MINING SITE PLAN AMENDMENT

FOR

HAWTHORNE PROPERTIES, LTD.

(F/K/A Bishop & Buttrey, Inc.) Excavation Project

MSP #96/2/2-2

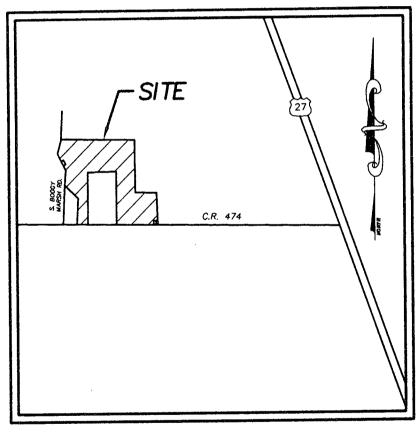
Prepared For:

Hawthorne Properties, Ltd. Post Office Box 289 Windermere FL 34786 (407) 858-0808 Prepared By:

Wicks Consulting Services, Inc. 225 West Main Street Tavares FL 32778 (352) 343-8667

July 24, 2001 Revised August 10, 2001

8/30/01



LOCATION MAP SCALE: 1"=2000'

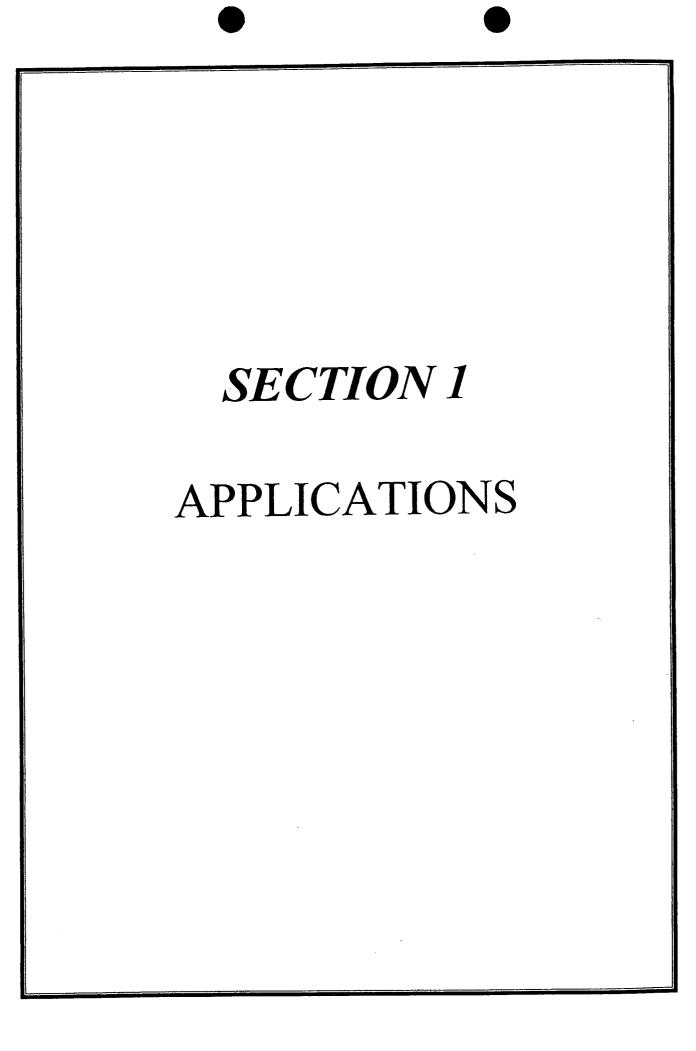
Mining Site Plan Amendment Hawthorne Properties, Ltd.

Introduction

Mining Site Plan approval for the Bishop & Buttrey Excavation Project was granted by Lake County under MSP #96/2/2-2. A subsequent Operating Permit was issued April 11, 1996 for the project. The project involves the removal of clean sands and clay soils from the site for use in local construction projects. The removal of the soil was planned and conducted to conform to the final grading plan for the Pot of Gold Subdivision. The subdivision was proposed to be constructed as the major component of the project Reclamation Plan.

The purpose of this amendment is to eliminate the construction of the subdivision and to create a recreational lake. Final project reclamation will include the recreational lake with the remainder of the area returned to open space.

The land area encompassed by the approved MSP is currently under the ownership of Hawthorne Properties, Ltd. and Bishop and Buttrey, Inc. The property owned by Bishop and Buttrey, Inc. is not included in the requested amendment. It will be handled separately from this request.



LAKE COUNTY MINING AND EXCAVATION SITE PLAN APPLICATION FORM AMENDMENT

For Off	fice Use Only: Application No	District No	Fee	Receipt No
GENERA	AL INFORMATION			
	Hawthorne Properties, Ltd.			
Mine or Pr	oject Name			
			10.11	
Location of	North side of CR 474 — Approxim f Mine or Project	nately 1 mile west of t	JS HWY 21	
	,		Sec. 22.8	27 Twp 24 S Rge 26 E
			-	
 	Removal of excess overburden -	 clean sand and cla 	yey sands &	creation of a recreational lake
Type of Hi	ning Activity			
	Active Mine MSP #96/2/2-2	Operating Pe	rmit #95-12-9	970P
Present Use	e and Joning of Property			
١.	OWNER			
	Hawthorne Properties, Ltd.		(4	07) 296-0016
Name	Trawmome Troperties, Etc.			ephone No.
	See enclosed information			
Address				
,	OPERATOR OR APPLICANT			
2.	OPERATOR OR APPLICANT			
	Hawthorne Properties, Ltd.		• • • • • • • • • • • • • • • • • • • •	
Name			lek	ephone No.
	D. O. Davidos	ara El 24796		
Address	P. O. Box 289 Winderm	nere FL 34786		
3.	PROPOSED DATES OF COMMENCEMENT	AND COMPLETION OF	MINING	
	Currently active Mine			
4.	LEGAL DESCRIPTION OF MINE OR PRO	DIECT		
		ched Exhibit A		
	The requested amendment does	not include the Rich	n & Buttrey	property ownership
	rne requested americment does	TIOL ITICIQUE LITE DISTI	טף פג טענוופץ]	property ownership.

Information for application continues on following pages
(Include this sheet as first page of bound application)

The following additional information is provided in compliance with Chapter 6.06.03 of the Lake County Land Development Regulations and tracks both the language of the Code and the checklist included in Appendix A.

- Ownership of all property within three hundred (300) feet of the property included in the Mining Site plan application has been researched. The ownership records and information was obtained from the Lake County Property Appraiser's Office. The ownership information is included as part of the application for Mining Site Plan Amendment, Appendix A, of this report.
- During the excavation and site reclamation process, no buildings are proposed. The access driveway to the project is shown on the project plans. A land use map and aerial photograph is also enclosed. There are no existing buildings on the project site.
- 7. A traffic analysis was submitted as part of the original Mining Site Plan. No increase in project traffic is proposed.
- 8. The sanitary wastewater needs of the project will continue to be met via portable toilet facilities and containerized drinking water. These facilities are adequate since no permanent structure or residences are proposed. No hazardous materials will be stored or used on site. The earth moving equipment is fueled and services by a transient service vehicle, consequently, no fuel is stored on the project site.
- 9. A permit has been obtained from the St. Johns River Water Management District for the project. This permit will be modified to reflect the changes in the Reclamation Plan.
- 10. There are approximately 3 acres of wetlands on site. A Land Use and Cover Classification Map was previously submitted as part of the Mining Site Plan. There are no wetland alterations proposed as part of this project.
- 11. The upland areas were also identified on the FLUCCS map. A total of 78 acres of upland soils have been identified within the project. The uplands historically consisted of relic citrus lands. An aerial photograph is enclosed to show current site conditions.
 - Reclamation is now proposed to create a recreational lake and open space.
- 12. Project plans were included in the original Site Plan and Operating Permit. Revised plans are enclosed which shown the revised project.
- 13. The Mining Site Plan was approved for 47 acres including the buffer zones. (36 acres of extraction and 12 acres of setbacks). Overburden or unsuitable

materials will be stockpiled within the mining area and retained for use during the reclamation process. A waterbody will now be created as part of the project reclamation. Plan views and cross sections are enclosed.

- 14. The project has been approved for two (2) phases.
- 15. A cross-sectioned drawing was previously included in the Hydrogeologic Report. This information is not included in this report.
- 16. A Hydrogeologic Report was submitted as part of the original Mining Site Plan.
- 17. An Environmental Report was submitted as part of the original Mining Site Plan.
- 18. A revised Reclamation Plan is enclosed.
- 19. The project Reclamation Plan involves the creation of a recreational lake and open space.
- 20. No additional site specific information is submitted at this time.

Lake County, Florida DEPARTMENT OF GROWTH MANAGEMENT

MINING SITE PLAN AMENDMENT

PUBLIC	CHEARING NUMBER: STAFF PLANNER INTL: DATE:
	FILING FEE:
(1) PR	OJECT NAME: Hawthome Properties, Ltd. (f/k/a Bishop & Buttrey, Inc. Excavation Project)
	OWNER'S NAME: Charles E. Hawthome
	COMPLETE MAILING ADDRESS: P. O. Box 289 Windermere FL 34786
	TELEPHONE NUMBER: (407) 858-0808 E-Mail Address
(2)	APPLICANT'S NAME: Charles E. Hawthome
,	COMPLETE MAILING ADDRESS: P. O. Box 289 Windermere FL 34786
	TELEPHONE NUMBER: (407) 858-0808
(3)	The Property Is Generally Located In The Vicinity Of The Following Streets:
` '	CR 474 and South Boggy Marsh Road
(4)	Area of Property: Square Feet:/ Acres: 64.68 (parent tract)
	30 (MSP area)
(5)	Does Property have or will have: Central Water & Sewer OR Well And Septic Tank
(-)	Port-o-Let and containerized water
(6)	Present Zoning of Property: A + MSP #96/2/2-2
(7)	Future Land Use Designation: Rural Conservation
(8)	List Existing Structure(s) located on site and its use: None
(0)	
(9)	The Property is to be used for: extraction of sand and clay under currently approved Mining
` '	Site Plan and Operating Permit
(10)	*Applicant is hereby requesting an amendment to MSP #96/2/2-2 (Existing File Number)
` '	OR An application for a Mining Site Plan in accordance with Chapter 6.06.00 (LDR's)
(11)	Is this application, for the above, being requested due to any Code Violation(s)? Specify the
(11)	basis or reason(s) for this request: No
	badio of testing,
(12)	Has any previous application been filed in connection with this property:
(/	YES Or NO If YES, briefly describe the nature and outcome of the request
	MSP #96/2/2-2 (1996) approved

^{*}Amendment is for Hawthome Properties, Ltd. ownership only

)	If the project is to be developed in phases, give a brief description of how it will be phased or attach a legible descriptive document. Project is currently approved for 2 phases
i)	Please attach the exact legal description for the property being petitioned. A legible TAX RECEIPT or PROPERTY RECORD CARD and a copy of the WARRANTY DEED are required. A current survey of such property may also be required.
)	SURROUNDING PROPERTY OWNERS LIST (Provided by County Staff, for which applicant will be billed as part of application fees).
	Complete names and addresses of Property Owner's of property lying within FIVE HUNDRED FEET (500') surrounding the property legally described on PAGE 2 of this application. Names will be obtained from the latest Official County Tax Rolls, as recorded, located in the Office of the Lake County Property Appraiser.

OWNER'S AFFIDAVIT

STATE OF FLORIDA)	
COUNTY OF LAKE)	
	ed authority personally appeared Charles E. who being by me first duly sworn on oath, deposes and
says:	in a dead this configation
 That he/she is the fee-simple 	e owner of the property legally described on this application.
 That he/she desires a Mini- stated on page one of this A 	ng Site Plan to accomplish the above desired request, as pplication.
3. That he/she has appointed to act as Agent to accomplis	(Owner's Signature)
STATE OF FLORIDA COUNTY OF LAKE The foregoing instrument was acknowledge 20 o	MOTARY PUBLIC, (Signature)
(SEAL)	Print or type Notary Name Commission (serial) Number
Jerry L Baker MY COMMISSION & CC888833 EXPIRES November 14, 2003 80NDED THRU TROY FAIN INSURANCE, INC.	My Commission Expires:

NOTE: The Owner is also required to complete the Applicant's Affidavit of this Application if no agent is appointed to act in his stead.

APPLICANT'S AFFIDAVIT

STATE OF FLORIDA)
COUNTY OF LAKE)

	BEFORE ME, the undersigned au	thority personally appeared <u>Charles E. Hawthorne</u> who being first duly swom on oath, deposes
and sa		
(1)	Regulations, and Provisions of Lake Co- herewith and attached hereto, are true and and further, that this application and atta Lake County, Florida and are not RETUR	
(2)	That he/she desires a Mining Site Plan to	accomplish the above, as stated on Page One.
(3)	That the submittal requirements for this completed and attached hereto as part of	s Application, which are attached hereto, have been this Application.
CTAT	(Applicant's Signature) TE OF FLORIDA	
COUR	NTY OF LAKE	2,54
The fo	INTY OF LAKE foregoing instrument was acknowledged before by Character Hawking	who is personally known to me or who
		, as identification and who did or did not
	producedan oath.	
		OTARY PUBLIC, (Signature)
	(SEAL)	TREMY L. BAKER————————————————————————————————————
	(Commission (serial) Number
	Jerry L. Baker MY COMMISSION & CC888833 EXPIRES November 16, 2003 BONDED THRU TROY FAIN INSURANCE, INC.	My Commission Expires:

THAT PORTION OF SECTIONS 22 AND 27. TOWNSHIP 24 SOUTH, RANGE 26 EAST, DESCRIBED AS FOLLOWS: COMMENCE THAT PORTION OF SECTIONS 22 AND 27. TOWNSHIP 24 SOUTH, KANGE 26 EAST, DESCRIBED AS FOLLOWS: COMME IT THE SOUTHWEST CORNER OF SAID SECTION 22; THENCE NORTH 00°38′35″ WEST ALONG THE WEST BOUNDARY IF SAID SECTION 22, A DISTANCE OF 66.46 FEET: THENCE NORTH 89°40′19″ EAST, 154.64 FEET TO A FOUND F SAID SECTION 22, A DISTANCE OF BOLD FELT. MICHOE HORTH 89:40'19" EAST, 39.03 FEET TO THE EASTERLY RIGHT OF WAY OF CONCRETE MUNUMENT; THENCE CONTINUE NORTH 83 TO 13 EAST, 33.03 TELL TO THE EASTERET RIGHT OF WAY OF BOGGY MARSH ROAD AND THE POINT OF BEGINNING; THENCE CONTINUE NORTH 89'40'19" EAST, 1870.74 FEET TO A OUGUT MARSH RUAU AND THE FUNT OF BEGINNING, THENCE CONTINUE NORTH 05 TO 19 EAST, 1870.74 FEET TO A CONCRETE MONUMENT MARKED OUND CONCRETE MONUMENT; THENCE SOUTH 00'20'35" EAST, 1340.00 FEET TO A CONCRETE MONUMENT MARKED 2142; THENCE LLS. 2142; THENCE NORTH 89'50'55" EAST, 341.08 FEET TO A CONCRETE MONUMENT MARKED 2142; THENCE SOUTH 00'36'30" EAST, 15.65 FEET TO A CONCRETE MONUMENT MARKED R.L.S. 2142 ON THE NORTH BOUNDARY SOUTH OU SO SU EAST, 13.03 FEET TO A CONCRETE MONOMENT MARKED R.C.S. 2172 ON THE NORTH BOUNDARY OF THE SOUTHEAST 1/4 OF THE AFORESAID SECTION 27;

OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF THE MODIFIEST 1/4 OF THE MO ROM THE NORTHEAST CORNER OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4; ROM THE NORTHEAST CORNER OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4;
THENCE SOUTH 03'05'34" EAST, 605.02 FEET TO THE NORTH RIGHT OF WAY LINE OF COUNTY ROAD NO. 474;
THENCE SOUTH 88'55'19" WEST ALONG THE SAID RIGHT OF WAY LINE 33.83 FEET; THENCE NORTH 01'04'41" WEST,
DO.00 FEET; THENCE SOUTH 88'55'19" WEST, 50.00 FEET; THENCE SOUTH 01'04'41" EAST, 100.00 FEET TO THE
FORESAID NORTH RIGHT OF WAY LINE OF COUNTY ROAD NO. 474; THENCE SOUTH 88'55'19" WEST ALONG THE FUKESAIU NUKTH KIGHT OF WAT LINE OF COUNTY ROAD NO. 474, THENCE SOUTH 8033 IS WEST ALONG THE ALONG THE ALONG THE SOUTHWEST 1/4 AID RIGHT OF WAY LINE, 1887.59 FEET TO THE WEST BOUNDARY OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4 SAID RIGHT OF WAY LINE, 1887.59 FELT TO THE WEST BOUNDARY OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4 OF THE AFORESAID SECTION 27; THENCE NORTH 00'40'49" WEST ALONG THE SAID WEST OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 EASTERLY RIGHT OF WAY LINE OF AFORESAID BOGGY MARSH ROAD; THENCE NORTH 01"25"31" EAST ALONG SAID EASTERLY RIGHT OF WAY LINE OF AFORESAID BOGGY MARSH ROAD; THENCE NORTH 01"25"31" EAST ALONG SAID EASTERLY RIGHT OF WAY LINE, NORTH 29"50"29" WEST, DIGHT OF WAY LINE, 352.42 FEET; THENCE CONTINUE ALONG SAID RIGHT OF WAY LINE, NORTH 60"09"31" EAST, 50.00 FEET; 55.89 FEET; THENCE DEPARTING THE SAID RIGHT OF WAY LINE AND RUN NORTH 60"09"31" EAST, 50.00 FEET; HENCE NORTH 29'50'29" WEST, 100.00 FEET; THENCE SOUTH 60'09'31" WEST, 50.00 FEET TO THE AFORESAID EASTERLY RIGHT OF WAY LINE OF BOGGY MARSH ROAD; THENCE NORTH 29'50'29" WEST, 187.42 FEET; THENCE CONTINUE ALONG THE SAID RIGHT OF WAY LINE NORTH 04"23"01" EAST, 344.92 FEET TO THE POINT OF BEGINNING.

LESS THE FOLLOWING DESCRIBED PARCEL:

COMMENCE AT THE NORTHEAST CORNER OF SECTION 27, TOWNSHIP 24 SOUTH, RANGE 26 EAST, LAKE COUNTY, FLORIDA AND RUN SOUTH 00°43'52" EAST, ALONG THE EAST LINE OF SAID SECTION 27, A DISTANCE OF 1929.98 FEET, TO THE NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD NO. 474; THENCE SOUTH 88°55'19" WEST, ALONG SAID NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD NO. 474, A DISTANCE OF 3736.97 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE SOUTH 88°55'19" WEST ALONG SAID NORTHERLY RIGHT OF WAY, A DISTANCE OF 660.00 FEET; THENCE DEPARTING SAID NORTHERLY RIGHT OF WAY LINE RUN NORTH 00°24'50" WEST 1122.08 FEET; THENCE NORTH 88°55'19" EAST 660.00 FEET; THENCE SOUTH 00°24'50" EAST 1122.08 FEET TO THE POINT OF BEGINNING. CONTAINING 17.0 ACRES, MORE OR LESS (AS RECORDED IN OFFICIAL RECORD BOOK 1900, PAGE 696, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA.)

Wednesday, July 25, 2001

Property Records Search Results

Alternate Key: 1031699 HAWTHORNE PROPERTIES LTD

3808 DOUNE WAY CLERMONT, FL34711 Parcel: 27-24-26-000200000800 Alt Key: 1031699 Mill Grp: 0005 Loc Notes: 15441 COUNTY ROAD 474

Legal Description:

BEG AT NW COR OF SEC RUN E 2045 FT, S 1300 FT, E 341 FT, S 17 FT, E 209 FT, S 1DEG 53MIN 20SEC E 662.02 FT, W 1956 FT, N 660 FT, N 45DEG W TO PT S OF POB, N TO POB--LESS & LYING W'LY OF E'LY LINE OF SOUTH BOGGY MARSH RD IN W 1/2 OF NW 1/4 OF NW 1/4 & LESS FROM NE COR OF SEC RUN S 1929.98 FT TO N'LY R/W LINE OF CO RD 474, W ALONG SAID N'LY R/W LINE 3736.97 FT FOR POB, CONT W 660 FT, N 1122.08 FT, N 88DEG 55MIN 19SEC E 660 FT, S 1122.08 FT TO POB--

ORB 1186 PG 890

Land Data

Line	Use	Front	Depth	Notes	# Unit	Type	Class Value	Just Value
1	9900	0	0		54.6	AC	0	273000
2	9600	0	0		6.7	AC	0	302
3		0	0		3.5	AC	0	14000
3	3300	•				Totals:	0	287302

Building Characteristics

Section Type Section Number Ext Wall Type Number of Stories Floor Area

Sales History

O.R. Book	O.R. Page	Sale Date	Instrument	Qualified/Unqualified	Vac Impr	Sale Price
0930	1796	07/01/1987	WD	M	V	340000
1186	0890	07/01/1992	СТ	U	V	0

Total Just Value Total Exempt Value Total Taxable Value

287302

0

287302

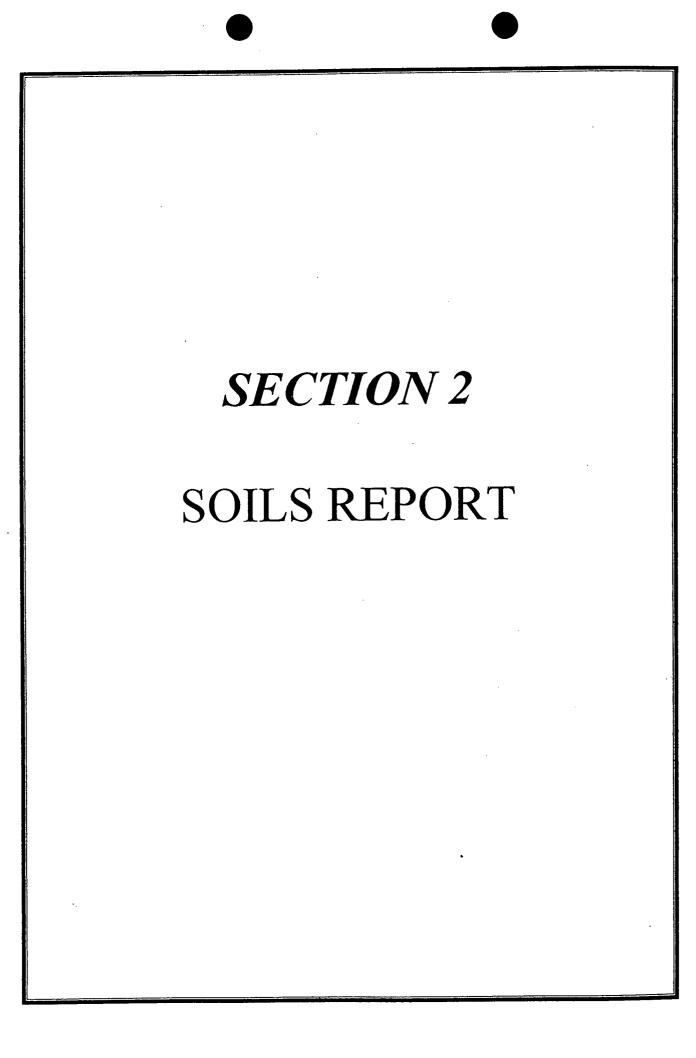
* May Reflect Save-Our-Homes Limitations





The site designed and hosted by Weisco Computers Inc.
Problems with this site? E-mail the Webmaster.

©Copyright 1999 Lake County Property Appraiser. All rights reserved.





Environmental Sciences · Construction Materials Testing December 14, 1995

Offices In:

- Orlando
- · Gainesville
- · Fort Myers
- · Merritt Island
- · St. Augustine
- Daytona Beach
 West Palm Beach

Bishop and Buttrey, Inc. 6239 Edgewater Drive, Suite D1 Orlando, Florida 32810

Attention:

Mr. John Buttrey

Reference:

Groundwater Evaluation

Pot of Gold Development (Hawthorn Borrow Pit No. 26)

Lake County, Florida Project No. 17862-018-04 Report No. 95-1256E

Dear Mr. Buttrey:

We understand that you have applied for a Lake County mining permit for this project. One of the requirements for mining permits in this area is to demonstrate that the mining operation will have no impact on the surrounding groundwater conditions. Specifically for this project, there was the question as to whether or not stormwater that may perch above the near surface clay layer would no longer flow into the adjacent Green Swamp after the clay was excavated.

Our field exploration consisted of installing four temporary piezometers in order to measure the stabilized groundwater levels. Survey information provided by Altamonte Surveying indicated that the groundwater levels ranged from elevation 119 to 120.5 at our piezometer locations. By deriving groundwater contours, it is evident that the predominant groundwater flow at this is from west to east towards the Boggy Marsh which is part of the Green Swamp. The water level within the Boggy Marsh was measured at elevation 117.8 on the same day. There appears to be a peak in the groundwater regime within the central portion of the site so that the northeastern portion of the site drains toward the swamp to the northeast of the project. Therefore, when the near surface clay layer is removed from the site, stormwater will infiltrate to the natural groundwater table and flow into the Boggy Marsh, thus having no impact on the Green Swamp. The derived groundwater contours are presented on the attached groundwater contour map.

We anticipate that during the wet season, the groundwater levels will rise on the order of 2- to 3-feet above the existing levels measured at our piezometer locations. This will still be well below the bottom of the excavation.

Additionally, we performed one soil boring advanced to a depth of 150-feet in order to evaluate the depth to the confining layer and limestone layer. After completing this boring, the borehole was backfilled with cement grout. Detailed descriptions of the soil encountered are presented in the attached boring log.

Bishop and Buttrey, Inc.

Attention:

Mr. John Buttrey

Reference:

Groundwater Evaluation

Pot of Gold Development (Hawthorn Borrow Pit No. 26)

Lake County, Florida Project No. 17862-018-04 Report No. 95-1256E

December 14, 1995

Page No. 2

We appreciate the opportunity to have worked with you on this project and look forward to a continued association. If you should have any questions, or if you need further assistance, or discussion of your development options for this project, please do not hesitate to call.

Respectfully submitted,

UNIVERSAL ENGINEERING SCIENCES, INC.

Mark C. Israel, P.E.

Project Manager

Bruce H. Woloshin, P.E.

P.E. No. 36734

Manager - Geotechnical Engineering





Offices In:

- Orlando
- Gainesville
- Fort Myers Merritt Island
- St. Augustine · Daytona Beach

West Palm Beach

December 22, 1995

Bishop and Buttrey, Inc. 6239 Edgewater Drive, Suite D1 Orlando, Florida 32810

Attention:

Mr. John Buttrey

Reference:

Geotechnical Exploration

Pot of Gold Development (Hawthorn Borrow Pit No. 26)

Lake County, Florida

Project No. 17862-018-01

Dear Mr. Buttrey:

At your request Universal Engineering Sciences has performed a deep soil boring (through the confining layer and into the limstone) at a location selected by Ms. Rebecca Jetton. The boring log and boring location plan are included with this letter.

We appreciate the opportunity to have worked with you on this project and look forward to a continued association. If you should have any questions, or if you need further assistance, or discussion of your development options for this project, please do not hesitate to call.

Respectfully submitted,

UNIVERSAL ENGINEERING SCIENCES, INC.

Mark C. Israel, P.E.

Senior Project Engineer



PROJECT NO.: 17862-018-03

REPORT NO .:

PAGE:

A-2.1

PROJECT:

POT O' GOLD

BORING DESIGNATION: SECTION: 27

B-1A TOWNSHIP: 24 SHEET: 1 of 3 RANGE: 26

G.S. ELEVATION (ft): 149.0

DATE STARTED:

11/13/95

CLIENT: LOCATION: LAKE COUNTY, FLORIDA BISHOP & BUTTREY, INC. SEE BORING LOCATION PLAN

DATE FINISHED:

11/14/95

REMARKS:

WATER TABLE (ft):

UES - ORLANDO

DATE OF READING:

DRILLED BY:

					EST. S.H.W.T.	(ft):	r	YPE OF S	SAMPLIN	IG: ASTM	1 D-158
DEPTH M (FT.) P L E	BLOWS PER 6" INCREMENT	N (BLOWS/ FT.)	w.t.	S Y M B O L	DESCRIPTION	-200 (%)	MC (%)		RBERG MITS	K (FT./ DAY)	ORC CON (%)
0											
\[\frac{1}{2} \]	0.1.0				Very loose brown fine SAND [A-3]]					
1	2-1-2 2-1-2	3 3			light gray-brown						
5 – 🔀	2-2-6	8		777	loose Medium dense orange & brown clayey SAND	-	·				
1	9-10-15	25			[A-2, A-6]					,	ļ
- X	9-11-16	27			dense						
10-1	15-15-20	35			deuse						
- X	4-14-21	35									
15				· · · ·	Dense light gray fine SAND [A-3]	1					
-	į				medium dense						
20	5-10-11	21					ļ				
25	9-10-14	24			·						
					dense						
30	10-20-25	45	[
-X	8-9-11	20			medium dense						
35	0-3-11								······ }·		
- - X	10-14-17	31			dense						
40			-								
1			F								
45	9-13-20	33		<u>:: </u>							
			ŀ								
50	7-22-29	51			Very dense light gray to white fine SAND with silt [A-3, A-2]						
		}	}	·:-	·		j			.]	
]			ŀ				}	1			
	9-17-22	39	ļ	\therefore	dense			j			
55									······		



PROJECT NO.:

17862-018-03

REPORT NO.:

PAGE:

A-2.2

PROJECT:

POT O' GOLD

BORING DESIGNATION: SECTION: 27

B-1A TOWNSHIP: 24 SHEET: 2 of 3

RANGE: 26

LAKE COUNTY, FLORIDA

	S A M	BLOWS PER 6"	N (BLOWS/	w.T	S Y M	DESCRIPTION	-200 (%)	MC (%)		RBERG NTS	K (FT./	ORG.
(FT.)	P L E	INCREMENT	FT.)	''''	8 0 L		(%)	(76)	LL	PI	DAY)	(%)
55 —									-			
-	1											
60 —	X	10-14-21	35			Dense light gray to white silty fine SAND [A-2]						
-		•										
	X	7-14-16	30			medium dense						
65 -												
-												
70 —	H	2-5-6	11									
_												
· 75 —	X	6-7-9	16		 	Medium dense orange fine SAND [A-3]						
-						light yellowish gray-brown						
- 80 —	X	3-5-12	17					• • • • • • • • • • • • • • • • • • • •				
-												
85 —	X	3-4-3	7			loose						
-												
-	X	1-1-3	4			very loose						
90 — -		1-1-5										
-					///	Very loose gray-green clayey SAND (A-2,	1					
95 —	M	1-1-1	2			A-6]						
-												
100-	X	0-0-1	1	ļ		light orange		,,,,,,,				
-												
105 —	X	2-3-3	6			- loose						
-												
-	X	4-10-17	27			Medium dense dark green silty SAND [A-2]	1					
110 —					1-4-1							



PROJECT NO.: 17862-018-03

REPORT NO.:

PAGE: A-2.3

PROJECT:

POT O' GOLD

LAKE COUNTY, FLORIDA

BORING DESIGNATION:

B-1A

SHEET: 3 of 3

RANGE: 26

SECTION: 27 TOWNSHIP: 24 RA

DEPTH	S A M	BLOWS PER 6"	N (BLOWS/	w.t.	S Y M B	DESCRIPTION	·200 (%)	MC (%)		RBERG MITS	K (FT./	ORG.
(FT.)	P L	INCREMENT	FT.J		Ö		(%)	1 701	LL	PI	DAY)	(%)
110	\exists				71.1				-			
						·						
-				,	نانان ن	Medium dense light brown to tan SAND & highly decomposed LIMESILT	-	ļ				
115	식	6-8-12	20			highly decomposed LIMESILT			·			
-												
	\forall	39-23-34	57			very dense						
120	Y	33-23-34									******	
-								. 1				
405	Z	14-21-100	100/14									
125	1									į		
1						•						
130	<u> </u>	35-100	100/8*									
-												
135	¥ļ.	65-55-31	86					,,				
		-										
<u></u> ,	\forall	0.40.40	23			medium dense						:
140	4	3-10-13	23					************			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
4	١											
-	\forall	9-12-12	24									
145	7											
150	☒.	100	100/4"			Light brown to tan fragmented LIMESTONE BORING TERMINATED AT 150.0'						
130						BORING TERMINATED AT 150.0'						
7										. [
155												
-					l							
160												
1												
}												
165												



PROJECT NO.:

17862-018-03

REPORT NO .:

54355

PAGE: A-2.1

PROJECT:

POT O' GOLD

BORING DESIGNATION:

B-1

SHEET: 1 of 1

LAKE COUNTY, FLORIDA

SECTION: 27

TOWNSHIP: 24

RANGE: 26

CLIENT:

BISHOP & BUTTREY, INC.

WATER TABLE (ft): N.E.

G.S. ELEVATION (ft): 150.0

DATE STARTED: DATE FINISHED:

9/9/95

LOCATION: REMARKS:

> DEPTH (FT.)

SEE BORING LOCATION PLAN

DATE OF READING: 9/9/95

DRILLED BY:

9/9/95 UES - ORLANDO

GROUND SURFACE ELEVATION IS APPROXIMATE. STABILIZED

	GROUNDWA	TER TABL	E NOT	ENCO	UNTERED.	8	EST. W.S.W.T. (ft):			PE OF SAMPLING: ASTM D-158			
2 4 2 4 1	BLOWS	N (BLOWS/ FT.)	w.t.	S Y M B O L	DE	SCRIPTION		-200 (%) -	MC (%)	-	RBERG IITS PI	K (FT./ DAY)	ORG CONT. (%)
+	+								·				

-	(1.1.)	L	INCREMENT	FT.)	0	۱ ۱		-		LL	PI		\ ```
-		-				7							Ī
ì	0 —	\vdash			 	. 1	Medium dense brown SAND [A-3]						
	_	\sqcup	İ		∵-	-	•			ì			1
-		M				•]		•	Ì	ļ		ł	ļ
1	-	\square	7-7-8	15	[::	•]							1
1	-	M		-			Loose light brown SAND [A-3]		Ì				ļ
	_	\square	3-3-2	5		۱٠.				ŀ	1		Ī
1	-	M				:]		ļ		ļ		ļ	
-	5 —	\square	2-3-2	5		۱.	- :			İ			
	-	M		_	::	٠.				i			
- [_	\square	2-3-2	5	}∵	٠.			1		i		
		M			l }∷.	.]		1
	-	\mathcal{L}	2-3-3	6	l	.		•	-		1		<u> </u>
1	-	ſΧΙ		7		-		<u> </u>		ĺ	1		
	10 —	μ	3-4-3	7	777	$\frac{\cdot}{}$	Stiff gray, purple & red CLAY with sand [A-7]						
					l <i>V///</i>	M	14-71	,		•	•		
	-	1				M	(A-7)						
1	-	1			l <i>V///</i>								
-	_	1			1 <i>V///</i>	M					l		1
1		H			l <i>////</i>	M					ĺ		ļ
-	-	1XI	4-7-7	14	l <i>V///</i>								ļ
- 1	15 -	╀┦			···········///	W						1	
ı	_		j		<i>\\\\\\</i>	M						Ì	
- [1	i		<i>V///</i>	Ø)							}
	-	1	ļ			M						1	
	-	1	1		\ \ <i>\\\\\</i>	M							
- 1	_	\square			\ \ <i>\\\\</i>	M	- very stiff				1]	
		M	7-11-18	29		M							
1	20 —												
-	-	1				M						: 1	
	_				1 ////	M							
													Ì
	-	L			l 🗔	\cdot	Very dense light gray SAND with clay [A-2]						
ı	-	M			[-]						3.1	
- 1	25 —	Δ	21-37-40	77		-	*****						
	25				::	۱.							
1	-	1				٠.							
	-	-				:							
	_					.							
1	_				:-	.	- dense			ĺ			
- 1	-	اXا	01 01 01	42		- 1	400						
- 1	30 —	\mathcal{L}	21-21-21	42		-:}							
j						٠.			}	'			
1	-					۱.۰	•		·]				
- 1	-				[···	۱.٠							
	_	1			-	۱.							
- 1						$]\cdot $							
	-	1X	11 01 00	4.1									
	35 —	\mathcal{L}	11-21-20	41	·····	ᅱ	BORING TERMINATED AT 35.0'	·····					
1	•					- [BOTHING TELLWINATED AT 33.0			i			
	_	1				- {	·		j				
	-	{ !				1	·		1	- 1			
	_]				1				ĺ			
						j				ļ			
6	-	1]			j		į		-	- 1		
=	40 —	J						······································					



PROJECT NO .:

17862-018-03

REPORT NO .:

54355

PAGE: A-2.2

PROJECT:

CLIENT:

POT O' GOLD

B-2

SHEET: 1 of 1

BORING DESIGNATION:

TOWNSHIP: 24

RANGE: 26

SECTION: 27

G.S. ELEVATION (ft): 149.0

DATE STARTED:

9/9/95 9/9/95

SEE BORING LOCATION PLAN LOCATION:

LAKE COUNTY, FLORIDA

BISHOP & BUTTREY, INC.

WATER TABLE (ft):

DATE FINISHED:

REMARKS:

GROUND SURFACE ELEVATION IS APPROXIMATE. STABILIZED

DATE OF READING: 9/9/95

DRILLED BY:

UES - ORLANDO

ОЄРТН	S A M	BLOWS PER 6"	N (BLOWS/	wr	S Y M	DESCRIPTION	-200	MC (%)	.ATTE	RBERG 11TS	K (FT./	ORC CON
(FT.)	P L E	INCREMENT			8 0 1		(%)	(30)	LL	PI	DAY)	(%)
0 —						Loose light gray-brown SAND [A-3]						
_	М					•						1
-	\mathbb{H}	4-4-4	8			very loose						
-	()	2-2-2	4									
5	X	1-2-2	. 4			medium dense						
-	X	3-6-6	12			loose						
-	W	3-4-5	9			Stiff light gray-green sandy CLAY [A-7]	1 .					
-	M	8-7-8	15			Medium dense light brown fine SAND [A-3]						
10		•••••				Stiff purple & gray CLAY [A-7]	1					
-	$\left\{ \ \right\}$					Start purple a gray of the first for						
-	\sqcup											
, - 15 —	X	4-4-5	9									
-	$\left. \left \cdot \right \right $								}			
-	$ \cdot $				· · · ·	Medium dense light gray to orange-brown SAND [A-3]						
-	М					SAND [A-0]					ļ	
20 —	A	5-11-9	20									
-	1							i			;	
-		·	·									
-	М		٥٢								1.3	
25 —	H	8-12-13	25									
-			٠									
_	1											
-	M	8-10-11	21									
30 —		8-10-11										
-]											
-											Ì	
<u>-</u>	X	12-14-15	29									
35 —	\prod					BORING TERMINATED AT 35.0'						
-						·						
-	$\ \ $										j	
-	┤				1 1		1 1		l i	ľ		



PROJECT NO .: 17862-018-03 54355 REPORT NO .:

PAGE:

A-2.3

PROJECT:

POT O' GOLD

BORING DESIGNATION:

B-3 TOWNSHIP: 24

SHEET: 1 of 1 RANGE: 26

LAKE COUNTY, FLORIDA

BISHOP & BUTTREY, INC. CLIENT:

G.S. ELEVATION (ft): 145.0

SECTION: 27

DATE STARTED:

9/9/95

LOCATION:

SEE BORING LOCATION PLAN

WATER TABLE (ft):

DATE FINISHED:

9/9/95

REMARKS:

GROUND SURFACE ELEVATION IS APPROXIMATE. STABILIZED

DATE OF READING: 9/9/95

DRILLED BY:

UES - ORLANDO

	S A M P	BLOWS PER 6"	N (BLOWS/	w.t.	S Y M B	DESCRIPTION	-200	МС		RBERG MITS	K (FT./	OR
FT.)	E II	NCREMENT	FT.)		ő		(%)	(%)	LL	PI	DAY	(%
0-	-				 	Very loose orange-brown SAND [A-3]	-		 -	ļ		-
†	abla											
]	\forall	2-1-2	3									
+	$\frac{1}{2}$	1-2-2	4		IT	Medium dense orange-brown silty & clayey SAND [A-2]						
5 —	<u>}</u>	8-11-14	25	•••••••		Very stiff to hard gray, purple & red sandy CLAY [A-7]	-				***************************************	
$\frac{1}{k}$	X 1	0-14-18	32	٠		CEO 1 (0-7)						
-[<u>X</u>] i	3-17-19	36]					
	$X \mid_{1}$	2-17-20	37									
10 -												
4										į		Į
4			j			Dense light gray SAND [A-3]						
15 -	X_{-1}	7-20-25	45									
4												
1												
20-	1.1	5-21-26	47								10.0	
4												
1												
7				ŀ								
25 —	1.15	5-27-22	49									
1				ŀ					1			
				ŀ								
4	7			ŀ		very dense						
10 	14	1-30-30	60			BORING TERMINATED AT 30.0'						•••••
1		ļ										
]							ļ					
4							ļ					
35	·											•••••••
						, l						
	I	1		1		1		1		ı	1	



PROJECT NO .:

17862-018-03

REPORT NO .:

54355

PAGE:

A-2.4

PROJECT:

POT O' GOLD

BORING DESIGNATION:

B-4

SHEET: 1 of 1

SECTION: 27

TOWNSHIP: 24

RANGE: 26

CLIENT:

LAKE COUNTY, FLORIDA BISHOP & BUTTREY, INC.

G.S. ELEVATION (ft): 131.0

DATE STARTED: DATE FINISHED: 9/9/95 9/9/95

LOCATION: REMARKS:

SEE BORING LOCATION PLAN

GROUND SURFACE ELEVATION IS APPROXIMATE

WATER TABLE (ft): DATE OF READING: 9/9/95

DRILLED BY:

UES - ORLANDO

EST. W.S.W.T. (ft):

TYPE OF SAMPLING: ASTM D-1586

DEPTH (FT.)	A BLOWS P PER 6"	PER 6"	PER 6"	PER 6"		PER 6"	N (BLOWS)	W.T.	7.1. B DESCRIPTION	-200	MC	_ATT(ERBERG MITS	K (FT./	ORG CONT (%)
(Fi.)	L				Ö		(%)	(%)	LL	PI	DAY				
0 —					ļ,,	Loose brown SAND [A-3]									
-	\forall					Foose prown Sand (A-2)									
-	Д	3-2-3	5												
1	X	2-2-2	4	¥											
5 —	Х.	4-4-4	8		///	Loose.orange-brown.clayey.SAND.[A-2/A-6]	<u> </u>				• • • • • • • • • • • • • • • • • • • •	<u> </u>			
-	\forall					Very stiff orange gray and purple sandy	-								
+	\exists	5-9-11	20			Very stiff orange, gray and purple sandy CLAY [A-7]									
-	<u> </u>	10-12-18	30			Very stiff red, brown and purple CLAY [A-7]									
10	<u>Χ</u> Ι.	25-18-20	38		· · · ·	Dense orange-brown SAND (A-3)									
	-					BORING TERMINATED AT 10.0'	ļ								
4											·				
4		1													
15															
		ĺ													
4					i										
4															
20															
207															
4															
-										İ					
			İ												
25	<u> </u>						····	·····				••••••			
1			ļ												
4															
+								İ							
30															
]															
4															
35 —															
4															
1		1							. [
]					.										
40							-	.			1				



PROJECT NO.:

17862-018-03

PAGE:

REPORT NO .:

54355 A-2.5

PROJECT:

POT O' GOLD

BORING DESIGNATION:

SECTION: 27

B-5
TOWNSHIP: 24

SHEET: 1 of 1

RANGE: 26

LAKE COUNTY, FLORIDA

BISHOP & BUTTREY, INC.

CLIENT: LOCATION:

SEE BORING LOCATION PLAN

REMARKS:

GROUND SURFACE ELEVATION IS APPROXIMATE. STABILIZED.

GROUNDWATER TABLE NOT ENCOUNTERED.

G.S. ELEVATION (ft): 148.0

DATE STARTED:

9/9/95

WATER TABLE (ft):

DATE FINISHED:

9/9/95

DATE OF READING: 9/9/95

DRILLED BY:

UES - ORLANDO

EST. W.S.W.T. (ft):

TYPE OF SAMPLING: ASTM D-1586

DEPTH	S A M	BLOWS PER 6"	N (BLOWS/	w.t.	S Y M B	DESCRIPTION		·200 (%)	MC (%)	ATTE	RBERG MITS	K (FT./	OR CON
(FT.)	P L	INCREMENT	FT.)		Ö L	1		1 (70)	(70)	LL	PI	DAY)	(%
0 —													
					• • • • •	Very loose orange-brown SANE) [A-3]			1			
4	X	2-2-1	3										
4	A	2-2-2	4	į									
+	\forall	2-2-2	4	ļ	••••	6:44	J. CLAY	4					
5 —	Δ.	4-10-12	22			Stiff.to.very.stiff.red-brown.sar [A-7]	- :			1			
7	X	11-11-11	22										
]		11 16 16	32	į				1					
	∇	11-16-16		į		Handamada CLAV (A 71		4					
10	4.	11-15-15	30			Hard purple CLAY (A-7)							
4						•							
4				ľ		Very dense light brown SAND	A-31	1			ľ		
-{				ŀ			4						
	X	21-30-50	80		\cdots								
15 —	7			ŀ									
]			ĺ	ŀ							ĺ		
4			1			dense					- 1		
4				ļ.		301130]				ļ	
20-	Ά	12-16-16	32					ļ					•••••
-	ı			ŀ						.]		:	
1			ĺ	į.	::						ł		
1			ļ	İ.							ĺ		
25	X]	14-18-18	36			***************************************						6.0	
23		1		ŀ									
4	Ì			Ĭ.	::						1	}	
4]		ŀ	::						ł		
4	X	17.05.00	٠,	ŀ	::]	dense							
30 —	7	17-25-32	57			BORING TERMINATED AT 30.0					······································		
4					ļ							1	
4													
1]											
35						••••							
33							,						
1							<i>:</i>				,		
4							· ·			į			
4													
40													



PROJECT NO .:

17862-018-03

REPORT NO.:

54355

PAGE:

A-2.6

PROJECT:

POT O' GOLD

BORING DESIGNATION: SECTION: 27

B-6
TOWNSHIP: 24

SHEET: 1 of 1 RANGE: 26

LAKE COUNTY, FLORIDA

BISHOP & BUTTREY, INC.

G.S. ELEVATION (ft): 135.0

DATE STARTED: 9/9

CLIENT: LOCATION:

SEE BORING LOCATION PLAN

0 . TE ENVIOLED

9/9/95

REMARKS:

See Bolling Co. Co.

WATER TABLE (ft): N.E.

DATE FINISHED:

9/9/95

GROUND SURFACE ELEVATION IS APPROXIMATE. STABILIZED GROUNDWATER TABLE NOT ENCOUNTERED.

DATE OF READING: 9/9/95

DRILLED BY:

UES - ORLANDO

EST. W.S.W.T. (ft):

TYPE OF SAMPLING: ASTM D-1586

SEPTH M	8LOWS	N (BLOWS/	wr	S Y M	DESCRIPTION	-200	MC		RBERG NTS	K (FT./	ORG
(FT.) P	INCREMENT	FT.)		8 0 L		(%)	(%)	LL	PI	DAY	(%)
0-					Loose orange, brown and gray clayey SAND [A-2/A-6]			+			
1	2-2-3	5			[A-ZIA-U]						
1	2-2-4	6			medium dense			İ			
5 —/^ - X	7-10-13	23		///	Very stiff to hard orange, brown and gray sandy CLAY [A-7]						
1	12-24-24	48			sandy CLAY [A-/]						
10	20-25-30	55			Very dense light orange SAND [A-3]					11.0	
.					medium dense						
15	8-8-8	16			BORING TERMINATED AT 15.0'						
1											
20											·•••••••••••••••••••••••••••••••••••••
25							•••••				
30							•••••				
35 —					·						
1					·	·					
1											



PROJECT NO .: 17862-018-03

REPORT NO .: 54355

PAGE: A-2.7

PROJECT:

POT O' GOLD

BORING DESIGNATION:

SECTION: 27

B-7 TOWNSHIP: 24 SHEET: 1 of 1

LAKE COUNTY, FLORIDA

BISHOP & BUTTREY, INC.

G.S. ELEVATION (ft): 130.0

DATE STARTED: 9/9/95

RANGE: 26

CLIENT: LOCATION:

SEE BORING LOCATION PLAN

WATER TABLE (ft): N.E.

DATE FINISHED: 9/9/95

REMARKS:

GROUND SURFACE ELEVATION IS APPROXIMATE. STABILIZED

DATE OF READING: 9/9/95

DRILLED BY:

UES - ORLANDO

	SAMPL	BLOWS PER 6" INCREMENT	N (BLOWS/ FT.)	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	Lif	RBERG MITS	K (FT./ DAY)	OR CON
	E				ĭ			 	LL	PI		,,,,
0	\dashv				 	Very loose to loose light brown SAND [A-3]		· · · · · · · · · · · · · · · · · · ·				
4	\forall	•				,						
-	XI	2-1-2	3			·						
-{	XI	2-2-4	6		7777	Stiff to very stiff orange sandy CLAY [A-7]	┨					
_ +												
5 —	(9-12-10	22	•••••••		Medium dense orange, yellow and gray clayey SAND [A-2/A-6]						
]	X	14-11-12	23			Clayey SAND [A-2/A-0]						
]	X	7-10-10	20				İ	į				
K	\mathbb{R}	•	ł			V			İ			
10-	仏.	14-12-10	22			Very stiff orange sandy CLAY [A-7] BORING TERMINATED AT 10.0'						
_						BOTHING TERMINATED AT TO.U	}	f			1	
4			İ									
4								1				
											j	
15												
4			Ì								1	
	ı		1					ļ			Ì	
1		1	İ									
			1		- 1							
20												
]	ı				1						- 1	
]												
		[- 1							Ì		
25 —												•••••
1											1	
4											1	
4		-	- 1								ļ	
4											1	
30 —												
\dashv								i			1	
+												
4												
\dashv												
35 —												
4							}					
4		ļ				·						
	1		1	- 1	- 1		[1		1	
7	-	l	ı	1		. I		ı	1	- 1	l	



KEY TO BORING LOGS

SYMBOLS Number of Blows of a 140-lb Weight Falling 30 In. Required to Drive 22 Standard Spoon One Foot Weight of Drill Rods WOR Thin-Wall Shelby Tube Undisturbed <u>s_</u> Sampler Used Percent Core Recovery from Rock 90% Rec. Core-Drilling Operations Sample Taken at this Level Sample Not Taken at this Level Change in Soil Strata Free Ground Water Level Seasonal High Ground Water Level

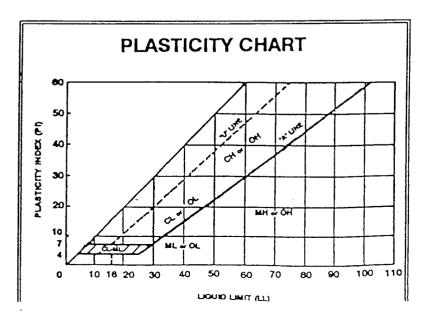
RELATIVE DENSITY (sand-silt)

Very Loose - Less Than 4 Blows/Ft.
Loose - 4 - 10 Blows/Ft.
Medium - 10 to 30 Blows/Ft.
Dense - 30 to 50 Blows/Ft.
Very Dense - More Than 50 Blows/Ft.

CONSISTENCY (clay)

Very Soft - Less Than 2 Blows/Ft.
Soft - 2 to 4 Blows/Ft.
Medium - 4 to 8 Blows/Ft.
Stiff - 8 to 15 Blows/Ft.
Very Stiff - 15 to 30 Blows/Ft.
Hard - More Than 30 Blows/Ft.

UNIFIED CLASSIFICATION SYSTEM GROUP SYMBOLS TYPICAL NAMES MAJOR DIVISIONS GW CLEAN GRAVELS Well-graded gravels and gravel-sand mixtures, little or no lines 50% or more Poorly graded gravels and gravel-sand retained on No. than 60% retained on No. 200 mixtures, little or no fines COARSE-GRAINED SOILS GRAVELS WITH FINES Sitty gravels, gravel-sand-sitt mixtures GM GC Clayey gravels, gravel-sand-day Well-graded sands and gravelly sands, SW ъ little or no lines No. 4 : SANDS Wore then 50% o coerse fraction SP Poorty graded sands and gravelly sands, little or no fines MTH FINES SM Sitty sands, sand-sitt mixtures sc Clayey sands, sand-clay mixtures ML Inorganic sitts, very fine sands, rock 94.T3 AND CLAYS Llquid limit 50% or hess flour, sitty or dayey fine sands α Inorganic clavs of low to medium plasticity, gravelly clays, sandy clays, more passes No. 200 sitty days, lean days FINE-GRAINED SOILS OI Organic sitts and organic sitty clays of low plasticity UND CLAYS UIM BITH мн Inorganic sits, micaceous or diatomaceous fine sands or slits, elastic δ СН Inorganic days or high plasticity, fat į OH Organic days of medium to high plasticity Highly Organic Soils Peat, muck and other highly organic ed on the meterial pasing the 3-in. (75-mm) sie



Projec	et: HATI	HORI	1 BOR	ROW PI	Γ			Job N	umber:	17862-01	18-03\7	19Sheef	t1 of 1		
Manag	ger: MI				Client:	BISHO	P AND	BUTTREY	Project Description:						
Locati	on: <u>FLA</u>														
	FLA	·	· -												
Elevat	ion Datun	n:													
Boring Depth		Spe Desc	ecimen cription	<u></u>	Water	Organic	ASTM	K ft/day	Sieve Analysis						
Elev.			PI	No 200	Content	Content	Class		No 4	No 10	No 40	No 60	No 100		
B-1 25.0			·····					3.1							
B-2 25.0			······					1.3							
B-3 20.0			<u> </u>					10.0							
B-5 25.0			<u>:</u>					6.0		,					
B-6															

Summary of Material Properties UNIVERSAL ENGINEERING SCIENCES, INC. ORLANDO, FLORIDA



Project No.

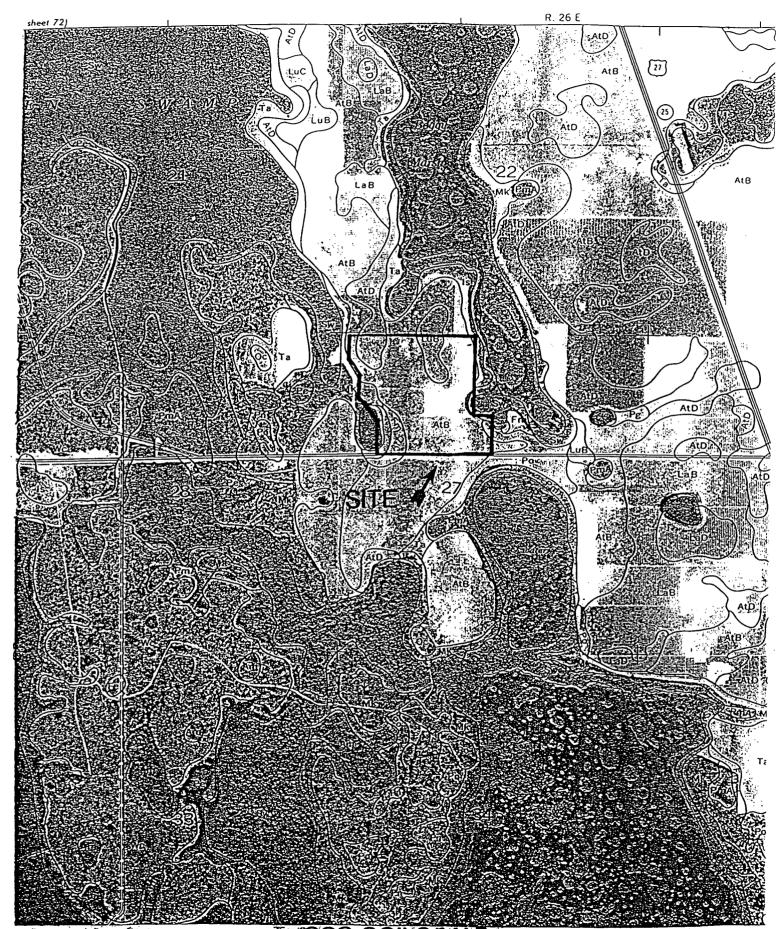
17862-018-03

Report No. 54355

DESCRIPTION OF LABORATORY TESTING PROCEDURES

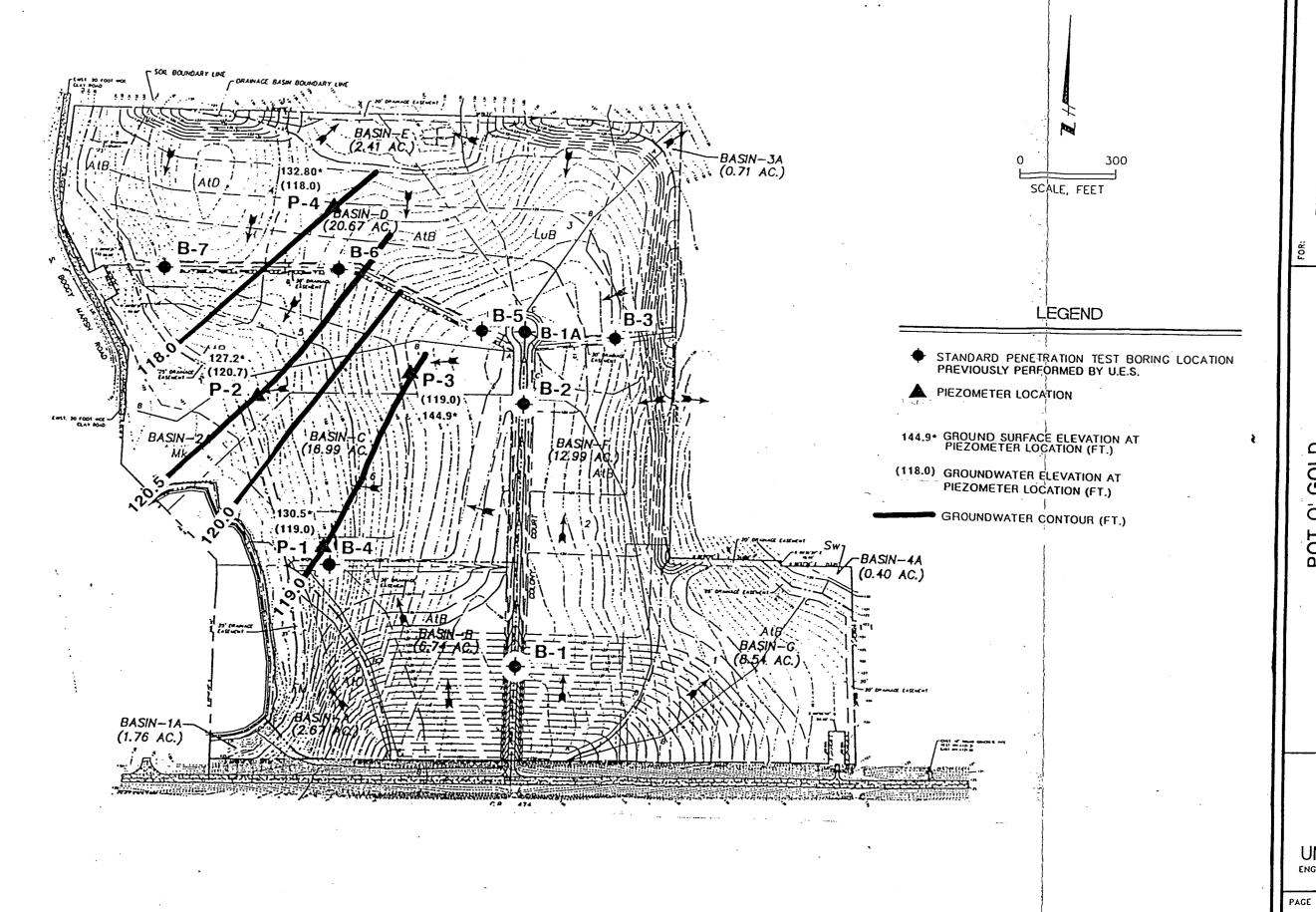
LABORATORY PERMEABILITY TEST

The laboratory permeability test is a Falling Head Test that is performed on soil samples recovered from this site. The data recovered from this test are used to calculate Darcy's Coefficient of Permeability (k) of the soil.



SCALE 1": 1667"

POT OF GOLD S/D
SEC 27 TWP 24S RNG 26F



POT C
LAKE COUN
BOT OF THE STATES

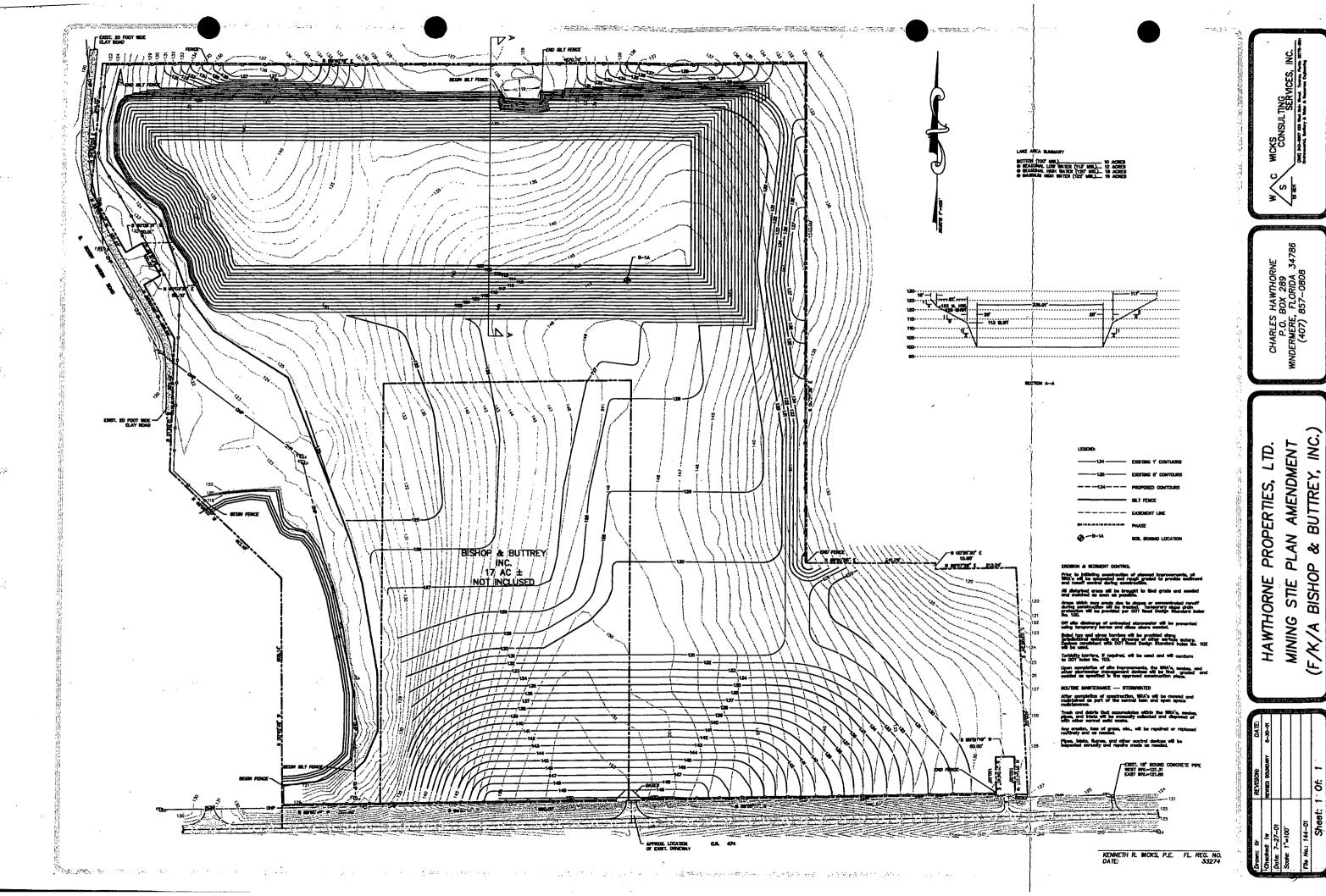
GROUNDWATER

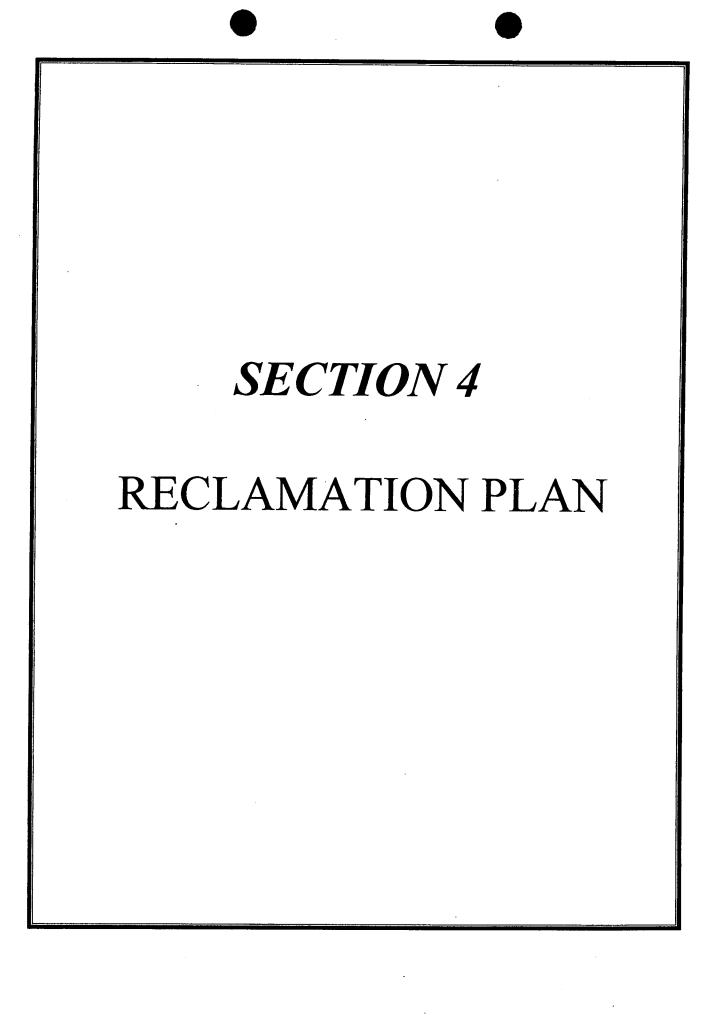
COUNTY, FLORIDA

CONTOUR

SECTION 3

RECREATIONAL LAKE EXCAVATION PLAN





Reclamation Plan

The excavation project originally proposed to achieve reclamation via the construction of a seven (7) lot single family subdivision. The plan provided for the construction of a single roadway and stormwater management system to serve the project. The finished grading of the lots and adjacent open space areas was to be completed as the excavation was finished in each Phase.

The Mining Site Plan is proposed to be modified to allow the construction of a recreational lake as part of the project reclamation. The pond construction is detailed on the enclosed revised plan. The remaining open space will be re-graded and revegetated as described in the following sections.

Reclamation and Recontouring

Reclamation shall commence within ninety (90) days after excavation within the project area or phase is complete. Stabilization and revegetation of all disturbed areas shall be commenced within 30 days, and will be completed within 120 days, following completion of regrading within the project area or within an area where excavation is complete.

Regrading and recontouring of the excavated areas will result in 10:1 slopes as an average condition at the limits of excavation as shown on the plans. The slopes adjacent to the recreational lake will be 9:1.

The site area will be regraded to leave the soil in the best possible condition for planting. The topsoil which has been stockpiled will be placed over the disturbed area to a depth sufficient to allow re-establishment of vegetation and to promote the propagation and survival of natural species. If needed, the disturbed soil will be ripped prior to the addition of the topsoil to break up any compaction. In areas where clay or clayey sands are encountered, a minimum of 1.5 feet of clean sand or topsoil will be provided.

Revegetation of recontoured and disturbed areas shall be as described below, so as to achieve permanent vegetative cover, which will minimize soil erosion and surface water runoff. Should washouts, rills, gullies, or the like develop after revegetation has effectively occurred, such areas will be repaired and slopes stabilized by seeding and mulching with bahia grass and hay per the procedures described below.

Disturbed areas will receive native topsoil applied with incorporated native grasses from adjacent work areas. This application of topsoil to disturbed areas will allow rapid revegetation, thus impeding soil and sediment transport. These areas will also be overseeded and possibly fertilized if additional soil nutrients are necessary. The Soil Conservation Service: Technical Guide 342-1, May 1986, Critical Area Planting (Planting

Plan) will be followed. The Planting Plan is adopted as the recommended methodology for erosion control and stabilization within the project work area. Revegetation will utilize native grasses and trees as deemed appropriate for a specific area being reclaimed.

Revegetation efforts will be deemed adequate if at the end of one year an established ground cover exists over 80% of the recontoured and disturbed areas. Regular maintenance and upkeep of reclaimed areas shall be performed. All land areas, at the end of two (2) years after completion of initial reclamation, will have established ground cover over at least 95% of the reclaimed area, excluding roads, groves, and row crops.

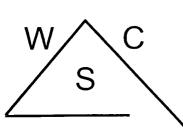
Revegetation efforts will commence within 30 days after completion of regarding and shall be completed within 120 days.

Should any excavated and disturbed area remain inactive (no mining activity) for 24 months or more, stabilization and revegetation will be initiated immediately. All requirements as stated will apply to those areas identified as inactive.

The project plans provide for specific erosion and sediment control practices during the excavation process. The erosion control devices and other requirements will be place or implemented prior to initiating the site work. The final grading plan provides for the appropriate stormwater management facility to meet County and State requirements. The specific erosion and sediment control devices will remain in place throughout the life of the project.

Dust and fugitive particles generated by the disturbed area will be controlled by watering. Regrading, recontouring, and revegetation will be initiated within areas where excavation is completed as soon as is practical and no later than the schedule outlined above.

rhawmspreclam



WICKS CONSULTING SERVICES, INC.

OFFICE: (352) 343-8667 • FAX: (352) 343-8665 • E-MAIL: WICKSCONSULTING@EARTHLINK.NET 225 West Main Street • Tavares, Florida 32778-3811

August 30, 2001

Mr. Allan Hewitt, Water Resource Manager Lake County Water Resource Management P. O. Box 7800 Tayares FL 32778-7800

REFERENCE: HAWTHORNE PROPERTIES, LTD. MSP AMENDMENT

Dear Mr. Hewitt:

In response to our discussion regarding the MSP Amendment, I am enclosing two (2) revised copies of the Mining Site Plan. Since there are now two owners involved in the property covered by the original MSP, the Bishop & Buttrey ownership has been removed from the application. I will file a separate application for a minor modification for the Bishop & Buttrey portion of the MSP.

The mining on the Bishop & Buttrey property is nearing completion and this site will be graded and revegetated as required in the current Operation Plan. Upon completion of the work, the land will return to its agricultural designation with a residential density of 1 unit/10 acres.

Please contact me if you have any questions regarding this matter.

Sincerely,

Ted Wicks, P.E.

TW:kh

Enclosures

xc: Chuck Hawthorne w/encl.

John Buttrey w/encl.

Mary Williams (Lake Co. Zoning) w/encl.

lahewitt

MINING SITE PLAN AMENDMENT

FOR

HAWTHORNE PROPERTIES, LTD.

(F/K/A Bishop & Buttrey, Inc.) Excavation Project

MSP #96/2/2-2

Prepared For:

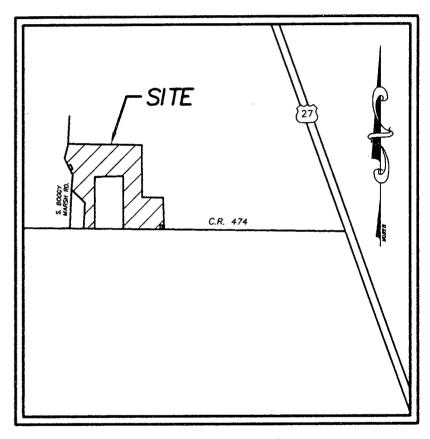
Hawthorne Properties, Ltd.
Post Office Box 289
Windermere FL 34786
(407) 858-0808

Prepared By:

Wicks Consulting Services, Inc. 225 West Main Street Tavares FL 32778 (352) 343-8667

July 24, 2001 Revised August 10, 2001





LOCATION MAP
SCALE: 1"=2000"

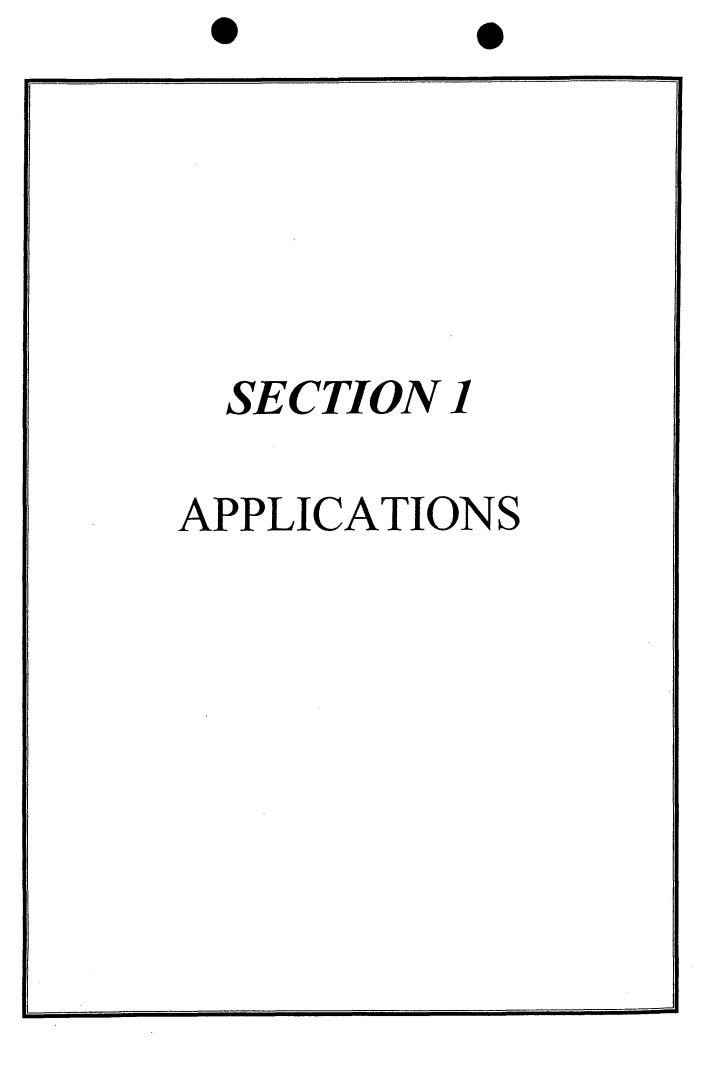
Mining Site Plan Amendment Hawthome Properties, Ltd.

Introduction

Mining Site Plan approval for the Bishop & Buttrey Excavation Project was granted by Lake County under MSP #96/2/2-2. A subsequent Operating Permit was issued April 11, 1996 for the project. The project involves the removal of clean sands and clay soils from the site for use in local construction projects. The removal of the soil was planned and conducted to conform to the final grading plan for the Pot of Gold Subdivision. The subdivision was proposed to be constructed as the major component of the project Reclamation Plan.

The purpose of this amendment is to eliminate the construction of the subdivision and to create a recreational lake. Final project reclamation will include the recreational lake with the remainder of the area returned to open space.

The land area encompassed by the approved MSP is currently under the ownership of Hawthorne Properties, Ltd. and Bishop and Buttrey, Inc. The property owned by Bishop and Buttrey, Inc. is not included in the requested amendment. It will be handled separately from this request.



LAKE COUNTY MINING AND EXCAVATION SITE PLAN APPLICATION FORM AMENDMENT

For Of	fice Use Only: Applicati	on No	District No	Fee		Receipt No	
GENER	AL INFORMATION			.,,,,			
	Hawthorne Properties	s, Ltd.					•••
Mine or P	roject Name					· ·	
	North side of CR 474	Approximate	ely 1 mile west of L	JS Hwy	27		
Location o	f Mine or Project					T. 010 D. 000	
				Sec	22 & 27	Twp 24 S Rge 26	<u> </u>
Type of Mi	Removal of excess ovining Activity	verburden o	clean sand and cla	yey sar	ds & crea	ation of a recreational	<u>lake</u>
Present Us	Active Mine MSP #96 e and Joning of Property	6/2/2-2	Operating Per	mit #95	-12-97OF	D	· - · -
١.	OWNER						
	Hawthorne Properties	, Ltd.				296-0016	
Name					Telephone (No.	
	See enclosed informa	tion					
Address							
2.	OPERATOR OR APPLICAN	ī					
Name	Hawthorne Properties	, Ltd.			Telephone I	do.	
панк					текрионе		
Address	P. O. Box 289	Windermer	e FL 34786				<u> </u>
3.	PROPOSED DATES OF CO	MMENCEMENT A)	ID COMPLETION OF H	IINING			
	Currently active Mine						
4.	LEGAL DESCRIPTION OF Parent Tract	MINE OR PROJEC					
	The requested amend	<u>Iment does no</u>	t include the Bisho	o & But	rey prope	erty ownership.	

Information for application continues on following pages
(Include this sheet as first page of bound application)

The following additional information is provided in compliance with Chapter 6.06.03 of the Lake County Land Development Regulations and tracks both the language of the Code and the checklist included in Appendix A.

- Ownership of all property within three hundred (300) feet of the property included in the Mining Site plan application has been researched. The ownership records and information was obtained from the Lake County Property Appraiser's Office. The ownership information is included as part of the application for Mining Site Plan Amendment, Appendix A, of this report.
- 6. During the excavation and site reclamation process, no buildings are proposed. The access driveway to the project is shown on the project plans. A land use map and aerial photograph is also enclosed. There are no existing buildings on the project site.
- 7. A traffic analysis was submitted as part of the original Mining Site Plan. No increase in project traffic is proposed.
- 8. The sanitary wastewater needs of the project will continue to be met via portable toilet facilities and containerized drinking water. These facilities are adequate since no permanent structure or residences are proposed. No hazardous materials will be stored or used on site. The earth moving equipment is fueled and services by a transient service vehicle, consequently, no fuel is stored on the project site.
- 9. A permit has been obtained from the St. Johns River Water Management District for the project. This permit will be modified to reflect the changes in the Reclamation Plan.
- 10. There are approximately 3 acres of wetlands on site. A Land Use and Cover Classification Map was previously submitted as part of the Mining Site Plan. There are no wetland alterations proposed as part of this project.
- 11. The upland areas were also identified on the FLUCCS map. A total of 78 acres of upland soils have been identified within the project. The uplands historically consisted of relic citrus lands. An aerial photograph is enclosed to show current site conditions.
 - Reclamation is now proposed to create a recreational lake and open space.
- 12. Project plans were included in the original Site Plan and Operating Permit. Revised plans are enclosed which shown the revised project.
- 13. The Mining Site Plan was approved for 47 acres including the buffer zones. (36 acres of extraction and 12 acres of setbacks). Overburden or unsuitable

materials will be stockpiled within the mining area and retained for use during the reclamation process. A waterbody will now be created as part of the project reclamation. Plan views and cross sections are enclosed.

- 14. The project has been approved for two (2) phases.
- 15. A cross-sectioned drawing was previously included in the Hydrogeologic Report. This information is not included in this report.
- 16. A Hydrogeologic Report was submitted as part of the original Mining Site Plan.
- 17. An Environmental Report was submitted as part of the original Mining Site Plan.
- 18. A revised Reclamation Plan is enclosed.
- 19. The project Reclamation Plan involves the creation of a recreational lake and open space.
- 20. No additional site specific information is submitted at this time.

Lake County, Florida DEPARTMENT OF GROWTH MANAGEMENT

MINING SITE PLAN AMENDMENT

PUBLI	IC HEARING NUMBER: DATE:
	FILING FEE:
(1) PF	ROJECT NAME: Hawthorne Properties, Ltd. (f/k/a Bishop & Buttrey, Inc. Excavation Project)
,	OWNER'S NAME: Charles E. Hawthorne
	COMPLETE MAILING ADDRESS: P. O. Box 289 Windermere FL 34786
	TELEPHONE NUMBER: (407) 858-0808 E-Mail Address
(2)	APPLICANT'S NAME: Charles E. Hawthome
` '	COMPLETE MAILING ADDRESS: P. O. Box 289 Windermere FL 34786
	TELEPHONE NUMBER: (407) 858-0808 E-Mail Address
(3)	The Property Is Generally Located In The Vicinity Of The Following Streets:
(-)	CR 474 and South Boggy Marsh Road
(4)	Area of Property: Square Feet:/ Acres: 64.68 (parent tract)
(-)	30 (MSP area)
(5)	Does Property have or will have: Central Water & Sewer OR Well And Septic Tank
(5)	Port-o-Let and containerized water
<i>(6</i>)	Present Zoning of Property: A + MSP #96/2/2-2
(6)	Future Land Use Designation: Rural Conservation
(7)	List Existing Structure(s) located on site and its use: None
(8)	List Existing Structure(s) located on the and the area
(9)	The Property is to be used for: extraction of sand and clay under currently approved Mining
(0)	Site Plan and Operating Permit
(10)	*Applicant is hereby requesting an amendment to MSP #96/2/2-2 (Existing File Number)
(10)	OR An application for a Mining Site Plan in accordance with Chapter 6.06.00 (LDR's)
4441	Is this application, for the above, being requested due to any Code Violation(s)? Specify the
(11)	basis or reason(s) for this request: No
-	pasis of reason(s) for this request.
(12)	Has any previous application been filed in connection with this property:
(12)	YES or NO ☐ If YES, briefly describe the nature and outcome of the request
	MSP #96/2/2-2 (1996) approved

^{*}Amendment is for Hawthome Properties, Ltd. ownership only

If the project is to be developed in phases, give a brief description of how it will be phased or attach a legible descriptive document. Project is currently approved for 2 phases
Please attach the exact legal description for the property being petitioned. A legible TAX RECEIPT or PROPERTY RECORD CARD and a copy of the WARRANTY DEED are required. A current survey of such property may also be required.
<u>SURROUNDING PROPERTY OWNERS LIST</u> (Provided by County Staff, for which applicant will be billed as part of application fees).
Complete names and addresses of Property Owner's of property lying within FIVE HUNDRED FEET (500') surrounding the property legally described on PAGE 2 of this application. Names will be obtained from the latest Official County Tax Rolls, as recorded, located in the Office of the Lake County Property Appraiser.

OWNER'S AFFIDAVIT

STATE OF FLORIDA) COUNTY OF LAKE) BEFORE ME, the undersigned authority personally appeared who being by me first duly sworn on oath, deposes and says: That he/she is the fee-simple owner of the property legally described on this application. 1. That he/she desires a Mining Site Plan to accomplish the above desired request, as 2. stated on page one of this Application. That he/she has appointed _ 3. to act as Agent to accomplish the above. Owner's Signature) STATE OF FLORIDA The foregoing instrument was acknowledged before me this 2001, by Charles Enferce from What has produced What is a small control of the contr Who is personally known to me on who as identification and who did 🔂 or did not 🗌 has produced. take an oath. AOTARY PUBLIC. (Signature) (SEAL) Print or type Notary Name Commission (serial) Number

NOTE: The Owner is also required to complete the Applicant's Affidavit of this Application if no agent is appointed to act in his stead.

Jerry L. Baker NY COMMISSION # CC888833 EXPIRES November 16, 2003 BONDED THRU TROY FAIN INSURANCE, INC. My Commission Expires:

APPLICANT'S AFFIDAVIT

STATE OF FLORIDA)
COUNTY OF LAKE)

	RECORE ME the undersigne	ed authority personally appeared <u>Charles E. Hawthorne</u>
	BEFORE WE, the discovery	who being first duly sworn on oath, deposes
and sa		
(1)	Regulations, and Provisions of Lake herewith and attached hereto, are to and further, that this application and Lake County, Florida and are not RE	
(2)	That he/she desires a Mining Site Pla	an to accomplish the above, as stated on Page One.
(3)	That the submittal requirements for completed and attached hereto as page	r this Application, which are attached hereto, have been art of this Application.
	(Applicant's Signature)	·
SIAH	E OF FLORIDA	7.5
The fo	pregoing instrument was acknowledged	before me this 31 day of July known to me or who
20 <u>0</u>	1. by Chadas Effantas	before me this 3151 day of July Who is personally known to me or who as identification and who did 9 or did not 9
has pr	n oath.	
		NOTARY PUBLIC, (Signature)
	(SEAL)	Terry L. Bakers Print or type Notary Name
		Commission (serial) Number
	Derry L. Baker MY COMMISSION & CC888833 EXPIRES November 16, 2003 BONDED THRU TROY FAIN INSURANCE, INC.	My Commission Expires:

THAT PORTION OF SECTIONS 22 AND 27, TOWNSHIP 24 SOUTH, RANGE 26 EAST, DESCRIBED AS FOLLOWS: COMMENCE IT THE SOUTHWEST CORNER OF SAID SECTION 22; THENCE NORTH 00"38"35" WEST ALONG THE WEST BOUNDARY F SAID SECTION 22, A DISTANCE OF 66.46 FEET; THENCE NORTH 89"40"19" EAST, 154.64 FEET TO A FOUND F SAID SECTION 22, A DISTANCE OF 66.46 FEET; THENCE NORTH 89"40"19" EAST TO THE EASTER'S CONTRACT NORTH 80"40"10" FAST TO THE EASTER'S CONTRACT NORTH NORTH RESEARCH NORTH N CONCRETE MONUMENT; THENCE CONTINUE NORTH 89'40'19" EAST, 39.03 FEET TO THE EASTERLY RIGHT OF WAY OF CONCRETE MONUMENT; THENCE CUNTINUE NORTH 69 40 19 EAST, 59.05 TELL TO THE EASTERLY RIGHT OF WAY OF BOGGY MARSH ROAD AND THE POINT OF BEGINNING; THENCE CONTINUE NORTH 89 40 19 EAST, 1870.74 FEET TO A DUND CONCRETE MONUMENT: THENCE SOUTH 00°20'35" EAST, 1340.00 FEET TO A CONCRETE MONUMENT MARKED LLS. 2142; THENCE NORTH 89°50'55" EAST, 341.08 FEET TO A CONCRETE MONUMENT MARKED 2142; THENCE SOUTH 00'36'30" EAST, 15.65 FEET TO A CONCRETE MONUMENT MARKED R.L.S. 2142 ON THE NORTH BOUNDARY SOUTH OU DO DU EAST, 13.03 FEET TO A CONTRETE MORTHWEST 1/4 OF THE AFORESAID SECTION 27:

OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF THE NORTHWEST 10 A POINT THAT IS 50.70 FEET

HENCE NORTH 88'57'56" EAST ALONG THE SAID NORTH BOUNDARY, 213.04 FEET TO A POINT THAT IS 50.70 FEET ROM THE NORTHEAST CORNER OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4; ROM THE NORTHEAST CORNER OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4;
THENCE SOUTH 03°05'34" EAST, 605.02 FEET TO THE NORTH RIGHT OF WAY LINE OF COUNTY ROAD NO. 474;
THENCE SOUTH 88°55'19" WEST ALONG THE SAID RIGHT OF WAY LINE 33.83 FEET; THENCE NORTH 01°04'41" WEST,
THENCE SOUTH 88°55'19" WEST ALONG THE SOUTH 01°04'41" EAST, 100.00 FEET TO THE
TOO.00 FEET; THENCE SOUTH 88°55'19" WEST, 50.00 FEET; THENCE SOUTH 88°55'19" WEST ALONG THE
FORESAID NORTH RIGHT OF WAY LINE 0F COUNTY ROAD NO. 474; THENCE SOUTH 88°55'19" WEST ALONG THE AID RIGHT OF WAY LINE, 1887.59 FEET TO THE WEST BOUNDARY OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4 SAID RIGHT OF WAT LINE, 1007.39 FEET TO THE HEST BOUNDARY OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4 OF THE AFORESAID SECTION 27; THENCE NORTH 00'40'49" WEST ALONG THE SAID WEST OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 ORTHWEST 1/4; THENCE NORTH 48'05'02" WEST ON A LINE TO THE SOUTHWEST CORNER OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SAID SECTION 27, A DISTANCE OF 412.15 FEET TO THE EASTERLY RIGHT OF WAY LINE OF AFORESAID BOGGY MARSH ROAD; THENCE NORTH 01"25"31" EAST ALONG SAID EASTERLY RIGHT OF WAY LINE OF AFORESAID BOGGY MARSH ROAD; THENCE NORTH 01"25"31" EAST ALONG SAID RIGHT OF WAY LINE, NORTH 29"50"29" WEST, 1997 OF WAY LINE, 352.42 FEET; THENCE CONTINUE ALONG SAID RIGHT OF WAY LINE, NORTH 60"09"31" EAST, 50.00 FEET; 1998 FEET; THENCE DEPARTING THE SAID RIGHT OF WAY LINE AND RUN NORTH 60"09"31" EAST, 50.00 FEET; 1998 FEET; THENCE DEPARTING THE SAID RIGHT OF WAY LINE AND RUN NORTH 60"09"31" EAST, 50.00 FEET; 1998 FEET; THENCE DEPARTING THE SAID RIGHT OF WAY LINE AND RUN NORTH 60"09"31" EAST, 50.00 FEET; 1998 FEET; THENCE DEPARTING THE SAID RIGHT OF WAY LINE AND RUN NORTH 60"09"31" EAST, 50.00 FEET; 1998 FEET; THENCE DEPARTING THE SAID RIGHT OF WAY LINE AND RUN NORTH 60"09"31" EAST, 50.00 FEET; 1998 FEET; THENCE DEPARTING THE SAID RIGHT OF WAY LINE AND RUN NORTH 60"09"31" EAST, 50.00 FEET; 1998 FEET; THENCE DEPARTING THE SAID RIGHT OF WAY LINE AND RUN NORTH 60"09"31" EAST, 50.00 FEET; 1998 FEET; THENCE DEPARTING THE SAID RIGHT OF WAY LINE AND RUN NORTH 60"09"31" EAST, 50.00 FEET; 1998 FEET; THENCE DEPARTING THE SAID RIGHT OF WAY LINE AND RUN NORTH 60"09"31" EAST, 50.00 FEET; 1998 FEET; THENCE DEPARTING THE SAID RIGHT OF WAY LINE AND RUN NORTH 60"09"31" EAST, 50.00 FEET; 1998 FEET; THENCE DEPARTING THE SAID RIGHT OF WAY LINE AND RUN NORTH 60"09"31" EAST, 50.00 FEET; 1998 FEET; THENCE DEPARTING THE SAID RIGHT OF WAY LINE AND RUN NORTH 60"09"31" EAST, 50.00 FEET; 1998 FEET; THENCE PROPERTING THE SAID RIGHT OF WAY LINE AND RUN NORTH 60"09"31" EAST ALONG THE SAID RIGHT OF WAY LINE AND RUN NORTH 60"09"31" EAST ALONG THE SAID RIGHT OF WAY LINE AND RUN NORTH 60"09"31" EAST ALONG THE SAID RIGHT OF WAY LINE AND RUN NORTH 60"09"31" EAST ALONG THE SAID RIGHT OF WAY LINE AND RUN NORTH 60"09"31" EAST ALONG THE SAID RIGHT OF WAY LINE AND RUN NORTH 60"09"31" EAST ALONG THE SAID RIGHT OF WAY LINE AND RUN NORTH 60"09"31" EAST ALONG THE SAID RIGHT OF WAY LINE AND RUN NORTH 60"09"31" EAST ALONG THE SAID RU DS.89 FELT; IMENUE DEPARTING THE SAID RIGHT OF WAT LINE AND RON MORTH 600931 EAST, SOLOU FEET; THENCE SOUTH 6009'31" WEST, 50.00 FEET TO THE AFORESAID HENCE NORTH 29'50'29" WEST, 100.00 FEET; THENCE EASTERLY RIGHT OF WAY LINE OF BOGGY MARSH ROAD; THENCE NORTH 29'50'29" WEST, 187.42 FEET; THENCE EASTERLY RIGHT OF WAY LINE OF BOGGY MARSH ROAD; THENCE NORTH 29'50'29" WEST, 187.42 FEET; THENCE EASTERLY RIGHT OF WAY LINE NORTH 04"23"01" EAST, 344.92 FEET TO THE POINT OF BEGINNING.

LESS THE FOLLOWING DESCRIBED PARCEL:

COMMENCE AT THE NORTHEAST CORNER OF SECTION 27, TOWNSHIP 24 SOUTH, RANGE 26 EAST, LAKE COUNTY, FLORIDA AND RUN SOUTH 00°43'52" EAST, ALONG THE EAST LINE OF SAID SECTION 27, A DISTANCE OF 1929 98 FEET, TO THE NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD NO. 474; THENCE SOUTH 88°55'19" WEST, ALONG SAID NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD NO. 474, A DISTANCE OF 3736.97 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE SOUTH 88°55'19" WEST ALONG SAID NORTHERLY RIGHT OF WAY, A DISTANCE OF 660.00 FEET; THENCE DEPARTING SAID NORTHERLY RIGHT OF WAY LINE RUN NORTH 00°24'50" WEST 1122.08 FEET, THENCE NORTH 88°55'19" EAST 660.00 FEET, THENCE SOUTH 00°24'50" EAST 1122.08 FEET TO THE POINT OF BEGINNING. CONTAINING 17.0 ACRES, MORE OR LESS (AS RECORDED IN OFFICIAL RECORD BOOK 1900, PAGE 696, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA.)

Wednesday, July 25, 2001

Property Records Search Results

Alternate Key: 1031699
HAWTHORNE PROPERTIES LTD

3808 DOUNE WAY CLERMONT, FL34711 Parcel: 27-24-26-000200000800 Alt Key: 1031699 Mill Grp: 0005 Loc Notes: 15441 COUNTY ROAD 474

Legal Description:

BEG AT NW COR OF SEC RUN E 2045 FT, S 1300 FT, E 341 FT, S 17 FT, E 209 FT, S 1DEG 53MIN 20SEC E 662.02 FT, W 1956 FT, N 660 FT, N 45DEG W TO PT S OF POB, N TO POB--LESS & LYING W'LY OF E'LY LINE OF SOUTH BOGGY MARSH RD IN W 1/2 OF NW 1/4 OF NW 1/4 & LESS FROM NE COR OF SEC RUN S 1929.98 FT TO N'LY R/W LINE OF CO RD 474, W ALONG SAID N'LY R/W LINE 3736.97 FT FOR POB, CONT W 660 FT, N 1122.08 FT, N 88DEG 55MIN 19SEC E 660 FT, S 1122.08 FT TO POB--ORB 1186 PG 890

Land Data

Line	Use	Front	Depth	Notes	# Unit	Type	Class Value	Just Value
1	9900	0	0		54.6	AC	0	273000
2	9600	0	0		6.7	AC	0 .	302
3	9900	0	0		3.5	AC	0	14000
J	,,,,	-				Totals:	0	287302

Building Characteristics

Section Type Section Number Ext Wall Type Number of Stories Floor Area

Sales History

O.R. Book	O.R. Page	Sale Date	Instrument	Qualified/Unqualified	Vac Impr	Sale Price	
0930	1796	07/01/1987	WD	М	V	340000	
1186	0890	07/01/1992	СТ	U	V	0	

Total Just Value Total Exempt Value Total Taxable Value

287302

0

287302

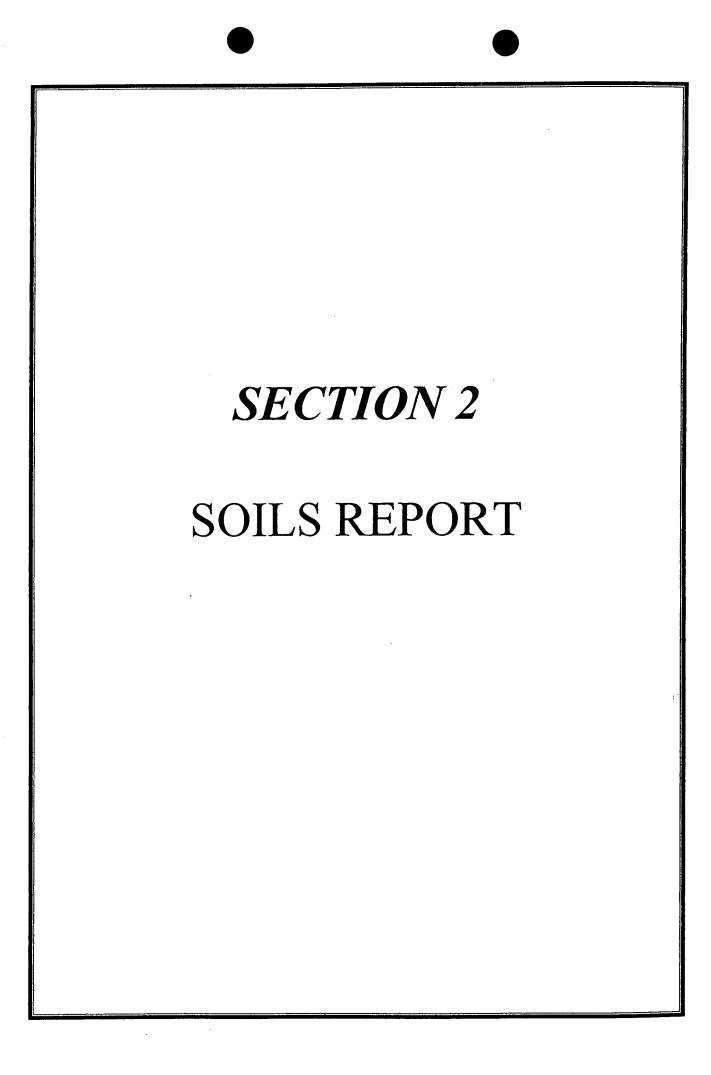
* May Reflect Save-Our-Homes Limitations





The site designed and hosted by Weisco Computers Inc.
Problems with this site? E-mail the Webmaster.

©Copyright 1999 Lake County Property Appraiser. All rights reserved.





December 14, 1995

Offices In:

- · Orlando
- · Gainesville
- · Fort Myers
- Merritt Island
- St. Augustine
 Daytona Beach

· West Palm Beach

Bishop and Buttrey, Inc. 6239 Edgewater Drive, Suite D1 Orlando, Florida 32810

Attention:

Mr. John Buttrey

Reference:

Groundwater Evaluation

Pot of Gold Development (Hawthorn Borrow Pit No. 26)

Lake County, Florida Project No. 17862-018-04 Report No. 95-1256E

Dear Mr. Buttrey:

We understand that you have applied for a Lake County mining permit for this project. One of the requirements for mining permits in this area is to demonstrate that the mining operation will have no impact on the surrounding groundwater conditions. Specifically for this project, there was the question as to whether or not stormwater that may perch above the near surface clay layer would no longer flow into the adjacent Green Swamp after the clay was excavated.

Our field exploration consisted of installing four temporary piezometers in order to measure the stabilized groundwater levels. Survey information provided by Altamonte Surveying indicated that the groundwater levels ranged from elevation 119 to 120.5 at our piezometer locations. By deriving groundwater contours, it is evident that the predominant groundwater flow at this is from west to east towards the Boggy Marsh which is part of the Green Swamp. The water level within the Boggy Marsh was measured at elevation 117.8 on the same day. There appears to be a peak in the groundwater regime within the central portion of the site so that the northeastern portion of the site drains toward the swamp to the northeast of the project. Therefore, when the near surface clay layer is removed from the site, stormwater will infiltrate to the natural groundwater table and flow into the Boggy Marsh, thus having no impact on the Green Swamp. The derived groundwater contours are presented on the attached groundwater contour map.

We anticipate that during the wet season, the groundwater levels will rise on the order of 2- to 3feet above the existing levels measured at our piezometer locations. This will still be well below the bottom of the excavation.

Additionally, we performed one soil boring advanced to a depth of 150-feet in order to evaluate the depth to the confining layer and limestone layer. After completing this boring, the borehole was backfilled with cement grout. Detailed descriptions of the soil encountered are presented in the attached boring log.

Bishop and Buttrey, Inc.

Attention:

Mr. John Buttrey

Reference:

Groundwater Evaluation

Pot of Gold Development (Hawthorn Borrow Pit No. 26)

Lake County, Florida Project No. 17862-018-04 Report No. 95-1256E

December 14, 1995

Page No. 2

We appreciate the opportunity to have worked with you on this project and look forward to a continued association. If you should have any questions, or if you need further assistance, or discussion of your development options for this project, please do not hesitate to call.

Respectfully submitted,

UNIVERSAL ENGINEERING SCIENCES, INC.

Mark C. Israel, P.E.

Project Manager

Bruce H. Woloshin, P.E.

P.E. No. 36734

Manager - Geotechnical Engineering





Offices In:

- Orlando
- · Gainesville
- · Fort Myers
- · Merritt Island
- St. Augustine
- · Daytona Beach · West Palm Beach

December 22, 1995

Bishop and Buttrey, Inc. 6239 Edgewater Drive, Suite D1 Orlando, Florida 32810

Attention:

Mr. John Buttrey

Reference:

Geotechnical Exploration

Pot of Gold Development (Hawthorn Borrow Pit No. 26)

Lake County, Florida Project No. 17862-018-01

Dear Mr. Buttrey:

At your request Universal Engineering Sciences has performed a deep soil boring (through the confining layer and into the limstone) at a location selected by Ms. Rebecca Jetton. The boring log and boring location plan are included with this letter.

We appreciate the opportunity to have worked with you on this project and look forward to a continued association. If you should have any questions, or if you need further assistance, or discussion of your development options for this project, please do not hesitate to call.

Respectfully submitted,

UNIVERSAL ENGINEERING SCIENCES, INC.

Mark C. Israel, P.E. Senior Project Engineer

Com July



PROJECT NO .: 17862-018-03

RANGE: 26

REPORT NO.:

PAGE:

A-2.1

PROJECT:

POT O' GOLD

BORING DESIGNATION: SECTION: 27

B-1A TOWNSHIP: 24 SHEET: 1 of 3

CLIENT:

LAKE COUNTY, FLORIDA BISHOP & BUTTREY, INC.

G.S. ELEVATION (ft): 149.0

DATE STARTED:

11/13/95

LOCATION: REMARKS:

SEE BORING LOCATION PLAN

WATER TABLE (ft):

DATE FINISHED:

11/14/95

DATE OF READING:

DRILLED BY:

UES - ORLANDO

						EST. S.H.W.T. ((ft):	T	YPE OF	SAMPLIN	IG: ASTM	I D-158
DEPTH (FT.)	S A M P	BLOWS PER 6"	N (BLOWS/	w.t.		DESCRIPTION	-200 (%)	MC (%)		RBERG MITS	K (FT./	ORG
	E	INCREMENT	FT.)		ů				LL	PI	DAY)	(%
o —	H					Very loose brown fine SAND [A-3]			-			
_	\boxtimes	2-1-2	3						}			
` -	X	2-1-2	3			light graγ-brown loose						
5	Ä	2-2-6	8		///	Medium dense orange & brown clayey SAND	 					
	\forall	9-10-15 9-11-16	25 27			[A-2, A-6]						
	X.	15-15-20	35			dense						
10	7							1			****** ** * * * * * * * * * * * * * * *	
								1		}		
15	X.	4-14-21	35									
'3 -				· ·		Dense light gray fine SAND [A-3]						
1				-		medium dense						
20	<u>X</u>	5-10-11	21								,,	
,				ļ						İ		
4				ŀ								
25	X]	9-10-14	24									
				ļ]		
-						dense						
30	¥	10-20-25	45									
1			ļ	ŀ		medium dense						
4	\forall			ļ		modium donde						
35	7	8-9-11	20							······ }··		
7				ŀ								
1	d .	10-14-17	31	ł	::	dense				-		
40-	7	10-14-17	31		$\exists \dagger$							
\dashv				F		,						
}	7	9-13-20	33	F								
45	٦	0 10 20		-								
}					<u>∷</u>]				1			
	7	7-22-29	51	F	::]	Very dense light gray to white fine SAND with silt. [A-3, A-2]						
50 -	1			F		THE PROPERTY OF THE PROPERTY O						
1				ţ								
朩	₫,	9-17-22	39		\cdots	- dense						
55	1											



PROJECT NO .:

PAGE:

17862-018-03

REPORT NO .:

A-2.2 ·

PROJECT:

POT O' GOLD

BORING DESIGNATION: SECTION: 27

B-1A TOWNSHIP: 24 SHEET: 2 of 3

RANGE: 26

LAKE COUNTY, FLORIDA

	S A M	BLOWS PER 6	N (BLOWS/	w.t.	S Y M B	DESCRIPTION	-200 (%)	MC (%)		RBERG MITS	K (FT./	ORG
(FT.)	P L	INCREMENT	FT.)		Ö		(70)	(70)	u	PI	DAY)	(%)
55 —	\Box								-			—
=					· · · ·					 		
60 -	X	10-14-21	35			Dense light gray to white silty fine SAND [A-2]						
.]	\triangleleft	7.14.16	20			medium dense						
65 -		7-14-16	30						········			
70	X	2-5-6	11									
1										!		
75	X.	6-7-9	16			Medium dense orange fine SAND [A-3]						ļ
			_			light yellowish gray-brown						
80	4	3-5-12	17									
	X	3-4-3	7			loose						
85 - - -												
90	X.	1-1-3	4			very loose						
-												
95	X.	1-1-1	2			Very loose gray-green clayey SAND (A-2, A-6)						·•·•
1						light orange						
100	4	0-0-1	1									
1,5	X	2-3-3	6			loose						
105	Ť.											
110	X	4-10-17	27			Medium dense dark green silty SAND [A-2]	1					



ROJECT NO.:	17862-018-03

REPORT NO .:

PAGE:

A-2.3

PROJECT:

POT O' GOLD

LAKE COUNTY, FLORIDA

BORING DESIGNATION: SECTION: 27

B-1A TOWNSHIP: 24 SHEET: 3 of 3

RANGE: 26

DEPTH	S A M P	BLOWS PER 6"	N (BLOWS	/ w.t.	S Y M B	DESCRIPTION	-200 (%)	MC (%)		RBERG MITS	K (FT./	ORG.
(FT.)	E	INCREMENT			, r		(70)	(70)	£L.	PI	DAY	(%)
110-	Ŧ				ा त				-			
	1								1.			
	⇟		00			Medium dense light brown to tan SAND & highly decomposed LIMESILT						
115 -	1	6-8-12	20			riighiy decomposed LiiviESiE1				·		
	1											
120 -	<u>X</u>	39-23-34	57			very dense						
120	+											
										}	:	
125 -	1 X	14-21-100	100/14								••••	
	1											
	$\frac{1}{\sqrt{2}}$	35-100	100/8"		•							
130	<u> </u>	33-100	1.00/0								•••••	
-	1											
135 -	X	65-55-31	86									
	1											
-						medium dense						
140 —	M	3-10-13	23									
-	7											
-	X	9-12-12	24								ĵ	
145				ŀ								
-				-								
150 -	X	100	100/4*	 	ij	Light brown to tan fragmented LIMESTONE BORING TERMINATED AT 150.0'						
-	1					BONING TENVINATED AT 150.0						
-]				- 1							
155 —]											
-]											
-]									.		
160 —	1											
- -								į				
165 —												
100	, ,	- 1	1	- 1		· · · · · · · · · · · · · · · · · · ·			1			



PROJECT NO.:

17862-018-03

REPORT NO.:

54355

PAGE:

A-2.1

RANGE: 26

PROJECT:

POT O' GOLD

BORING DESIGNATION:

B-1
TOWNSHIP: 24

SHEET: 1 of 1

LAKE COUNTY, FLORIDA

BISHOP & BUTTREY, INC.

G.S. ELEVATION (ft): 150.0

DATE STARTED: 9/9/95

CLIENT: LOCATION:

SEE BORING LOCATION PLAN

GROUNDWATER TABLE NOT ENCOUNTERED.

WATER TABLE (ft):

DATE FINISHED:

9/9/95

REMARKS:

GROUND SURFACE ELEVATION IS APPROXIMATE. STABILIZED

DATE OF READING: 9/9/95

DRILLED BY:

UES - ORLANDO

EST. W.S.W.T. (ft):

SECTION: 27

TYPE OF SAMPLING: ASTM D-1586

DEPTH M	BLOWS	N (BLOWS/	w.t.	S Y M B	DESCRIPTION	-200 (%)	MC (%)		RBERG MITS	K (FT./	ORG CONT
(FT.) P	INCREMENT			ο̈́ι			(-70)	LL	PI	DAY	(%)
0	-				Medium dense brown SAND [A-3]	 	ļ	-			
$\frac{1}{\lambda}$	7-7-8	15									
- X	3-3-2	5		• •	Loose light brown SAND [A-3]	-					
5 — X	2-3-2	5									
-\x	2-3-2	5			- 13		-				
	7										·
- 	2-3-3	6									
10	3-4-3	7			Stiff gray, purple & red CLAY with sand					• • • • • • • • • • • • • • • • • • • •	
]					[A-7]						
-											
15	4-7-7	14									
-											
1										İ	
-\	7-11-18	29			- very stiff						
20	7-11-18	29									
-										1	
 			Ĭ		Very dense light gray SAND with clay [A-2]						
25	21-37-40	77								3.1	
4			ŀ				ļ				
1			ŀ								
-\\	21-21-21	42	ŀ		dense						
30 - 1	21-21-21	42									
-			ŀ					Ì			
-			-				·				
35	1.1-21-20	41			DODING TERMINATED AT OF O						
				l	BORING TERMINATED AT 35.0'						
-											
			l								
40											



PROJECT NO .: 17862-018-03 54355 REPORT NO .:

PAGE:

A-2.2

PROJECT:

POT O' GOLD

BORING DESIGNATION: SECTION: 27

B-2 TOWNSHIP: 24 SHEET: 1 of 1 RANGE: 26

LAKE COUNTY, FLORIDA

G.S. ELEVATION (ft): 149.0

CLIENT: LOCATION: BISHOP & BUTTREY, INC.

DATE STARTED: 9/9/95.

SEE BORING LOCATION PLAN

WATER TABLE (ft): N.E.

DATE FINISHED: 9/9/95

REMARKS:

GROUND SURFACE ELEVATION IS APPROXIMATE. STABILIZED

DATE OF READING: 9/9/95

DRILLED BY:

UES - ORLANDO

	BLOWS PER 6"	N (BLOWS/	w.t.		DESCRIPTION	-200 (%)	MC (%)		ERBERG MITS	K (FT./	OF
" ' '	INCREMENT	FT.)		l L		-		LL	PI	DAY)	(9
0					Loose light gray-brown SAND [A-3]	ļ		 	 		<u> </u>
+	1	ļ			Loose light gray-brown SAND (A-3)						
-{/	4-4-4	8				Í				<u>.</u>	
7	2-2-2	4			very loose						j
	7									• • • • • • • • • • • • • • • • • • • •	
3 7	1-2-2	4			medium dense:						
· 4	3-6-6	12			loose						
-12	3-4-5	9			Stiff light gray-green sandy CLAY [A-7]						
1	8-7-8	15		• •	Medium dense light brown fine SAND [A-3]	1					
10	1							1			
]					Stiff purple & gray CLAY (A-7)						
					•		1				
	7							Ì			
15	4-4-5	9					ļ				
+]									
1		ĵ			Medium dense light gray to orange-brown						
1	1				SAND [A-3]						
20	5-11-9	20					ļ		ļ		
4											
4			ľ								
1											
1X	8-12-13	25	ŀ							1.3	
25											
_											
4										ĺ	
-\\	8-10-11	21	ŀ								
30	8-10-11	21									
4							-		•		
1				:::							
$\frac{1}{2}$			-								
35	12-14-15	29			PODING TERMINATED AT OF OL						
	'				BORING TERMINATED AT 35.0'						
4					·						
		1		- 1	1	,		i	j j	. 1	



PROJECT NO.:

17862-018-03

REPORT NO .:

54355

PAGE:

A-2.3

PROJECT:

POT O' GOLD

BORING DESIGNATION:

SECTION: 27

B-3 TOWNSHIP: 24 SHEET: 1 of 1 RANGE: 26

CLIENT:

LAKE COUNTY, FLORIDA BISHOP & BUTTREY, INC.

G.S. ELEVATION (ft): 145.0

DATE STARTED: 9/9/95

LOCATION:

SEE BORING LOCATION PLAN

GROUNDWATER TABLE NOT ENCOUNTERED.

WATER TABLE (ft): N.E.

DATE FINISHED: 9/9/95

REMARKS:

GROUND SURFACE ELEVATION IS APPROXIMATE. STABILIZED

DATE OF READING:

DRILLED BY:

9/9/95

UES - ORLANDO

EST. W.S.W.T. (ft):

TYPE OF SAMPLING: ASTM D-1586

DEPTH	S A M	BLOWS PER 6"	N (BLOWS/	w.t.	S Y M B	DESCRIPTION	-200 (%)	MC (%)		ERBERG MITS	K (FT./	OF
(FT.)	P L E	INCREMENT	FT.)		ο ι		-	(70)	LL	PI	DAY	(%
.0					ļ.,,	Very loose orange-brown SAND [A-3]						
-	H					Very loose drange-brown SAND (A-S)		1		İ		
-	X.	2-1-2	3					}				
-	X	1-2-2	4		11	Medium dense orange-brown silty & clayey	-					
5 —	Х.	"8-1'1-1'4'''	25			SAND [A-2]						
-	∇					Very stiff to hard gray, purple & red sandy CLAY [A-7]		1				
-	Θ	10-14-18	32						1			
4	Д	13-17-19	36				1					
٦ ٦	X	12-17-20	37					1				
10	7							Ī				
4												
-{			}	1		Dense light gray SAND [A-3]	-					
[X	17-20-25	45]	
15	7					······································						• • • • • • • •
]							1					
4		ŀ		ŀ						'	}	
	Ⅺ.		47				1	1			100	
20 -	<u></u>	15-21-26	47								10.0	
1	ı			ļ	::							
]				<u> </u>								
4	7			ŀ								
25	<u> 4.1</u>	15-27-22	49									
4				ŀ								
				ļ.	::					.		
- 	-		ŀ	:		very dense						
30	<u> </u>	4-30-30	60	·								
1						BORING TERMINATED AT 30.0'						
		[}							-	
4		}										
\		1										
35 —			·····				••••					
]		-			-	,						•
1												
4			-									
40												



PROJECT NO .:

17862-018-03

REPORT NO .:

54355

PAGE:

A-2.4

PROJECT:

CLIENT:

POT O' GOLD

BORING DESIGNATION:

B-4

SHEET: 1 of 1

SECTION: 27

TOWNSHIP: 24

RANGE: 26

LAKE COUNTY, FLORIDA

BISHOP & BUTTREY, INC.

SEE BORING LOCATION PLAN

WATER TABLE (ft):

DATE STARTED: DATE FINISHED:

9/9/95 9/9/95

LOCATION: **REMARKS:** GROUND SURFACE ELEVATION IS APPROXIMATE

DATE OF READING: 9/9/95

G.S. ELEVATION (ft): 131.0

DRILLED BY:

UES - ORLANDO

DEPTH	SAMP	A BLOWS N Y M PER 6" (BLOWS/ W.T. M B DESCRIPTION			DESCRIPTION	-200	MC	ATTE	ERBERG MITS	K (FT./	ORC	
(FT.)	L INCREI	INCREMENT	FT.)		, i		(76)	(%)	LL	Pt	DAY	(%)
o -	H	 			 	Loose brown SAND [A-3]			 	 		-
-	M		_									
-	M	3-2-3	5									
_	$\langle \rangle$	2-2-2	4	Y	7.77	Loose.orange-brown.clayey.SAND.[A-2/A-6]	_					
5 — -	\bowtie	4-4-4	8			Very stiff orange, gray and purple sandy						
-	Θ	5-9-11	20			CLAY [A-7]						
-	()	10-12-18	30	i		Very stiff red, brown and purple CLAY [A-7]						
10	Й	25-18-20	38			Dense orange-brown SAND [A-3] BORING TERMINATED AT 10.0'	<u> </u>	1	ļ			
-						22					(1
1	1											
			ĺ									
15							ļ					
-	l							:				
-												
20												
-												i
]	1											
25 —												
j		j	Ì									
4										ŀ		
_ {			i							}		
30 -											······	
4											İ	
+												
35 —												
+				İ		·						
]							ļ			•]		
10 -									l			



PROJECT NO .:

17862-018-03

REPORT NO .:

PAGE:

54355

A-2.5

PROJECT:

POT O' GOLD

BORING DESIGNATION:

B-5

SHEET: 1 of 1

LAKE COUNTY, FLORIDA

SECTION: 27

TOWNSHIP: 24

RANGE: 26

CLIENT:

BISHOP & BUTTREY, INC.

G.S. ELEVATION (ft): 148.0

DATE STARTED:

9/9/95

LOCATION:

SEE BORING LOCATION PLAN

WATER TABLE (ft):

DATE FINISHED:

9/9/95

REMARKS:

GROUND SURFACE ELEVATION IS APPROXIMATE. STABILIZED

DATE OF READING: 9/9/95

DRILLED BY:

UES - ORLANDO

DEPTH	S A BLOWS PER 6"		N (BLOWS/	wr	S Y M	DESCRIPTION	-200	MC	_ATTE	RBERG MITS	K (FT./	ORG CONT.
	101	INCREMENT	FT.)	W.1.	8 0 L		(%)	(%)	LL	Pi	DAY)	(%
0-						Very loose orange-brown SAND [A-3]						-
4						· ·						
4	Å	2-2-1	3									
	X	2-2-2	4									
5 —	Х.	··4-10-12···	22			Stiff.to.very.stiff.red-brown.sandy.CLAY			·			
-	∇	11-11-11	22			[A-7]						
· +	\Box											
	\mathcal{A}	11-16-16	32				_					
10	Д.	11-15-15	30			Hard purple CLAY [A-7]						
4												
╡						Very dense light brown SAND [A-3]	1					
-{												
15	<u>Х</u>	21-30-50	80									•••••
4												
4												
						dense					Ī	
20	ΔΙ	12-16-16	32									
											; .	
4											. •	
-{												
25	<u>X</u>	14-18-18	36								6.0	
25												
\dashv												
-{						dense						
30	X	17-25-32	57				1					
30]	7					BORING TERMINATED AT 30.0'					ļ	
+											Ì	
4					İ							
35						<u>'</u>						
]												
1												
1	- 1	1	1	i			1 1					



PROJECT NO .:

17862-018-03

REPORT NO .:

PAGE:

54355

A-2.6

PROJECT:

POT O' GOLD

B-6 BORING DESIGNATION: TOWNSHIP: 24 SHEET: 1 of 1 RANGE: 26

SECTION: 27

DATE STARTED:

9/9/95

CLIENT: LOCATION: LAKE COUNTY, FLORIDA BISHOP & BUTTREY, INC.

G.S. ELEVATION (ft): 135.0

DATE FINISHED:

9/9/95

SEE BORING LOCATION PLAN

WATER TABLE (ft):

REMARKS:

GROUND SURFACE ELEVATION IS APPROXIMATE. STABILIZED

DATE OF READING: 9/9/95

DRILLED BY:

UES - ORLANDO

D EPTH	S A M	BLOWS PER 6"	N (BLOWS/	wr	S Y M	DESCRIPTION	-200 (%)	MC (%)		RBERG NTS	K (FT./	ORG CONT
(FT.)	P L E	INCREMENT			В О L		- (70)	(70)	LL	PI	DAY)	(%)
0 –						Loose orange, brown and gray clayey SAND						
-	M	2-2-3	5			[A-2/A-6]		1				
-	M	2-2-4	6									
5 -	X	4-4-7	11			medium dense						
-	\mathbb{N}	7-10-13	23		 	Very stiff to hard orange, brown and gray sandy CLAY [A-7]						
-	\mathbb{N}	12-24-24	48									
10 -	M	20-25-30	55		• • • •	Very dense light orange SAND [A-3]					11.0	ļ
-	$\left\{ \ \right $	•										
-	1					medium dense						
, -	X	8-8-8	16									
15 -						BORING TERMINATED AT 15.0'						
-	$\{\ \}$			ı			.				ļ	
-]		9									
20 —	 - 											
-	$\left\{ \ \right $. [ĺ	ı
-]											
25 —	 	·····						•••••				
- -		•					·					
-	$\left\{ \ \right\}$			i								
30 —	1											
-	$\left\{ \ \right\}$											
-	1											
<u>-</u>	$\left \cdot \right $	*										
35 	1	***************************************		*********								
-								•				
-	1						,					
40 -												



PROJECT NO.:

17862-018-03

REPORT NO.:

54355

PAGE:

A-2.7

PROJECT:

POT O' GOLD

BORING DESIGNATION:

B-7 TOWNSHIP: 24 SHEET: 1 of 1 RANGE: 26

SECTION: 27

DATE STARTED:

9/9/95

CLIENT: LOCATION:

LAKE COUNTY, FLORIDA BISHOP & BUTTREY, INC.

G.S. ELEVATION (ft): 130.0

DATE FINISHED:

9/9/95

REMARKS:

SEE BORING LOCATION PLAN

WATER TABLE (ft): N.E.

UES - ORLANDO

GROUND SURFACE ELEVATION IS APPROXIMATE. STABILIZED

DATE OF READING: 9/9/95

DRILLED BY:

DEPTH (FT.)	S A M	BLOWS	N		S		200	МС	ATTERBERG LIMITS		К	OR
	M PER 6"		(BLOWS/	W.T.	М В О L	DESCRIPTION	-200 (%)	(%)	LIN	PI	(FT./ DAY)	CON 1%
0 —						Very loose to loose light brown SAND [A-3]						
-	X	2-1-2	3									
-	M	2-2-4	6		· · · ·	Stiff to very stiff orange sandy CLAY [A-7]			1			
-	M										**********	
5 —	H	···9-12-10···	22			Medium dense orange, yellow and gray clayey SAND [A-2/A-6]						
-	\square	14-11-12	23			•	j		Ì			
-	M	7-10-10	20						į.			
-	X	14-12-10	22			Very stiff orange sandy CLAY [A-7]						
10 —						BORING TERMINATED AT 10.0'						,
_										1		
_			ľ									
, -	Н	į				i						
15 -												
1												
_												
-												
20 —												···········
]											:	
1				.	1				, ,	1		
4												
25 —								······				
-			:							İ		
]												
]		,								ĺ	1	
30 —												······
\dashv												
4												
7												
35												
-						·		:				
4				- [
4		ļ										
	- 1	1	1	1	- 1		}	i	!	1	- 1	



KEY TO BORING LOGS

SYMBOLS Number of Blows of a 140-ib Weight Falling 30 in. Required to Drive 22 Standard Spoon One Foot Weight of Drill Rods WOR Thin-Wall Shelby Tube Undisturbed s Sampler Used Percent Core Recovery from Rock 90% Core-Drilling Operations Rec. Sample Taken at this Level Sample Not Taken at this Level Change in Soil Strata Free Ground Water Level Seasonal High Ground Water Level

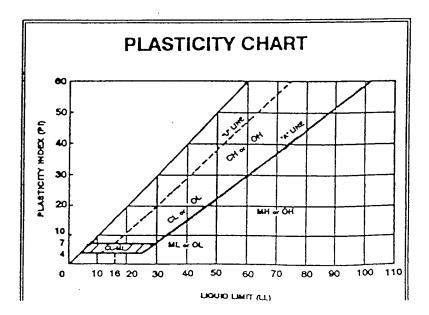
RELATIVE DENSITY (sand-silt)

Very Loose - Less Than 4 Blows/Ft.
Loose - 4 - 10 Blows/Ft.
Medium - 10 to 30 Blows/Ft.
Dense - 30 to 50 Blows/Ft.
Very Dense - More Than 50 Blows/Ft.

CONSISTENCY (clay)

Very Soft - Less Than 2 Blows/Ft.
Soft - 2 to 4 Blows/Ft.
Medium - 4 to 8 Blows/Ft.
Stiff - 8 to 15 Blows/Ft.
Very Stiff - 15 to 30 Blows/Ft.
Hard - More Than 30 Blows/Ft.

	Oltil	1200	LASSII IC	CATION SYSTEM	
	MAJOR DIVISI	ons	GROUP SYMBOLS	TYPICAL NAMES	
:	3	AN ELS	GW	Well-graded gravels and gravel-sand mixtures, little or no lines	
COARSE-GRÄNED SOILS More than 50% retained on No. 200 sleve*	GRAVELS 50% or more of coerse fraction retained on No. 4 sieve	CLEAN	GΡ	Poorly graded gravels and gravel-sand mixtures, little or no lines	
	2 2 2 2	H S:	GM	Sitty gravels, gravel-sand-sitt mixtures	
	885	GRAVELB WTH FINES	GC	Clayey gravels, gravel-sand-day mixtures	
	δ ₅ }	CLEAN	sw	Well-graded sands and gravelly sands, little or no fines	
	SANDS More than 50% of coarse fraction peases No. 4 sleve	2 %	SP	Poorly graded sands and gravelly sands, little or no fines	
	8 2 8	SAMOS WITH FINES	SM	Sity sands, sand-sitt mixtures	
	3 X	SANO: WITH FINES	sc	Clayey sands, sand-day mixtures	
	£.		ML	Inorganic sitts, very fine sands, rock flour, sitty or clayey fine sands	
LS 00 sleve	SLETS AND CLAYS	8 %	a ,	Inorganic days of low to medium plasticity, gravelly days, sandy days, sitty days, lean days	
ED 90⊬ M No. 2	ר פער דופ	8	OL.	Organic sitts and organic sitty days of low plasticity	
FINE-GRAINED BOLLS 50% or more passes No. 200 slevs*	CLAYS.	70% r	МН	Inorganic silts, micaceous or diatomaceous fine sands or silts, elastic silts	
9% or n	SILTS AND CLAYS Liquid limit greater than 80%		CH Inorganic clays or high plants		Inorganic days or high plasticity, let days
8	3KLT	8	ОН	Organic days of medium to high plasticity	
ю	ghly Organic Sc	oils	PT	Peat, muck and other highly organic soils	



Project	t: HATHORN BORROW	PIT	Job N	umber: 1	[7862-0]	18-03\7	19Shee	t1 of 1				
Manage	er: MI	Client:	BISHC)P AND	BUTTREY	Project Description:						
Locatio	on: FLA	- ,										
	FLA	— <u>.</u>	1									
Elevation	on Datum:											
Boring Depth	Specimen Description	Water	Organic	ASTM Class	K ft/day	Sieve Analysis						
Elev.	LL PL PI No	200 Conten	Content			No 4	No 10	No 40	No 60	No 100		
B-1 25.0					3.1							
B-2 25.0					1.3							
B-3 20.0					10.0							
B-5 25.0					6.0							

11.0

Summary of Material Properties

B-6 10.0

UNIVERSAL ENGINEERING SCIENCES, INC. ORLANDO, FLORIDA



Project No.

17862-018-03

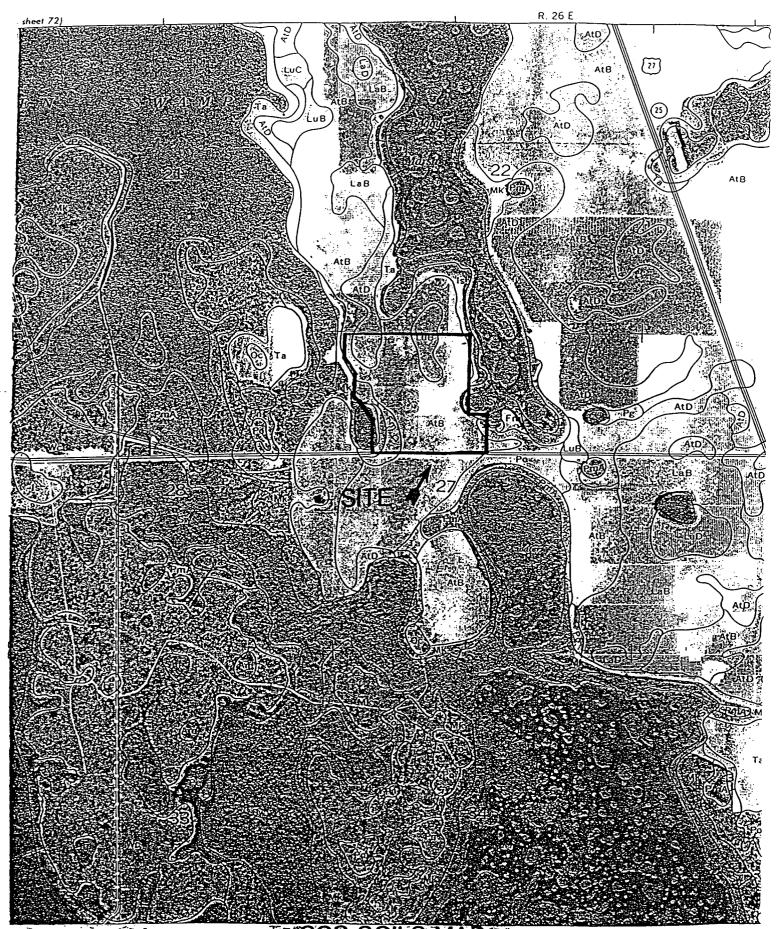
Report No.

54355

DESCRIPTION OF LABORATORY TESTING PROCEDURES

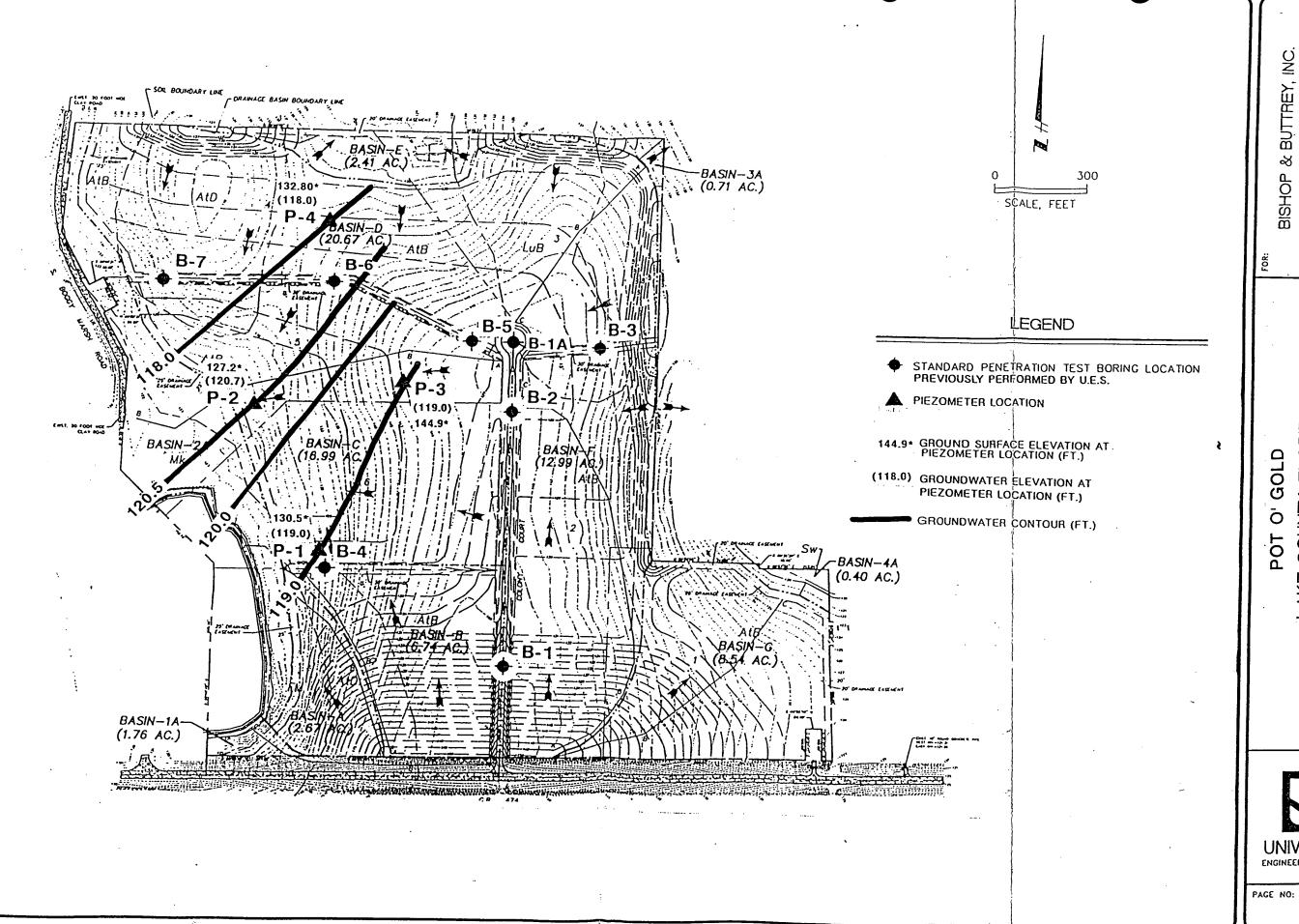
LABORATORY PERMEABILITY TEST

The laboratory permeability test is a Falling Head Test that is performed on soil samples recovered from this site. The data recovered from this test are used to calculate Darcy's Coefficient of Permeability (k) of the soil.



SCALE 1": 1667"

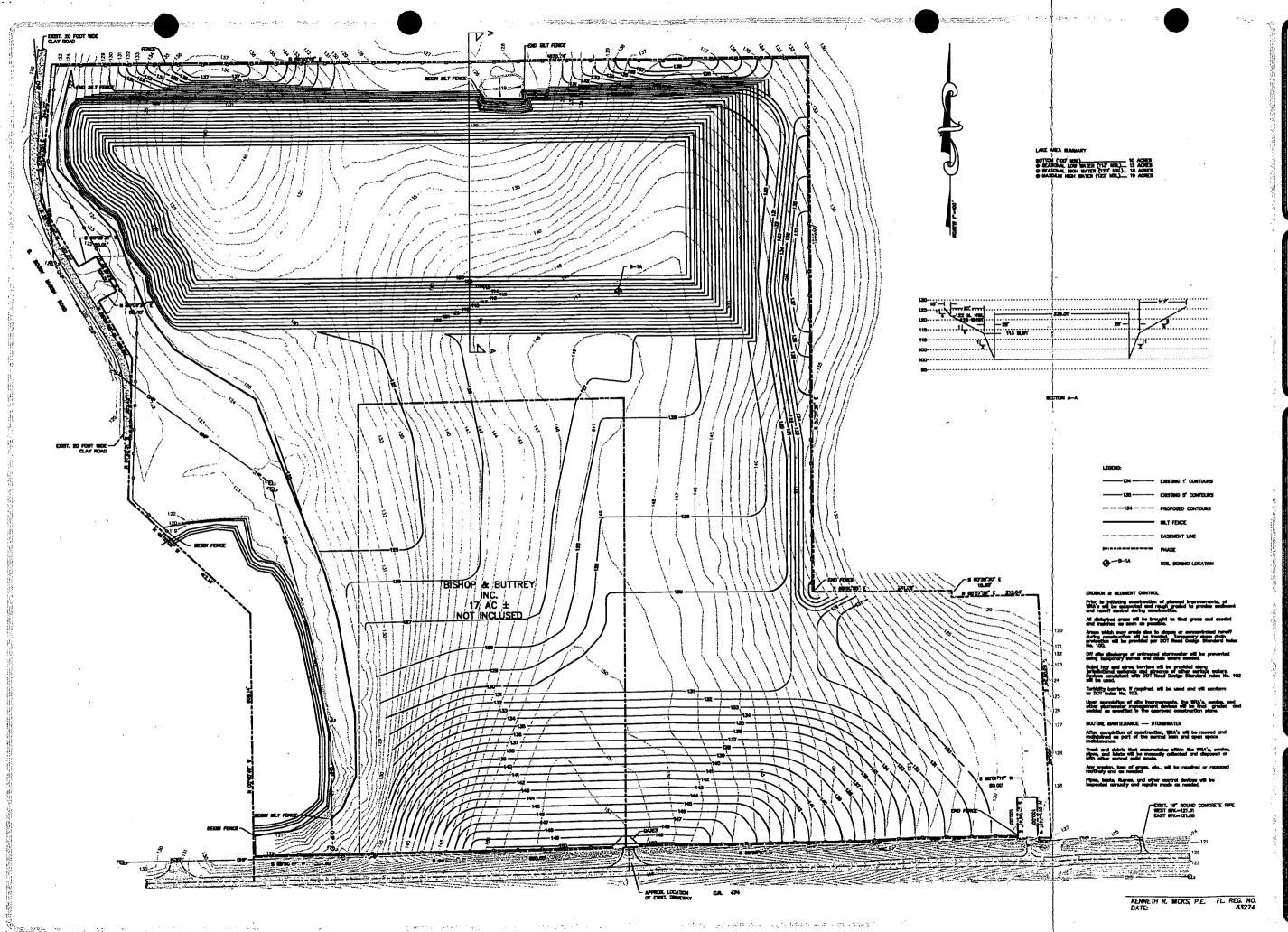
POT OF GOLD S/D
SEC 27 TWP 24S RNG 26F



COUNTY, FLORIDA CONTOUR GROUNDWATER

UNIVERSAL ENGINEERING SCIENCES

SECTION 3 RECREATIONAL LAKE **EXCAVATION PLAN**



HAWTHORNE PROPERTIES, LTD.
MINING STIE PLAN AMENDMENT
(F/K/A BISHOP & BUTTREY, INC.)

REMSON: DATE:
1-27-01
1'-27-01
1'-100'
Sheet: 1 Of: 1

MINING SITE PLAN AMENDMENT

FOR

HAWTHORNE PROPERTIES, LTD.

(F/K/A Bishop & Buttrey, Inc.) Excavation Project

Prepared For:

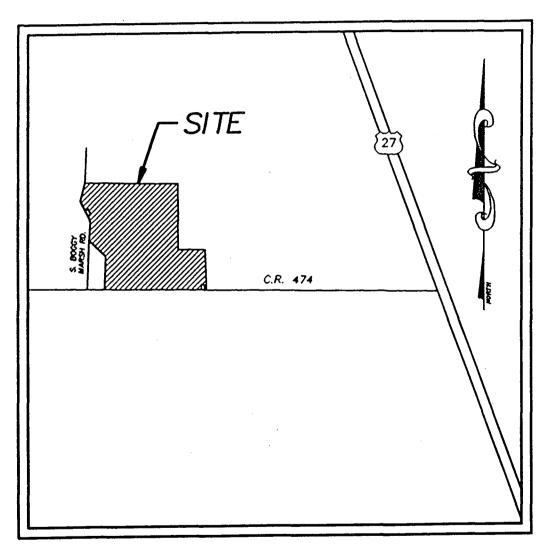
Hawthorne Properties, Ltd.
Post Office Box 289
Windermere FL 34786
(407) 858-0808

Prepared By:

Wicks Consulting Services, Inc. 225 West Main Street Tavares FL 32778 (352) 343-8667

July 24, 2001





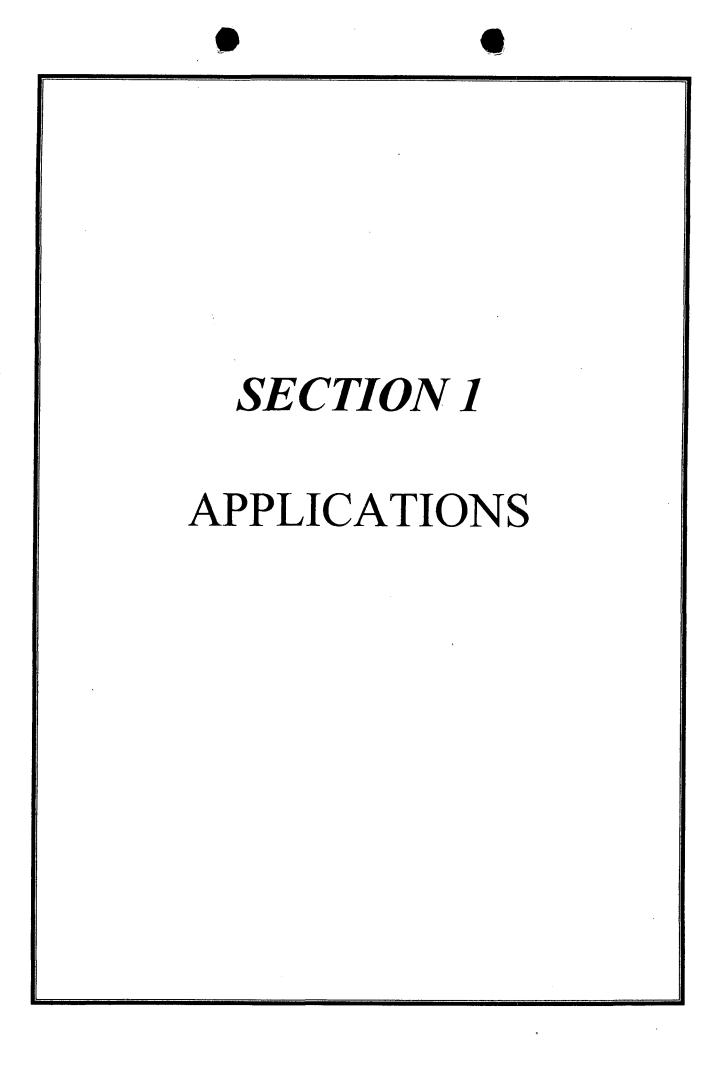
LOCATION MAP

Mining Site Plan Amendment Hawthorne Properties, Ltd.

Introduction

Mining Site Plan approval for the Bishop & Buttrey Excavation Project was granted by Lake County under MSP #96/2/2-2. A subsequent Operating Permit was issued April 11, 1996 for the project. The project involves the removal of clean sands and clay soils from the site for use in local construction projects. The removal of the soil was planned and conducted to conform to the final grading plan for the Pot of Gold Subdivision. The subdivision was proposed to be constructed as the major component of the project Reclamation Plan.

The purpose of this amendment is to eliminate the construction of the subdivision and to create a recreational lake. Final project reclamation will include the recreational lake with the remainder of the area returned to open space.



LAKE COUNTY MINING AND EXCAVATION SITE PLAN APPLICATION FORM AMENDMENT

For Off	fice Use Only: Applica	tion No	District No	Fee	Receipt No
GENER	RAL INFORMATION				170 100
	Hawthorne Propertie	es, Ltd.			
Mine or P	Project Name				
	North side of CD 47	4 Annewime	taly 1 mile weet of I	IC Huay 27	\
Location	North side of CR 47 of Mine or Project	4 Approxima	tely i/mile west of t	JS FWY ZI	
		•		Sec 22 8	27 Twp 24 S Rge 26 E
Type of M	Removal of excess of Mining Activity	overburden	clean sand and cla	yey sands &	creation of a recreational lake
.,,,,	.				
	Active Mine MSP #	96/2/2-2	Operating Pe	rmit #95-12-9	70P
Present L	Jse and Zoning of Property				
1	OWNER				
٠.	OWNER				
	Hawthorne Propertie	es, Ltd.			07) 296-0016
Name				ıeı	ephone No.
	See enclosed inform	nation			
Address					
2		ICANT			
۷.	OPERATOR OR APPI	LICANI			
	Hawthorne Propertie	es, Ltd.			
Name				Tel	ephone No.
	P. O. Box 289	Winderme	re FL 34786		:
Address	7. O. DON 200				
			45117 AND 6014DI F	~ of MIN	
3.	PROPOSED DATES (OF COMMENCE!	MENT AND COMPLE	HON OF MIN	ING
	Currently active Min	e			
_	LECAL DESCRIPTION	I OF MINE OR I	DDOIECT		
Location of Type of Mir Present Use 1. Name Address 2. Name Address 3.	LEGAL DESCRIPTION Parent Tract				
	, arone made	000 011001			
			· · · · · · · · · · · · · · · · · · ·		

The following additional information is provided in compliance with Chapter 6.06.03 of the Lake County Land Development Regulations and tracks both the language of the Code and the checklist included in Appendix A.

- 5. Ownership of all property within three hundred (300) feet of the property included in the Mining Site plan application has been researched. The ownership records and information was obtained from the Lake County Property Appraiser's Office. The ownership information is included as part of the application for Mining Site Plan Amendment, Appendix A, of this report.
- During the excavation and site reclamation process, no buildings are proposed. The access driveway to the project is shown on the project plans. A land use map and aerial photograph is also enclosed. There are no existing buildings on the project site.
- 7. A traffic analysis was submitted as part of the original Mining Site Plan. No increase in project traffic is proposed.
- 8. The sanitary wastewater needs of the project will continue to be met via portable toilet facilities and containerized drinking water. These facilities are adequate since no permanent structure or residences are proposed. No hazardous materials will be stored or used on site. The earth moving equipment is fueled and services by a transient service vehicle, consequently, no fuel is stored on the project site.
- A permit has been obtained from the St. Johns River Water Management District for the project. This permit will be modified to reflect the changes in the Reclamation Plan.
- 10. There are approximately 3 acres of wetlands on site. A Land Use and Cover Classification Map was previously submitted as part of the Mining Site Plan. There are no wetland alterations proposed as part of this project.
- 11. The upland areas were also identified on the FLUCCS map. A total of 78 acres of upland soils have been identified within the project. The uplands historically consisted of relic citrus lands. An aerial photograph is enclosed to show current site conditions.

Reclamation is now proposed to create a recreational lake and open space.

- 12. Project plans were included in the original Site Plan and Operating Permit. Revised plans are enclosed which shown the revised project.
- 13. The Mining Site Plan was approved for 47 acres including the buffer zones. (36 acres of extraction and 12 acres of setbacks). Overburden or unsuitable

materials will be stockpiled within the mining area and retained for use during the reclamation process. A waterbody will now be created as part of the project reclamation. Plan views and cross sections are enclosed.

- 14. The project has been approved for two (2) phases.
- 15. A cross-sectioned drawing was previously included in the Hydrogeologic Report. This information is not included in this report.
- 16. A Hydrogeologic Report was submitted as part of the original Mining Site Plan.
- 17. An Environmental Report was submitted as part of the original Mining Site Plan.
- 18. A revised Reclamation Plan is enclosed.
- 19. The project Reclamation Plan involves the creation of a recreational lake and open space.
- 20. No additional site specific information is submitted at this time.

Lake County, Florida DEPARTMENT OF GROWTH MANAGEMENT

MINING SITE PLAN AMENDMENT

PUBL	IC HEARING NUMBER: STAFF PLANNER INTL:
	DATE: FILING FEE:
(1) P	ROJECT NAME: Hawthorne Properties, Ltd. (f/k/a Bishop & Buttrey, Inc. Excavation Project)
	OWNER'S NAME: Charles E. Hawthorne
	COMPLETE MAILING ADDRESS: P. O. Box 289 Windermere FL 34786
	TELEPHONE NUMBER: (407) 858-0808 E-Mail Address
(2)	APPLICANT'S NAME: Charles E. Hawthorne
,	COMPLETE MAILING ADDRESS: P. O. Box 289 Windermere FL 34786
	TELEPHONE NUMBER: (407) 858-0808 E-Mail Address
(3)	The Property Is Generally Located In The Vicinity Of The Following Streets:
	CR 474 and South Boggy Marsh Road
(4)	Area of Property: Square Feet:/ Acres: 81.68 (parent tract)
	47 (MSP area)
(5)	Does Property have or will have: Central Water & Sewer OR Well And Septic Tank
` ,	Port-o-Let and containerized water
(6)	Present Zoning of Property: A + MSP #96/2/2-2
(7)	Future Land Use Designation: Rural Conservation
(8)	List Existing Structure(s) located on site and its use: None
(-)	
(9)	The Property is to be used for: extraction of sand and clay under currently approved Mining
` ,	Site Plan and Operating Permit
(10)	Applicant is hereby requesting an amendment to MSP #96/2/2-2 (Existing File Number) OR
	An application for a Mining Site Plan in accordance with Chapter 6.06.00 (LDR's
(11)	Is this application, for the above, being requested due to any Code Violation(s)? Specify the
	basis or reason(s) for this request: No
(12)	Has any previous application been filed in connection with this property:
	YES Or NO If YES, briefly describe the nature and outcome of the request
	MSP #96/2/2-2 (1996) approved

(13)	If the project is to be developed in phases, give a brief description of how it will be phased or									
	attach a legible descriptive document. Project is currently approved for 2 phases									
• • •										
(14)	Please attach the exact legal description for the property being petitioned. A legible TAX RECEIPT or PROPERTY RECORD CARD and a copy of the WARRANTY DEED are required. A current survey of such property may also be required.									
(15)	SURROUNDING PROPERTY OWNERS LIST (Provided by County Staff, for which applicant will be billed as part of application fees).									
	Complete names and addresses of Property Owner's of property lying within FIVE HUNDRED FEET (500') surrounding the property legally described on PAGE 2 of this application. Names will be obtained from the latest Official County Tax Rolls, as recorded, located in the Office of the Lake County Property Appraiser.									

Jerry L Baker MY COMMASSION # CC288335 EXPIRES November 16, 2003 BONDED TRUTPOY FAIN INGLIBANCE INC.

OWNER'S AFFIDAVIT

STATE OF FU	ORIDA)
COUNTY OF	LAKE)
Hawti	BEFORE ME, the undersigned authority personally appeared <u>Charles E.</u> norne who being by me first duly swom on oath, deposes and
says:	
1.	That nelshe is the fee-simple owner of the property legally described on this application.
2.	That he/she desires a Mining Site Plan to accomplish the above desired request, as stated on page one of this Application.
3.	That he/she has appointed
STATE OF FICOUNTY OF The foregoing 20 o (, by has produced take an oath.	instrument was acknowledged before me this 315 day of July Charles Er frautfloorus Who is personally known to me on who
	Print or type Notary Name Commission (serial) Number

NOTE: The Owner is also required to complete the Applicant's Affidavit of this Application if no agent is appointed to act in his stead.

My Commission Expires:

APPLICANT'S AFFIDAVIT

STATE	OF FLORIDA)
COUN	TY OF LAKE)
	BEFORE ME, the undersigned authority personally appeared <u>Charles E. Hawthorne</u> who being first duly swom on oath deposes
and sa	ys:
(1)	That he/she Affirms and Certifies that he/she understands and will comply with all Ordinances, Regulations, and Provisions of Lake County, and that all statements and diagrams submitted herewith and attached hereto, are true and accurate to the best of his/her knowledge and belief, and further, that this application and attachments shall become part of the Official Records of Lake County, Florida and are not RETURNABLE.
(2)	That he/she desires a Mining Site Plan to accomplish the above, as stated on Page One.
(3)	That the submittal requirements for this Application, which are attached hereto, have been completed and attached hereto as part of this Application.
	Applicant's Signature
The for	TY OF LAKE regoing instrument was acknowledged before me this 315 day of July by belos Effective Who is personally known to me or who educed as identification and who did or did not
take ar	(SEAL) NOTARY PUBLIC, (Signature) TRRU BAKORZ Print or type Notary Name Commission (serial) Number MY COMMISSION # COBBBBB EXPRES November 16, 2003

DESCRIPTION:

THAT PORTION OF SECTIONS 22 AND 27, TOWNSHIP 24 SOUTH, RANGE 26 EAST, DESCRIBED AS FOLLOWS: COMMENCE AT THE SOUTHWEST CORNER OF SAID SECTION 22; THENCE NORTH 00'38'35" WEST ALONG THE WEST BOUNDARY OF SAID SECTION 22, A DISTANCE OF 66.46 FEET; THENCE NORTH 89'40'19" EAST, 154.64 FEET TO A FOUND CONCRETE MONUMENT; THENCE CONTINUE NORTH 89'40'19" EAST, 39.03 FEET TO THE EASTERLY RIGHT OF WAY OF BOGGY MARSH ROAD AND THE POINT OF BEGINNING; THENCE CONTINUE NORTH 89'40'19" EAST, 1870.74 FEET TO A FOUND CONCRETE MONUMENT; THENCE SOUTH 00'20'35" EAST, 1340.00 FEET TO A CONCRETE MONUMENT MARKED R.L.S. 2142; THENCE NORTH 89'50'55" EAST, 341.08 FEET TO A CONCRETE MONUMENT MARKED 2142; THENCE SOUTH 00'36'30" EAST, 15.65 FEET TO A CONCRETE MONUMENT MARKED R.L.S. 2142 ON THE NORTH BOUNDARY OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF THE NORTH BOUNDARY OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF THE NORTH BOUNDARY OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4; THENCE NORTH 88'55'56" EAST ALONG THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4; THENCE SOUTH 03'05'34" EAST, 605.02 FEET TO THE NORTH RIGHT OF WAY LINE OF COUNTY ROAD NO. 474; THENCE SOUTH 88'55'19" WEST ALONG THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF THE NORTH 10'04'41" WEST, 100.00 FEET; THENCE SOUTH 88'55'19" WEST ALONG THE SAID RIGHT OF WAY LINE 33.83 FEET; THENCE NORTH 0'04'41" WEST, 100.00 FEET; THENCE SOUTH 88'55'19" WEST ALONG THE SAID RIGHT OF WAY LINE OF COUNTY ROAD NO. 474; THENCE SOUTH 88'55'19" WEST ALONG THE SAID RIGHT OF WAY LINE OF COUNTY ROAD NO. 474; THENCE SOUTH BOUNDARY, 606.14 FEET TO THE WEST, 50.00 FEET; THENCE SOUTH 88'55'19" WEST ALONG THE SAID RIGHT OF WAY LINE OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4

Wednesday, July 25, 2001

Property Records Search Results

Alternate Key: 1031699

HAWTHORNE PROPERTIES LTD

3808 DOUNE WAY CLERMONT, FL34711 Parcel: 27-24-26-000200000800 Alt Key: 1031699 Mill Grp: 0005

Loc Notes: 15441 COUNTY ROAD 474

Legal Description:

BEG AT NW COR OF SEC RUN E 2045 FT, S 1300 FT, E 341 FT, S 17 FT, E 209 FT, S 1DEG 53MIN 20SEC E 662.02 FT, W 1956 FT, N 660 FT, N 45DEG W TO PT S OF POB, N TO POB--LESS & LYING W'LY OF E'LY LINE OF SOUTH BOGGY MARSH RD IN W 1/2 OF NW 1/4 OF NW 1/4 & LESS FROM NE COR OF SEC RUN S 1929.98 FT TO N'LY R/W LINE OF CO RD 474, W ALONG SAID N'LY R/W LINE 3736.97 FT FOR POB, CONT W 660 FT, N 1122.08 FT, N 88DEG 55MIN 19SEC E 660 FT, S 1122.08 FT TO POB--ORB 1186 PG 890

Land Data

						Totals:	0	287302
3	9900	0	0		3.5	AC	0	14000
2	9600	0	0		6.7	AC	0	302
1	9900	0	0 -	1	54.6	AC	0	273000
Line	Use	Front	Depth	Notes	# Unit	Туре	Class Value	Just Value

Building Characteristics

Section Type Section Number Ext Wall Type Number of Stories Floor Area

Sales History

O.R. Book	O.R. Page	Sale Date	Instrument	Qualified/Unqualified	Vac Impr	Sale Price
0930	1796	07/01/1987	WD	M	V	340000
1186	0890	07/01/1992	СТ	U	V	0

Total Just Value Total Exempt Value Total Taxable Value

287302

287302

^{*} May Reflect Save-Our-Homes Limitations





The site designed and hosted by Weisco Computers Inc. Problems with this site? E-mail the Webmaster. ©Copyright 1999 Lake County Property Appraiser. All rights reserved.

Wednesday, July 25, 2001

Property Records Search Results

Alternate Key: 3277970 **BISHOP AND BUTTERY INC**

Parcel: 27-24-26-000200002100 Alt Key: 3277970 Mill Grp: 0005

Loc Notes:

6239 EDGEWATER DR #D-1 ORLANDO, FL32810

Legal Description:

FROM NE COR OF SEC RUN S 1929.98 FT TO N'LY R/W LINE OF CO RD 474, W ALONG SAID N'LY R/W LINE 3736.97 FT FOR POB, CONT W 660 FT, N 1122.08 FT, N 88DEG 55MIN 19SEC E 660 FT, S 1122.08 FT TO POB ORB 1900 PG 694

Land Data

						Totals:	0	138720
1	9900	0	0		17	AC	. 0	138720
Line	Use	Front	Depth	Notes	# Unit	Туре	Class Value	Just Value

Building Characteristics

Section Type Section Number Ext Wall Type Number of Stories Floor Area

Sales History

O.R. Book	O.R. Page	Sale Date	Instrument	Qualified/Unqualified	Vac Impr	Sale Price
1066	2174	07/01/1990	WD	Q	V	91400
1069	2301	07/01/1990	WD	U	V	0
1377	1180	07/01/1995	WD	U	٧	0
1643	1844	08/20/1998	PR	U	V	0
1900	0690	01/12/2001	WD	U	V	0
1900	0694	01/12/2001	WD	Q	V	147500

Total Just Value Total Exempt Value Total Taxable Value

138720

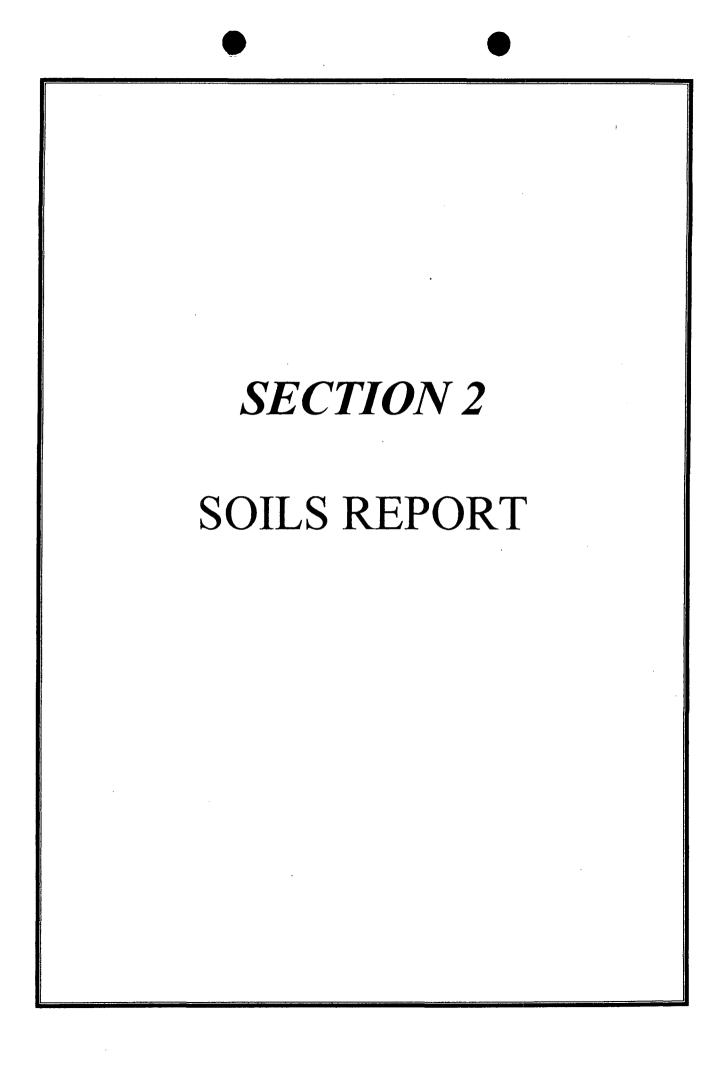
138720

^{*} May Reflect Save-Our-Homes Limitations





The site designed and hosted by Weisco Computers Inc. Problems with this site? E-mail the Webmaster. ©Copyright 1999 Lake County Property Appraiser. All rights reserved.





Environmental Sciences · Construction Materials Testing

December 14, 1995

Offices In:

- Orlando
- · Gainesville
- Fort Myers
- · Merritt Island
- St. Augustine Daytona Beach
- West Palm Beach

Bishop and Buttrey, Inc. 6239 Edgewater Drive, Suite D1 Orlando, Florida 32810

Attention:

Mr. John Buttrey

Reference:

Groundwater Evaluation

Pot of Gold Development (Hawthorn Borrow Pit No. 26)

Lake County, Florida Project No. 17862-018-04 Report No. 95-1256E

Dear Mr. Buttrey:

We understand that you have applied for a Lake County mining permit for this project. One of the requirements for mining permits in this area is to demonstrate that the mining operation will have no impact on the surrounding groundwater conditions. Specifically for this project, there was the question as to whether or not stormwater that may perch above the near surface clay layer would no longer flow into the adjacent Green Swamp after the clay was excavated.

Our field exploration consisted of installing four temporary piezometers in order to measure the stabilized groundwater levels. Survey information provided by Altamonte Surveying indicated that the groundwater levels ranged from elevation 119 to 120.5 at our piezometer locations. By deriving groundwater contours, it is evident that the predominant groundwater flow at this is from west to east towards the Boggy Marsh which is part of the Green Swamp. The water level within the Boggy Marsh was measured at elevation 117.8 on the same day. There appears to be a peak in the groundwater regime within the central portion of the site so that the northeastern portion of the site drains toward the swamp to the northeast of the project. Therefore, when the near surface clay layer is removed from the site, stormwater will infiltrate to the natural groundwater table and flow into the Boggy Marsh, thus having no impact on the Green Swamp. The derived groundwater contours are presented on the attached groundwater contour map.

We anticipate that during the wet season, the groundwater levels will rise on the order of 2- to 3feet above the existing levels measured at our piezometer locations. This will still be well below the bottom of the excavation.

Additionally, we performed one soil boring advanced to a depth of 150-feet in order to evaluate the depth to the confining layer and limestone layer. After completing this boring, the borehole was backfilled with cement grout. Detailed descriptions of the soil encountered are presented in the attached boring log.

Bishop and Buttrey, Inc.

Attention:

Mr. John Buttrey

Reference:

Groundwater Evaluation

Pot of Gold Development (Hawthorn Borrow Pit No. 26)

Lake County, Florida Project No. 17862-018-04 Report No. 95-1256E

December 14, 1995

Page No. 2

We appreciate the opportunity to have worked with you on this project and look forward to a continued association. If you should have any questions, or if you need further assistance, or discussion of your development options for this project, please do not hesitate to call.

Respectfully submitted,

UNIVERSAL ENGINEERING SCIENCES, INC.

Mark C. Israel, P.E.

Project Manager

Bruce H. Woloshin, P.E.

P.E. No. 36734

Manager - Geotechnical Engineering



Environmental Sciences · Construction Materials Testing

Offices In:

- Orlando
- Gainesville
- · Fort Myers
- Merritt Island
- St. Augustine
- Daytona Beach
 West Palm Beach

December 22, 1995

Bishop and Buttrey, Inc. 6239 Edgewater Drive, Suite D1 Orlando, Florida 32810

Attention:

Mr. John Buttrey

Reference:

Geotechnical Exploration

Pot of Gold Development (Hawthorn Borrow Pit No. 26)

Lake County, Florida Project No. 17862-018-01

Dear Mr. Buttrey:

At your request Universal Engineering Sciences has performed a deep soil boring (through the confining layer and into the limstone) at a location selected by Ms. Rebecca Jetton. The boring log and boring location plan are included with this letter.

We appreciate the opportunity to have worked with you on this project and look forward to a continued association. If you should have any questions, or if you need further assistance, or discussion of your development options for this project, please do not hesitate to call.

Respectfully submitted,

UNIVERSAL ENGINEERING SCIENCES, INC.

Mark C. Israel, P.E.

Senior Project Engineer



PROJECT NO .: 17862-018-03

REPORT NO.:

PAGE:

A-2.1

PROJECT:

POT O' GOLD

BORING DESIGNATION:

G.S. ELEVATION (ft): 149.0

B-1A

SHEET: 1 of 3

SECTION: 27

TOWNSHIP: 24

RANGE: 26

CLIENT:

LAKE COUNTY, FLORIDA BISHOP & BUTTREY, INC.

DATE STARTED:

11/13/95

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft):

DATE FINISHED:

11/14/95

REMARKS:

DATE OF READING:

DRILLED BY:

UES - ORLANDO

EST. S.H.W.T. (ft):

	SAMP	BLOWS PER 6*	N (BLOWS/	w.t.	S Y M B	DESCRIPTION	-200	MC (%)	ATTERBERG LIMITS		К (FT./	ORG.
(FT.)	E	INCREMENT			ί		(%)	(%)	LL	PI	DAY)	(%)
0 —						Very loose brown fine SAND [A-3]	·					
		2-1-2 2-1-2	3 3			light gray-brown loose						
5 —	Ž	9-10-15	8 25			Medium dense orange & brown clayey SAND [A-2, A-6]						
10-	X	9-11-16 15-15-20	27 35			dense						
10	X	4-14-21	35									
- - - - - -	X	5-10-11	21			Dense light gray fine SAND [A-3] medium dense						
20		5-10-11										
25	XI.	9-10-14	24									
30	X	10-20-25	45			dense						,
35	X	8-9-11	20			medium dense						
40	X	10-14-17	31			dense						
1												
45	7	9-13-20	33									
50	\$	7-22-29	51			Very dense light gray to white fine SAND with silt [A-3, A-2]						
55		9-17-22	39	-		dense						



RE

17862-018-03

REPORT NO.:

PROJECT NO.:

A-2.2

PROJECT:

POT O' GOLD

BORING DESIGNATION: SECTION: 27

B-1A TOWNSHIP: 24

PAGE:

SHEET: 2 of 3

RANGE: 26

LAKE COUNTY, FLORIDA

DEPTH (FT.)	S A M P	BLOWS PER 6"	N (BLOWS/	w.t.	S Y M B	DESCRIPTION	-200 (%)	MC (%)		RBERG	K (FT./	ORG. CONT.
(61.)	i E	INCREMENT	FT.)		Ö		1,701		LL	PI	DAY)	(%)
55 —	\mathbb{H}				, , , ,			,				
-	1											
-	\forall	10-14-21	35			Dense light gray to white silty fine SAND [A-2]						
60 —	n	10-14-21										
-	1					medium dense						
65 —	\boxtimes	7-14-16	30			medium dense						
-	1											
-												
70 —	X	2-5-6	11					·····				
_	1								Ì			
-	M	6-7-9	16		Щ	Medium dense orange fine SAND [A-3]						
75 — -												
-						light yellowish gray-brown			İ	Ì	İ	
80	凶	3-5-12	17									
" -]						İ					
-	Ц					loose	}					
85 —	M	3-4-3	7									
-												
-	M	1-1-3	4			very loose						
90 —		1-1-0								······		
_												ŀ
95 —	X	1-1-1	2			Very loose gray-green clayey SAND [A-2, A-6]						
35 -												
				į		light orange						
100 —	X	0-0-1	1			light orange						
] -												İ
	H	0.00				loose						
105 —	M	2-3-3	6			- loose						
-												
	X	4-10-17	27			Medium dense dark green silty SAND [A-2]						
110 —	H			······································								



PROJECT NO.: 17862-018-03
REPORT NO.:

EPORT NO..

PAGE:

A-2.3

PROJECT:

POT O' GOLD

BORING DESIGNATION: SECTION: 27

B-1A TOWNSHIP: 24 SHEET: 3 of 3 RANGE: 26

LAKE COUNTY, FLORIDA

	DEPTH (FT.)	S A M P	BLOWS PER 6"	N (BLOWS/	w.t.		DESCRIPTION	-200 (%)	MC (%)		RBERG MITS	K (FT./	ORG.
L		E.	INCREMENT	FT.)		O L		1.07	'''	LL	PI	DAY)	(%)
	110-					11.			 	ļ	-		
	-					:							
	-	X	6-8-12	20			Medium dense light brown to tan SAND & highly decomposed LIMESILT	Ī.					
1	115 — -											***************************************	
	_						very dense					i !	
	120 —	X	39-23-34	57									••••
	-												
	-	X	14-21-100	100/147									
	125 —	H	14-21-100	1.00/14									
	-				Ì								
	130	X	35-100	100/8*	[
	-				ļ				,				
	-	H	05 55 04		ļ								i
	135 -	H	65-55-31	86						ļ			
			·		ŀ		and the state of						
	140 —	X	3-10-13	23	Ī		medium dense						
					E								
1	_												
	145	4	9-12-12	24									
	7				ŀ	$ \cdot $							
	- 7	X	100	100/4"	ŀ		Light brown to tan fragmented LIMESTONE						j
	150				Ī		BORING TERMINATED AT 150.0						
	1												
	155												
	=												
	_												
	160												
	-												
2	105												
iL.	165												



PROJECT NO.: 17862-018-03

REPORT NO.: 54355

PAGE:

A-2.1

PROJECT:

POT O' GOLD

BORING DESIGNATION:

SECTION: 27

B-1
TOWNSHIP: 24

SHEET: 1 of 1

RANGE: 26

CLIENT:

LAKE COUNTY, FLORIDA

G.S. ELEVATION (ft): 150.0

DATE STARTED:

9/9/95

LOCATION:

BISHOP & BUTTREY, INC.

WATER TABLE (ft): N.

DATE FINISHED:

9/9/95

REMARKS:

SEE BORING LOCATION PLAN

DATE OF READING: 9/9/95

DRILLED BY:

UES - ORLANDO

J. \

GROUND SURFACE ELEVATION IS APPROXIMATE. STABILIZED

GROUNDWATER TABLE NOT ENCOUNTERED.

EST. W.S.W.T. (ft):

DEPTH	S A M	BLOWS PER 6"	N (BLOWS/	w.t.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	_ATTE	RBERG MITS	K (FT./	ORG CONT.
(FT.)	Ĺ	INCREMENT			Γ O		-	(707	LL	PI	DAY)	(%)
0-					. , _ ,	CAMP (A.2)						
	\downarrow					Medium dense brown SAND [A-3]						
	$\frac{1}{4}$	7-7-8	15									
	X	3-3-2	5			Loose light brown SAND [A-3]	1					
5 -		2-3-2	5						ļ			
	$-\nabla$					· - t		•				
	\forall	2-3-2	5									
	1	2-3-3	6						l			
10-	X	3-4-3	7			CASS are greated and CLAV with good				ļ		
	4					Stiff gray, purple & red CLAY with sand [A-7]						
	-											
ĺ												
15-	Ж	4-7-7	14									
	$\left. \left \right. \right $											
	┨ ┃											
	\mathbb{H}					very stiff						
20 –	M	7-11-18	29									·····
	4											
	-											
						Very dense light gray SAND with clay [A-2]						
25 –	X	21-37-40	77								3.1	
	-										į	
	$+ \mid$											
•						dense						
30 –	X	21-21-21	42					·····				
	-											
	$\dashv \mid$	-										
	$\downarrow \downarrow$											
35 –	\mathbb{X}	11-21-20	41		· : · : ·							
) ·	4					BORING TERMINATED AT 35.0'						
						÷	}					
	+ $ $:								.		
40	7											
40 –												



PROJECT NO .: 17862-018-03

REPORT NO .: 54355

PAGE:

A-2.2

PROJECT:

POT O' GOLD

BORING DESIGNATION: SECTION: 27

B-2 TOWNSHIP: 24 SHEET: 1 of 1

RANGE: 26

CLIENT:

LAKE COUNTY, FLORIDA

BISHOP & BUTTREY, INC.

G.S. ELEVATION (ft): 149.0

DATE STARTED:

9/9/95

LOCATION:

WATER TABLE (ft): N.E.

DATE FINISHED:

9/9/95

REMARKS:

SEE BORING LOCATION PLAN

DATE OF READING: 9/9/95

DRILLED BY:

UES - ORLANDO

GROUND SURFACE ELEVATION IS APPROXIMATE. STABILIZED

GROUNDWATER TABLE NOT ENCOUNTERED.

EST. W.S.W.T. (ft):

		S A M P	BLOWS PER 6"	N (BLOWS/	w.t.	S Y M 8	DESCRIPTION	-200 (%)	MC (%)		RBERG MITS	K {FT./	ORG CONT.
	(FT.)	F	INCREMENT			οι		-	1,707	LL	PI	DAY)	(%)
	0 —						Loose light gray-brown SAND [A-3]						
	-	X	4-4-4 2-2-2	8			very loose						
	- 5 —	M	1-2-2	4	·	· · · · · ·							
	_	M	3-6-6	. 12			medium dense:						
	-	M	3-4-5	9		::::: ::::::::::::::::::::::::::::::::	loose Stiff light gray-green sandy CLAY [A-7]		:				
	-	M	8-7-8	15			Medium dense light brown fine SAND [A-3]						
]	10 —			,		 /////	Stiff purple & gray CLAY [A-7]		in the second se			·	
	1												
		X	4-4-5	. 9									
	15 —												
						////// ::::	Medium dense light gray to orange-brown SAND [A-3]						
	-	X	5-11-9	20									
	20 —	M											
ļ	-											,	,
	-	A	0.10.12	25								1.3	
	25 —		8-12-13										
	4												
	1	M				· · · · · · · ·							
	30 —	A	8-10-11	21									
7	1												
	_	H											
	35	Д	12-14-15	29		· ; · ;	BORING TERMINATED AT 35.0'						
	4												
	40												
L		Ш								1			



17862-018-03 PROJECT NO .:

REPORT NO .: 54355

PAGE: A-2.3

PROJECT:

POT O' GOLD

BORING DESIGNATION:

B-3 TOWNSHIP: 24

N.E.

SHEET: 1 of 1

RANGE: 26

LAKE COUNTY, FLORIDA

G.S. ELEVATION (ft): 145.0

DATE STARTED:

9/9/95

CLIENT: LOCATION: BISHOP & BUTTREY, INC.

WATER TABLE (ft):

SECTION: 27

DATE FINISHED:

9/9/95

REMARKS:

SEE BORING LOCATION PLAN

DATE OF READING: 9/9/95

DRILLED BY:

UES - ORLANDO

GROUNDWATER TABLE NOT ENCOUNTERED.

GROUND SURFACE ELEVATION IS APPROXIMATE. STABILIZED

EST. W.S.W.T. (ft):

DEPTH (FT.)	S A M P	BLOWS PER 6"	N (BLOWS/	w.t.	S Y M B	DESCRIPTION	-200 (%)	MC (%)		RBERG MITS	K (FT./	ORG CONT.
""	L E	INCREMENT	FT.)		0 L	·	-	(707	LL	PI	DAY	(%)
0-	П				, , ,	Very loose orange-brown SAND [A-3]						
)]	\square					Very loose drange-brown SAND [A-5]						
-	X	2-1-2	3									
-	X	1-2-2	4	·		Medium dense orange-brown silty & clayey SAND [A-2]	1					
5 —	X	···8-1·1-1·4····	25			Very stiff to hard gray, purple & red sandy CLAY [A-7]	ļ		1			
-	X	10-14-18	32			CLAY [A-7]						
] -	Д	13-17-19	36									
10	XI	12-17-20	37									
10												
-												
-	ᅵ				• • •	Dense light gray SAND [A-3]						
15	Δ,	17-20-25	45									
-												
-												
<u> </u>	\forall			ļ								
20 —	4	15-21-26	47								10.0	
4				ŀ								
]						,			
<u> </u>	\forall			ŀ								
25 —	4.	15-27-22	49					***************************************				
[-	1											
				ŀ								
1.	\forall	Ì	ļ	F		very dense						
30 —	4.	14-30-30	60			BORING TERMINATED AT 30.0'						
						,		;				
35 —												
						÷					Ì	
										ľ		
40												



17862-018-03 PROJECT NO .:

54355 REPORT NO .:

PAGE:

A-2.4

PROJECT:

POT O' GOLD

BORING DESIGNATION: SECTION: 27

B-4

SHEET: 1 of 1

TOWNSHIP: 24

RANGE: 26

CLIENT:

LAKE COUNTY, FLORIDA BISHOP & BUTTREY, INC.

G.S. ELEVATION (ft): 131.0

DATE STARTED:

9/9/95

LOCATION:

SEE BORING LOCATION PLAN

WATER TABLE (ft):

DATE FINISHED:

9/9/95

REMARKS:

GROUND SURFACE ELEVATION IS APPROXIMATE

DATE OF READING: 9/9/95

DRILLED BY:

UES - ORLANDO

EST. W.S.W.T. (ft):

DEPTH	S A M	BLOWS PER 6"	N (BLOWS/	w T	S Y M	DESCRIPTION	-200	MC (%)	ATTE	RBERG 11TS	G: ASTM K (FT./	ORG CONT.
(FT.)	L E	INCREMENT		,	8 0 L	•	(%)	(70)	LL	PI	DAY)	(%)
0-					, , , ,	Loose brown SAND [A-3]						
-	\bigcup					Foose plowing YMP [V-2]						
-	Ň	3-2-3	5									
]	X	2-2-2	4									
5	X	4-4-4	8			Loose.orange-brown.dayey.SAND.[A-2/A-6] :	· · · · · · · · · · · · · · · · · · ·					
]	X	5-9-11	20			Very stiff orange, gray and purple sandy CLAY [A-7]						
_	M	10-12-18	30			Very stiff red, brown and purple CLAY [A-7]						
-	M	25-18-20	38		· · · ·	Dense orange-brown SAND [A-3]						
10 -						BORING TERMINATED AT 10.0'						
-	$\ \ $											
-	1											
15]										••••	
-	┨╽											
-	1											
20 —	 											
<u> </u>]									:	;* '	
-						·						
-	$\ \ $											
25 —	["]	•••••										
-												
-	$\ \ $											•
30								! !				
-	$\ \ $											
-											ļ	
-	1											
35 —												
-												
-												
40 —	 											



PROJECT NO .:

17862-018-03

REPORT NO .:

54355

PAGE:

A-2.5

PROJECT:

POT O' GOLD

BORING DESIGNATION:

B-5 TOWNSHIP: 24

9/9/95

SHEET: 1 of 1 RANGE: 26

LAKE COUNTY, FLORIDA

G.S. ELEVATION (ft): 148.0

SECTION: 27

DATE STARTED:

9/9/95

CLIENT: LOCATION: BISHOP & BUTTREY, INC.

WATER TABLE (ft):

DATE FINISHED:

9/9/95

SEE BORING LOCATION PLAN

DATE OF READING:

DRILLED BY:

UES - ORLANDO

REMARKS:

GROUND SURFACE ELEVATION IS APPROXIMATE. STABILIZED

GROUNDWATER TABLE NOT ENCOUNTERED.

EST. W.S.W.T. (ft):

DEP	тн	S A M	BLOWS PER 6"	N (BLOWS/	w.t.	S Y M B	DESCRIPTION	-200 (%)	MC (%)		RBERG	K (FT./	ORG CONT.
(F)	'''	P L E	INCREMENT	FT.)		, O		-		LL	PI	DAY)	(%)
	0	7					Very loose orange-brown SAND [A-3]						
	+	\forall	2-2-1	3			j						
	-	7	2-2-2	4									
	5 —	X	4-10-12	22			Stiff.to.very.stiff.red-brown.sandy.CLAY						
	1	A	11-11-11	22			2.						•
	1	X	11-16-16	32									
1	0-1	X.	11-15-15	30			Hard purple CLAY [A-7]						
	}												
	-						Very dense light brown SAND [A-3]						
] 1	5 +	4	21-30-50	80									
	+												
	-				:		dense						
2	<u>,</u>	ᡌ.	12-16-16	32									
	+												
7	1												
2	5	ᡌ.	14-18-18	36								6.0	
Ī -					(
	1								=				·
I .	<u>.</u>		17-25-32	57			dense						
3		1					BORING TERMINATED AT 30.0'						
I	1												
	+							ļ					
3	5 —	+											
	4						;	!					
	1												
4	0												



PROJECT NO.: 17862-018-03

REPORT NO.: 54355

PAGE:

A-2.6

PROJECT:

CLIENT:

POT O' GOLD

BORING DESIGNATION:

SECTION: 27

B-6 TOWNSHIP: 24 SHEET: 1 of 1 RANGE: 26

LAKE COUNTY, FLORIDA

BISHOP & BUTTREY, INC.

G.S. ELEVATION (ft): 135.0

DATE STARTED:

9/9/95

LOCATION: S

SEE BORING LOCATION PLAN

GROUNDWATER TABLE NOT ENCOUNTERED.

WATER TABLE (ft): N.E.

DATE FINISHED:

9/9/95

REMARKS: GROUND SURFACE

GROUND SURFACE ELEVATION IS APPROXIMATE. STABILIZED

DATE OF READING: 9/9/95

DRILLED BY: UES - ORLANDO

EST. W.S.W.T. (ft):

DEPTH	S A M	BLOWS PER 6"	" (BLOWS/ W.T. B DESCRIP		DESCRIPTION	PTION (%)	MC	_ATTERBERG LIMITS		K (FT./	ORG CONT.	
(FT.)	F	INCREMENT	FT.)		0 L		- (%)	(%)	ιι	PI	DAY)	(%)
0-		•			7.7.7	Loose orange, brown and gray clayey SAND		<u> </u>				
•	\forall		_			[A-2/A-6]						
	\overrightarrow{A}	2-2-3	5									
٠.	\forall	2-2-4	6			medium dense						
5-	\overline{A}	4-4-7	11			Very stiff to hard orange, brown and gray sandy CLAY [A-7]	-					!
	\forall	7-10-13	23			sandy CLAY [A-7]						
	\forall	12-24-24	48 55			Very dense light orange SAND [A-3]					11.0	
10-	f	20-25-30	- 55		······································							
-	$\left \cdot \right $					medium dense						
	$\downarrow \downarrow$: : : :		}					
. ´ 15 –	Å	8-8-8	16			BORING TERMINATED AT 15.0'						••••••
-	-											
20 -]											
	$\ \cdot \ $											
]											
-	-											
25 —	<u> </u>							•••••				
	4											
												•
30 –								······································				
	1											
_	$\mid \mid$											
35 —	<u> </u>		-									
35-												
						÷						
]											
40 —												



PROJECT NO .: 17862-018-03

REPORT NO .: 54355

PAGE:

A-2.7

PROJECT:

POT O' GOLD

BORING DESIGNATION: SECTION: 27

B-7 TOWNSHIP: 24 SHEET: 1 of 1

RANGE: 26

CLIENT:

LAKE COUNTY, FLORIDA

BISHOP & BUTTREY, INC.

G.S. ELEVATION (ft): 130.0

DATE STARTED:

9/9/95

OCATION:

SEE BORING LOCATION PLAN

WATER TABLE (ft):

DATE FINISHED:

9/9/95

DATE OF READING: 9/9/95 DRILLED BY:

UES - ORLANDO

GROUND SURFACE ELEVATION IS APPROXIMATE. STABILIZED GROUNDWATER TABLE NOT ENCOUNTERED.

EST. W.S.W.T. (ft):

DEPTH	H M BLOWS PER 6"		N (BLOWS/	w.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTE	RBERG MITS	K (FT./	ORG CONT.
(FT.)	P L E	INCREMENT	FT.)		ŏ		-	1 1701	LL	Pi	DAY)	(%)
0-					, , ,							
_ ٽ	Ц					Very loose to loose light brown SAND [A-3]						
_	X	2-1-2	3									ļ
_	M	2-2-4	6				ļ ·	1			<u> </u> 	
' <u>-</u>	M					Stiff to very stiff orange sandy CLAY [A-7]						
5 —	()	9-12-10	22			Medium dense orange, yellow and gray clayey SAND [A-2/A-6]	Ī					
	Д	14-11-12	23			dayey onto [A ZIA e]						
	X	7-10-10	20									
-	M	14-12-10	22			Very stiff orange sandy CLAY [A-7]	1					
10 —		14-12-10			11111	BORING TERMINATED AT 10.0'						
1												
15 —												
-												
		i										
=	1	İ										
20 —												
20 -	İ											
_					1							
				ĺ								
1												
25 —												
1												
				ĺ	ł							
	ł			İ	į							
30 —												
-	- }				İ							
4												
-												
ا روا											,,,,,,,,,,,,	
35 —	···†											
						÷						
, -					1							
40].											



KEY TO BORING LOGS

SYMBOLS Number of Blows of a 140-lb Weight 22 Falling 30 In. Required to Drive Standard Spoon One Foot WOR Weight of Drill Rods Thin-Wall Shelby Tube Undisturbed <u>s_</u> Sampler Used Percent Core Recovery from Rock 90% Core-Drilling Operations Rec. Sample Taken at this Level Sample Not Taken at this Level Change in Soil Strata Free Ground Water Level Seasonal High Ground Water Level

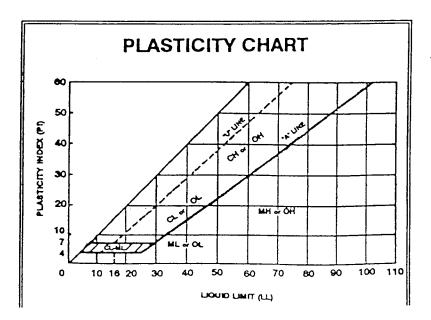
RELATIVE DENSITY (sand-silt)

Very Loose - Less Than 4 Blows/Ft.
Loose - 4 - 10 Blows/Ft.
Medium - 10 to 30 Blows/Ft.
Dense - 30 to 50 Blows/Ft.
Very Dense - More Than 50 Blows/Ft.

CONSISTENCY (clay)

Very Soft - Less Than 2 Blows/Ft.
Soft - 2 to 4 Blows/Ft.
Medium - 4 to 8 Blows/Ft.
Stiff - 8 to 15 Blows/Ft.
Very Stiff - 15 to 30 Blows/Ft.
Hard - More Than 30 Blows/Ft.

	UNiF	IED C	LASSIFIC	ATION SYSTEM
	AAJOR DIVISI	ons	GROUP SYMBOLS	TYPICAL NAMES
	\$ 5 m	AN	GW	Well-graded gravels and gravel-sand mixtures, little or no fines
COARSE-GRAINED SOILS More than 50% retained on No. 200 sleve	GRAVELS 50% or more of coerse fraction retained on No. 4 sleve	CLEAN	GP	Poorly graded gravels and gravel-sand mixtures, little or no lines
\ <u>8</u> 8 8 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 2 2 2	H H S	GM	Sitty gravels, gravel-sand-sitt mixtures
MAINED	200	GRAVELB WTH FINES	GC	Clayey gravels, gravel-sand-day mixtures
COARSE-GRAINED SOILS in 50% retained on No. 20	75 g g	CLEAN	sw	Well-graded sands and gravelly sands, little or no fines
CO A	SANDS More than 50% of coarse fraction ceases No. 4 sieve	3 ₹	SP	Poorty graded sands and gravelty sands, little or no fines
More	More to	SANOS WITH FINES	SM	Sitty sands, sand-sitt mixtures
	- a	3,8€	sc	Clayey sands, sand-clay mixtures
	8 V	_	ML .	Inorganic sitts, very fine sands, rock flour, sitty or clayey fine sands
LS 200 sleve*	SELTS AND CLAYS	80% or head	CL	inorganic days of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
ED 3O	18 LT		OL.	Organic sitts and organic sitty clays of low plasticity
FINE-CRAINED SOILS 50% or more passes No. 200 sleve*	SILTS AND CLAYS	r 80%	мн .	Inorganic slits, micaceous or diatomaceous fine sands or slits, elastic slits
9% F.	TS AND CLU	grader than 50%	СН	inorganic days or high plasticity, let days
*0		š	ОН	Organic days of medium to high plasticity
Hi	ghly Organic S	slic .	PT	Peat, muck and other highly organic soils
* Based	on the meterial			



Project: I	IATHORN BORROV	V PIT	PIT Job Number: 17862-018-03\719							
Manager:_	MI	Client: BISI	HOP AND B	UTTREY	Project Description:					
Location: _	FLA									
_	FLA									
Elevation I	Oatum <u>:</u>	(
Boring	Specimen	Water Orga	nic ASTM	K	Sieve Analysis					

Boring Depth		Specimen Description LL PL PI No 2					Water	er Organic	ASTM	K ft/day	Sieve Analysis						
Elev.	LL	<u> </u>	PL	<u> </u>	PI	No 200	Conten		CILLSS	11/day	No 4	No 10	No 40	No 60	No 100		
B-1 25.0						···				3.1							
B-2 25.0										1.3							
B-3 20.0										10.0							
B-5 25.0		·							·	6.0							
B-6 10.0				· · · · · ·						11.0							

Summary of Material Properties UNIVERSAL ENGINEERING SCIENCES, INC. ORLANDO, FLORIDA

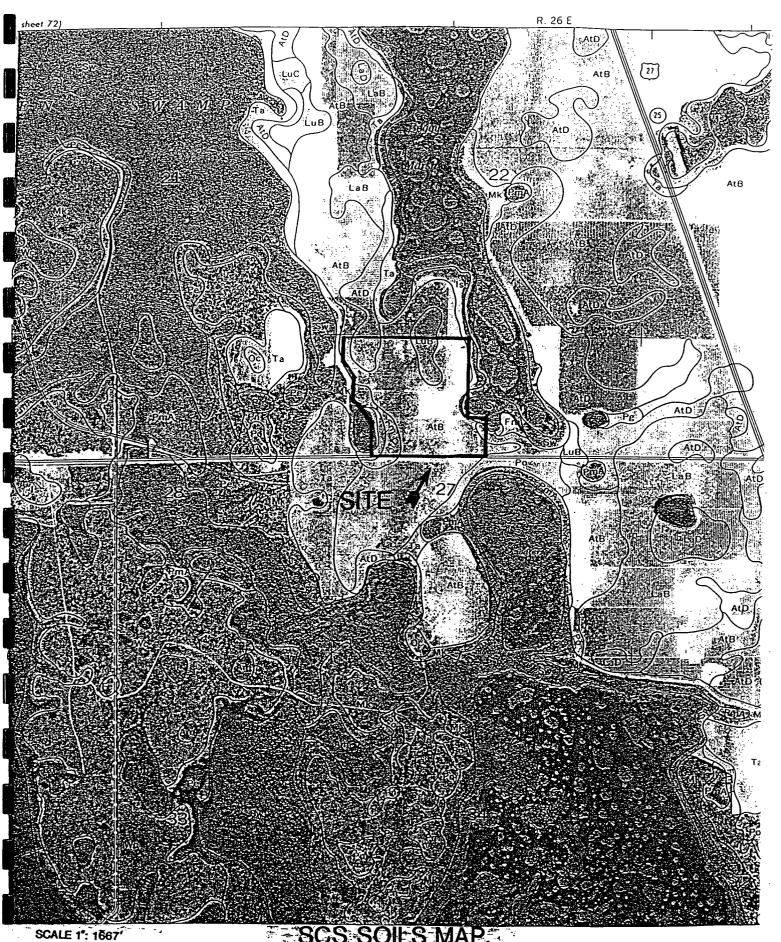


Project No. 17862-018-03 Report No. 54355

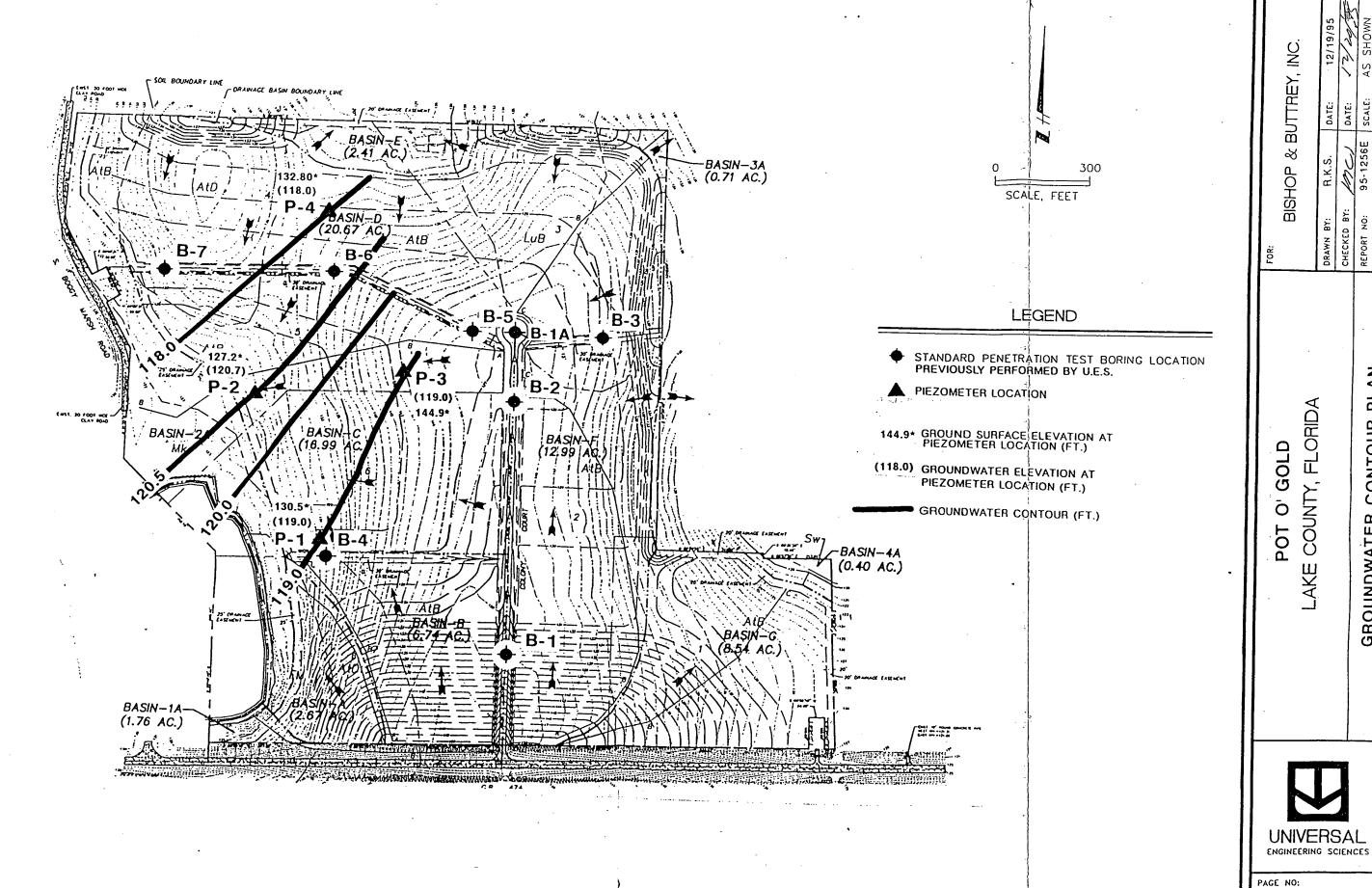
DESCRIPTION OF LABORATORY TESTING PROCEDURES

LABORATORY PERMEABILITY TEST

The laboratory permeability test is a Falling Head Test that is performed on soil samples recovered from this site. The data recovered from this test are used to calculate Darcy's Coefficient of Permeability (k) of the soil.

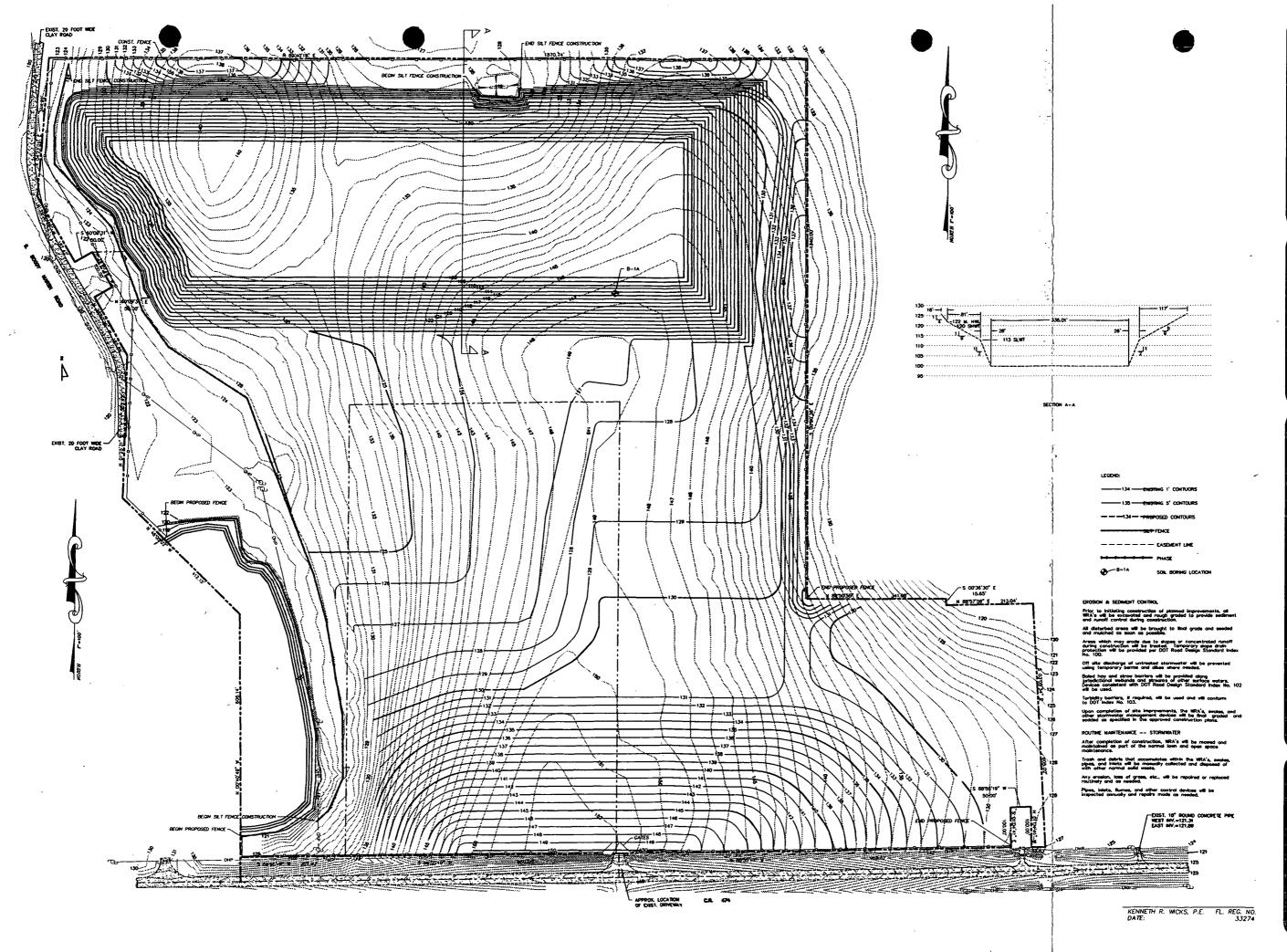


POT OF GOLD S/D
SEC 27 TWP 24S RNG 26E



COUNTY, GROUNDWATER

SECTION 3 RECREATIONAL LAKE **EXCAVATION PLAN**

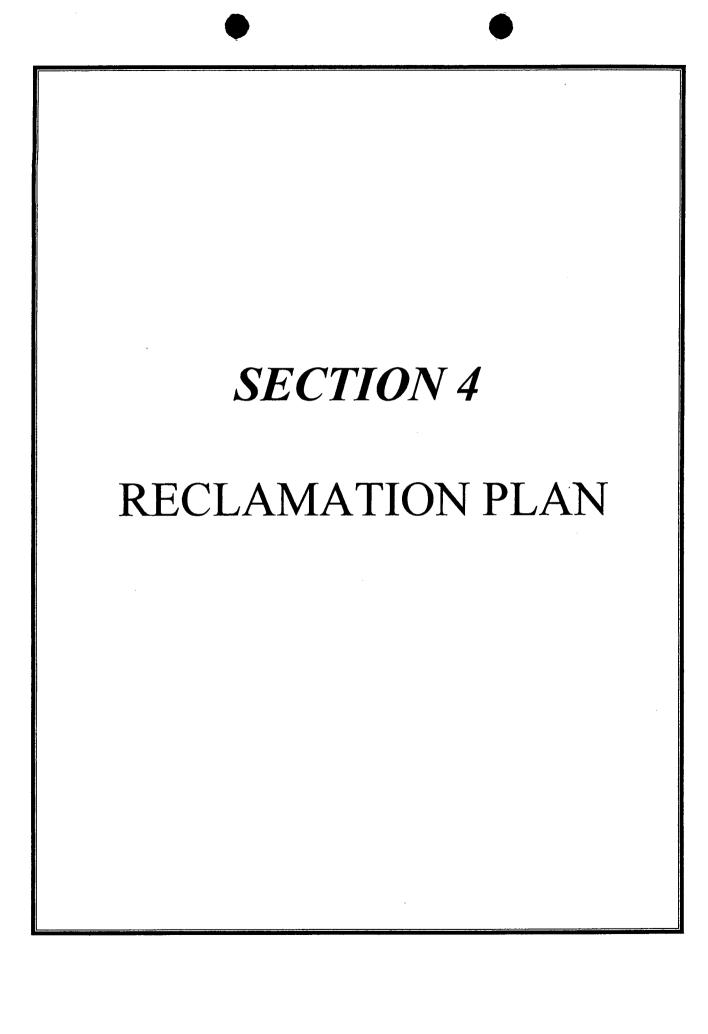


PLAN AMENDMENT 110 PROPERTIES, HAWTHORNE MINING STIE F

BUTTREY, શ્ર STIE PL BISHOP

INC.)

CONSULTING SERVICES, INC. N S



Reclamation Plan

The excavation project originally proposed to achieve reclamation via the construction of a seven (7) lot single family subdivision. The plan provided for the construction of a single roadway and stormwater management system to serve the project. The finished grading of the lots and adjacent open space areas was to be completed as the excavation was finished in each Phase.

The Mining Site Plan is proposed to be modified to allow the construction of a recreational lake as part of the project reclamation. The pond construction is detailed on the enclosed revised plan. The remaining open space will be re-graded and revegetated as described in the following sections.

Reclamation and Recontouring

Reclamation shall commence within ninety (90) days after excavation within the project area or phase is complete. Stabilization and revegetation of all disturbed areas shall be commenced within 30 days, and will be completed within 120 days, following completion of regrading within the project area or within an area where excavation is complete.

Regrading and recontouring of the excavated areas will result in 10:1 slopes as an average condition at the limits of excavation as shown on the plans. The slopes adjacent to the recreational lake will be 9:1.

The site area will be regraded to leave the soil in the best possible condition for planting. The topsoil which has been stockpiled will be placed over the disturbed area to a depth sufficient to allow re-establishment of vegetation and to promote the propagation and survival of natural species. If needed, the disturbed soil will be ripped prior to the addition of the topsoil to break up any compaction. In areas where clay or clayey sands are encountered, a minimum of 1.5 feet of clean sand or topsoil will be provided.

Revegetation of recontoured and disturbed areas shall be as described below, so as to achieve permanent vegetative cover, which will minimize soil erosion and surface water runoff. Should washouts, rills, gullies, or the like develop after revegetation has effectively occurred, such areas will be repaired and slopes stabilized by seeding and mulching with bahia grass and hay per the procedures described below.

Disturbed areas will receive native topsoil applied with incorporated native grasses from adjacent work areas. This application of topsoil to disturbed areas will allow rapid revegetation, thus impeding soil and sediment transport. These areas will also be overseeded and possibly fertilized if additional soil nutrients are necessary. The Soil Conservation Service: Technical Guide 342-1, May 1986, Critical Area Planting (Planting

Plan) will be followed. The Planting Plan is adopted as the recommended methodology for erosion control and stabilization within the project work area. Revegetation will utilize native grasses and trees as deemed appropriate for a specific area being reclaimed.

Revegetation efforts will be deemed adequate if at the end of one year an established ground cover exists over 80% of the recontoured and disturbed areas. Regular maintenance and upkeep of reclaimed areas shall be performed. All land areas, at the end of two (2) years after completion of initial reclamation, will have established ground cover over at least 95% of the reclaimed area, excluding roads, groves, and row crops.

Revegetation efforts will commence within 30 days after completion of regarding and shall be completed within 120 days.

Should any excavated and disturbed area remain inactive (no mining activity) for 24 months or more, stabilization and revegetation will be initiated immediately. All requirements as stated will apply to those areas identified as inactive.

The project plans provide for specific erosion and sediment control practices during the excavation process. The erosion control devices and other requirements will be place or implemented prior to initiating the site work. The final grading plan provides for the appropriate stormwater management facility to meet County and State requirements. The specific erosion and sediment control devices will remain in place throughout the life of the project.

Dust and fugitive particles generated by the disturbed area will be controlled by watering. Regrading, recontouring, and revegetation will be initiated within areas where excavation is completed as soon as is practical and no later than the schedule outlined above.

rhawmspreclam