EXPLORATORY BORING LOG — B-8

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

Southeast Quadrant Developement - West 29th & Maize Road

PROJECT NO: 74-14W07-000-5526 | BORING LOCATION: See Boring Location Plan
SCALE: 1 IN= 2 FT. | BORING DATE 01/07/2015 | DRILLER BH | LOGGED BY BH | CHECKED BY NS
WATER LEVEL @ DRILL: Dry | WATER LEVEL AFTER DRILL | 24 HOUR WATER LEVEL:
DRILL RIG: B-31 | NOTES:

Elev.	MATERIAL DESCRIPTION	No.	Type	Len.	SPT N Value	% Moist.	D. Den. (pcf)	Uncorf. Output	P Pen. (tsf)	% Gravel	% Sand	% Fines	LL	PI
0	TOPSOIL (12 inches), Fat Clay, brown and dark brown mottled, some organic materials, trace fine grained sand, slightly moist, stiff													
-1	CLAYEY SAND, brown, fine to medium grained sand, slightly moist, very stiff													
		B8-1	P	18	7 8 9 **17**	13.1				0.0	58.9	41.1	33	18
-4.5	SAND, light brown and light reddish brown mixed, fine to coarse grained, dry, loose													
		B8-2	P	18	3 4 4 **8**									
-7	CLAYEY SAND, reddish brown and light reddish brown mixed, fine to coarse grained, dry, loose to medium dense													
		B8-3	P	18	4 4 5 **9**	14.9				0.0	50.0	50.0	31	16
		B8-4	P	18	4 6 6 **12**	9.8				0.0	78.3	21.7		
-11.5	End of boring at 11.5 feet.													

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

Figure 11

EXPLORATORY BORING LOG — B-9

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

Southeast Quadrant Developement - West 29th & Maize Road

PROJECT NO: 74-14W07-000-5526 | BORING LOCATION: See Boring Location Plan
SCALE: 1 IN= 2 FT. | BORING DATE 01/06/2015 | DRILLER BH | LOGGED BY BH | CHECKED BY NS
WATER LEVEL @ DRILL: Dry | WATER LEVEL AFTER DRILL | 24 HOUR WATER LEVEL:
DRILL RIG: B-31 | NOTES:

Elev.	MATERIAL DESCRIPTION	No.	Type	Len.	SPT N Value	% Moist.	D. Den. (pcf)	Uncorf. Output	P Pen. (tsf)	% Gravel	% Sand	% Fines	LL	PI
0	TOPSOIL (12 inches), Fat Clay, brown and dark brown mottled, some organic materials, slightly moist. stiff													
-2.5	LEAN CLAY, gray and dark gray mottled, trace fine grained sand, trace iron nodules, slightly moist, stiff													
		B9-1	P	18	6 7 8 **15**									
		B9-2	P	18	6 9 12 **21**									
-8	SANDY CLAY, reddish brown brown mottled, fine grained sand, slightly moist, stiff													
		B9-3	P	18	6 7 8 **15**	18.8				0.0	22.3	77.7	38	21
-9.5	CLAYEY SAND, reddish brown and dark reddish brown mixed, fine to coarse grained, dry, medium dense													
		B9-4	P	18	6 8 9 **17**	13.7				0.0	63.2	36.8	28	13
-13	SAND, light yellowish brown and light brown mixed, fine grained, dry, medium dense													

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

Figure 12

EXPLORATORY BORING LOG — B-9

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

Southeast Quadrant Developement - West 29th & Maize Road

PROJECT NO: 74-14W07-000-5526 | BORING LOCATION: See Boring Location Plan
SCALE: 1 IN= 2 FT. | BORING DATE 01/06/2015 | DRILLER BH | LOGGED BY BH | CHECKED BY NS
WATER LEVEL @ DRILL: Dry | WATER LEVEL AFTER DRILL | 24 HOUR WATER LEVEL:
DRILL RIG: B-31 | NOTES:

Elev.	MATERIAL DESCRIPTION	No.	Type	Len.	SPT N Value	% Moist.	D. Den. (pcf)	Uncorf. Output	P Pen. (tsf)	% Gravel	% Sand	% Fines	LL	PI
		B9-5												
-20.5	SAND, light yellowish brown and light reddish brown mixed, fine to medium grained, saturated, medium dense													
		B9-6	P	18	9 11 9 **20**									
-21.5	End of boring at 21.5 feet.													

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

Figure 12

EXPLORATORY BORING LOG — B-10

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

Southeast Quadrant Developement - West 29th & Maize Road

PROJECT NO: 74-14W07-000-5526 | BORING LOCATION: See Boring Location Plan
SCALE: 1 IN= 2 FT. | BORING DATE 01/06/2015 | DRILLER BH | LOGGED BY BH | CHECKED BY NS
WATER LEVEL @ DRILL: Dry | WATER LEVEL AFTER DRILL | 24 HOUR WATER LEVEL:
DRILL RIG: B-31 | NOTES:

Elev.	MATERIAL DESCRIPTION	No.	Type	Len.	SPT N Value	% Moist.	D. Den. (pcf)	Uncorf. Output	P Pen. (tsf)	% Gravel	% Sand	% Fines	LL	PI
0	SAND, reddish brown and brown mixed, fine to coarse grained, dry, medium dense													
-3.5	FAT CLAY, brown and dark brown mottled, trace iron nodules, trace fine grained sand, dry, stiff													
		B10-1	P	18	10 11 6 **17**									
		B10-2	P	18	5 6 10 **16**	24.9							50	30
-7	SANDY LEAN CLAY, dark reddish brown and light brown mixed, fine to medium grained, trace iron nodules, slightly moist, medium dense													
		B10-3	P	18	10 10 10 **20**	18.2				0.0	47.3	52.7	NV	NP
		B10-4	P	18	6 7 **13**									
-11.5	End of boring at 11.5 feet.													

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

Figure 13

EXPLORATORY BORING LOG — B-11

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

Southeast Quadrant Developement - West 29th & Maize Road

PROJECT NO: 74-14W07-000-5526 | BORING LOCATION: See Boring Location Plan
SCALE: 1 IN= 2 FT. | BORING DATE 01/07/2015 | DRILLER BH | LOGGED BY BH | CHECKED BY NS
WATER LEVEL @ DRILL: Dry | WATER LEVEL AFTER DRILL | 24 HOUR WATER LEVEL:
DRILL RIG: B-31 | NOTES:

Elev.	MATERIAL DESCRIPTION	No.	Type	Len.	SPT N Value	% Moist.	D. Den. (pcf)	Uncorf. Output	P Pen. (tsf)	% Gravel	% Sand	% Fines	LL	PI
0	TOPSOIL (30 inches), Fat Clay, brown and dark brown mottled, many organic materials, trace fine grained sand, slightly moist, stiff													
-2.5	LEAN CLAY, light brown, brown, and grayish brown mottled, trace iron nodules, dry, hard													
		B11-1	P	18	14 24 36 **60**	23.2							46	28
-5.5	SANDY LEAN CLAY, brown and reddish brown mottled, fine grained sand, trace iron nodules, dry, hard													
		B11-2	P	18	11 15 16 **31**	13.7				0.0	26.1	73.9	33	18
-7	SAND, light brown and reddish brown mixed, fine to coarse grained sand, dry, medium dense													
		B11-3	P	18	11 12 15 **27**									
-10.5	SAND, light brown and reddish brown mixed, fine to medium grained sand, dry, medium dense													
		B11-4	P	18	9 10 11 **21**									
-11.5	End of boring at 11.5 feet.													

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

Figure 14

EXPLORATORY BORING LOG — B-12

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

Southeast Quadrant Developement - West 29th & Maize Road

PROJECT NO: 74-14W07-000-5526 | BORING LOCATION: See Boring Location Plan
SCALE: 1 IN= 2 FT. | BORING DATE 01/07/2015 | DRILLER BH | LOGGED BY BH | CHECKED BY NS
WATER LEVEL @ DRILL: Dry | WATER LEVEL AFTER DRILL | 24 HOUR WATER LEVEL:
DRILL RIG: B-31 | NOTES:

Elev.	MATERIAL DESCRIPTION	No.	Type	Len.	SPT N Value	% Moist.	D. Den. (pcf)	Uncorf. Output	P Pen. (tsf)	% Gravel	% Sand	% Fines	LL	PI
0	TOPSOIL (36 inches), Fat Clay, brown and dark brown mottled, some organic materials, trace fine grained sand, slightly moist, very stiff													
-3	LEAN CLAY, brown and grayish brown mottled, trace fine grained sand, trace iron nodules, dry, very stiff to hard													
		B12-1	P	18	11 14 23 **37**									
		B12-2	P	18	11 14 13 **27**									
-9	SAND, brown and reddish brown mixed, fine to coarse grained, dry, medium dense													
		B12-3	P	18	7 8 13 **21**									
		B12-4	P	18	10 13 15 **28**									
-11.5	End of boring at 11.5 feet.													

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

Figure 15

EXPLORATORY BORING LOG — B-13

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

Southeast Quadrant Developement - West 29th & Maize Road

PROJECT NO: 74-14W07-000-5526 | BORING LOCATION: See Boring Location Plan
SCALE: 1 IN= 2 FT. | BORING DATE 01/07/2015 | DRILLER BH | LOGGED BY BH | CHECKED BY NS
WATER LEVEL @ DRILL: Dry | WATER LEVEL AFTER DRILL | 24 HOUR WATER LEVEL:
DRILL RIG: B-31 | NOTES:

Elev.	MATERIAL DESCRIPTION	No.	Type	Len.	SPT N Value	% Moist.	D. Den. (pcf)	Uncorf. Output	P Pen. (tsf)	% Gravel	% Sand	% Fines	LL	PI
0	TOPSOIL (30 inches), Fat Clay, brown and dark brown mottled, some to trace organic materials, trace fine grained sand, slightly moist, very stiff													
-2.5	LEAN CLAY, light brown and grayish brown mottled, trace fine grained sand, trace iron nodules, dry, very stiff													
		B13-1	P	18	8 10 16 **26**									
		B13-2	P	18	8 10 14 **24**									
-7	SAND, light brown and reddish brown mixed, fine to coarse grained, dry, medium dense													
		B13-3	P	18	5 8 11 **19**									
-10	SAND, light brown and light reddish brown mixed, fine to medium grained, dry, medium dense													
		B13-4	P	18	6 12 11 **23**									
-11.5	End of boring at 11.5 feet.													

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

Figure 16

No.	Revision	By	Date

CADILLAC LAKE
STORM WATER DRAIN NO. 404

SOIL BORING LOGS

(FOR INFORMATION ONLY)
GARY JANZEN, P.E.– CITY ENGINEER
CITY OF WICHITA PROJECT NO. 468-85057

PEC
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
303 SOUTH TOPEKA WICHITA, KS 67202
316-262-2691 www.pec1.com

Designed by JAG | Job No. 35-15138-000 | Sht. 11 of 17
Drawn by BJS | Date October 2015

Saved: 08-17-2015 11:25:40 AM by BJS
Plot Scale: 1:1 Plot Date: 08-17-2015 Plotted by BJS
U:\Wichita-Civil\2015\15138\000\Main\Drawings\15138-000-11C-SOIL BORING LOGS