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

EXPLORATORY BORING LOG — B-1

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:

LOG	Elev.	MATERIAL DESCRIPTION	Sym.	No.	Type	Len.	SPT N Value	% Moist.	D. Den. (pcf)	Uncorf. Qu(psf)	P. Pen. (tsf)	% Gravel	% Sand	% Fines	LL	PI
	0	TOPSOIL (12 inches), Fat Clay, brown and dark brown mottled, many organic materials, trace fine grained sand, slightly moist, stiff														
	-1	LEAN CLAY, gray and dark gray mottled, trace iron nodules, trace fine grained sand, dry to slightly moist, hard														
	2			B1-1	P	18	8 17 16 / **33**									
	4															
	6			B1-2	P	18	8 16 19 / **35**	20.2							44	28
	-7	LEAN CLAY, gray, pale brown, and grayish brown mottled, some iron nodules, dry, hard														
	8			B1-3	P	18	8 13 18 / **31**									
	-9	LEAN CLAY, yellowish brown and gray mottled, iron stains and nodules, dry, very stiff														
	10			B1-4	P	18	8 10 10 / **20**	19.7				0.0	35.7	64.3	37	20
	-11	CLAYEY SAND, gray and pale brown mixed, fine grained, trace iron nodules, dry, medium dense														
	-11.5	End of boring at 11.5 feet.														
	12															
	14															

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

Figure 4

Allied Laboratories
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350 South Washington
Wichita, Kansas 67202

EXPLORATORY BORING LOG — B-2

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:

LOG	Elev.	MATERIAL DESCRIPTION	Sym.	No.	Type	Len.	SPT N Value	% Moist.	D. Den. (pcf)	Uncorf. Qu(psf)	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, light brown, and gray brown mottled, fine grained, slightly moist, stiff														
	2			B2-1	P	18	5 6 5 / **11**	15.0				0.0	59.3	40.7	32	18
	4															
	-4	SANDY CLAY, reddish brown and grayish brown mottled, fine to medium grained sand, slightly moist to saturated, soft to stiff														
	6			B2-2	P	18	4 4 6 / **10**	18.3								
	-7	CLAYEY SAND, reddish brown, brown, and light brown mixed, fine to coarse grained, trace iron nodules, slightly moist, medium dense														
	8			B2-3	P	18	5 7 12 / **19**									
	-9.5	SAND, reddish brown and brown mixed, fine to medium grained, saturated, medium dense														
	10			B2-4	P	18	6 8 7 / **15**									
	-11.5	End of boring at 11.5 feet.														
	12															
	14															

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

EXPLORATORY BORING LOG — B-3

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:

LOG	Elev.	MATERIAL DESCRIPTION	Sym.	No.	Type	Len.	SPT N Value	% Moist.	D. Den. (pcf)	Uncorf. Qu(psf)	P. Pen. (tsf)	% Gravel	% Sand	% Fines	LL	PI
	0	TOPSOIL (12 inches), Fat Clay, brown and grayish brown mottled, some organic materials, trace fine grained sand, slightly moist, stiff														
	-1	LEAN CLAY, gray and grayish brown mottled, trace fine grained sand, dry to slightly moist, hard														
	2			B3-1	P	18	16 25 40 / **65**									
	4															
	-4.5	LEAN CLAY, bluish gray, and reddish brown mottled, some iron nodules, dry, hard														
	6			B3-2	P	18	16 23 27 / **50**	17.1							42	25
	-7	SANDY LEAN CLAY, reddish brown and brown mottled, trace iron nodules, dry, very stiff														
	8			B3-3	P	18	8 12 15 / **27**	16.9				0.0	42.2	57.8	36	20
	-10.5	SAND, light brown and reddish brown mixed, fine to medium grained, dry, medium dense														
	10			B3-4	P	18	7 7 9 / **16**									
	-11.5	End of boring at 11.5 feet.														
	12															
	14															

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

Figure 6

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

EXPLORATORY BORING LOG — B-4

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:

LOG	Elev.	MATERIAL DESCRIPTION	Sym.	No.	Type	Len.	SPT N Value	% Moist.	D. Den. (pcf)	Uncorf. Qu(psf)	P. Pen. (tsf)	% Gravel	% Sand	% Fines	LL	PI
	0	TOPSOIL (12 inches), Fat Clay, brown and dark brown mottled, many organic materials, trace fine grained sand, slightly moist, stiff														
	-1	FAT CLAY, brown and light brown mottled, trace iron nodules, trace fine grained sand, slightly moist, very stiff to hard														
	2			B4-1	P	18	5 7 12 / **19**	16.6							51	34
	4															
	-4.5	LEAN CLAY, brown and light brown mottled, trace iron nodules, trace fine grained sand, slightly moist, very stiff to hard														
	6			B4-2	P	18	10 15 22 / **37**	15.2							43	27
	-7	SANDY CLAY, light brown and pale brown mottled, some iron stains, slightly moist, hard														
	8			B4-3	P	18	9 11 24 / **35**	18.5				0.0	43.0	57.0	43	26
	-9	SAND, light brown and pale brown mixed, fine to medium grained sand, dry, medium dense														
	10	SANDY LEAN CLAY, light yellowish brown, gray, and reddish brown mottled, iron stains and nodules, slightly moist, very stiff		B4-4	P	18	7 8 16 / **24**	18.5				0.0	45.2	54.8	41	25
	-11.5	End of boring at 11.5 feet.														
	12															
	14															

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

Figure 7

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

EXPLORATORY BORING LOG — B-5

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:

LOG	Elev.	MATERIAL DESCRIPTION	Sym.	No.	Type	Len.	SPT N Value	% Moist.	D. Den. (pcf)	Uncorf. Qu(psf)	P. Pen. (tsf)	% Gravel	% Sand	% Fines	LL	PI
	0	TOPSOIL (12 inches), Fat Clay, brown and dark brown mottled, many organic materials, trace fine grained sand, slightly moist, stiff														
	-1	LEAN CLAY, brown and dark grayish brown mottled, trace fine grained sand, slightly moist, very stiff														
	2			B5-1	P	18	5 7 9 / **16**	20.6							40	24
	4															
	-4.5	LEAN CLAY, gray and reddish brown mottled, some iron stains, slightly moist, hard														
	6			B5-2	P	18	13 18 21 / **39**	18.8							43	26
	-7	SANDY LEAN CLAY, gray and reddish brown mottled, fine grained sand, iron stains and nodules, slightly moist, very stiff														
	8			B5-3	P	18	7 8 13 / **21**	17.5							31	18
	-8.5	CLAYEY SAND, reddish brown and light reddish brown, fine to medium grained, dry, medium dense														
	10			B5-4	P	18	5 6 10 / **16**									
	-11	SAND, brown and pale brown mixed, fine grained, dry, medium dense														
	-11.5	End of boring at 11.5 feet.														
	12															
	14															

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

Figure 8

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

EXPLORATORY BORING LOG — B-6

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:

LOG	Elev.	MATERIAL DESCRIPTION	Sym.	No.	Type	Len.	SPT N Value	% Moist.	D. Den. (pcf)	Uncorf. Qu(psf)	P. Pen. (tsf)	% Gravel	% Sand	% Fines	LL	PI
	0	TOPSOIL (12 inches), Fat Clay, dark brown and brown mottled, many organic materials, trace fine grained sand, slightly moist, stiff														
	-1	CLAYEY SAND, dark brown and reddish brown mixed, fine to coarse grained, dry, medium dense to dense														
	2			B6-1	P	18	15 14 13 / **27**	7.3				0.0	52.7	47.3	31	17
	4															
	6			B6-2	P	18	11 17 18 / **35**									
	8			B6-3	P	18	16 15 18 / **33**									
	-10.5	SAND, light brown and pale brown mixed, fine grained, dry, dense		B6-4	P	18	10 13 18 / **31**									
	-11.5	End of boring at 11.5 feet.														
	12															
	14															

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

Figure 9

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

EXPLORATORY BORING LOG — B-7

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:

LOG	Elev.	MATERIAL DESCRIPTION	Sym.	No.	Type	Len.	SPT N Value	% Moist.	D. Den. (pcf)	Uncorf. Qu(psf)	P. Pen. (tsf)	% Gravel	% Sand	% Fines	LL	PI
	0	TOPSOIL (12 inches), Fat Clay, brown and dark brown mottled, many organic materials, trace fine grained sand, slightly moist, stiff														
	-1	FAT CLAY, brown and grayish brown mottled, dry, stiff to hard														
	2			B7-1	P	18	9 16 23 / **39**	14.3							51	34
	4															
	-4.5	LEAN CLAY, gray and dark gray mottled, trace iron nodules, dry, hard														
	6			B7-2	P	18	11 16 22 / **38**									
	-7	CLAYEY SAND, light brown and pale brown mixed, fine to coarse grained, iron stains, slightly moist, medium dense														
	8			B7-3	P	18	6 11 12 / **23**									
	-10.5	SILTY SAND, reddish brown and brown mixed, fine to medium grained, dry, medium dense		B7-4	P	18	8 10 12 / **22**									
	-11.5	End of boring at 11.5 feet.														
	12															
	14															

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

Figure 10

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. 10 of 17
Drawn by BJS | Date October 2015

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U:\Wichita–Civil\2015\15138\000\Muni\Drawings\15138–000–10C–SOIL BORING LOGS