED: 6/18/09

WATER TABLE (ft): NE DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): 5

DEPTH M (FT.) P L	BLOWS PER 6"	N VALUE	WT	S Y M	DESCRIPTION	-200	МС	ATTEI	RBERG MITS	K (FT./	ORG CONT
(FT.) P L E	INCREMENT	VALUE		B O L	DEGGNII FIGN	(%)	(%)	LL	PI	DAY)	(%)
0 1 2					Very loose light brown SAND, with trace of clay [SP-SC]						
3-	1-1-1	2									
5	2-1-2	3	▽	1 1	Very loose to loose light brown SAND, with silt and clay [SP-SM]						
6-	1-2-1 2-3-4	7			Loose to medium dense brown silty SAND, with	-					
8 —	7-9-6	15	1 1		trace of clay [SM]						
9 10	7-6-5	11			Medium dense light gray clayey SAND, with lenses of clay [SC]	35	18				
12 — 13 — 14 — 15 — 16 — 17 — 18 —	3-4-6	10				47	21	49	31		
19 — X 20 — 21 —	3-4-5	9			Loose green	42	43	49	30		
22 — 23 — 24 — 25 — 26 — 27 —	4-5-6	11			Stiff green and orange CLAY [CH]						
28 — 29 — 30	3-4-6	10									



PROJECT NO,: 0795,1400110.0000

REPORT NO .: 1211903 PAGE: B-166

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: GB-1

SHEET:

1 of 2

SECTION: 15,16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): +130(EST) DATE STARTED: 1/17/06

DATE FINISHED: 1/17/06

WATER TABLE (ft): NE

DATE OF READING: NA

DRILLED BY: D.B/T.S.

EST. WSWT (ft): NA

DEPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	МС		RBERG	K (FT/	ORG CON1
(FT.) P L E	INCREMENT	VALUE	VV3.15	B O L	BESCHI HON	(%)	(%)	LL	PI	DAY)	(%)
0				111	Very loose brown clayey SAND [SC]						
1 2 X	0-1-2	3		1111	Soft green-gray and red-brown CLAY, with trace						
3 - 🗙	2-3-4	7			of sand and limestone fragments in upper 18 inches [CH]						
5	4-4-6	10	1 8		Stiff::.						
6-X	2-4-3	7	1		Medium						
7 8	2-4-3	5	E								
9	1	2			Medium						
10	2-1-2	3	1 8		Soft, with trace of limestone fragments			1			
11 —											
13 —			E								
14 X	1-2-2	4			Soft						
16			E								
17			1								
18 — 19 — 🗸	1000										
20	2-3-4	7	E		Medium						
21 —											
23				114							
24 - 🗸	2-3-5	8	8		Medium greenish-gray sandy to very sandy CLAY [CL]						
25 — 26 —		0.00			on [on]				77 = 11		
27			E		7						
28											
29 30	3-4-4	8			Medium					9	
31			E								
32 — 33 —					(4)				1		
34 — 🗸	3-3-5	8	8		Medium						
35	3-3-3	0	1		Wedium.				1100		
36 — 37 —			E								
38											
39 X	3-2-2	4	8		Soft						
41			1								
42			8								
43		.2.	E								
45	0-0-0	0	1		Very soft						
46 47			E	11/							
48				11/	T LIMEOTONIE						
49 —	12-32-15	47	E		Tan LIMESTONE						
50 51		100			(100% Loss of drilling fluid circulation at 50'					1	
52 —					depth) (Moderately to well-cemented limestone matrix						
53			F	H	encountered from 48' to 100' depth)						
54 55	30-45-50/3"	50/3"									



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

PAGE: B-167

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

BORING NO: GB-1

SHEET: 2 of 2

SECTION: 15,16

TOWNSHIP: 8S

RANGE: 18E

DEPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	MC	ATTE	RBERG IITS	K (FT./	ORG.
(FT.) P L E	INCREMENT	VALUE		B O L	DEGGINI HON	(%)	(%)	LL	PI	DAY)	(%)
55 — 56 —											
57 — 58 — 59 —											
60 61	13-23-19	42	0.50				0				
62 — 63 —				茸							
64 65 66	19-17-18	35		丑							
67 68				五							
69 70	14-15-16	31		丑							
71 — 72 — 73 —				王							
74 75	9-10-12	22									urrrrr
76 — 77 —											
78 79 80	20-27-26	53		\pm							
81 — 82 —				丑							
83 84	27-34-43	77		王							
85 86 87	2. 01.10			王							
88 89	40.40.44	07									
90 91	18-16-11	27							0		
92 — 93 — 94 —											
95 96	11-11-8	19							taa ma		
97 98				士							
100	5-10-6	16		Bo	oring terminated at 100'						
		_ [



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: GB-2

SHEET:

1 of 2

SECTION: 15,16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): +132(EST) DATE STARTED: 1/16/06 WATER TABLE (ft): NE

DATE FINISHED: 1/16/06

DATE OF READING: NA

DRILLED BY:

D.B./T.S.

EST. WSWT (ft):

DEPTH M	BLOWS PER 6"	N VALUE	w.T.	S Y M	DESCRIPTION	-200	мс		RBERG	K (FT/	ORG CONT
(FT.) P	INCREMENT	VALUE		B O L	BECOM HON	(%)	(%)	LL	PI	DAY)	(%)
0				5,800	Very loose brown SAND [SP], with trace of						
2 - X	2-1-2	3		777	limestone fragments Soft brown and red-brown CLAY, with trace of						
3 - X	2-3-5	8			limestone fragments and sand [CH]			1			
5 — X	2-2-3	5			Medium:	1					1
6 7	2-2-3	5			Medium						
8 – X	2-2-3	5			Medium						
9	2-2-2	4			Soft						
11											
12 — 13 —											
14	1-2-2	4			Soft						
15 16					3	1					
17 — 18 —											
19 — 🗸	2-2-3				Madium links many many with trans of linearing						
20	2-2-3	5			Medium light green-gray, with trace of limestone fragments						
22	/				Medium light green-gray sandy CLAY [CL]						
23 — 24 — 🗸		100									
25	2-3-4	7	8					((1000
26 — 27 —											
28 —				11	Loose light green-gray clayey SAND [SC]						
29 30	2-3-4	7	1	11		damen's					
31 —				11							
32 — 33 —				//							
34	3-3-2	5		//	Loose						
35 36				//							
37				//							
38 — 39 — X	000		1	//	Variable						
40 41	0-0-0	0		//	Very loose			1 1	2-1	-	
42			1	//							
43				//							
45	1/12"	1/12"		//	Very loose				61016		
46 47			_		Tan LIMESTONE						
48			130	中							
49 50	50/6"	50/6"		口	(100% Loss of drilling fluid circulation at 50						
51				口	depth) (Moderately to well-cemented limestone matrix						
52 — 53 —				Ц	encountered from 46' to 100' depth)						
54	50/5"	50/5"		口							
55	55.5	33.0		1							



PROJECT NO: 0795.1400110.0000

REPORT NO.: 1211903

PAGE: B-169

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

BORING NO: **GB-2**

SHEET: 2 of 2

SECTION: 15,16

TOWNSHIP: 8S

RANGE: 18E

DEPTH M (FT.) P L	BLOWS PER 6"	N VALUE	S Y W.T. M	DESCRIPTION	-200	MC	ATTE	RBERG IITS	K (FT./	ORG.
(FT.) PLE	INCREMENT	VALUE	W, I B O L	DESCRIPTION	(%)	(%)	LL	PI	DAY)	(%)
55 56										
57 — 58 — 59 —			井							
60 - 61 -	10-14-16	30	自由				-	-		
62 63 64		202								
65 66	1-13-26	39	甘			0.000	00000			
67 — 68 — 69 — 🗸										
70 71	15-15-14	29				~~~~				
72 — 73 — 74 — 🗸		26.	甘							
75 76	13-14-14	28								
77 — 78 — 79 — 🗸										
80 81	18-18-24	42)				
82 83 84										
85 86	20-28-40	68								
87 88 89	20.40.40		日日							
90 91	22-13-13	26								
92 — 93 — 94 —	40.40.40	20								
95 96 97	16-16-12	28								
98 —	42.40.47	20								
99	13-19-17	36		ring terminated at 100'	e commu		1			01



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT:

CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: GB-3

1 of 1 SHEET:

SECTION: 15,16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): +121(EST) DATE STARTED: 1/10/06

WATER TABLE (ft): NE

DATE FINISHED: 1/11/06

DATE OF READING: NA

NA

DRILLED BY: R. WOODARD

EST. WSWT (ft):

M P L E	BLOWS PER 6" INCREMENT	N VALUE	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	S Y M B O L	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		к	ORG.
			W.T.					LL	PI	(FT./ DAY)	CONT (%)
					Very loose gray silty SAND [SM]						
X	0-0-1	1	1		Loose brown and orange very clayey SAND [SC]						
X	1-3-4	7	1	11	Medium gray and orange sandy CLAY [CL]						
X	3-4-4	8	1					-			
\Diamond	7-6-8	14	1 8		Stiff						
K	9-9-8	17			Very stiff green, orange and gray CLAY [CH]						
4	8-8-8	16			Very stiff			4			
					AA I'						
1				11	Medium tan clayey SAND [SC]						
¥	2-4-7	11		1/		,		-			
				3/							
Ų,	4-5-7	12		11	Medium,						
1				//							
				//							
	3-4-5	9		//	Loose						
				11							
				//							
1	7-5-4	9		11	Loose						
		380	1	//							
I			8	11	-						
1	6-50/1/2"	50/1⁄2"	-	1	Tan LIMESTONE						
Ì			E		(100% Loss of drilling fluid circulation at 35', 41.5'						
1			1		and 50' depths)						
7	5-3-9	12		Ц							
1	3-3-3	-12-	-	Ц							
1				中	(Porous to very porous limestone matrix from 34' to 53' depth)	1					
7	44.40.0			中							
1	11-43-8	51	To pue			-		(V			
				F							
7		25.0		F							
7	16-29-3	32		\perp				(1 = =1)	0.00	· · · · · · · · · · · · · · · · · · ·	
	19			I							
					Boring terminated at 53' due to very hard						
		- 1			limestone, 2 hours to drill 2 feet						



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903 PAGE: B-171

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC... CLIENT: LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **GB-4**

SHEET:

TOWNSHIP: 8S

RANGE: 18E

1 of 2

GS ELEVATION(ft): +120(EST) DATE STARTED: 1/3/06

WATER TABLE (ft): 49

DATE FINISHED: 1/4/06

DATE OF READING: 1/4/06

DRILLED BY: R. WOODARD

EST. WSWT (ft):

SECTION: 15,16

PTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	МС		RBERG	K (FT./	OR CO
FT.) P	INCREMENT	VALUE	VV.12	B O L	BESSIAI HOI	(%)	(%)	LL	PI	DAY)	(9
0			1	11	Very loose brown and orange clayey SAND [SC]						
2 -X	1-2-2	4	1 8	12							
3 - X	2-3-4	7		11	Loose						
5 - X	3-4-5	9	1	11	Loose gray; orange and tan				()\		
6 X	5-5-5	10	1	11	Loose						
8 — X	6-7-7	14			Stiff light green and orange CLAY, with trace of sand [CH]						
10	8-9-9	18			Very stiff						
11 —											
13											
14 X	1-2-3	5			Medium,.						
16					7						
17 — 18 —					Be 1 1 1						
19 20	1-2-3	5			Medium						
21 —			1		Loose light tan to white clayey SAND [SC]						
22 —				11	Loose light tan to write clayey SAND [SC]						
24	4-5-6	11	1	22	Medium						
25 26	400		1	22	Wediani				7		
27			8	//							
28 — 29 — X			1	//							
30	3-4-5	9	1	11	Loose	1			10000		
31 — 32 —			8	//							
33 —				//							
35	1-2-2	4	Ż	11	Soft light brown sandy CLAY [CL]			-			
36 — 37 —				//	Very loose tan and orange very clayey SAND						
38				11	[SC], with trace of limestone fragments						
39 40	0-0-0	0		//							
41					(100 Loss of drilling fluid circulation at 36.5'						
42 - 43 -					depth)						
44 — 🗙	0-0-8	8		//	Tan LIMESTONE				6		
46				I	Tall Clivies Tolke						
47 — 48 —											
49	12-28-36	64	▼	T							
50	.2 25 55			Т							
52											
53 — 54 — X	22.20.44	40			(100 Loss of drilling fluid circulation at 45' and 53'						
55	22-38-14	42		1	depths)				-		



PROJECT NO,: 0795.1400110.0000

REPORT NO.: 1211903

PAGE: B-172

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA BORING NO: **GB-4**

SHEET: 2 of 2

SECTION: 15,16

TOWNSHIP: 8S

DEPTH M (FT.) P L	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	MC	ATTEI	RBERG MITS	K (FT./	ORG.
(FT.) PLE	INCREMENT			B O L		(%)	(%)	LL	PI	DAY)	(%)
55 56 57 58 59 60 61 62	12-19-12	31									
63 — 64 — 65 — 66 —	14-16-19	35		甘				,,			
67 68 69 70 71 72	12-18-28	46		芸芸	(Moderately to well-cemented limestone matrix encountered from 44' to 100' depth)						
73 — 74 — 75 — 76 —	21-22-29	51		主							0
77 — 78 — 79 — 80 — 81 —	31-45-30	95		H					,		
82 — 83 — 84 — 85 — 86 —	20-15-19	34									
87 88 89 90 91 92	22-21-31	52									
93 94 95 96	14-17-17	34									
97 98 99 100	12-14-16	30			Boring Terminated at 100'						



PROJECT NO.: 0795_1400110_0000

REPORT NO .: 1211903 PAGE: B-173

PROJECT: WALMART STORE NO. 3873-00

LOCATION: SEE BORING LOCATION PLAN

CPH ENGINEERS, INC.

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

REMARKS:

CLIENT:

BORING NO: **GB-5**

1 of 2 SHEET:

SECTION: 15,16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): +118(EST) DATE STARTED: 1/4/06

WATER TABLE (ft): NE DATE OF READING: NA

DRILLED BY: R. WOODARD

DATE FINISHED: 1/5/06

EST. WSWT (ft):	NA	TYPE OF SAMPLING: ASTM D-1586

DEPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	MC		RBERG IITS	K (FT./	ORG CON
FT.) P	INCREMENT	***************************************		ВОЬ	BESSIN MEN	(%)	(%)	LL	PI	DAY)	(%)
0-				111	Loose brown clayey SAND [SC]						
1 - X	1-2-3	5	1 6		Loose brown dayey of the [con						
3 - 🛛	3-4-5	9		///	Loose						
5 — X	3-3-5	8	1 8	111	Loose brown and gray						
6	5-4-4	8		111							
8 –X	6-6-5	11			Medium gray and orange slightly clayey SAND [SM]						
9 — X 10 —	5-7-8	15			Medium orange and gray clayey SAND [SC]			-			
11 — 12 —				111	Medium green and orange CLAY [CH]						
13 — 14 — 🗸											
15	2-2-3	5						-			(Y
16 — 17 —											
18 — V											
20	1-3-5	8			Loose light tan to white slightly clayey SAND [SM]		0.00	X .			(1)
21 —				1							
23 —			E		Medium green and orange CLAY, with lenses of sand [CH]						
24 — X 25 — X	2-2-4	6	1				0 00	0000			
26 — 27 —					Loose light tan to white and brown slightly clayey						
28 —					SAND [ŠM]						
29 — X	2-3-4	7	-		Loose		W = L	0			
31 — 32 —											
33 —											
34 — X 35 — X	4-5-6	11			Medium						
36 — 37 —					Tan LIMESTONE (100 Loss of drilling fluid circulation at 36.5'						
38 —			E		depth)						
39 — X	50/4"	50/4"		T							
41											
42 — 43 —					(Moderately to well-cemented limestone matrix encountered from 36' to 100' depth)						
44 — 🗙	18-17-23	40		H	encountered from 30 to 100 depth)						
46 —			F	H							
47 — 48 —			F	T							
49 — 🗸	9-10-23	33									
50 — 51 —		1 1991	-								
52 — 53 —											
54 —	4-8-6	14									
55			1.00	1				1			



PROJECT NO.: 0795.1400110.0000

PAGE: B-174

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA BORING NO: GB-5

SHEET: 2 of 2

SECTION: 15,16

TOWNSHIP: 8S

DEPTH M P L E	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	200	MC	ATTER	RBERG NTS	K (FT_/	ORG.
(F1.)	INCREMENT			O L		(%)	(%)	LL	PI	DAY)	(%)
55 56 57 58 59 60 61	11-16-10	26				-1					
62 — 63 — 64 — 65 — 66 —	10-14-14	28									
67 68 69 70 71 72	21-23-10	33		井井							
73 — 74 — 75 — 76 — 77 —	15-14-16	30		H							
78 79 80 81	11-22-19	41									
82 — 83 — 84 — 85 — 86 —	5-5-11	16							(0.00)		0
87 88 89 90 91	6-9-18	27									
92 93 94 95 96	14-15-11	26						-			
97 98 99 100	18-19-21	40			Boring Terminated at 100'					_	



PROJECT NO.: 0795.1400110.0000

REPORT NO .: 1211903 PAGE: B-175

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: GB-6

SHEET:

1 of 2

SECTION: 15,16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): +127(EST) DATE STARTED: 1/18/06

WATER TABLE (ft): NE DATE OF READING: NA DATE FINISHED: 1/18/06 DRILLED BY: D,B./T.S.

EST. WSWT (ft):

PTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	МС		RBERG	K	ORG CON
PTH M P L E	INCREMENT	VALUE	VV	В О L	BESCRIPTION	(%)	(%)	LL	PI	(FT_/ DAY)	(%)
0			6	11	Loose brown clayey SAND [SC]					1	
2 - X	4-4-3	7		1	Medium green-gray and red-brown CLAY [CH],						
4	3-4-3	7			with limestone fragments in upper 12 inches						
5 6	2-2-2 2-2-2	4			Soft						
7 8 – X	2-2-2	4			Soft						
9 🛛	2-2-2	4			Soft gray and orange sandy to very sandy CLAY						
11-					[CL]						
12 13											
14 15	2-2-3	5			Medium						
16 - 17 -					Medium light green-gray CLAY [CH]						
18 — 19 — 🗸											
20	2-2-2	4			Soft	-		-			
21 — 22 —											
23 — 24 — 🗸	40 50 1011										
25 26	18-50/6"	50/6"		4	Tan LIMESTONE			-			φ 10
27				Ħ							
28 29 X	15-43-15	58		丑							
30 31	10 10 10	09.		I		-1					
32 — 33 —				I							
34	9-13-21	34		Ξ							
36				\pm							
37 — 38 —				H							
39 40	50/6"	50/6"		I	(Moderately to well-cemented limestone matrix						
41 —				I	encountered from 25' to 100' depth)						
13				I							
44	50/6"	50/6"	I	+		0.0-0-0					
46 — 47 —			I	\pm	2 1						
48 49		.etv	1	\exists							
50	26-13-16	29		T				-		100	
51 —				I							
34	E0/E1/"	E0/E1/#		I							
5	50/51/2"	50/51/2"									



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

BORING NO: **GB-6**

SHEET: 2 of 2

RANGE: 18E

SECTION: 15,16 TOWNSHIP: 8S RANGE:

DEPTH	BLOWS PER 6" L INCREMENT	N VALUE	W.T. S Y M B	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT_/	ORG.
(FT.)	L INCREMENT		OF		(%)	(%)	LL	PI	DAY)	(%)
55 — 56 —			一							
57 — 58 — 59 — 60 — 61 —	16-12-20	.32						_		
62 — 63 — 64 — 65 —	20-21-29	50						(10-11-1		
66 — 67 — 68 — 69 —		-	异							
70 — 71 — 72 —	9-27-27	54								
73 — 74 — 75 — 76 —	23-45-33	78	甘							
77 — 78 — 79 — 80 —	30-40-25	65								
81 — 82 — 83 — 84 — 85 —	22-20-32	52								
86 — 87 — 88 — 89 —	12-7-6	13								
90 — 91 — 92 — 93 —	12-7-0	19								
94 — 95 — 96 —	5-10-18	28								
97 98 99 100	8-10-9	19		Boring terminated at 100'			,			



PROJECT NO.: 0795,1400110.0000

REPORT NO .: 1211903 PAGE: B-177

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: GB-7

SHEET: 1 of 2

RANGE: 18E

SECTION: 15,16

TOWNSHIP: 8S

WATER TABLE (ft): 73

GS ELEVATION(ft): +120(EST) DATE STARTED: 1/12/06 DATE FINISHED: 1/13/06

DATE OF READING: 1/13/06

DRILLED BY: R. WOODARD

EST. WSWT (ft):

NA

DEPTH (FT.)	SAM	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	МС	ATTER	RBERG	K (FT/	ORG.
(FT.)	LE	INCREMENT	VALUE	***	B O L	BESONII NON	(%)	(%)	LL	PI	DAY)	(%)
0 —					111	Loose brown clayey SAND [SC]						
1 — 2 —	X	1-2-3	5		111							
3 — 4 —	X	5-6-7	13		111	Medium brown and orange						
5 —	X	5-6-4	10		111	Loose			obmorn			
6 — 7 —	X	5-3-5	8		1111	Stiff green and orange CLAY [CH]	1					
8 —	X	5-6-6	12			Stiff						
9 — 10 —	M	5-6-6	12			Stiff						
11 —				1								
12 — 13 —												
14 —	X	2-4-4	8			Loose tan clayey SAND [SC]	-					
15 — 16 —				1								
17 —												
18 — 19 —	\forall	0.45			111							
20 —	4	2-4-5	9		111	Loose			,	-		-
21 — 22 —					111							
23 —					///			1000				
24 — 25 —	Д	3-5-6	11		111	Medium						
26 — 27 —					111							
28 —			m III	1		Tan LIMESTONE						
29 — 30 —	Δı	7-40-50/51/2	50/51/2"									
31 —					1							
32 — 33 —						(100% Loss of drilling fluid circulation at 32', 46.5', 50' and 55' depths)						
34 —	X	50½"	50½"		\perp	46.5', 50' and 55' depths)						
35 — 36 —			,,,,,,,		T				1			
37 —					上							
38 — 39 —	∇	24 27 24	50		1							
40	4	21-27-31	58		T		V	1111	1	(
41 — 42 —					T							
43 — 44 —					T							
45 —	Д	18-19-27	46		丁				-		-	
46 — 47 —					T	(Moderately to well-cemented limestone matrix encountered from 27' to 100' depth)						
48 —					Ŧ	encountered from 27' to 100' depth)						
49 — 50 —	X	3-2-3	5	-	T							
51 —			1	-	T							
52 — 53 —				-	1						1	
54 —	X	9-10-15	25		T							_
55 —		3 10-10			3.50							



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA BORING NO: GB-7

SHEET: 2 of 2

SECTION: 15,16

TOWNSHIP: 8S

EPTH M (FT.) P L E	BLOWS PER 6"	N VALUE	W,T,	S Y M	DESCRIPTION	-200	МС	ATTE	RBERG IITS	K (FT./	ORG.
FI.)	INCREMENT			B O L		(%)	(%)	LL	PI	DAY)	(%)
55 — 56 — 57 —				丑							
58 — 59 — 60 —	16-20-15	35		苗			····	ογ			
61 — 62 — 63 —				甘							
64 — X 65 — 66 —	17-18-16	34		异				-			-
67 — 68 — 69 — 70	20-32-21	53		Ħ							
71 — 72 — 73 —			_	士							
74 — X 75 — 76 —	12-11-9	20						0000			
77 — 78 — 79 —	8-10-10	20		古							
80 81 82	0-10-10	20		茔							
83 — 84 — 85 — 86 —	11-9-10	19		丑							
87 — 88 — 89 —		aTe.		丑							
90 — 91 — 92 —	13-14-12	26		丑							
93 — 94 — X 95 —	16-21-10	31	1000	甘				(===)			
96 — 97 — 98 —				干							
99 — 🔻	15-24-14	38		1	Boring terminated at 100 ^t						х -
	-										



PROJECT NO.: 0795,1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **GB-8**

1 of 2 SHEET:

SECTION: 15,16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): +113(EST) DATE STARTED: 1/11/06

WATER TABLE (ft): 70 DATE OF READING: 1/12/06 DATE FINISHED: 1/12/06 DRILLED BY: R. WOODARD

EST. WSWT (ft): NA TYPE OF SAMPLING: ASTM D-1586

DEPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	MC		RBERG IITS	K (FT./	ORG.
(FT.) PLE	INCREMENT			0		(%)	(%)	LL	PI	DAY)	(%)
0 -				111	Loose brown, gray and orange clayey SAND [SC]						
2 — X 3 — V	2-2-3	5			Medium green, gray and orange CLAY [CH]						
4 — X	2-3-3 3-4-5	6			Stiff						
6-X	6-5-6	11			Stiff						
8 – X	7-7-5	12									
9 — 10 —	5-5-6	11	-		Medium tan clayey SAND [SC]						
11 — 12 — 13 —											
14 — 15 —	2-3-4	7			Loose						
16 — 17 —											
18 — 19 — X	3-4-6	10			Loose						
20 —	3.0	100180			20000.00						
22 —											
24 — 🗙	4-6-7	13		111	Medium, with trace of limestone fragments			1	y end.		
26 — 27 —				Ħ	Tan LIMESTONE						
28 — 29 — X	21-29-44	73									
30 —	21-25-44	1.5		王							
32 — 33 —		1		中							
34 — X	10-25-27	52		H	(100% Loss of drilling fluid circulation at 27'						
36 —					depth)						
37 — 38 —				T							
39 40	11-8-27	35			(Possible soil-filled solution cavity from 27' to						
41 — 42 —				口	28.5' and 49' to 50' depths)						
43 —				中							
44 — X 45 — X	18-21-20	41		H							
46 — 47 —											
48 —											
49 — 50 —	1000							1	10.1		
51 — 52 —			F								
53			E								
54 — 55 —	28-29-34	63		1					-		



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

BORING NO: GB-8

JD-0

SHEET: 2 of 2

TION:	15 16	TOWNSHIP:	28	RANGE:	10=
11014.	10,10		00	TO HOL.	100

EPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M B O	DESCRIPTION	-200	МС		RBERG	K (FT./	ORG CONT
EPTH M (FT.) P L	NCREMENT	VALUE	VV.I.	B O L	DESCRIPTION	(%)	(%)	LL	PI	DAY)	(%)
00	33-23-27	50			(Moderately to well-cemented limestone matrix encountered from 26' to 100' depth)	V. 1-					
66	18-21-20	41									
67 — 68 — 69 — 70 — 71 — 72 —	8-9-2	11	•	Ħ							
73 — 74 — 75 — 76 —	6-7-7	14		H			,		V		
77 — 78 — 79 — 80 — 81 —	10-9-8	17		古古							
86	14-12-15	27		井井							
91 —	12-20-12	32					10		-		
96 —	15-17-20	37		H			-				
97 — 98 — 99 — 100 —	17-25-21	46		Ė	Boring terminated at 100'						



PROJECT NO.: 0795,1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

LOCATION; SEE BORING LOCATION PLAN

CPH ENGINEERS, INC.

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

REMARKS:

CLIENT:

BORING NO: GB-9

SHEET: 1 of 2

SECTION: 15,16

TOWNSHIP: 8S

RANGE: 18E

WATER TABLE (ft): NE

GS ELEVATION(ft): +122(EST) DATE STARTED: 1/13/06 DATE FINISHED: 1/13/06

DATE OF READING: NA

DRILLED BY: D.B./T.S.

EST. WSWT (ft):

NA

DEPTH M	DI OME	N VALUE	W,T.	S Y M	DESCRIPTION	-200	МС	ATTER LIM	RBERG ITS	K (FT./	ORG CONT
(FT.) P	INCREMENT	VALUE	VV.12	B O L	BESOMI HOW	(%)	(%)	LL	PI	DAY)	(%)
0-	1-1-2	3		///	Soft light brown and red-brown CLAY [CH]						
2 - X	3-4-5	9			Stiff						
3 — X	4-4-5	9			Stiff gray						
5 — X	3-3-2	5			Medium green-gray and red-brown			n			
6 — X	2-2-2	4			Soft						
8 – X	1-2-2	4			Soft						
9 — X 10 —	2-2-2	4			Soft						
11 — 12 —											
13 —	,										
14 — X 15 — X	2-2-2	4			Soft						
16 — 17 —											
18 —											
19 — X	2-2-2	4			Soft			0 == 0			
21 —			}								
22 — 23 —											
24 — 25 —	4-4-3	7		///	Loose green-gray clayey SAND [SC]						
26 —				122							
27 — 28 —											
29 30	2-5-4	9			Loose green-gray slightly clayey SAND [SM]						
31 —											
32 — 33 —											
34 - 🗸	32-50/1/2"	50/1/2"		1/	Tan LIMESTONE	-					
35 — 36 —	Q00./2	00.72									0
37 —					(100% Loss of drilling fluid circulation at 36' depth)						
38 — X	14-15-18	33		廿							
40 —	14-13-10	55		H		1		k		1	
42 —				中							
43 — 44 — 🗸					(Moderately to well-cemented limestone matrix encountered from 34' to 100' depth)						
45	23-18-21	39			encountered from 34 to 100 depth)			-			
46 — 47 —			[中							
48 — 49 — 🗸			E								
50 —	14-15-7	22		1		000		()			
51 — 52 —			-	1							
53 —				1							
54 — X 55 —	5-11-13	24	1	1							



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

BORING NO: **GB-9**

SHEET: 2 of 2

SECTION: 15,16

TOWNSHIP: 8S

R 6" VALUE	W.T.	M B D L	5200.	RIPTION		(%)	(%)	LL	PI	K (FT./ DAY)	CONT (%)
		7									
1-23 44											
3-22 45											10
9-34 63											
5-22 48											/c =c =
I-21 3 <u>5</u>											
-4 9											
-13 26											
2-7 19											
-13 29	I		erminated at 100								
	9-34 63 3-22 48 4-21 35 4-4 9 1-13 26	3-34 63 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	9-34 63 3-22 48 3-21 35 -4 9 -13 26	9-34 63	9-34 63	9-34 63 9-22 48 1-21 35 1-4 9 1-13 26	3-34 63	9-34 63 3-22 48 4-21 35 4 9 13 26 -7 19	9-34 63	3-34 63	9-34 63



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: GB-10

SHEET: 1 of 2

SECTION: 15,16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): +118(EST) DATE STARTED: 1/13/06

DATE STARTED: 1/13/06
DATE FINISHED: 1/17/06

WATER TABLE (ft): NE DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): NA

DEPTH M (FT.)	BLOWS PER 6"	N VALUE	W ₂ T ₂	S Y M B	DESCRIPTION	-200	MC	ATTER	RBERG MITS	K (FT/	ORG.
(FT.) P	INCREMENT			0 6		(%)	(%)	LL	Pl	DAY)	(%)
0				111	Variable brown and arrange classes CAND ICC1						1
1 2	1-1-3	4		111	Very loose brown and orange clayey SAND [SC]						
3	3-3-4	7		111	Longo	0 1					
4 5	5-6-6	12		12	Loose						
6	7-6-7	13		111	Medium						
7	8-9-7				Stiff orange and gray sandy CLAY [CL]						
8 9		16			Very stiff green and orange CLAY [CH]						
10	8-8-9	17			11-	1		nn n			
11 -											
13 —					50						
14 X	2-2-3	5			Medium						
16											
17 — 18 —	- VI				Very loose tan and brown clayey SAND [SC]						
19 📉	1-1-1	2		722							
20	0.001			111				0 ==0			
22				111	Loose tan clayey SAND [SC]						
23 —				111		1					
25	3-3-4	7		111	010			0.0			
26 — 27 —				111							
28			1	111							
29 📉	3-4-5	9	1	111							
31			1	11/							
32			1	///							
33 - 34 - 7	470			111	Stiff gray and orange CLAY [CH], with limestone						
35	4-7-8	15	-		fragments			-	0		
36 — 37 —											
38					Tan LIMESTONE						
39	2-1-1	2		T							
41			1	1	(Porous to very porous limestone matrix from 37' to 49' depth)						
42 — 43 —					is aspany						
44	4-7-3	10	1								
45 46	77.5	10	Ė	1							
47				H							
48 49				\pm							
50	0-11-14	25		1							
51			F	H	(100% Loss of drilling fluid circulation at 36 5'						
52 — 53 —			F	口	and 51.5' depths)				1		
54 55	11-13-14	27	F	T)						



PROJECT NO.: 0795_1400110_0000

REPORT NO.: 1211903

PAGE: B-183

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA BORING NO: GB-10

SHEET: 2 of 2

SECTION: 15,16

TOWNSHIP: 8S

TH M P	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	МС	ATTE	RBERG MITS	K (FT./	ORG.
.) P L E	INCREMENT	VALUE	VV	B O L	BEOOK!! HOW	(%)	(%)	LL	PI	DAY)	(%)
5 - 				H							
X	12-27-18	45		Ħ							
X	9-12-21	33		H	(Moderately to well-cemented limestone matrix encountered from 50' to 100' depth)						
X	12-18-24	42			encountered from 50' to 100' depth)						
X	9-11-15	26		H			- diame	ļ			
X	9-7-18	25		H							
X	10-15-17	32									
X	12-8-11	19		Ė							
X	7-8-11	19		H							
X	8-9-9	17		H	Poring Terminated at 100!						
					Boring Terminated at 100°						



PROJECT NO.: 0795.1400110.0000

REPORT NO .: 1211903 PAGE: B-184

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: GB-11

1 of 2 SHEET:

SECTION: 15,16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): +123(EST) DATE STARTED: 1/6/06 DATE FINISHED: 1/10/06

WATER TABLE (ft): 80 DATE OF READING: 1/6/06

DRILLED BY: R. WOODARD

EST. WSWT (ft):

DEPTH M	BLOWS PER 6"	N VALUE	W.T. M	DESCRIPTION	-200	MC		RBERG MITS	K (FT./	ORG CONT
(FT.) P L E	INCREMENT	VALUE	VV.1. B	BESSIAI HOIV	(%)	(%)	LL	PI	DAY)	(%)
0				Very loose light brown SAND [SP]						
2 — X	1-1-1	2								
4	1-3-5	8		Loose gray and brown clayey SAND [SC]						
5	5-8-10 10-10-12	18 22	1	Medium::.	I J					
7 8	12-12-11	23	1/2	Medium						
9 📈	9-10-12	22	/	Very stiff green and orange CLAY [CH] Medium tan and gray clayey SAND [SC]	_					
10			1	x						
12 — 13 —										
14 — X	3-8-9	17	1	Medium brown and tan						
16			1/							
17 — 18 —			11							
19 —	4-5-6	11	12	Medium tan						
21			1							
22			1	ž Ž						
24	4-5-6	11	1/	Medium			alexander of			
26			12							
27 —										
29 30	2-2-2	4		Tan LIMESTONE						
31 — 32 —			工							
33 —										
34 35	12-14-50	64								
36 — 37 —	1			(100% Loss of drilling fluid circulation at 29' and						
38				36.5' depths)						
39 40	50/11/2"	50/11/2"	工				the state of			
41 — 42 —			T							
43				(Moderately to well-cemented limestone matrix						
45	33-49-50/5"	50/5"	(00) J	encountered from 35' to 100' depth)						
46 47										
48 - 49 -			中							
50	34-50-38	88			-		-	-		
51 — 52 —			日							
53 54			I							
55	20-28-36	64	1	-						



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S,E, CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA BORING NO: GB-11

SHEET: 2 of 2

SECTION: 15,16

TOWNSHIP: 8S

DEPTH M (FT.) P L	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIF	PTION	-200	MC	ATTER	RBERG IITS	K (FT./	ORG.
(FT.) P	INCREMENT	VALUE	VV-1-	M B O L	DESCRIP	HON	(%)	(%)	LL	PI	DAY)	(%)
55 — 56 — 57 —				H								
58 — 59 — 60 —	22-25-43	68		日								
61 — 62 — 63 — 64 — 65	24-40-48	88										
66 — 67 — 68 —				耳								
69 — X 70 — 71 —	33-50-55	105							-			
72 — 73 — 74 — 75 — 76 —	30-38-42	80		甘						0,000		
77 — 78 — 79 — 80	19-33-19	52	_									
81 — 82 — 83 — 84 — 85 —	12-20-18	38										
86 — 87 — 88 — 89 — 90	19-11-9	20										
91 — 92 — 93 — 94 — 95	10-12-10	22										F ()
96 — 97 — 98 — 99 — 100 —	12-6-13	19										
				Boring	terminated at 100'							



PROJECT NO.: 0795,1400110,0000

REPORT NO.: 1211903 PAGE: B-186

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC. CLIENT:

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: GB-12

1 of 2 SHEET:

SECTION: 15,16

TOWNSHIP: 8S

RANGE:

GS ELEVATION(ft): +127(EST) DATE STARTED: 1/12/06

WATER TABLE (ft): NE DATE OF READING: NA DATE FINISHED: 1/12/06 D.B./T.S.

DRILLED BY:

TYPE OF SAMPLING: ASTM D-1586 EST. WSWT (ft):

DEPTH M P L	BLOWS PER 6"	N VALUE	w.T.	N ≺ S	DESCRIPTION	-200	MC		RBERG IITS	K (FT./	ORG.
(FI,) E	INCREMENT			В О L	BESSIAI HON	(%)	(%)	LL	PI	DAY)	(%)
0	1-2-1	3			Very loose brown SAND [SP]						
2 — X 3 — X	2-2-2 3-3-5	4 8		//	Soft brown to red-brown slightly sandy CLAY [CL]						
5	4-5-5	10			Stiff brown to red-brown and light green-gray CLAY [CH]						0 =00000
6 7	2-2-3	5			Medium						
8 8	2-2-3 2-3-3	5 6			Medium Medium						
10	2-3-3	0			wedium						
12 —											
14 — X 15 — X	1-2-2	4			Soft						
16 — 17 —											
18 — 19 — X	3-4-4	8			Medium						
20 21			7		Loose green-gray clayey SAND [SC]						
22 — 23 —											
24 — 🗙	4-4-5	9		1		ð 0		0000			
26 — 27 —					Medium light gray CLAY [CH]						
28 — 29 — X	3-4-3	7			Medium						
30 31											
32 - 33 - 3											
34	2-2-2	4			Soft	-					
36 — 37 —											
38 39	50/3"	50/3"		I	Tan LIMESTONE						
40 41 42			1	Ξ							
43 - 44 - 7			I								
45 46	22-31-9	40		H							
47 48				Η	(Moderately to well-cemented limestone matrix						
49 50	10-14-22	36		\pm	encountered from 38' to 100' depth)						
51 — 52 —				I							
53 — 54 — X				H							
55	13-15-10	25	1	+		44.1				b (



PROJECT NO: 0795.1400110,0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA BORING NO: GB-12

SHEET: 2 of 2

SECTION: 15,16

TOWNSHIP: 8S

PTH M	BLOWS PER 6"	N VALUE	w.T.	S Y M	DESCRIPTION	-200	мс	ATTEI	RBERG MITS	K (FT./	ORG CONT
PTH MPLLE	INCREMENT	VALUE	00,1,	B O L	DESCRIPTION	(%)	(%)	LL	PI	DAY)	(%)
55 — 56 — 57 — 58 — 59 — 60 — 61 — 62 —	12-13-20	33									
63 — 64 — 65 —	9-14-12	26									
67 — 68 — 69 — 70 —	13-18-11	29		H							
72 — 73 — 74 — 75 —	2-1-0	1		芸	(Possible soil-filled solution cavity from 72' to 75' depth)	10 con 10 co			010		
77 — 78 — 79 — 30 — 31 —	4-15-16	31		H							
36	13-16-16	32		H							
37 — 38 — 39 — X 90 — X	8-11-10	21							(0-000
6	11-15-10	25									/
97 98 99 00	9-7-9	16		ij	Boring Terminated at 100'			-			



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

PAGE: B-188

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: GB-13

SHEET: 1 of 1

SECTION: 15,16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): +83(EST)

DATE STARTED: 1/15/06

WATER TABLE (ft): NE

DATE FINISHED: 1/15/06

DATE OF READING: NA

DRILLED BY: G. DAVIS

EST_WSWT (ft): NA

DEPTH M (FT.)	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT./	ORG.
(FT.)	INCREMENT			O L		(%)	(%)	LL	PI	DAY)	(%)
0 1 2 3 4	2-3-3 4-3-2	6 5	500000000000000000000000000000000000000		Loose brown slightly clayey SAND [SP-SM]						
5 6 7 8	2-1-1 1-1-1 1-1-2	2 2 3			Very loose tan clayey SAND [SC], with limestone fragments		00-10010				
9 10 11 12	2-3-3	6	NAX.		Loose						
13 — 14 — 15 — 16 — 17 —	2-19-24	43			Medium gray and orange CLAY [CH], with limestone fragments Tan LIMESTONE						
18 — 19 — 20 — 21 — 22 —	14-28-30	58									010=
26 — 27 —	15-17-18	35		T T T	(Moderately to well-cemented limestone matrix encountered from 15' to 50' depth)						
28 — 29 — 30 — 31 — 32 — 33 — 33 —	15-15-16	31		İ							
24	13-15-17	32		I I I							
20 1	11-17-18	35			(Possible soil-filled solution cavity from 41.5' to 44' depth, 100% loss of drilling fluid circulation)						
44 — X 45 — 46 — 47 — 48 —	0-3-14	17		I				-			
40	7-14-15	19		I	Boring terminated at 50'						



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: **GB-14**

1 of 1 SHEET:

SECTION: 15,16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): +86(EST)

DATE STARTED: 1/12/06

WATER TABLE (ft): NE

DATE FINISHED: 1/12/06

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft):

NA

EPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	MC	ATTER	RBERG ITS	K (FT./	ORG.
EPTH M (FT.) P L	INCREMENT	*/***		B O L	BESSIAI TISIA	(%)	(%)	LL	PI	DAY)	(%)
0					Loose brown SAND [SP]						
2 X	2-3-3	6		111	Loose brown clayey SAND [SC], with roots						
4 5	2-3-4 3-4-4	7 8		111	Loose						
6 7	3-4-5	9			Loose						
8 – X	3-4-4	8			Loose tan and orange						
9 10	3-4-4	8		///	Loose						
11 —											
13 — 14 — X	4-4-4	8			Loose orange and gray slightly clayey SAND [SM], with trace of limestone fragments	1					
15 16	4-4-4	0			[SW], with trace of limestone fragments						
17 18			1	0							
19 20	3-4-5	9		1	Loose						
21 — 22 —			3	1							
23			3	0		4111					
24 25	5-6-7	13	10 1/	日	Tan LIMESTONE	30				(100)	
26 — 27 —				I	(Rotary washed from 25' to 30')						
28 — 29 —			E	H	(Notary washed from 25 to 56)						
30					Boring terminated at 30'						
										1	
						1 1					
1 1						1 1		1	- 1		



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC. CLIENT:

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: GB-15

1 of 1 SHEET:

SECTION: 15,16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): +87(EST)

DATE STARTED: 1/12/06 DATE FINISHED: 1/12/06

WATER TABLE (ft): 48 DATE OF READING: 1/12/06

DRILLED BY: J. STILLSON

EPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	мс	ATTER	RBERG	K (FT./	ORG.
(FT.) P L E	INCREMENT	VALUE		B O L	DEGGINI HON	(%)	(%)	LL	PI	DAY)	(%)
0				2,37.73	Very loose dark brown SAND [SP]						
2 – X	1-2-2	4		111	Very loose orange clayey SAND [SC]						
3 - X	2-2-2	4	1 8	111	Very loose.,.						
5 — X	2-2-2	4	1 - 9	111	Very loose		-	1			0.000
7-()	2-2-2	4		111	Very loose						
8 — 🗸	2-3-6	9		111	Loose orange and gray						
10	4-6-9	15			Stiff orange and gray sandy CLAY [CL]		0.000	000	0		
11 —											
13 —				1	Loose gray and orange slightly clayey SAND [SM]						
14 15	4-5-5	10									
16											
17 — 18 —				1							
19 20	3-4-5	9			Loose						
21				1							
22 — 23 —				1							
24	5-7-9	16		1	Tan LIMESTONE						
25 26	0,0					(in the second		000			
27											
28 — 29 — X	7.00	40		古							
30	7-8-8	16	10111	I						-	
31 — 32 —				丁							
33 - 34 - 7				T	(Moderately to well-cemented limestone matrix						
35	30-20-23	43		H	encountered from 32' to 50' depth)	-		-	land 1		
36 — 37 —				T							
38											
39 40	21-27-33	60									
41			E	T							
42 — 43 —											
44 — 🗸	32-36-46	82									
45 46		1000	E								
47 - 48 - -			_	1							
40	41-47-50/5"	50/5"		1							
50	41-47-30/5	50/5			Boring terminated at 50'						



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: GB-16

1 of 1 SHEET:

SECTION: 15,16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): +89(EST)

DATE STARTED: 1/19/06

WATER TABLE (ft): NE DATE OF READING: NA DATE FINISHED: 1/19/06

DRILLED BY: G. DAVIS

EST. WSWT (ft):	NA	TYPE OF SAMPLING: ASTM D-1586

A BLOWS M PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	MC		RBERG MITS	K (FT./	ORG CONT
L INCREMEN			O L		(%)	(%)	LL	PI	DAY)	(%)
			111	Very loose brown clayey SAND [SC]						E
1-1-1	2		11/							
1-0-1	1		111	Very loose						
0-1-0	1		1//	Very loose			-	0.0		
1-1-3	4		111	Very loose gray and orange.		H V				
4-5-5	10	1 8		Stiff green and orange CLAY [CH]						
7-7-8	15	1 8		Stiff						
		1 8								
				Madisar and Assault Olav						
3-3-4	7			Medium green, gray and orange sandy CLAY [CL]						
	0.20	1 8								
			11	Loose green and orange clayey SAND [SC]						
2-2-3	5		22							
2-2-5	- 3		//							-
			12							
	10		///							
2-3-4	7		12	Loose brown and orange	(1000)					
,		1 8	22							
3-4-6	10			Loose gray and orange			0.0			
			33							
		1	11	Tan LIMESTONE						
2-1-0	1			(100% Loss of drilling fluid circulation at 33') (Possible solution cavity from 34.5' to 36' depth)						
		E		(Possible solution cavity from 34.5 to 35 depth)						
1-4-6	10									
	1									
				Soft gray and orange sandy CLAY [CL], with limestone fragments						
1-2-2	4	8		illinostorio riagriforita						
1.2.2	100							() =		
				(Possible soil-filled solution channel or cavity within limestone matrix from 42' to 50' depth)						
400										
1-2-2	4	2	111	Soft Boring terminated at 50'						
				Donning terminated at 00						



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: GB-17 SHEET:

1 of 1

18E

RANGE:

TOWNSHIP: 8S SECTION: 15,16

DATE STARTED: 1/12/06

GS ELEVATION(ft): +88(EST) WATER TABLE (ft): NE

DATE FINISHED: 1/12/06

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft): TYPE OF SAMPLING: ASTM D-1586

DEPTH M	BLOWS PER 6"	N VALUE	W.T. M	DESCRIPTION	-200	MC		RBERG IITS	K (FT./	ORG.
(FT.) PLE	INCREMENT		W I B O L	DESCRIPTION	(%)	(%)	LL	PI	DAY)	(%)
0			33	Very loose brown SAND [SP]				1		
2 3	1-1-1	2	77	Loose brown clayey SAND [SC]	1					
4 5	2-3-4 3-4-5	7 9	1	Loose						
6-8	3-4-5	9	1	Loose brown slightly clayey SAND [SM]						
8	3-4-4	8		Loose						
9 10	3-4-5	9		Loose						
11 — 12 — 13 —										
14 15	3-5-6	11		Medium brown clayey SAND [SC]						
16 — 17 —										
18 — 19 — X	3-4-5	9		Loose						
20 21 22										
23 24										
25 26	5-6-6	12		Medium	10					No.
27 — 28 —				Stiff gray and orange sandy CLAY [CL]						
29 - 30	5-6-6	12								0100-00
31 — 32 —										
33 —	3-4-5	9		Stiff green and orange						
35 36	0.43			Still green and Grange						0
37 — 38 —				Loose orange and gray clayey SAND [SC]						
39	3-4-5	9	(1)							
41 — 42 —			111							
43 - 44 - 7				Medium gray and orange slightly clayey SAND [SM]						
45 46	5-6-7	13			-					
47 48										
49	6-7-8	15		Medium gray						
50				Boring terminated at 50'						



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT:

CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: GB-18

SHEET:

1 of 1

18E

SECTION: 15,16

TOWNSHIP: 8S

RANGE: DATE STARTED: 1/17/06

GS ELEVATION(ft): +86(EST)

DATE FINISHED: 1/17/06

WATER TABLE (ft): NE

DATE OF READING: NA

DRILLED BY: G. DAVIS

EST. WSWT (ft): NA TYPE OF SAMPLING: ASTM D-1586

EPTH M	BLOWS PER 6"	N VALUE	W.T. N	DESCRIPTION	-200	МС	ATTER	RBERG	K (FT./	ORG CON
(FT.) P L E	INCREMENT	T/LOC	C	DESCRIPTION	(%)	(%)	LL	PI	DAY)	(%)
0 -			183	Very loose brown SAND [SP]						
2 — X	1-1-1 1-0-1	2 1		Very loose brown slightly clayey SAND [SM]						
5	1-0-1	1		Very loose brown clayey SAND [SC]						
6 7	0-1-1	2	1	2						
8 8	1-2-2 3-5-7	4		Very loose						
10	3-5-7	12	27	Medium			-	-		
12 — 13 —			1							
14	2-3-5	8	1	Loose gray and orange						
16 — 17 —			1							
18 — 19 — X			1							
20 21	2-3-3	6	11	Loose	1		-			
22 — 23 —										
24	2-2-2	4	11	á .						
26 — 27 —			T	Tan LIMESTONE						
28 —				(Very weathered limestone matrix, mostly clay and sand from 25' to 33' depth)						
30	0-0-1	1		and sand from 25' to 33' depth)	_		-	1000	100	
32 33			I	(100% Loss of drilling fluid circulation at 25'						
34 35	11-18-24	42		depth)						
36 — 37 —			主	1						
38 39	le l									
40 41	18-21-25	46			-					
42 43				1						
44 45	9-13-17	30	工							
46			臣							
47 - 48 - 48										
49 50	3-4-4	8		Boring terminated at 50'	-		(



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: GB-19

1 of 2 SHEET:

SECTION: 15,16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): +93(EST)

DATE STARTED: 1/18/06

WATER TABLE (ft): NE DATE OF READING: NA DATE FINISHED: 1/18/06

DRILLED BY: D.B./T.S.

EST. WSWT (ft): NA

PTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	MC		RBERG	K (FT_/	ORG CONT
T.) P	INCREMENT			B O L	2231.11 116.1	(%)	(%)	LL	PI	DAY)	(%)
0				111	Variable bases because classes CAND (CO)						
1 2	1-1-1	2		111	Very loose brown clayey SAND [SC]						
3	2-1-1	2		12	Manufacea						
4				111	Very loose						
5	2-1-1	2	1	111	Very loose			7			
7	1-1-1	2		111	Very loose						
8 8	1-2-2	4	1	111	Very loose						
10	1-2-2	4	8	111	Very loose						
11			1	177							
13			1	111							
14	2-2-2	4	1	112	Very loose						
15 16		-40		11							
17					Stiff gray-brown and red-brown slightly sandy CLAY [CL], with trace of limestone fragments						
18 - 19 - 7			E		OLAT [OL], with trace of limestone tragments						
20	3-5-5	10				(100					
21 —				111	Medium green-gray and reddish-brown CLAY						
22 -			E		Medium green-gray and reddish-brown CLAY, with trace of sand and limestone fragments [CH]						
24 - 🗸	3-3-4	7	E								
5 6	3-0-4	7	E					1			(i
7			E								
8			1								
9	2-2-3	5	E		Medium						
1-			1								
2			E								
33			1	111	Medium light green-gray sandy CLAY [CL]						
5	3-2-4	6	8			9 (1)				1	
6 -			1								
88			E								
39	3-3-3	6	8		Medium						
11			E								
2			E								
13 -											
15	1-1-1	2	E		Very soft						
6											
17 — 18 —			E		5						
9 🔻	0-0-1	1	B		Very soft						
0	001	1	1		very sort			(0.000		
2			2	111	Too LIMECTONE						
3			E		Tan LIMESTONE						
4 \	2-7-7	14	-								



PROJECT NO : 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA BORING NO: GB-19

SHEET: 2 of 2

SECTION: 15,16

TOWNSHIP: 8S

DEPTH (FT.)	SAMP	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTER	RBERG	K (FT./ DAY)	ORG. CONT. (%)
(FI.)	Ë	INCREMENT			ÖL		(%)	(%)	LL	PI	DAY)	(%)
						Boring terminated at 55'						
	М											
	1											



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

PAGE: B-195

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT:

CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: GB-20

TOWNSHIP: 8S

RANGE: 18E

1 of 1

GS ELEVATION(ft): +91(EST)

SHEET:

DATE STARTED: 1/20/06

WATER TABLE (ft): NE

SECTION: 15,16

DATE FINISHED: 1/20/06

DATE OF READING: NA

DRILLED BY: G. DAVIS

DEPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	MC	ATTER	RBERG IITS	K (FT./	ORG.
(FT.) P L E	INCREMENT			O L		(%)	(%)	LL	PI	DAY)	(%)
0				111	Very loose brown-orange clayey SAND [SC]						
2 🛛	1-1-0	1		111	Very loose						
3 4	1-0-0	0		111	Very loose						
5——	1-1-1	2		111	Very loose: :			(
6 7	1-1-2	3		111	Very loose						
8-X	2-3-3	6		111	Loose						
9-\	5-7-8	15		111	Medium						
10 11		1		111							
12				111							
13 14 15	3-3-4	7			Medium green, gray and orange CLAY, with sand lenses[CH]						
16 — 17 — 18 —					Medium gray and orange sandy CLAY [CL], with trace of limestone fragments						
19 —	1-2-3	5			Medium						
20		, A			No.			(-1,)			
22											
23				111	Loose light gray and orange clayey SAND [SC]						
25	3-3-5	8		111							
26 — 27 —				111							
28				111							
29	4-5-7	12		111	Medium						
31			1	11/							
32 — 33 —			1	111							
34	4-6-7	13	-	111	Medium						
35 36	4-0-7	10		111	(100% Loss of drilling fluid circulation at 35'			0 00		2000	0
37				111	depth) Tan LIMESTONE	1					
38			Ì	H	I an LIMESTONE			1100			
39 40	4-6-5	11	100	T		1000					,
41				H							
42 43			ļ								
44	5-8-11	19									
45 46		77/	1	士	(Rotary washed from 45' to 50' depth)						
47				士							
48 - 49 -			l								
50					Boring terminated at 50'			-			
					Doming terminated at 50						



PROJECT NO.: 0795.1400110,0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: LOCATION: SEE BORING LOCATION PLAN

CPH ENGINEERS, INC.

REMARKS:

BORING NO: GB-21

SHEET:

RANGE: 18E

1 of 1

SECTION: 15,16

TOWNSHIP: 8S

GS ELEVATION(ft): +96(EST)

DATE STARTED: 1/20/06 DATE FINISHED: 1/20/06

WATER TABLE (ft): NE DATE OF READING: NA

G. DAVIS

DRILLED BY:

EST. WSWT (ft):	NA	TYPE OF SAMPLING:	ASTM D-1586
LOT. WOWN (II).	INA	THE OF SAMPLING.	AS IN D-1586

(FT.) P	PER 6"	VALUE	W.T.	S Y M	DESCRIPTION	-200	MC	ATTER	IITS	K	ORG CONT
	INCREMENT	VALUE		B O L	BEGONII HON	(%)	(%)	LL	PI	(FT / DAY)	(%)
0	-			11	Very loose brown-orange clayey SAND [SC]						
1 2	1-1-2	3		11	, , , , , , , , , , , , , , , , , , , ,						
3	1-1-1	2		11	Very loose						
5	1-1-1	2		11	Very loose						
6 7	2-2-7	9		11	Loose						
8 -X	7-9-6	15		11	Medium						
10	6-9-9	18		11	Medium gray and orange						
11 —			1	///	Medium gray and orange CLAY [CH]						
13 -	- I										
15	3-4-4	8			Medium	-		-			
17 — 18 —					Loose gray and orange clayey SAND [SC]						
19	2-3-3	6		11	Loose gray and drange dayey SAND [SC]						
20 21	540.5	i A	1	//							
22 —				11							
24	3-4-4	8	1	//	Loose green and orange						
25 26		-	1	22							
27 — 28 —			E	//							
29	3-3-3	6	1	//	Loose						
30				//							
32 33			1	//							
34	2-2-3	5		22	Loose						
35 36		100	E	//	(100% Loss of drilling fluid circulation at 35'						
37 — 38 —			E	11	depth)						
39	4-7-13	20			Tan LIMESTONE						
40 41	4-7-13	20		T							
42			E	\perp	(Possible solution cavity from 41.5' to 43' depth)						
43 — 44 — X				I							
45	13-15-15	30	1	I				-			
46 47			H	工							
48				I							
49 50	15-23-26	49	-	T	Boring terminated at 50'	es a la l					
					borning terminated at 50						



PROJECT NO.: 0795.1400110.0000

REPORT NO : 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: LOCATION: SEE BORING LOCATION PLAN

CPH ENGINEERS, INC.

REMARKS:

SECTION: 15,16

TOWNSHIP: 8S

BORING NO: GB-22

RANGE: 18E

SHEET:

1 of 1

GS ELEVATION(ft): +87(EST)

DATE STARTED: 1/21/06

WATER TABLE (ft): NE

DATE FINISHED: 1/21/06

DATE OF READING: NA

DRILLED BY:

G. DAVIS

EST_WSWT (ft):

EPTH M FT.)	BLOWS PER 6"	N VALUE	W_T_	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTE	RBERG	K (FT./	ORG CONT
1.) L	INCREMENT			O L		(70)	(70)	LL	PI	DAY)	(%)
0				111	Very loose brown clayey SAND [SC]		-				
1 2	2-1-1	2	}	111	very loose blown dayey SAND [SC]						
3 - 🛛	0-0-0	0	1	111	Very loose .						
5	0-0-0	0		111	Very loose	4					
6-X	1-0-1	1		111	Very loose						
7 8 — X	1-1-1	2		122							
9 - 🗸				111	Very loose						
10	1-2-1	3		111	Very loose gray and orange	-					
11 — 12 —			t	111		1					
13			1	111							
14 — X	1-2-3	5	1	111	Loose						
16			8	111							
17 — 18 —			F	11							
19 - 🔽	2-3-5			11	Lance						
20	2-3-3	8		11	Loose			0	(0.00)		
22				11							
23 —			1	11							
24	3-3-5	8		11	Loose tan						
6			8	11							
27 — 28 —			8	11							
29 - 🔽	3-9-11	20	E	11	Modium grouped to						
30	3-9-11	20	1	11	Medium gray and tan			-			
2				11	Tan LIMESTONE	-	0.0) - (1		
33										1	
34	4-5-5	10		Н	E						
6				+	(100% Loss of drilling fluid circulation at 35')						
37 - 38 - 3			E	H							
39 - 🔽	19-20-20	40	F	H							
10	13-20-20	40		H							
2				T							
3			F								
14	22-27-22	49	E								
6			E	T							
17 —			E								
19 -	18-19-31	50	-								
50	10-10-01	30			Boring terminated at 50'			1			
- 11						1		11 1			



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903 PAGE: B-198

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-1

1 of 1 SHEET:

SECTION: 15,16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): +95 (MSL) DATE STARTED: 10/12/04

WATER TABLE (ft): NE

DATE FINISHED: 10/12/04

DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EST_WSWT (ft):

NA

DEPTH M	BLOWS PER 6"	N VALUE	w.T.	S Y M B	DESCRIPTION	-200	MC	ATTER	RBERG	K (FT./	ORG CONT
(FT.) P	INCREMENT	VALUE		B O L	BEGORIF HOR	(%)	(%)	LL	PI	DAY)	(%)
0-				8343	Brown SAND [SP-SM]						
2 – X	2-2-3	5			loose						
3-	1-2-2	4			very loose						
5 6	1-3-5	8		111	Loose brown & orange CLAYEY SAND [SC]			-			(C-00)
7-(-)	6-2-3	5		111	very loose						
8 9 10	5-7-5 9-10-12	12 22			Very stiff green & orange slightly SANDY CLAY [CH]						
11 — 12 — 13 —					Loose brown CLAYEY SAND [SC]						
14 — X 15 — X	4-5-5	10		///	Loose tan & orange SAND [SP-SM]						
16 — 17 — 18 —											
19 — X 20 — 21 —	2-3-4	7									
22 — 23 —											
24 — X 25 — 26 —	3-5-5	10			loose				0.00		
27 — 28 —											
29 — X 30 — X 31 —	2-3-4	7			loose						
32 — 33 —											
34 — X 35 — 36 —	7-10-11	21		Ŧ	Tan LIMESTONE						
37 — 38 —				\pm							
39 — X 40 —	23-36-16	52		1	Boring terminated at 40'						



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

PAGE: B-199

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-2

SHEET: 1 of 1

SECTION: 15,16 TOW

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): +89 (MSL) DATE STARTED: 10/13/04

NA

DATE FINISHED: 10/13/04

WATER TABLE (ft): NE DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EST. WSWT (ft):

Note	K ORG
1-1-1 2 3	DAY) (%)
3	
1-2-2 4very looseloose clayey zoneloose clayey zoneloose clayey zoneloose brown very CLAYEY SAND [SC]looseloose brown very CLAYEY SAND [SC]looselo	
6	
8	
9 4-5-5 10looseloosebrown, gray & orangebrown, gray & orangefirmorange & grayloose 21 22 23 24 25 26 27 28 29 30 3-5-4 9loose light brown, tan & orange SAND [SP-SM]loose light brown, gray & orangetan & orangeta	
11	
13	
15	
16	
18	
20	
22	
23	
25	-
27	
29	
33loose light brown, gray & orangetan & orangetimm 34	
32tan & orange 33tan & orange 34firm 36firm Tan & orange CLAYEY SAND, w/limestone fragments [SC]	
34	
35 — S-10-5	
Tan & orange CLAYEY SAND, w/limestone fragments [SC]	-
39 📉 333 6 1/2	
Boring terminated at 40'	



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-3

SHEET: 1 of 1

SECTION: 15,16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): +86 (MSL) DATE STARTED: 10/12/04

WATER TABLE (ft): NE

DATE FINISHED: 10/12/04

DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EST. WSWT (ft): NA TYPE OF SAMPLING: ASTM D1586

DEPTH M (FT.) P L	BLOWS PER 6" INCREMENT	N VALUE	W.T.	S Y M B O I	DESCRIPTION	-200 (%)	MC (%)		RBERG IITS PI	K (FT./ DAY)	ORG. CONT (%)
0 — 1 — 2 — X	1-2-1	3			Very loose brown SAND [SP]						
3 — 🔀	1-2-1	2			brown & orange						
5 - 2	1-0-0	0			very loose			L			
6	1-1-0	1	6		very loose						
7 — 8 — X	1-1-1	2			very loose						
9 — X	1-0-1	1			very loose						
11 —								1			
12 — 13 —				11	Firm brown & orange CLAYEY SAND [SC]						
14 — 🗸	2-5-6	11		22							
15 — (-) 16 —	200	420		//		-					
17 —				11							
18 — 19 — 🗸	0.04	_		//							
20	2-3-4	7		11	loose gray, brown & orange			0.00			
21 — 22 —				//			0 0				
23 — 24 — 🗸				12							
25 —	7-11-11	22		11	very firm, very clayey						
26 — 27 —				22	gray & orange						
28 —				11							
29 — X	4-5-7	12	E	22	firm						
31 —			1	//							
32 — 33 —			8	11							
34 —	3-4-6	10	3		Loose gray, tan & orange SAND [SP-SM]						
35 — 36 —			15			1		APLI -		-	//
37 —					tan & orange						
38 — 39 — V	0.5.5	40									
40	3-5-5	10	-	-	loose Boring terminated at 40'			00000	(mar.)		-0
- 11					Bonng terminated at 40						
- 11											
- 11											



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-4

NA

SHEET: 1 of 1

SECTION: 15,16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): +79 (MSL) DATE STARTED: 10/12/04

WATER TABLE (ft): NE

DATE FINISHED: 10/13/04

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft):

EPTH M BLOWS M PER 6" L INCREMEN		N VALUE	W.T.	S Y M B	DESCRIPTION	-200	MC	ATTERBERG LIMITS		K (FT./	ORG.
Ė	INCREMENT			Ö		(%)	(%)	LL	Ы	ĎAY)	(%)
+				1111	Firm brown & orange SANDY CLAY [CH]						
X	2-3-4	7			· ····· a a a a a a go o a a a a con [ci.i]	1 1 1 1					
X	4-5-6	11	1		Brown CLAYEY to very CLAYEY SAND [SC]						
M	2-2-3	5	1	22	loose				(com)		
X	4-3-3	6			loose						
X	4-4-2	6			loose						
X	3-5-6	11	-	11/	firm brown & orange	0					
				111	orongo 8 gray						
			h d	///	orange & gray						
X	7-10-12	22		111	very firm						l.
			1 1	22	firm gray & white						
X	3-8-5	13									
-				111							
					Loose tan, orange & brown SAND [SP-SM]						
X	2-3-3	6									
) (B)	(a s)								
1					tan & orange, w/limestone fragments						
X	5-3-2	5			loose						
			o nog		IDOGC						
11											
X	4-17-14	31	1	777	Light brown SANDY CLAY, w/limestone [CH]						
	4-17-14	31	1	干	Tan LIMESTONE				()		
1				H							
	0.04.40	0.4									
A	8-21-10	31			Boring terminated at 40'			0.10	0 == 1		



PROJECT NO.: 0795-1400110.0000

REPORT NO.: 1211903

PAGE: B-202

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN REMARKS:

BORING NO: P-5

NΑ

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 98.32

DATE STARTED: 1/24/05

WATER TABLE (ft): NE

DATE FINISHED: 1/24/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft):

EPTH M	EPTH M PER 6"		w _T	S Y M	DESCRIPTION	-200	МС	ATTER	RBERG	K (FT./	ORG.
FT.) PLE	INCREMENT	VALUE	VV,1=	M B O L	DESCRIPTION	(%)	(%)	LL	PI	(FT./ DAY)	CONT (%)
0 -				131	Dark brown and orange poorly graded SAND, with silt [SP-SM]						
2 - X	1-0-0	0		i ii	with silt [SP-SM]						
3 - \	WOH	WOH		i ii i ii r ii	Very loose dark brown						
5 6	WOH	WOH		í í				1			
7 8	WOH 1-1-1	WOH 2			Very loose						
9 - 🗸	1-1-1	3		1. I 1. I	Very loose						
10 — 11 — 12 — 12 —	1-1-2	5	1	1 1 1 1	very loose			((classical)		
13 — 14 — X	2-2-3	c		1 H 1 H	Lance links have un						
15 16	2-2-3	5) - k (- k	Loose light brown						E-
17					Light brown clayey SAND [SC]	-					
18 — 19 — X	3-5-6	11			Medium dense						
20	0.0.0			//	Medidiff defise						
22 — 23 —				//							
24	4-4-5	9		11	Loose						
26 — 27 —											
28				11							
29	3-4-5	9		//	Loose brown					- 6	- 1000
31 — 32 —			1	12							
33 — 34 — X			1	11							
35	2-3-4	7		11	Loose						
36 — 37 —				11							
38 — X			1	11							
40	2-3-3	6	4	11	Loose Boring terminated at 40'			-	-		
- 11					Bonning terrimination at 10						



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-6

SHEET: 1 of 1

SECTION: 15/16 TO

TOWNSHIP: 8S F

RANGE: 18E

GS ELEVATION(ft): 95.18

DATE STARTED: 1/24/05 DATE FINISHED: 1/24/05

WATER TABLE (ft): NE

DRILLED BY: J. STILLSON

DATE OF READING: NA

DRILLED BT. J. STILLSON

						EST. W	SWT (ft): NA	TYPI	E OF SAI	MPLING:	ASTM D	-1586
DEPTH (FT.)	SAMPLE	BLOWS PER 6" INCREMENT	N VALUE	W.T.	S Y M B O L	DESCRIPTION	-200 (%)	MC (%)		RBERG IITS	K (FT./ DAY)	ORG CON ⁻ (%)
0-					5,500	Brown poorly graded SAND [SP]						

2 1 2-(4-5 3-3 4-5	1-1 2 1-2 3 3-4 7 5-6 11 3-4 7 5-5 10	W.T. BBOOL		(%)	(%)	LL	PI	DAY)	(%)
1-2 2-3 4-5 3-3 4-5	1-2 3 3-4 7 5-6 11 3-4 7 5-5 10		Very loose brown and orange clayey SAND [SC] Loose Medium dense light brown Medium dense Loose light brown to yellow silty SAND [SM]						
1-2 2-3 4-5 3-3 4-5	1-2 3 3-4 7 5-6 11 3-4 7 5-5 10	1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1.	Very loose brown and orange clayey SAND [SC] Loose Medium dense light brown Medium dense Loose light brown to yellow silty SAND [SM]						
2-4-8 3-3 4-8 3-3	3-4 7 5-6 11 3-4 7 5-5 10	1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1.	Medium dense light brown Medium dense Loose light brown to yellow silty SAND [SM]		7				
4-5 3-3 4-5 3-3	5-6 11 3-4 7 5-5 10	1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1.	Medium dense light brown Medium dense Loose light brown to yellow silty SAND [SM]		0				
3-3	3-4 7 5-5 10 3-4 7	1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1.	Medium dense Loose light brown to yellow silty SAND [SM]		, — , , , , , , , , , , , , , , , , , ,				
3-3	5-5 10 3-4 7	1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1.	Loose light brown to yellow silty SAND [SM]		/				
3-3	3-4 7	1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1.	Loose light brown to yellow silty SAND [SM]		,				
1-2		1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1.			/				
1-2		1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1. 1. T. 1.			-				
	2-2 4	1. 1° 1. 1. 1° 1. 1. 1. 1. 1. 1° 1. 1. 1° 1.							4
	2-2 4	L r.i.	3	1					
1-2			Loose						
1-2	100	111							
	2-3 5	101 f 101 f 101 f 101 f	Loose						
		4: 1:1° 1: 1: 4 - 1: (3)	1						
2-3	3-5 8		Loose orange and gray clayey SAND [SC]						
	1.0								
18-18	8-21 39	上	LIMESTONE						
	321 33	日莊							
V									
X 20-30	0-23 53		Boring terminated at 40'						



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC. CLIENT: LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-7

SHEET:

1 of 1

18E

SECTION: 15/16 GS ELEVATION(ft): 93.13

TOWNSHIP: 8S RANGE:

DATE STARTED: 1/24/05

WATER TABLE (ft): NE

DATE FINISHED: 1/24/05

DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EST. WSWT (ft):

EPTH M	BLOWS PER 6"	N VALUE	w.T.	SYM	DESCRIPTION	-200	МС		RBERG 11TS	K	ORG. CONT (%)
(FT.) P L E	INCREMENT	VALUE	VV.1.	B O L	DESCRIPTION	(%)	(%)	LL	PI	(FT./ DAY)	
0				333	Brown poorly graded SAND [SP]						
2 – X	2-2-2	4									
3 4	2-1-2	3			Very loose						
5 6	2-3-3	6	13	111	Loose dark brown to orange clayey SAND [SC]	-		1	0.0		00
7	3-3-4	7									
8 9	4-5-6 3-2-3	11 5		111	Stiff brown and orange sandy fat CLAY [CH]						
10	3-2-3	9	1000	122	Loose light green and brown clayey SAND [SC]				N FROID		
12											
13 — 14 — X	3-4-5	0		177	Loose						
15 1	3-4-9	9	- 16	111					A 0 X)
17					Tan and orange silty SAND [SM]						
18 — 19 — X	3-4-3	7			Lancaton and arrang						
20	3-4-3	7	1		Loose tan and orange			1	1		
22											
23 - 24 - 7	244										
25 26	3-4-4	8			Loose	-		1	0.000-0		1
27				///	Tan, orange and green clayey SAND [SC]						
28 — 7	224	,		111							
30	3-3-4	7		111	Loose tan and orange						
32				///							
33 - 34 - 7				111							
35	3-4-4	8	-	///	Loose			-			
37											
38 - 39 - 7											
40	3-3-3	6		4.6	Boring terminated at 40'	-		/			
					Borning terminated at 40						
	1										
	1		8 1								
- 11											



PROJECT NO.: 0795,1400110.0000

REPORT NO.: 1211903 PAGE: B-205

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-8

1 of 1 SHEET:

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 98,07

DATE STARTED: 1/24/05

WATER TABLE (ft): NE

DATE FINISHED: 1/24/05 DRILLED BY: R. WOODARD

DATE OF READING	: NA	DRILLED BY:	R, WOODARD
EST. WSWT (ft):	NA	TYPE OF SAMPLING:	ASTM D-1586

EPTH M	BLOWS PER 6"	N VALUE	w.T.	S Y M	DESCRIPTION	-200	МС		RBERG IITS	K (FT./	ORG.
PTH M FT.) P L E	INCREMENT	VALUE		B O L	BESSIAI HOA	(%)	(%)	LL	PI	DAY)	(%)
0				ASC	Dark brown to orange poorly graded SAND, with						
1 2 - X	1-0-1	1		1. 1.	silt [SP-SM]						
3-X	WOH	WOH		1.1	Very loose dark brown						
5 - X	WOH-1	1			Very loose		-	1	-		9
6 7	1-WOH-1	1		1 1							
8 9	1-0-1	1		1.1	Very loose						
10	1-1-1	2		1:1				0.0			O-ETO-
11 — 12 —			1 1	1 1							
13 — 14 — X			1 1	1.1							
15	1-2-2	4		1.1	Very loose brown						
16 — 17 —				111	Light brown clayey SAND [SC]						
18 — 19 — 🗸											
20	1-3-5	8			Loose		-) ·	9-11		1
21 — 22 —			8	111							
23 — 24 — X		145	1	11/		1					
25 26	2-2-3	5		///	Loose	(4	7		
27					Light green and tan clayey SAND [SC]						
28 — 29 — 2		_	1 8	111							
30	2-3-4	7		111	Loose				7 11		
32			8		Brown, light green and orange sandy fat CLAY [CH]						
33 - 34 - 7	400	2	1								
35	1-2-3	5	1		Firm						
37			1								
38	500	40	1		015						
40	5-6-6	12	-	111	Stiff Boring terminated at 40'			4		1	(1)
					g						
		9 1 1									



PROJECT NO: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E., CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: C

CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-9

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 93.88

DATE STARTED: 1/24/05 DATE FINISHED: 1/24/05

WATER TABLE (ft): NE

DRILLED BY: J. STILLSON

DATE OF READING: NA EST. WSWT (ft): NA

EPTH M PER 6" VALUE W.T. M B OCCUPITION	K (FT./ CON (%
2-2-2 4 Very loose dark brown to orange 2-3-2 5 Very loose dark brown to orange 2-2-2 4 Very loose brown and tan silty clayey SAND [SC-SM] Very loose brown and tan silty clayey SAND [SC-SM] Loose light brown and orange Medium dense light brown to yellow Medium dense Medium dense	
2-2-2 4	
3	
2-2-2 4 Very loose brown and tan silty clayey SAND [SC-SM] Very loose brown and tan silty clayey SAND [SC-SM] Loose light brown and orange Medium dense light brown to yellow Medium dense Medium dense	
7 2-5-6 11 [SC-SM] 2-3-4 7 9 10 2-4-3 7 Loose light brown and orange Medium dense light brown to yellow Medium dense Medium dense	
8 — 2-3-4 7 9 10 2-4-3 7 Loose light brown and orange Loose light brown to yellow Medium dense light brown to yellow Medium dense Medium dense	
10 2-4-3	
11	
13	
15	
16— 17— 18— 19— 20— 21— 22— 23— 24— 24— 24— 24— 24— 24— 24— 24— 24— 24	
18—19—20—24-5-6 11 Medium dense 21—22—23—24—20—24.5	
19 4-5-6 11 Medium dense 21 22 23 24 24 2 3.4.5	
20 21 22 23 24	
22 — 23 — 24 — 2	
24 🔻 245	
25 3-4-5 S Loose.	
26	
27	
28 — 29 — 13.3 — 5	
29 30 1-2-3 5 Loose gray and orange	
32 -	
33 — LIMESTONE	
35 7 20-23-27 32	
36 - 37 -	
38	
39 25-35-30 65 Boring terminated at 40'	
The state of the s	



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

PAGE: B-207

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S., HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-10

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 90.80

DATE STARTED: 1/24/05

WATER TABLE (ft): NE

DATE FINISHED: 1/24/05

DATE OF READING: NA

NA

DRILLED BY: M. BOATRIGHT

EST. WSWT (ft):

PER 6" INCREMENT 0 1 2 2-3-4 3 2-2-2 4 3-4-5 6 4-4-5 8 6-6-7 9 10 11 12 13 14 2-3-5 16 17 18 19	7 4 9 9 13 14	Brown poorly graded SAND [SP] Light brown Very loose brown clayey SAND [SC] Loose gray and tan Stiff green and tan fat CLAY [CH] Medium dense light green and brown silty SAI [SM] Loose tan and orange	(%)	(%)	LL	PI	K (FT_/ DAY)	CONT (%)
2-3-4 3 2-2-2 5 3-4-5 6 4-4-5 8 6-6-7 9 5-6-8 11 12 13 14 2-3-5 16 17 18 19	4 9 9 13 14	Light brown Very loose brown clayey SAND [SC] Loose gray and tan Stiff green and tan fat CLAY [CH] Medium dense light green and brown silty SAI [SM] Loose tan and orange	ND .					
2 -3-4 3 -2-2-2 5 -3-4-5 6 -4-5 8 -6-6-7 9 -5-6-8 11 -12 -13 -14 -15 16 -17 -18 -16 -17 -18	4 9 9 13 14	Light brown Very loose brown clayey SAND [SC] Loose gray and tan Stiff green and tan fat CLAY [CH] Medium dense light green and brown silty SAI [SM] Loose tan and orange	JD .					
4 2-2-2 5 3-4-5 6 4-4-5 8 6-6-7 9 5-6-8 11 12 13 14 2-3-5 16 17 18	9 9 13 14	Very loose brown clayey SAND [SC] Loose gray and tan Stiff green and tan fat CLAY [CH] Medium dense light green and brown sitty SAI [SM] Loose tan and orange	JD					
5 3-4-5 6 4-4-5 8 6-6-7 9 5-6-8 11 12 13 14 2-3-5 16 17 18 10 10	9 13 14	Stiff green and tan fat CLAY [CH] Medium dense light green and brown silty SAI [SM] Loose tan and orange	JD.					
7 4-4-5 8 6-6-7 9 5-6-8 11 12 13 14 2-3-5 16 17 18 10 17	13 14 8	Stiff green and tan fat CLAY [CH] Medium dense light green and brown silty SAI [SM] Loose tan and orange	ND					
8	14	Medium dense light green and brown silty SAI [SM]	ND					
10 - 5-0-6 11 - 12 - 13 - 14 - 2-3-5 16 - 17 - 18 - 10 - 10	8	Medium dense light green and brown silty SAI [SM]	ND					
11 — 12 — 13 — 14 — 2-3-5 16 — 17 — 18 — 19 — 19 — 19 — 19 — 19 — 19 — 19	8	[SM]						
14 2-3-5 16 17 18 10 10 10 10 10 10 10 10 10 10 10 10 10	8	Loose tan and orange						
16 — 17 — 18 —		1.1.4.1						
17 — 18 —								
10	1 1 7	Light gray and orange clayey SAND [SC]						
		828 .	07					
20 3-4-4	8	Loose	27		r		2	-
22 — 23 —								
24 — 🛛 3 3 3	4	Very loose light green and grange						
26		very loose light green and orange			1			
27 — 28 —		393						
29 — 🗸	5	Loose tan and orange						
31		117						
32 - 33 -		888						
34	7	Loose						
35 3-4-3 36					1			
37 — 38 —		333						
39 🔻 323	5	Loose tan, gray and orange						
40 - 3-2-3		Boring terminated at 40'	_	-				



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REPORT NO.: 1211903

PAGE: B-208

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT:

CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-11

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 97.36

DATE STARTED: 1/24/05

WATER TABLE (ft): NE

DATE FINISHED: 1/24/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): NA

DEPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	МС	ATTER	RBERG IITS	K (FT./	ORG CONT
EPTH M (FT.) P L E	INCREMENT	771202	1.513	B O L	Section Here	(%)	(%)	LL	PI	DAY)	(%)
0 1 2 3	1-1-1	2		1, 1, 1, 1, 1, 1,	Dark brown poorly graded SAND, with silt [SP-SM] Very loose						
5	2-2-3 2-2-3	5 5		i i	Loose				_		
6 7 8	4-3-4 5-6-5	7 11		111	Medium dense brown clayey SAND [SC]						
9 10 11	6-7-7	14			Stiff light green, gray and orange sandy fat CLAY [CH]			-			
12 — 13 — 14 — 15 — 16 —	2-4-4	8			Stiff						
17 18 19 20 21	3-3-3	6	0000		Light brown and orange clayey SAND [SC] Loose green and orange						
22 — 23 — 24 — 25 — 26 —	2-2-3	5			Loose						4
27 28 29 30 31	1-2-2	4			Tan clayey SAND [SC] Very loose						,
32 — 33 — 34 — 35 — 36 —	1-1-2	3			Very loose tan	15				8	
37 38 39 40	1-1-1	2			Very loose Boring terminated at 40'			,			l lv



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-12

1 of 1 SHEET:

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 92.73

DATE STARTED: 1/21/05 DATE FINISHED: 1/21/05

WATER TABLE (ft): NE DATE OF READING: NA

DRILLED BY: J. STILLSON

NA

EST, WSWT (ft):

T.) P PER 6" VALUE W.T. B O L 1 2 3 4 7 7 8 8 3-3-3 6 9 3-4-3 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DESCRIPTION Brown poorly graded SAND, with silt [SP-SM] Very loose dark brown to orange Loose brown and light green clayey SAND [SC] Loose light brown and orange silty SAND [SM] Loose Tan to white SAND [SP] Medium dense Orange and gray silty SAND [SM]	(%)	(%)	LL	PI	K (FT./ DAY)	CONT (%)
2-1-1 2 3-4 1-2-2 4 5-2-3-4 7 3-4-5 9 3-3-3-3 6 9-3-3-3 7 1-2-3-3 7 1-2-3-3 7 1-3-3-3	Very loose dark brown to orange Loose brown and light green clayey SAND [SC] Loose light brown and orange silty SAND [SM] Loose Tan to white SAND [SP] Medium dense						
5	Loose light brown and orange silty SAND [SM] Loose Tan to white SAND [SP] Medium dense						
3-3-3 6 9 3-4-3 7 1 1 1 2 2 1 3 3 4 5 5-5-6 11 1 1 1 2 2 3 3 4 5 5 5-5-6 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tan to white SAND [SP] Medium dense						
2 - 3 - 4 - 4 - 5 - 6 - 6 - 12 - 6 - 7 - 8 - 9 - 2 - 3 - 4 - 4 - 5 - 5 - 6 - 11 - 1 - 2 - 3 - 4 - 5 - 3 - 4 - 4 - 8	Tan to white SAND [SP] Medium dense						1
7 8 9 5-5-6 11 1 2 3 4 5 3 -4-4 8	Orange and gray silty SAND [SM]				/C ==		
3-4-4 8							
	Gray and orange clayey SAND [SC] Loose	23					
1-2-3 5	Loose gray						
11-17-25 42	LIMESTONE			-			
20-25-19 44	Boring terminated at 40'						



PROJECT NO.: 0795.1400110,0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E., CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT:

CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-13

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 89.04

DATE STARTED: 1/21/05

WATER TABLE (ft): NE

DATE FINISHED: 1/24/05

DATE OF READING: NA

NA

DRILLED BY: R, WOODARD

EST. WSWT (ft):

DEPTH M (FT.) P L	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTEI	RBERG MITS	K (FT,/	ORG.
L E	INCREMENT			Ō		(70)	(70)	LL	PI	ĎAY)	(%)
0 -					Brown poorly graded SAND, with silt [SP-SM]			1			
2 – X	1-1-1	2		1.1	Very loose dark brown and orange						
3 - 🗙	1-1-2	3									
5 — X 6 — X	1-2-1	3		///	Very loose dark brown to orange and tan clayey SAND [SC]				-		
7 8	3-3-3 3-3-2	6 5			Loose,						
9 🗸	3-4-5	9									
10				111							
12 — 13 —											
14 — X	4-5-6	11			Medium dense brown, gray and tan						
16 — 17 —				111							
18											
19 X	2-3-4	7			Loose						
21 — 22 —				111							
23 — 24 — X				T	LIMESTONE						
25	32-18-30	48		T							
26 — 27 —				土							
28 — 29 — X	0.45.45			廿							
30 31	8-15-17	32		干		(-		0			
32				1							
33 — 34 — 35	22-30-25	55		1							
35 36	22-30-23	33		T					0.010		
37 — 38 —				1							
39 —	14-25-26	51	-								
40					Boring terminated at 40'						
11											
								1			



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.
LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-14 S

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 94.66

DATE STARTED: 1/25/05

WATER TABLE (ft): NE

DATE FINISHED: 1/25/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft): NA

EPTH M FT.) P	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	МС		RBERG	K (FT/	ORG
FT.) P L E	INCREMENT	VALUE	****	B O L	BEGONII HON	(%)	(%)	LL	PI	DAY)	(%)
0 — 1 — 2 — 3 —	1-1-1 1-0-1	2		1 (f 1 (f 1 (f	Brown to orange poorly graded SAND, with silt [SP-SM]						
4 — X 5 — X 6 — X	1-0-0	0	-		Very loose.::			-			
7 8	1-0-1 1-1-1	1 2		1 (f. 1 (f.							
9 — X 10 — X 11 —	1-1-1	2		i I II Fri	Very loose						
12 — 13 — 14 — 15 — 16 —	2-3-4	7			Brown clayey SAND [SC] Loose						
17 — 18 — 19 — 20 — 21 —	3-5-6	11			Light green, gray and orange sandy fat CLAY [CH] Stiff						
22 — 23 — 24 — 25 — 26 —	4-5-6	11	(Va)		Gray and orange clayey SAND [SC] Medium dense						V
27 — 28 — 29 — 30 — 31 —	3-4-5	9			Loose						
32 — 33 — 34 — 35 — 36 —	3-4-5	9	(v =0)		Loose light green and orange	C-1					
37 — 38 — 39 — 40 —	2-3-4	7			Tan and orange poorly graded SAND, with clay [SP-SC] Loose Boring terminated at 40'						
					Boring terminated at 40'						



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC. CLIENT:

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-15

1 of 1 SHEET:

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 90.57

DATE STARTED: 1/21/05 DATE FINISHED: 1/21/05

WATER TABLE (ft): NE

DRILLED BY: J. STILLSON

DATE OF READING: NA EST. WSWT (ft): TYPE OF SAMPLING: ASTM D-1586

0 1 2 2-3 3 4 1-3 5 1 1-6 7 1-8 1-9 2-5 11 12 13 14 17 17 17 17 17 17 17 17 17 17 17 17 17	2-1 3 2-1 3 1-1 2 1-1 2 1-1 4	W.T. MB OC L	DESCRIPTION Brown to orange poorly graded SAND [SP] Very loose Very loose	(%)	(%)	LL	PI	K (FT./ DAY)	CONT (%)
0	2-1 3 1-1 2 1-1 2 1-1 2		Very loose						
2	2-1 3 1-1 2 1-1 2 1-1 2		Very loose						
3	2-1 3 1-1 2 1-1 2 1-1 2		Very loose						
5 1- 6 7 1- 8 1- 9 2-5 10 11 12 13 14	1-1 2 1-1 2								
7 8 1- 9 10 2-2	1-1 2								
8 1- 9 2-3 10 1- 11 1- 12 13 14									
10 2-4 11 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14	2-2 4		1		I				
12 - 13 - 14		1 100	Very loose	V	1.0	ļ			
14		777	Gray and orange clayey SAND [SC]	-					
14 - 💢 5-	7-7 14	1/2/	Medium dense						
16	7-7	111	Medium dense			1			
17 —		111							
19 3-5 20 21 3-5	5-7 12		Medium dense						
22 23		111							
24 25 4-5	5-7 12	111	Medium dense						
26 — 27 —									
28	1	222	Loose tan to white silty SAND [SM]	-					
30 31 31	1-5 9	16 f.1 17 f.1 17 6/1			1		0		
32 — 33 —		1: f. 1: 1 1: 1: 1 1: 1: 1							
34 4-5	5-6 11		Stiff orange and gray CLAY [CH], with sand and limestone fragments	(a)			vo = n		
36 — 37 —									
38 — 2-2	2-2 4		Soft.		1 1 1				
40 2-2	2-2 4	1///	Soft Boring terminated at 40'		-		-	-	



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

LOCATION: SEE BORING LOCATION PLAN

CPH ENGINEERS, INC.

REMARKS:

CLIENT:

BORING NO: P-16

SHEET:

1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 88.25

DATE STARTED: 1/21/05 DATE FINISHED: 1/21/05

WATER TABLE (ft): NE

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft):

NA

PTH M	BLOWS PER 6"	N VALUE	W ₋ T ₋	S Y M B	DESCRIPTION	-200	MC (%)	ATTEI	RBERG IITS	K (FT_/	ORG CONT
i E	INCREMENT			O L		(%)	(%)	LL	PI	DAY)	(%)
0				32.0	Brown poorly graded SAND, with silt [SP-SM]						
1 2	1-1-1	2		1 H. 1 H.	Very loose dark brown to orange						
3 - 🗙	1-1-2	3		11:11	very loose dark brown to drange						
5	1-1-2	3	la ni	1 6	Very loose			4			
6	2-1-2	3		TT TT	very loose						
7 8	2-2-2	4		1.1							
9 - 🛛	3-4-4	8		1:1:	Very loose light brown and tan						
10				1.4 1.4	,						
12 —				1 - 1							
14 - 🔽	3-3-4	7		11							
15	3-3-4	7		111	Loose light brown and tan clayey SAND [SC]	1					
17				111							
18				111							
20 -	3-3-4	7		///	Loose	22			V = /	3	
21 —				111							
3				111							
24	3-4-6	10		1//	Loose light green, orange and gray						,
6-				111							
27 —				44	LIMEOTONE.	4					
9 🛛	4-7-23	30		T	LIMESTONE	1					
11											
2 3				T							
4-7	3-2-3	5		H							
56	3-2-3	,	1	T				0			0
7			H	H							
38		122									
10	6-11-12	23			Boring terminated at 40'	-		0.00			
- 11					Dorning termination at 10						
1.1											



PROJECT NO.: 0795,1400110.0000

REPORT NO.: 1211903 PAGE:

PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-17

1 of 1 SHEET:

B-214

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 93,50

DATE STARTED: 1/25/05

WATER TABLE (ft): NE

DATE FINISHED: 1/25/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft):

NA

EPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	МС	ATTER	RBERG	K ÆT/	ORG CON
FT.) P L E	INCREMENT	VALUE	VV	B O L	DESCRIPTION	(%)	(%)	LL	PI	(FT./ DAY)	(%)
0				9/19/	Brown to orange poorly graded SAND, with silt			-			
1 - X	1-1-1	2		1 . 1	[SP-SM] Very loose						
3-	WOH-1	1			very loose,						
5 — X	1-1-0	1 -1		1 I. 1 I	Very loose						
6 - 3	1-1-1	2		1.1							
8 — X 9 — V	1-2-1	3		1 1							
10	1-1-1	2		1 E	Very loose			1	0		
11 —				1.1							
13 — 14 — X				1 P 1 F							
15	4-4-3	7		1.1	Loose	-					
16 — 17 —		}		L							
18	0.50			1 : f 1 : f							
19 20	4-5-5	10		1.4	Loose	-					
21 — 22 —				11.71							
23				///	Gray and orange clayey SAND [SC]						
24 — X 25 — X	3-5-5	10			Loose	34		-		4	
26 — 27 —											
28 —				1//	Firm gray and orange sandy fat CLAY [CH]	-					
29 — X 30 —	1-2-4	6			and stange carry and a region,						
31 — 32 —											
33 —											
34 — 🔀	2-4-6	10			Stiff				0100		
36 — 37 —											
38				111	Light green and tan clayey SAND [SC]	1					
39 — 📈	3-4-6	10			Loose						
					Boring terminated at 40'						
- 11											
		1	1			1					



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REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E, CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN REMARKS:

BORING NO: P-18

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 89.22

DATE STARTED: 1/21/05

WATER TABLE (ft): NE

DATE FINISHED: 1/21/05

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft): NA

DEPTH M (FT.)	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	MC (%)	ATTER	RBERG MITS	K (FT./	ORG.
(F1.)	INCREMENT			B O L		(%)	(%)	LL	PI	DAY)	(%)
0 1 2 3	2-1-1	2			Brown poorly graded SAND [SP] Very loose dark brown to orange						
4 5 6 7	1-1-1 1-1-1 1-1-1	2 2 2			Very loose::.						
8 9 10 11	1-1-1 1-2-2	4	-		Very loose						
12 — 13 — 14 — 15 16 —	2-2-2	4			Very loose gray and grange clayey SAND [SC]						
17 — 18 — 19 — 20 — 21 —	3-4-5	9			Loose gray	35				2	
22 — 23 — 24 — 25 — 26 —	4-6-11	17			Medium dense						
27 — 28 — 29 — 30 — 31 —	3-5-6	11			Medium dense gray and orange						
32 — 33 — 34 — 35 — 36 —	7-8-9	17			Light green and orange silty SAND [SM] Medium dense						
37 38 39 40	4-7-10	17			Very stiff gray and orange sandy fat CLAY [CH] Boring terminated at 40'						
					•						



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REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.
LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-19

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8\$

RANGE: 18E

GS ELEVATION(ft): 87.62

DATE STARTED: 1/21/05

WATER TABLE (ft): NE

DATE FINISHED: 1/21/05

DATE OF READING: NA

DRILLED BY: R. WOODARD

EST. WSWT (ft):

NA TYPE

EPTH M PER 6 INCREM 1-1-2-5 1-1-2-9 1-2-7	2 3 1 3 1 2 1 2	W.T. B O L	DESCRIPTION Brown poorly graded SAND [SP] Very loose Very loose dark brown to orange silty SAND [SM]	(%)	(%)	LL	PI	K (FT./ DAY)	CONT (%)
1 -1-1-2 3 - 1-1-2-1 5 - 1-1-1 6 - 1-1-1 8 - 1-2-1	1 3 1 2 1 2	1 5.1. 1 1 5.1. 1 1 5.1. 1 1 5.1. 1 1 5.1.	Very loose						
1-2- 5 1-1- 6 7 1-1- 8 1-2-	1 2 1 2	(Very loose dark brown to orange silty SAND [SM]			1			
6 7 1-1-7 8 1-2-7	1 2	163 (53) 63 1 17 (1) 47 (17) 6 16 (1) 6							
8 1-2-	1	2014							
0 \	1 3								
		1 Tr 4 14 0 121 1	Loose						
11		11. L AC 9 41. L AC 9 1. J C A 1							
12 — 13 —		# 1,4 4 # 1,4 4 % (,4 4							
14 - \	4 7	# (31) 4 (2) 3.3 1.3 1.3	Loose						
15 4-3-4 16 4-3-4	(A)	1.1.1.1							
17 18 		7.67 7.67	Light brown, orange and tan clavey SAND [SC]						
19 - 17 6	3 13		Medium dense						
20 4-7-6 21 4-7-6	-131		Median delice						
22 —		122							
24 \	12	1//	Medium dense						
25 4-5-7 26 4-5-7	- 10	111	Wedum dense						()
27 —			Light brown to tan silty SAND [SM]						
29 - 246	10	113	Loose light tan to white						
30 3-4-0	10	153	Loose light tall to write)	
32									
33 - 3-4-3	3 7	1.1.1.1	Loope						
35 - 3-4-3	,		Loose				010.0		
37		1.1.4.4							
38 - 39 - 3 2 2		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
2-2-3	5		Boring terminated at 40'						



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-20

TOWNSHIP: 8S

SHEET:

1 of 1

RANGE: 18E

GS ELEVATION(ft): 91.91

DATE STARTED: 1/24/05

DATE FINISHED: 1/24/05

WATER TABLE (ft): NE DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EST. WSWT (ft):

SECTION: 15/16

PER 6" ICREMENT	VALUE	W,T,	M B	DESCRIPTION	-200 (%)	(0/)	LIM		(FT_/	
			O L		(70)	(%)	LL	PI	DAY)	CONT (%)
2-2-1	3			Very loose brown to orange poorly graded SAND, with silt [SP-SM]						
	1		1 1							
				very loose.,.						
2-1-2	3		1-1	Very loose light brown						
3-3-3	6		1 1	Loose brown and orange.						
4-4-3	7		1 (1 (1 (1 (1 (Loose brown.						
5-6-7	13			Stiff gray and orange sandy fat CLAY [CH]						
4-4-6	10			Stiff gray, orange and light green				100		
5-6-6	12			Stiff light green and orange)()			
3-4-5	9			Stiff gray, tan and orange						
3-5-6	11			Stiff brown, gray and orange						
	1-0-1 1-1-1 1-1-1 2-1-2 3-3-3 4-4-3 5-6-7	1-0-1	2-2-1 3 1-0-1 1 1-1-1 2 1-1-1 2 2-1-2 3 3-3-3 6 4-4-3 7 5-6-7 13 4-4-6 10 5-6-6 12	2-2-1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2-2-1 3 with silt [SP-SM] 1-0-1 1 1	2-2-1 3	2-2-1 3	2-2-1 3 i with silt [SP-SM] 1-0-1 1 i very loose 1-1-1 2 i very loose light brown 2-1-2 3 i very loose light brown 1 Loose brown and orange 4-4-3 7 l Loose brown 1 i very loose light brown 1 very loose light brown 2 very loose light brown 3 very loose light bro	2-2-1 3	2-2-1 3 i with silt [SP-SM] 1-0-1 1



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REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-21

SHEET: 1 of 1

18E

SECTION: 15/16 TO

TOWNSHIP: 8S RANGE:

GS ELEVATION(ft): 87.83

DATE STARTED: 1/21/05

WATER TABLE (ft): NE

DATE FINISHED: 1/21/05

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST_WSWT (ft): NA T

BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	MC			K (FT/	ORG.
INCREMENT			ÖL		(%)	(%)	LL	PI	DAY)	(%)
1-2-2	4		1.1	Brown poorly graded SAND, with silt [SP-SM] Very loose						
1-1-2 1-2-1 1-2-1	3 3 3		1 E 1 E	Very loose dark brown to orange						
1-2-2	4 5			Loose orange and gray clayey SAND [SC]						
5-6-6	12			Medium dense						
8-8-8	16			Medium dense			-			
6-9-10	19			Medium dense gray and orange silty SAND [SM], with limestone fragments						
6-10-10	20			Medium dense gray and brown clayey SAND [SC], with limestone fragments						
14-14-15	29	- 0.0		LIMESTONE	n o-coco					
20-19-16	35			Boring terminated at 40'						
	1-2-2 1-1-2 1-2-1 1-2-1 1-2-2 1-2-3 5-6-6 8-8-8 6-9-10	PER 6" INCREMENT VALUE 1-2-2	PER 6" INCREMENT VALUE W.T. 1-2-2	PER 6" VALUE W.T. M B O L 1-2-2 4 1-1-2 3 1-2-1 3 1-2-1 3 1-2-2 4 1-2-3 5 5-6-6 12 8-8-8 16 6-9-10 19 1 1 1 1 1 1 1 1	DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPT	DESCRIPTION 1-2-20	DESCRIPTION 35 DESCRIPTION 35 DESCRIPTION 35 DESCRIPTION 36 DESCRIPTION 37 DESCRIPTION	DESCRIPTION 10 C C C C C C C C C	DESCRIPTION Company DESCRIPTION DESCRIPTION Company DESCRIPTION Company DESCRIPTION Company DESCRIPTION Company DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION Company DESCRIPTION DESCRIPTION	DESCRIPTION Company Company



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC...
LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-22

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 86.92

DATE STARTED: 1/21/05 DATE FINISHED: 1/21/05

WATER TABLE (ft): NE

DRILLED BY: B MOODAE

DATE OF READING: NA

DRILLED BY: R. WOODARD

TYPE OF SAMPLING: ASTM D-1586

DEPTH M	BLOWS PER 6"	N VALUE	w.T.	S Y M	DESCRIPTION	-200	МС	ATTE	RBERG	K (FT./	ORG.
(FT.) P L E	INCREMENT	*/\LoL		ВОЬ	BESSIAI TISIX	(%)	(%)	LL	PI	DAY)	(%)
0					Brown and tan poorly graded SAND [SP]						
2 -X	1-2-2	4									
3 - 🗙	3-2-1	3			Very loose dark brown to orange						
5 — X	WOH	WOH		in air		1			0 1		/
7 (1-1-1	2									
8 9	1-1-1 1-2-2	2 4									
10	1-2-2	4			Very loose dark brown to orange clayey SAND [SC]						
12 — 13 —											
14 —X 15	3-3-4	7			Loose	23				3	
16 — 17 —											
18				11							
19 — X	3-6-7	13	-		Medium dense brown, gray and orange			-			
21 — 22 —					Gray and orange sandy fat CLAY [CH]						
23 — 24 — X	0.40	40	1								
25 26	2-4-6	10			Stiff	1		1	0 0		
27 — 28 —					Gray and orange clayey SAND [SC]						
29 😾	5-9-9	18			Medium dense						
30		1 10 50 17			.,						
32 — 33 —											
34 35	3-6-8	14	-		Medium dense tan and orange						
36											
37 — 38 —			E								
39 40	3-5-7	12		111							
					Boring terminated at 40'						



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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-23

1 of 1 SHEET:

SECTION: 15/16

TOWNSHIP: 8S

18E RANGE:

GS ELEVATION(ft): 81.02

DATE STARTED: 1/19/05 DATE FINISHED: 1/19/05

WATER TABLE (ft): NE

DRILLED BY: J. STILLSON

DATE OF READING: NA

EST, WSWT (ft):	NA	TYPE OF SAMPLING: ASTM D-1586

EPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	MC	ATTER	BERG ITS	K (FT_/	ORG CONT
T.) P L E	INCREMENT			B O L		(%)	(%)	LL	PI	DAY)	(%)
0				330	Brown poorly graded SAND [SP]						
$\frac{1}{2}$	10-10-10	20		1 1							
3	8-9-7	16			Medium dense dark brown to orange silty SAND [SM]						
5	2-2-2	4	-		Very loose dark brown to orange clayey SAND						
6 🗡	2-3-5	8		111	[SC]						
8 – X	4-4-5	9		111	Loose gray and orange						
9	4-5-6	11		///	Medium dense	V0 3					
11 —			1	///							
12 13											
14 X	4-5-7	12			Medium dense						
16				///							
17 — 18 —			ŀ								
19 📈	5-6-7	13	1	111	Medium dense						
21 —			1	111							
22 - 3				111	Hard green and orange sandy fat CLAY [CH]						
24 - 🗸	7-12-19	31									
25		10 13 A 11									
27 — 28 —				111	Medium dense orange clayey SAND [SC]						
29 - 🔽	4-7-8	15		12							
30	1.0	0,00	1						0.00		9
2					LIMESTONE						
33 - 34 - 7	4-7-4	11	1								
35 36	(007007000)	100 = 7		口		(1.000)					
37			1	中							
38	12 10 10	00	F	T							
10	12-10-12	22			Boring terminated at 40'			1			
										1	
										h = 1	-



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-24

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 77.52

DATE STARTED: 1/25/05

WATER TABLE (ft): NE

DATE FINISHED: 1/25/05

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft): NA

SEPTH No. No	K (FT./ CON DAY) (%
1	
2	
4 2-2-2 4	
6 1-2-2 4 8 3-5-6 11 9 4-5-8 13 11 12 13 14 14 15 15 16 17 18 19 22 22 23 24 24 25 25 25 25 25 25	
8	
10 4-9-6 15 Medium dense orange and gray 14 4-8-9 15 Medium dense 18 19 4-8-9 17 Medium dense 21 22 23 Medium dense 22 4-8-9 17 Medium dense 23 24 25 6-9-11 20 Medium dense 24 25 10-10-26 36 Medium dense 25 Medium dense 26 Medium dense 27 Medium dense	
12	
13	
15	
17	
19	
20 4-8-9 17 Medium dense 21 22 23 24 26 27 28 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20	
22	10 8
24	
25	
27 — 28 — 29 — 10-10-26 36 — 33 — 33 — 34 — 18-20-20 40 — 36 — 37 — 38 — 39 — 40 — 18-10-21 31	
29	
30 - 33 - 33 - 33 - 33 - 33 - 33 - 33 -	
32 — 33 — 34 — 18-20-20 40 — 38 — 38 — 38 — 38 — 38 — 38 — 38 — 3	1110 000 00
34	
33 — 33 — 33 — 33 — 33 — 34 — 34 — 34 —	
38	
39 18-10-21 31	



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.
LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-25

SHEET: 1 of 1

TOWNSHIP: 8S RANGE:

ANGE: 18E

GS ELEVATION(ft): 91.15

SECTION: 15/16

DATE STARTED: 1/24/05

WATER TABLE (ft): NE

DATE FINISHED: 1/25/05

DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EST WSWT (ft): NA TY

EPTH M	BLOWS PER 6"	N VALUE	W.T.	S Y M B	DESCRIPTION	-200	MC (%)	ATTER	RBERG IITS	K (FT./	ORG CON
「」) E	INCREMENT			O L		(%)	(%)	LL	PI	DAY)	(%)
0-				136	Very loose brown poorly graded SAND, with silt						
1 2	1-1-1	2			[SP-SM]						
3 - 3	1-2-1	3		11	Very loose dark brown and orange clayey SAND [SC]						
5 — X	2-1-1	2		11	[50]	-		-			
6 X	2-2-4	6		11	Loose						
8 X	3-4-7	11	1	111	Loose light brown very clayey						
10	5-7-9	16			Very stiff orange and tan sandy fat CLAY [CH]			-			
11 — 12 — 13 — 14 — 15	3-5-6	11			Stiff light green and orange						
16											
17 —				11	Lose gray and tan clayey SAND [SC]						
19 📉	3-5-5	10		11							
21 —				//							
22 —				//							
24 — 🗙	3-5-4	9		//	Loose tan and yellow	16				9	
26 — 27 —				//							
28				//							
29	3-4-4	8		//	Loose tan and orange						
31 — 32 —	/ /		4	11	Chiff areas and tan aready CLAV [CLI] with						
33		1			Stiff gray and tan sandy CLAY [CH], with limestone fragments						
34 📉	7-7-5	12	8								
36 — 37 —											
38			8								
39	9-13-15	28			LIMESTONE						
				- 1	Boring terminated at 40'						11



PROJECT NO.: 0795.1400110.0000

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CPH ENGINEERS, INC. CLIENT: LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-26

TOWNSHIP: 8S

SHEET:

RANGE:

1 of 1

18E

GS ELEVATION(ft): 87.43

DATE STARTED: 1/21/05

SECTION: 15/16

WATER TABLE (ft): NE

DATE FINISHED: 1/21/05

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft): NA TYPE OF SAMPLING: ASTM D-1586

EPTH M FT.)	BLOWS PER 6"	N VALUE	W.T.	S Y M	DESCRIPTION	-200	МС		RBERG IITS	K (FT./	ORG.
FT.) P L E	INCREMENT			B O L		(%)	(%)	LL	PI	DAY)	(%)
0 — — — — — — — — — — — — — — — — — — —	1-2-2 1-2-2 1-2-2	4 4 4			Very loose dark brown to orange poorly graded SAND, with silt [SP-SM]						
6 7 8 9	1-2-3 2-3-4 4-5-7	5 7 12			Dark brown to orange clayey SAND [SC] Loose dark brown Medium dense						
11 — 12 — 13 — 14 — 15 — 16 —	4-9-11	20			Medium dense light green						
17 — 18 — 19 — 20 — 21 —	5-6-10	16			Medium dense						
22 — 23 — 24 — 25 26 —	4-5-8	13			Light gray and orange silty SAND [SM] Medium dense			0.00			
27 — 28 — 29 — 30 — 31 — 32 —	3-4-5	9	1		Loose	i katina ia					
33 — 34 — 35 36 —	3-3-5	8			Loose gray and orange clayey SAND [SC])0 o o			
37 38 39 40	20-10-20	30			LIMESTONE Boring terminated at 40'						



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441

ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-27

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 85.77

DATE STARTED: 1/20/05

WATER TABLE (ft): NE

DATE FINISHED: 1/20/05

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft): NA TYPE OF SAMPLING: ASTM D-1586

EPTH M FT.)	BLOWS	N		S Y M	DEGODISTICAL	-200	МС	ATTER	RBERG	K (FT./	ORG.
T) P L E	PER 6" INCREMENT	VALUE	W,T.	B O L	DESCRIPTION	(%)	(%)	LL	PI	(FT./ DAY)	(%)
0				1,1	Brown poorly graded SAND, with silt [SP-SM]						
2 — X	4-4-4	8		111	Loose dark brown to orange clayey SAND [SC]						
4 5	3-2-3 3-3-3	5		///							
6	3-4-5	6 9		111	Loose			1			
7 8	5-6-6	12		///	Medium dense						
9 10	5-6-8	14			Medium dense						
11											
12 —			6	111							
14 15	7-10-15	25	1	111	Medium dense gray and orange						
16 — 17 —			1								
18											
19 X	4-7-10	17			Medium dense						
21 — 22 —				///							
23 — 24 — X					Light gray and orange silty SAND [SM]						
25	7-6-5	11			Medium dense	h (-			
26 -						111					
28 - 29 - 2	75.00		1								
30	4-4-4	8	l i		Loose				0.0		0.11
31 -			1	10 1 4 10 1 4 10 1 4							
33	222	_									
35	2-2-3	5	1		Loose			-			
37		1		11	Gray and orange clayey SAND [SC]	-					
38 39	1-2-2	4		12	Very loose						
40					Boring terminated at 40'						
	1										



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S., HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-28

SHEET: 1 of 1

18E

TOWNSHIP: 8S RANGE:

GS ELEVATION(ft): 80.41

DATE STARTED: 1/19/05

WATER TABLE (ft): NE

DATE FINISHED: 1/19/05

DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft):

SECTION: 15/16

DEPTH M (FT.)	BLOW\$ PER 6"	N VALUE	w.T.	S Y M B	DESCRIPTION	-200	MC	ATTE	RBERG IITS	K (FT./	ORG CONT
(FT.) P	INCREMENT			Ŏ L		(%)	(%)	LL	PI	DAY)	(%)
0 1 2 3	2-2-2	4			Very loose dark brown to orange poorly graded SAND, with silt [SP-SM]						
5	2-1-2 2-2-2	3	1 4	1//	Dark brown to orange clayey SAND [SC]						
6	2-2-2	4	1	111							
7	2-2-2	9		111	Very loose						
8 9	1		1 8	11/	Loose dark brown to orange & gray						
10 11 12	3-6-8	14			Medium dense						
13 — 14 — 15 16 —	4-7-9	16			Medium dense light gray and orange			0 = 1			
17 — 18 — 19 — 20 — 21 —	4-6-5	11			Medium dense						
22 — 23 — 24 — 25 — 26 —	3-6-7	13			Medium dense light gray				10		
27 28 29 30 31	2-3-8	11			Weathered LIMESTONE						
32 — 33 — 34 — 35 — 36 —	11-5-1	6									
37 38 39 40	20-12-50/1"	50/1"			Boring terminated at 40'						
					g						
- 11											



PROJECT NO.: 0795.1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC. LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-29

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 77.45

DATE STARTED: 1/19/05 DATE FINISHED: 1/19/05

WATER TABLE (ft): NE
DATE OF READING: NA

DRILLED BY: J. STILLSON

EST. WSWT (ft): NA

DEPTH M (FT.)	BLOWS PER 6"	N VALUE	W T	S Y M B	DESCRIPTION	-200	MC	ATTE	RBERG /IITS	K (FT./	ORG.
(FT.) P	INCREMENT			O L		(%)	(%)	LL	PI	DAY)	(%)
0				200	Brown poorly graded SAND [SP]						
2	5-5-7	12			Medium dense dark brown to orange silty SAND						
3 4	4-4-5	9			[SM]						
5 —X	2-3-5	8		1111	Loose		-	-	0.00		1
6 7	4-5-6	11		(1113 (111)							
8 — X	5-6-6	12			Stiff gray and orange sandy fat CLAY [CH]						
10	4-7-9	16		44	Very stiff						
11 —				111	Gray and orange clayey SAND [SC]						
13 —				111							
14	4-5-7	12	/	111	Medium dense				L-10-A		
16 — 17 —				111							
18		1		111							
19 📉	3-6-7	13		111	Medium dense gray and brown						
21				111							
22 - 23 -					Stiff gray and orange CLAY [CH]						
24 25	3-4-9	13		44	Weathered LIMESTONE						
26				1.							
27 — 28 —				T							
29	2-3-3	6	-								
30				井				1			
32				过				1			
33 —	5-4-3	7	1	芋							
35 36	5-4-5	'		中				-			
37			1	Ţ,							
38 - 39 - 7			F	H							
40	P-P-4	4	-		Boring terminated at 40'			-			
						1					
						- 1					



PROJECT NO.: 0795_1400110.0000

REPORT NO.: 1211903

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PROJECT: WALMART STORE NO. 3873-00

S.E. CORNER OF I-75 AND U.S. HIGHWAY 441 ALACHUA, ALACHUA COUNTY, FLORIDA

CLIENT: CPH ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

BORING NO: P-30

SHEET: 1 of 1

SECTION: 15/16

TOWNSHIP: 8S

RANGE: 18E

GS ELEVATION(ft): 89.53

DATE STARTED: 1/25/05

WATER TABLE (ft): NE

DATE FINISHED: 1/25/05

DATE OF READING: NA

DRILLED BY: M. BOATRIGHT

EST. WSWT (ft): NA TYPE OF S

DEPTH M P L E	BLOWS PER 6" INCREMENT	N VALUE	W.T.	S Y M B O L	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT./	ORG.
								LL	PI	DAY)	(%)
0				350	Very loose brown poorly graded SAND, with silt			-			
2 X	1-1-1	2		1.1.	[SP-SM]						
3 4	2-3-4	7		///	Loose dark brown clayey SAND [SC]						
5 - X	5-5-6	11		///		-		W-10			
6 — 🗙	4-5-5	10		111							
8 – X	5-4-3	7		111							
9	2-2-3	5	1	///							
11 - 12 -				///		1					
13				122							
14	4-6-9	15		122							
16				111							
17 — 18 —					Stiff brown and orange sandy fat CLAY [CH]						
19 🔻	4-6-6	12									
20 21									//		
22 —											
24	4-5-6	11			Stiff light green and tan						
25 	4-3-0	mikko n			Still light green and tan			1			2000
27											
28 —											
30	3-3-5	8			Stiff light green and orange	-			0.0		
32											
33 - 34 - X		3		111	Medium dense brown, orange and tan clayey SAND [SC]						
35	3-5-6	11		///	ONIND [GC]			land.			
36 37			1	///							
38			t	///							
39	5-6-9	15		111	Medium dense tan and orange				laa sii		A .
					Boring terminated at 40'						
11	. 1										
- 11											
			1								
		1								1	