P:\Projects\Projects 2000-2299\2265E (Rose Hills 2nd Addition)\Engineering Base.dwg, Soil Report (2), 5/4/2009 11:20:39 AM, eric_g

Allied Laboratories
Dept. of PEC, P.A.
350 South Washington
Wichita, Kansas 67202

EXPLORATORY BORING LOG — B-1

SIERRA HILLS 2ND ADDITION - 143RD ST. & PAWNEE ST. - WICHITA, KANSAS

PROJECT NO: **74-08042-2-3697** | BORING LOCATION: **see boring location sketch**
SCALE: 1 IN= 4 FT. | BORING DATE **7-2-08** | DRILLER **kjp** | LOGGED BY **jlv** | CHECKED BY **smh**
WATER LEVEL @ DRILL: **14.6** | 24 HOUR WATER LEVEL: **4.0** | 72 HOUR WATER LEVEL:

LOG	Elev.	MATERIAL DESCRIPTION	Sym.	No.	Type	SPT N Value	% Moist.	D. Den. (pcf)	Unconf. Comp(psf)	P Pen (tsf)	% Fines	Liquid Limit	Plastic Index
0	100	TOPSOIL: clay, dark brown, roots/organics											
	99	CLAY: brown, moist, stiff											
				1-1	G		22.5					53	34
4													
	94	SHALE: weathered. light brown to olive, moist, stiff											
				1-2	G		22.3						
8													
		... olive to brown to gray, moist, medium stiff		1-3	G		26.7						
12													
		... wet seams											
	85	End of boring at 15 feet.											
16													
20													
24													
28													

NOTE: This information only pertains to this boring at the time of drilling and may not be indicative of entire site.

Figure 3

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350 South Washington
Wichita, Kansas 67202

EXPLORATORY BORING LOG — B-2

SIERRA HILLS 2ND ADDITION - 143RD ST. & PAWNEE ST. - WICHITA, KANSAS

PROJECT NO: **74-08042-2-3697** | BORING LOCATION: **see boring location sketch**
SCALE: 1 IN= 4 FT. | BORING DATE **7/2/08** | DRILLER **kjp** | LOGGED BY **jlv** | CHECKED BY **smh**
WATER LEVEL @ DRILL: **8.0** | 24 HOUR WATER LEVEL: **6.0** | 72 HOUR WATER LEVEL:

LOG	Elev.	MATERIAL DESCRIPTION	Sym.	No.	Type	SPT N Value	% Moist.	D. Den. (pcf)	Unconf. Comp(psf)	P Pen (tsf)	% Fines	Liquid Limit	Plastic Index
0	100	TOPSOIL: clay, dark brown, roots/organics											
	99	CLAY: brown, moist, medium stiff											
				2-1	G		25.8						
4													
				2-2	G		26.3						
		... light brown, very moist		2-3	G		26.3						
8													
		... wet with scattered gravel, possible gravel seams		2-4	G		37.3				68		
12													
	87	SHALE: weathered, olive gray, very wet											
	85	End of boring at 15 feet.											
16													
20													
24													
28													

NOTE: This information only pertains to this boring at the time of drilling and may not be indicative of entire site.

Figure 4

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350 South Washington
Wichita, Kansas 67202

EXPLORATORY BORING LOG — B-3

SIERRA HILLS 2ND ADDITION - 143RD ST. & PAWNEE ST. - WICHITA, KANSAS

PROJECT NO: **74-08042-2-3697** | BORING LOCATION: **see boring location sketch**
SCALE: 1 IN= 4 FT. | BORING DATE **7/2/08** | DRILLER **kjp** | LOGGED BY **jlv** | CHECKED BY **smh**
WATER LEVEL @ DRILL: **dry** | 24 HOUR WATER LEVEL: **9.2** | 72 HOUR WATER LEVEL:

LOG	Elev.	MATERIAL DESCRIPTION	Sym.	No.	Type	SPT N Value	% Moist.	D. Den. (pcf)	Unconf. Comp(psf)	P Pen (tsf)	% Fines	Liquid Limit	Plastic Index
0	100	TOPSOIL: clay, dark brown, roots/organics											
	99	CLAY: dark brown, moist, medium stiff											
				3-1	G		28.1						
		... brown, moist											
4				3-2	G		25.4					60	40
8		... brown, very moist											
				3-3	G		26.2					53	32
12		... light brown to olive, moist, with shale partings (possibly weathered shale)											
				3-4	G		23.3						
	85	End of boring at 15 feet.											
16													
20													
24													
28													

NOTE: This information only pertains to this boring at the time of drilling and may not be indicative of entire site.

Figure 5

Allied Laboratories
350 South Washington
Wichita, Kansas

EXPLORATORY BORING LEGEND

SIERRA HILLS 2ND ADDITION - 143RD ST. & PAWNEE ST. - WICHITA, KANSAS

Symbol Description

Strata symbols

- Topsoil
- Clay: medium to high plasticity
- Shale

Misc. Symbols

- Water level during drilling
- Water level approx. 24 hours after drill

Soil Samplers

- (G) Grab sample from auger cuttings

Notes:

Exploratory borings were drilled on the dates indicated on the boring logs. Borings were drilled with a Mobile Drill B-53 rotary drill rig using 6 inch continuous flight auger and/or 3-1/4 inch ID hollow stem auger.

Groundwater encountered during drilling is presented on the boring logs. The water levels presented are for the times indicated. The water levels are approximate. Water levels can fluctuate several feet due to factors beyond the scope of this study.

Boring locations were determined by the drilling crew referencing existing site features unless denoted otherwise in the Geotechnical Report. Boring locations obtained by the drilling crew are approximate.

Ground surface elevations were determined by the drilling crew using a level survey referencing a temporary benchmark unless denoted otherwise in the Geotechnical Report. Elevations obtained by the drilling crew are approximate.

The subsurface soils presented on the boring logs are approximate. The exploratory boring logs represent general subsurface conditions based on visual observation of auger cuttings and periodic sampling. Additional drilling, sampling, Petrographic analysis and other testing may indicate other soil and bedrock types, and soil/bedrock layers may be present which could not be identified with this type of investigation.

The boring logs present sharp transitions between the various soil types. However, transitions usually occur more gradually in the field. The depths to the transitions are approximate.

The data presented on the boring logs is subject to the conclusions, recommendations and limitations discussed in the Geotechnical Report. Additional information on the subsurface soil, bedrock, groundwater and other conditions may be included in the report which are not presented on the boring logs.

Figure 6

FOR INFORMATION ONLY

Sierra Hills 2nd Addition
Soil Report
WICHITA, KANSAS

Ruggles & Bohm, P.A.
Engineering, Surveying, Land Planning
934 North Main
Wichita, Kansas 67203
www.rbkansas.com
(316) 264-6266
(316) 264-4621 fax
E-mail: info@rbkansas.com

DESIGNED EJG
DRAWN EJG
PLOTTED April 30, 2009
REVISED
DATE ----
JOB NO. 2265E
SHEET 7 OF 23

REFERENCE FILE: Engineering Base (Soil Report (2))
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