FEB-28-2006 11:00 HILLIS CARNES 410 880 4098 P.21

HILLIS - CARNES ENGINEERING ASSOCIATES, INC.

RECORD OF SOIL EXPLORATION

Project Name: Health Care for the Homeless — Boring No.: B-1
Location: Baltimore City, MD — Job #: 05072B

SAMPLER
Datum: — Hammer Wt.: 140 lbs. — Hole Diameter: — Foreman: J. Hersl
Surf. Elev.: — Ft. — Hammer Drop: 30 in. — Rock Core Diameter: — Inspector: —
Date Started: 3/19/05 — Pipe Size: 2 in. — Boring Method: HSA — Date Completed: 3/19/05

Elevation/ Depth	Description	Boring and Sampling Notes	Rec.	NM	SPT Blows	N
	Red and dark gray to brown, moist, dense to loose, silty sand, trace gravel rock fragments and brick fragments (SM; Fill)	Asphalt-3" Gravel-3"	18"		18-16-13	29
			4"		15-5-5	10
			3"		9-4-3	7
	Brown, moist, loose, silty clayey sand, trace mica, gravel, rock fragments and brick fragments (SM- SC; Fill)		4"		3-3-3	6
	Brown, moist, stiff, sandy clay, trace silt, mica, gravel and rock fragments (CL)	Groundwater encountered at 13.5'	3"		4-4-8	12
	Yellow and white, moist, stiff, clayey silt (ML)		17"		3-5-9	14
	Bottom of hole at 20'					

SAMPLER TYPE: DRIVEN SPLIT SPOON UNLESS OTHERWISE; PT - PRESSED SHELBY TUBE; CA - CONTINUOUS FLIGHT AUGER; RC - ROCK CORE

SAMPLE CONDITIONS: D - DISINTEGRATED; I - INTACT; U - UNDISTURBED; L - LOST

	GROUND WATER	CAVE IN DEPTH
AT COMPLETION	Dry ft.	8.5 ft.
AFTER 24 HRS.	ft.	ft.
AFTER ___ HRS.	ft.	ft.

BORING METHOD: HSA - HOLLOW STEM AUGERS; CFA - CONTINUOUS FLIGHT AUGERS; DC - DRIVING CASING; MD - MUD DRILLING

STANDARD PENETRATION TEST-DRIVING 2" O.D. SAMPLER 1' WITH 140# HAMMER FALLING 30": COUNT MADE AT 6" INTERVALS.

KANN & ASSOC. Fax:4105294921 Feb 28 2006 12:07 P.20

FEB-28-2006 11:00 HILLIS CARNES 410 880 4098 P.22

HILLIS - CARNES ENGINEERING ASSOCIATES, INC.

RECORD OF SOIL EXPLORATION

Project Name: Health Care for the Homeless — Boring No.: B-2
Location: Baltimore City, MD — Job #: 05072B

SAMPLER
Datum: — Hammer Wt.: 140 lbs. — Hole Diameter: 3.25 — Foreman: Chris Gomolka
Surf. Elev.: — Ft. — Hammer Drop: 30 in. — Rock Core Diameter: — Inspector: —
Date Started: 4/16/05 — Pipe Size: 2 in. — Boring Method: HSA — Date Completed: 4/16/05

Elevation/ Depth	Description	Boring and Sampling Notes	Rec.	NM	SPT Blows	N
	Red and brown, dry, medium dense to loose, silty sand, trace brick fragments (SM; Fill)	Asphalt-3" Stone-6"	18"		9-9-5-5	14
			23"		4-3-2-3	5
	Tan, dry, very dense, gravel and brick fragments (Fill)	No groundwater encountered while drilling.	1"		51/1	100+
	Red and gray, dry, very dense, silty sand, trace brick fragments and gravel (SM; Fill)		10"		27-35-50/4	100+
	Auger refusal Bottom of hole at 10.5'					

SAMPLER TYPE: DRIVEN SPLIT SPOON UNLESS OTHERWISE; PT - PRESSED SHELBY TUBE; CA - CONTINUOUS FLIGHT AUGER; RC - ROCK CORE

SAMPLE CONDITIONS: D - DISINTEGRATED; I - INTACT; U - UNDISTURBED; L - LOST

	GROUND WATER	CAVE IN DEPTH
AT COMPLETION	Dry ft.	5.5 ft.
AFTER 24 HRS.	ft.	ft.
AFTER ___ HRS.	ft.	ft.

BORING METHOD: HSA - HOLLOW STEM AUGERS; CFA - CONTINUOUS FLIGHT AUGERS; DC - DRIVING CASING; MD - MUD DRILLING

STANDARD PENETRATION TEST-DRIVING 2" O.D. SAMPLER 1' WITH 140# HAMMER FALLING 30": COUNT MADE AT 6" INTERVALS.

KANN & ASSOC. Fax:4105294921 Feb 28 2006 12:07 P.21

FEB-28-2006 11:00 HILLIS CARNES 410 880 4098 P.23

HILLIS - CARNES ENGINEERING ASSOCIATES, INC.

RECORD OF SOIL EXPLORATION

Project Name: Health Care for the Homeless — Boring No.: B-3
Location: Baltimore City, MD — Job #: 05072B

SAMPLER
Datum: — Hammer Wt.: 140 lbs. — Hole Diameter: 3.25 — Foreman: Chris Gomolka
Surf. Elev.: — Ft. — Hammer Drop: 30 in. — Rock Core Diameter: — Inspector: —
Date Started: 4/16/05 — Pipe Size: 2 in. — Boring Method: HSA — Date Completed: 4/16/05

Elevation/ Depth	Description	Boring and Sampling Notes	Rec.	NM	SPT Blows	N
	Brown, moist, loose, silty sand to sandy silt, trace brick fragments, gravel and asphalt (SM-ML; Fill)	Asphalt-3"	20"		2-2-3-7	5
	Brown, moist, dense, silty sand, trace rock fragments, gravel and asphalt (SM; Fill)		23"		24-27-17-22	44
			24"		17-22-28-37	50
	Brown, moist, very dense, silty sand and rock fragments (SM-SM; Possible Fill)	No groundwater encountered while drilling.	2"		27-50/4	100+
	Yellow and red, moist, very stiff, clayey silt, trace fine sand (ML)		21"		15-9-7-10	16
	Light gray, moist, medium stiff, micaceous clayey silt, trace sand and rock fragments (ML)		24"		11-7-3-6	10
	Bottom of hole at 20'					

SAMPLER TYPE: DRIVEN SPLIT SPOON UNLESS OTHERWISE; PT - PRESSED SHELBY TUBE; CA - CONTINUOUS FLIGHT AUGER; RC - ROCK CORE

SAMPLE CONDITIONS: D - DISINTEGRATED; I - INTACT; U - UNDISTURBED; L - LOST

	GROUND WATER	CAVE IN DEPTH
AT COMPLETION	Dry ft.	15.5 ft.
AFTER 24 HRS.	ft.	ft.
AFTER ___ HRS.	ft.	ft.

BORING METHOD: HSA - HOLLOW STEM AUGERS; CFA - CONTINUOUS FLIGHT AUGERS; DC - DRIVING CASING; MD - MUD DRILLING

STANDARD PENETRATION TEST-DRIVING 2" O.D. SAMPLER 1' WITH 140# HAMMER FALLING 30": COUNT MADE AT 6" INTERVALS.

KANN & ASSOC. Fax:4105294921 Feb 28 2006 12:07 P.22

FEB-28-2006 11:00 HILLIS CARNES 410 880 4098 P.24

HILLIS - CARNES ENGINEERING ASSOCIATES, INC.

RECORD OF SOIL EXPLORATION

Project Name: Health Care for the Homeless — Boring No.: B-4
Location: Baltimore City, MD — Job #: 05072B

SAMPLER
Datum: — Hammer Wt.: 140 lbs. — Hole Diameter: — Foreman: J. Hersl
Surf. Elev.: — Ft. — Hammer Drop: 30 in. — Rock Core Diameter: — Inspector: —
Date Started: 3/19/05 — Pipe Size: 2 in. — Boring Method: HSA — Date Completed: 3/19/05

Elevation/ Depth	Description	Boring and Sampling Notes	Rec.	NM	SPT Blows	N
	Black, moist, loose, asphalt (Fill)	Topsoil-3" Gravel-4"	6"		3-3-4	7
	Light brown, moist, medium stiff, silty clay, trace mica, asphalt, brick fragments and sand (CL; Fill)		8"		2-2-4	6
	Tan, moist, medium dense, silty sand and gravel, trace asphalt and clay (SM-GM; Fill)	Auger refusal at 5.5', boring offset 3' towards center of lot.	15"		7-7-6	13
	Tan, moist, dense, silty sand and gravel, trace clay (SM-GM)		12"		6-17-18	25
	Tan, damp, medium dense, silty sand (SM)	Groundwater encountered at 13.5' while drilling.	13"		17-9-8	17
	White and yellow, moist, very stiff, sandy silt and clay, trace gravel (CL-ML)		14"		10-12-13	25
	Bottom of hole at 20'					

SAMPLER TYPE: DRIVEN SPLIT SPOON UNLESS OTHERWISE; PT - PRESSED SHELBY TUBE; CA - CONTINUOUS FLIGHT AUGER; RC - ROCK CORE

SAMPLE CONDITIONS: D - DISINTEGRATED; I - INTACT; U - UNDISTURBED; L - LOST

	GROUND WATER	CAVE IN DEPTH
AT COMPLETION	Dry ft.	4 ft.
AFTER 24 HRS.	ft.	ft.
AFTER ___ HRS.	ft.	ft.

BORING METHOD: HSA - HOLLOW STEM AUGERS; CFA - CONTINUOUS FLIGHT AUGERS; DC - DRIVING CASING; MD - MUD DRILLING

STANDARD PENETRATION TEST-DRIVING 2" O.D. SAMPLER 1' WITH 140# HAMMER FALLING 30": COUNT MADE AT 6" INTERVALS.

KANN & ASSOC. Fax:4105294921 Feb 28 2006 12:07 P.23

FEB-28-2006 11:00 HILLIS CARNES 410 880 4098 P.25

HILLIS - CARNES ENGINEERING ASSOCIATES, INC.

RECORD OF SOIL EXPLORATION

Project Name: Health Care for the Homeless — Boring No.: B-5
Location: Baltimore City, MD — Job #: 05072B

SAMPLER
Datum: — Hammer Wt.: 140 lbs. — Hole Diameter: 3.25 — Foreman: Chris Gomolka
Surf. Elev.: — Ft. — Hammer Drop: 30 in. — Rock Core Diameter: — Inspector: —
Date Started: 4/16/05 — Pipe Size: 2 in. — Boring Method: HSA — Date Completed: 4/16/05

Elevation/ Depth	Description	Boring and Sampling Notes	Rec.	NM	SPT Blows	N
	Red, brown and white, moist, medium dense to loose, silty sand, trace brick fragments, trace to no gravel, mica and topsoil (SM; Fill)	Asphalt-3.5"	16"		3-1-2-1	3
			20"		4-2-14-14	16
			18"		6-2-4-5	6
	Light brown, dry, medium dense, silty sand and gravel (SM-GM; Possible Fill)		21"		8-7-9-9	16
	Red and white, moist, medium stiff, clayey silt, trace fine sand (ML)	No groundwater encountered while drilling.	22"		5-3-5-8	8
	Light gray, moist, medium dense, micaceous silty sand to sandy silt, trace clay (ML-SM)		23"		10-8-12-7	20
	bottom of hole at 20'					

SAMPLER TYPE: DRIVEN SPLIT SPOON UNLESS OTHERWISE; PT - PRESSED SHELBY TUBE; CA - CONTINUOUS FLIGHT AUGER; RC - ROCK CORE

SAMPLE CONDITIONS: D - DISINTEGRATED; I - INTACT; U - UNDISTURBED; L - LOST

	GROUND WATER	CAVE IN DEPTH
AT COMPLETION	Dry ft.	16 ft.
AFTER 24 HRS.	ft.	ft.
AFTER ___ HRS.	ft.	ft.

BORING METHOD: HSA - HOLLOW STEM AUGERS; CFA - CONTINUOUS FLIGHT AUGER; DC - DRIVING CASING; MD - MUD DRILLING

STANDARD PENETRATION TEST-DRIVING 2" O.D. SAMPLER 1' WITH 140# HAMMER FALLING 30": COUNT MADE AT 6" INTERVALS.

KANN & ASSOC. Fax:4105294921 Feb 28 2006 12:07 P.24

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HEALTH CARE FOR THE HOMELESS, INC.
NEW CLINIC & HEADQUARTERS BUILDING
421 FALLSWAY
BALTIMORE, MD 21202

Milestone Description	Date
-	-
90% CONSTRUCTION DRAWINGS	07/25/06
PERMIT SET	07/08/06
DESIGN DEVELOPMENT	04/18/06
SCHEMATIC DESIGN	01/11/06

Mark	Revision Description	Date

KA Project Number:	06-026
SM	CC
PM	VT
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BORING LOGS

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C-14