

CLIENT: Morabito Consultants, Inc.

PROJECT: State Center Parcel G

ARCHITECT/ENGINEER:

SITE: Baltimore, Maryland

SURFACE ELEV.:	GRAPHIC LOG	DEPTH (FT)	SAMPLES				TESTS					
			BLOWS/6" N - VALUE RQD	NUMBER	TYPE	IN. RECOVERED IN. DRIVEN	MOISTURE (%)	DRY DENSITY (PCF)	Qu (TSF)	% PASSING #200 SIEVE	REMARKS/ ADDITIONAL DATA	
0.4	5" Asphalt											
0.7	3" Gravel Fill											
5.0	Medium dense reddish brown and dark gray SILTY FINE SAND (SM) with asphalt and brick debris (Fill)	5	7-6-6 N=12	1	SS	10/18 56%	17					
	Medium dense brown and tan SILTY FINE SAND (SM) with gravel	5	4-4-5 N=9	2	SS	5/18 28%	12					
		10	1-6-12 N=18	3	SS	18/18 100%	11					
		10	10-12-9 N=21	4	SS	16/18 89%	9				32	
12.0	Medium dense brown and tan SILTY FINE SAND (SM)	15	4-2-3 N=5	5	SS	18/18 100%	11					
		20	5-8-9 N=17	6	SS	18/18 100%	3					
		25	5-5-9 N=14	7	SS	18/18 100%	8					
		30	5-12-16 N=28	8	SS	18/18 100%	4					
		35	7-11-15 N=26	9	SS	18/18 100%	17					
35.0	Medium dense to very dense brown and tan GRAVELLY SAND (SP) with quartz fragments	40	10-14-15 N=29	10	SS	18/18 100%	20					
		45	10-13-10 N=23	11	SS	18/18 100%	11					
		50	14-12-11 N=23	12	SS	18/18 100%	10				9	
		55	16-50/4"	13	SS	10/18 56%	8					

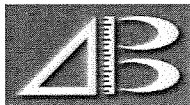
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BORING LOG AB09 09-033 PARCEL G.GPJ AB CONS.GDT 10/20/09

WATER LEVEL OBSERVATIONS

WL	▽	37	@ Drilling
WL	▼	31.5	@ 0 hr
WL	▽	31.5	@ 24 hr



AB Consultants, Inc.
 9450 Annapolis Road
 Lanham, MD 20706
 Phone: 301-306-3091
 Fax: 301-306-3092

STARTED:	9/26/09	FINISHED:	9/27/09
DRILL CO.:	Recon	DRILL RIG:	550 ATV
DRILLER:	C. Gudiel	ASST DRILLER:	
LOGGED BY:		APPROVED:	

CLIENT: Morabito Consultants, Inc.

PROJECT: State Center Parcel G

ARCHITECT/ENGINEER:

SITE: Baltimore, Maryland

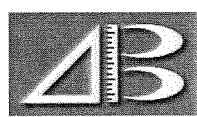
DEPTH (FT)	SAMPLES			TESTS					
	BLOWS/6" N-VALUE RQD	NUMBER	TYPE	IN. RECOVERED IN. DRIVEN	MOISTURE (%)	DRY DENSITY (PCF)	Q _u (TSF)	% PASSING #200 SIEVE	REMARKS/ ADDITIONAL DATA
(continued)									
57.0									
	Firm to stiff greenish gray SILTY CLAY (CH)								
60	5-5-6 N=11	14	SS	18/18 100%	27				
65	6-7-10 N=17	15	SS	18/18 100%	51				LL = 147 PL = 37 PI = 110
70	10-11-14 N=25	16	SS	18/18 100%	37				
72.0									
	Medium dense dark gray SANDY SILT (ML)								
75	7-10-18 N=28	17	SS	18/18 100%	27				LL = NP PL = NP PI = 0
77.0									
	Very dense light gray SILTY SAND (SM) with decomposed rock								
80	50/2"	18	SS	2/18 11%	13				
85.0	30-50/2"	19	SS	2/18 11%	18				
	End of Boring @ 85 ft								

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BORING LOG AB09 09-033 PARCEL G.GPJ AB CONS.GDT 10/20/09

WATER LEVEL OBSERVATIONS

WL	▽	37	@ Drilling
WL	▼	31.5	@ 0 hr
WL	▽	31.5	@ 24 hr



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DRILL CO.:	Recon	DRILL RIG:	550 ATV
DRILLER:	C. Gudiel	ASST DRILLER:	
LOGGED BY:		APPROVED:	

CLIENT: Morabito Consultants, Inc.

PROJECT: State Center Parcel G

ARCHITECT/ENGINEER:

SITE: Baltimore, Maryland

SURFACE ELEV.:	GRAPHIC LOG	DEPTH (FT)	SAMPLES				TESTS				REMARKS/ ADDITIONAL DATA
			BLOWS/6" N - VALUE RQD	NUMBER	TYPE	IN. RECOVERED IN. DRIVEN	MOISTURE (%)	DRY DENSITY (PCF)	Qu (TSF)	% PASSING #200 SIEVE	
0.4 4" Asphalt											
0.9 6" Gravel Fill											
6.0 Medium dense reddish brown and dark gray SILTY FINE SAND (SM) with asphalt and brick debris and gravel (Fill)		5	7-12-10 N=22	1	SS	12/18 67%	9				LL = 23 PL = 14 PI = 9
Medium dense Brown and tan SILTY FINE SAND (SM) -with quartz fragments between 6 ft to 8ft			5-8-8 N=16	2	SS	18/18 100%	11				
		10	10-13-12 N=25	3	SS	14/18 78%	4				
			6-6-9 N=15	4	SS	16/18 89%	4				
		15	8-10-12 N=22	5	SS	18/18 100%	5				
		20	5-7-9 N=16	6	SS	18/18 100%	3				
		25	5-5-8 N=13	7	SS	18/18 100%	4			7	
		30	2-5-5 N=10	8	SS	15/18 83%	3				
		35	6-10-13 N=23	9	SS	18/18 100%	15				
		40	3-6-16 N=22	10	SS	18/18 100%	18				
		45	10-15-25 N=40	11	SS	18/18 100%	14				
		50	16-20-26 N=46	12	SS	18/18 100%	14				
55.0 Medium dense to dense brown and tan GRAVELLY SAND (SP) with quartz fragments		55	10-14-18 N=32	13	SS	4/18 22%	9				

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Continued Next Page

WATER LEVEL OBSERVATIONS			
WL	▽	38	@ Drilling
WL	▽	37.5	@ 0 hr



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STARTED:	9/27/09	FINISHED:	9/27/09
DRILL CO.:	Recon	DRILL RIG:	550 ATV
DRILLER:	C. Guidel	ASST DRILLER:	
LOGGED BY:		APPROVED:	

BORING LOG AB09_09-033 PARCEL G.GPJ AB_CONS.GDT 10/20/09

CLIENT: Morabito Consultants, Inc. PROJECT: State Center Parcel G

ARCHITECT/ENGINEER: SITE: Baltimore, Maryland

DEPTH (FT)	BLOWS/6" N - VALUE RQD	NUMBER	TYPE	IN. RECOVERED IN. DRIVEN	TESTS				REMARKS/ ADDITIONAL DATA
					MOISTURE (%)	DRY DENSITY (PCF)	Qu (TSF)	% PASSING #200 SIEVE	
(continued)									
57.0									
Very stiff to hard brown and gray SILTY CLAY (CL) with mica and decomposed rock									
60	13-16-21 N=37	14	SS	18/18 100%	20				
65	32-50/4"	15	SS	10/18 56%	19				LL = 39 PL = 24 PI = 15
70.0	20-50/4"	16	SS	10/18 56%	14				
End of Boring @ 70 ft									

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BORING LOG AB09 09-033 PARCEL G.GPJ AB CONS.GDT 10/20/09

WATER LEVEL OBSERVATIONS			
WL	▽	38	@ Drilling
WL	▼	37.5	@ 0 hr



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STARTED: 9/27/09	FINISHED: 9/27/09
DRILL CO.: Recon	DRILL RIG: 550 ATV
DRILLER: C. Guidel	ASST DRILLER:
LOGGED BY:	APPROVED:

CLIENT: Morabito Consultants, Inc.

PROJECT: State Center Parcel G

ARCHITECT/ENGINEER:

SITE: Baltimore, Maryland

SURFACE ELEV.:	GRAPHIC LOG	DEPTH (FT)	SAMPLES				TESTS				REMARKS/ ADDITIONAL DATA
			BLOWS/6" N - VALUE RQD	NUMBER	TYPE	IN. RECOVERED IN. DRIVEN	MOISTURE (%)	DRY DENSITY (PCF)	Qu (TSF)	% PASSING #200 SIEVE	
0.5	6" Asphalt										
0.9	5" Gravel Fill										
3.0	Medium dense reddish brown SILTY FINE SAND (SM) with brick debris and gravel (Fill) Firm tan and gray SILTY CLAY (CL)	5	7-9-8 N=17	1	SS	5/18 28%	7				
			7-7-9 N=16	2	SS	10/18 56%					LL = 30 PL = 14 PI = 16
			5-6-7 N=13	3	SS	18/18 100%	15				
8.0	Medium dense brown and tan SILTY FINE SAND (SM)	10	5-8-10 N=18	4	SS	18/18 100%	15 5				
			8-10-12 N=22	5	SS	18/18 100%	19		34		
17.0	Stiff gray and tan SILTY CLAY (CL) with gravel	20	9-11-13 N=24	6	SS	18/18 100%	14				LL = 36 PL = 20 PI = 16
22.0	Dense brown and tan SILTY FINE SAND (SM) with gravel	25	13-19-21 N=40	7	SS	18/18 100%	4				
			19-35-32 N=67	8	SS	18/18 100%	8				
			19-24-35 N=59	9	SS	18/18 100%	11				
			16-19-30 N=49	10	SS	18/18 100%	4				
42.0	Medium dense to very dense brown and tan GRAVELLY SAND (SP) with quartz fragment	45	9-13-19 N=32	11	SS	18/18 100%	11				
			21-25-36 N=61	12	SS	18/18 100%	6				
52.0	Very stiff to stiff greenish gray SILTY CLAY (CH)	55	9-11-22 N=33	13	SS	18/18 100%	20				

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BORING LOG AB09 09-033 PARCEL G.GPJ AB_CONS.GDT 10/20/09

WATER LEVEL OBSERVATIONS			
WL	∇	43	@ Drilling
WL		Dry	@ 0 hr
WL		Dry	@ 24 hr



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 Phone: 301-306-3091
 Fax: 301-306-3092

STARTED:	9/27/09	FINISHED:	9/27/09
DRILL CO.:	Recon	DRILL RIG:	D-50 ATV
DRILLER:	W. Rodas	ASS'T DRILLER:	
LOGGED BY:		APPROVED:	

CLIENT: Morabito Consultants, Inc.

PROJECT: State Center Parcel G

ARCHITECT/ENGINEER:

SITE: Baltimore, Maryland

GRAPHIC LOG	DEPTH (FT)	SAMPLES				TESTS				
		BLOWS/6" N - VALUE RQD	NUMBER	TYPE	IN. RECOVERED IN. DRIVEN	MOISTURE (%)	DRY DENSITY (PCF)	Qu (TSF)	% PASSING #200 SIEVE	REMARKS/ ADDITIONAL DATA
(continued)										
Very stiff to stiff greenish gray SILTY CLAY (CH) (continued)	60	9-10-10 N=20	14	SS	18/18 100%	37			88	
	65	6-9-10 N=19	15	SS	18/18 100%	40				
	70.0	9-16-17 N=33	16	SS	18/18 100%	43				
Dense greenish gray SILTY FINE SAND (SM) with decomposed rock	68.0									
End of Boring @ 70 ft	70.0									

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WATER LEVEL OBSERVATIONS

WL	∇	43	@ Drilling
WL		Dry	@ 0 hr
WL		Dry	@ 24 hr



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 Phone: 301-306-3091
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STARTED: 9/27/09	FINISHED: 9/27/09
DRILL CO.: Recon	DRILL RIG: D-50 ATV
DRILLER: W. Rodas	ASST DRILLER:
LOGGED BY:	APPROVED:

BORING LOG AB09_09-033 PARCEL G.GPJ_AB_CONS.GDT_10/20/09

CLIENT: Morabito Consultants, Inc.

PROJECT: State Center Parcel G

ARCHITECT/ENGINEER:

SITE: Baltimore, Maryland

SURFACE ELEV.:	GRAPHIC LOG	DEPTH (FT)	SAMPLES				TESTS				REMARKS/ ADDITIONAL DATA	
			BLOWS/6" N - VALUE RQD	NUMBER	TYPE	IN. RECOVERED IN. DRIVEN	MOISTURE (%)	DRY DENSITY (PCF)	Qu (TSF)	% PASSING #200 SIEVE		
0.5	6" Asphalt											
0.9	5" Gravel Fill											
	Medium dense reddish brown SILTY FINE SAND (SM) with trace of clay and roots (Fill)	5	5-7-6 N=13	1	SS	10/18 56%	19					LL = 27 PL = 15 PI = 12
			3-3-2 N=5	2	SS	15/18 83%	24					
			5-7-15 N=22	3	SS	18/18 100%	11					
8.0	Medium dense brown and tan SILTY FINE SAND (SM)	10	5-5-6 N=11	4	SS	18/18 100%	5					
	-with gravel between 13 ft to 16 ft	15	9-12-15 N=27	5	SS	10/18 56%	3					
		20	9-15-19 N=34	6	SS	18/18 100%	7					
		25	10-11-15 N=26	7	SS	18/18 100%	3					
		30	7-8-9 N=17	8	SS	18/18 100%	16			33		
		35	6-22-26 N=48	9	SS	18/18 100%	22					
38.0	Dense to very dense brown and tan GRAVELLY SAND (SP) with quartz fragments	40	14-20-25 N=45	10	SS	18/18 100%	18					
		45	20-22-32 N=54	11	SS	18/18 100%	23					
		50	20-28-39 N=67	12	SS	18/18 100%	8					
		55	12-25-45 N=70	13	SS	3/18 17%	15					

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Continued Next Page

WATER LEVEL OBSERVATIONS

WL	▽	36	@ Drilling
WL	▽	35	@ 0 hr
WL	▽	35	@ 24 hr



AB Consultants, Inc.
9450 Annapolis Road
Lanham, MD 20706
Phone: 301-306-3091
Fax: 301-306-3092

STARTED:	9/26/09	FINISHED:	9/26/09
DRILL CO.:	Recon	DRILL RIG:	D-50 ATV
DRILLER:	W. Rodas	ASST DRILLER:	
LOGGED BY:		APPROVED:	

CLIENT: Morabito Consultants, Inc.

PROJECT: State Center Parcel G

ARCHITECT/ENGINEER:

SITE: Baltimore, Maryland

DEPTH (FT)	SAMPLES				TESTS				REMARKS/ ADDITIONAL DATA
	BLOWS/6" N - VALUE RQD	NUMBER	TYPE	IN. RECOVERED IN. DRIVEN	MOISTURE (%)	DRY DENSITY (PCF)	Qu (TSF)	% PASSING #200 SIEVE	
(continued)									
60.0	12-21-35 N=56	14	SS	18/18 100%	11				
62.0									
65.0	12-18-28 N=46	15	SS	18/18 100%	22				LL = 52 PL = 27 PI = 25
68.0									
70.0	6-6-8 N=14	16	SS	18/18 100%	45				
75.0	5-7-11 N=18	17	SS	18/18 100%	43				LL = 72 PL = 27 PI = 45
79.0									
80.0	9-12-19 N=31	18	SS	18/18 100%	29				
85.0	12-24-40 N=64	19	SS	18/18 100%	21				
90.0	25-40-50/5"	20	SS	17/18 94%	32				
95.0	16-20-26 N=46	21	SS	18/18 100%	47			32	
100.0	50/5"	22	SS	5/18 28%	16				

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WATER LEVEL OBSERVATIONS

WL	∇	36	@ Drilling
WL	∇	35	@ 0 hr
WL	∇	35	@ 24 hr



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 9450 Annapolis Road
 Lanham, MD 20706
 Phone: 301-306-3091
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STARTED:	9/26/09	FINISHED:	9/26/09
DRILL CO.:	Recon	DRILL RIG:	D-50 ATV
DRILLER:	W. Rodas	ASST DRILLER:	
LOGGED BY:		APPROVED:	

BORING LOG AB09 09-033 PARCEL G.GPJ AB_CONS.GDT 10/20/09

CLIENT: Morabito Consultants, Inc.

PROJECT: State Center Parcel G

ARCHITECT/ENGINEER:

SITE: Baltimore, Maryland

SURFACE ELEV.:	GRAPHIC LOG	DEPTH (FT)	SAMPLES				TESTS				
			BLOWS/6" N - VALUE RQD	NUMBER	TYPE	IN. RECOVERED IN. DRIVEN	MOISTURE (%)	DRY DENSITY (PCF)	Qu (TSF)	% PASSING #200 SIEVE	REMARKS/ ADDITIONAL DATA
0.5	6" Asphalt										
1.0	6" Gravel Fill										
5.0	Dense to loose reddish brown SILTY FINE SAND (SM) with brick and concrete debris (Fill)	5	13-14-16 N=30	1	SS	10/18 56%	8				
			2-3-5 N=8	2	SS	4/18 22%	10				
	Medium dense brown and tan SILTY FINE SAND (SM) with gravel		5-8-9 N=17	3	SS	18/18 100%	9			29	
		10	10-20-20 N=40	4	SS	5/18 28%	6				
		15	10-11-12 N=23	5	SS	18/18 100%	5				
		20	6-7-10 N=17	6	SS	18/18 100%	3				
22.0	Stiff gray SILTY CLAY (CL)										
26.0	Medium dense brown and tan SILTY FINE SAND (SM) with decomposed rock and quartz fragments		5-6-15 N=21	7	SS	18/18 100%	18				LL = 29 PL = 17 PI = 12
		30	9-11-15 N=26	8	SS	18/18 100%	2				
		35	14-16-30 N=46	9	SS	18/18 100%	3				
		40	8-11-16 N=27	10	SS	18/18 100%	14				
		45	6-12-18 N=30	11	SS	18/18 100%	24				
48.0	Very dense brown and tan GRAVELLY SAND (SP) with quartz fragments		12-50/1"	12	SS	7/18 39%	12				
52.0	Stiff greenish gray SILTY CLAY (CH)										
		55	6-10-12 N=22	13	SS	18/18 100%	35				

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Continued Next Page

BORING LOG AB09 09-033 PARCEL G.GPJ AB CONS.GDT 10/20/09

WATER LEVEL OBSERVATIONS			
WL	▽	40.5	@ Drilling
WL		Dry	@ 0 hr
WL		Dry	@ 24 hr



AB Consultants, Inc.
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 Phone: 301-306-3091
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STARTED:	9/27/09	FINISHED:	9/27/09
DRILL CO.:	Recon	DRILL RIG:	550 ATV
DRILLER:	W. Rodas	ASST DRILLER:	
LOGGED BY:		APPROVED:	

CLIENT: Morabito Consultants, Inc.

PROJECT: State Center Parcel G

ARCHITECT/ENGINEER:

SITE: Baltimore, Maryland

	GRAPHIC LOG	DEPTH (FT)	SAMPLES				TESTS				
			BLOWS/6" N - VALUE RQD	NUMBER	TYPE	IN. RECOVERED IN. DRIVEN	MOISTURE (%)	DRY DENSITY (PCF)	Qu (TSF)	% PASSING #200 SIEVE	REMARKS/ ADDITIONAL DATA
(continued)											
Stiff greenish gray SILTY CLAY (CH) (continued)		60	7-12-16 N=28	14	SS	18/18 100%	41				
62.0											
Dense greenish gray SILTY FINE SAND (SM) with decomposed rock		65	9-15-17 N=32	15	SS	18/18 100%	44				LL = NP PL = NP PI = 0
70.0											
End of Boring @ 70 ft		70	18-26-28 N=54	16	SS	18/18 100%	31				

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BORING LOG AB09_09-033 PARCEL G.GPJ_AB_CONS.GDT_10/20/09

WATER LEVEL OBSERVATIONS			
WL	∇	40.5	@ Drilling
WL		Dry	@ 0 hr
WL		Dry	@ 24 hr



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DRILL CO.:	Recon	DRILL RIG:	550 ATV
DRILLER:	W. Rodas	ASS'T DRILLER:	
LOGGED BY:		APPROVED:	

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SITE: Baltimore, Maryland

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			BLOWS/6" N - VALUE RQD	NUMBER	TYPE	IN. RECOVERED IN. DRIVEN	MOISTURE (%)	DRY DENSITY (PCF)	Qu (TSF)	% PASSING #200 SIEVE		
0.4	5" Asphalt											
0.7	4" Gravel Fill											
	Loose to medium dense reddish brown SILTY FINE SAND (SM) with trace of clay											
6.0	-with asphalt debris and gravel between 1 ft to 3 ft											
8.0	Firm reddish brown FINE SANDY CLAY (CL)											
	Medium dense reddish brown and tan SILTY FINE SAND (SM) with gravel and quartz fragments											
		5	7-5-4 N=9	1	SS	2/18 11%	7					
			3-5-10 N=15	2	SS	18/18 100%	12					
			4-5-7 N=12	3	SS	18/18 100%	16					
		10	6-12-16 N=28	4	SS	18/18 100%	9			20		LL = 31 PL = 11 PI = 20
		15	8-14-16 N=30	5	SS	18/18 100%	9					
18.0	Medium dense to very dense brown and tan GRAVELLY SAND (SP) with quartz fragments											
		20	6-10-12 N=22	6	SS	18/18 100%	2					
		25	21-50/6"	7	SS	12/18 67%	2					
		30	18-29-25 N=54	8	SS	18/18 100%	6					
		35	15-20-27 N=47	9	SS	18/18 100%	15					
		40	19-35-50/4"	10	SS	16/18 89%	10					
		45	13-19-27 N=46	11	SS	18/18 100%	24					
		50	19-22-25 N=47	12	SS	18/18 100%	6					
		55	10-23-43 N=66	13	SS	18/18 100%	19					

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Continued Next Page

WATER LEVEL OBSERVATIONS

WL	▽	40	@ Drilling
WL	▼	33	@ 0 hr
WL	▽	31.5	@ 24 hr



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DRILL CO.:	Recon	DRILL RIG:	550 ATV
DRILLER:	C. Gudiel	ASST DRILLER:	
LOGGED BY:		APPROVED:	

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ARCHITECT/ENGINEER:

SITE: Baltimore, Maryland

DEPTH (FT)	GRAPHIC LOG	SAMPLES				TESTS				REMARKS/ ADDITIONAL DATA
		BLOWS/6" N - VALUE RQD	NUMBER	TYPE	IN. RECOVERED IN. DRIVEN	MOISTURE (%)	DRY DENSITY (PCF)	Qu (TSF)	% PASSING #200 SIEVE	
(continued)										
57.0										
	Very dense to dense light brown and gray FINE SANDY SILT (ML)									
61.0										
	Very dense light gray and tan SILTY FINE SAND (SM) with decomposed rock									
70.0										
	End of Boring @ 70 ft									

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BORING LOG AB09 09-033 PARCEL G.GPJ AB_CONS.GDT 10/20/09

WATER LEVEL OBSERVATIONS			
WL	▽	40	@ Drilling
WL	▼	33	@ 0 hr
WL	▽	31.5	@ 24 hr



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STARTED:	9/26/09	FINISHED:	9/26/09
DRILL CO.:	Recon	DRILL RIG:	550 ATV
DRILLER:	C. Gudiel	ASST DRILLER:	
LOGGED BY:		APPROVED:	

CLIENT: Morabito Consultants, Inc.

PROJECT: State Center Parcel G

ARCHITECT/ENGINEER:

SITE: Baltimore, Maryland

SURFACE ELEV.:	GRAPHIC LOG	DEPTH (FT)	SAMPLES				TESTS					
			BLOWS/6" N - VALUE RQD	NUMBER	TYPE	IN. RECOVERED IN. DRIVEN	MOISTURE (%)	DRY DENSITY (PCF)	Qu (TSF)	% PASSING #200 SIEVE	REMARKS/ ADDITIONAL DATA	
0.5	6" Asphalt											
1.0	6" Gravel Fill											
	Medium dense dark brown SILTY FINE SAND (SM) with brick debris and trace of roots and gravel (Fill)	5	7-10-7 N=17	1	SS	14/18 78%	11					
			11-6-5 N=11	2	SS	8/18 44%	13			46		
			5-8-10 N=18	3	SS	10/18 56%	9					
8.0	Medium dense to dense tan and brown SILTY FINE SAND (SM)	10	5-7-9 N=16	4	SS	18/18 100%	4					
		15	7-9-10 N=19	5	SS	18/18 100%	4					
		20	12-20-26 N=46	6	SS	18/18 100%	7					
	-become very dense below 23 ft	25	15-28-36 N=64	7	SS	18/18 100%	5					
	-with quartz fragments below 28 ft	30	40-50/4"	8	SS	10/18 56%	3					
32.0	Very stiff gray FINE SANDY CLAY (CL) with mica	35	12-16-40 N=56	9	SS	18/18 100%	13					LL = 26 PL = 16 PI = 10
37.0	Medium dense to dense brown and tan GRAVELLY SAND (SP) with quartz framents	40	9-11-20 N=31	10	SS	18/18 100%	25					
		45	4-16-19 N=35	11	SS	18/18 100%	14					
		50	9-16-18 N=34	12	SS	18/18 100%	20					
52.0	Hard light gray SILTY CLAY (CL)	55	16-50/5"	13	SS	11/18 61%	14					

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Continued Next Page

WATER LEVEL OBSERVATIONS

WL	▽	37.5	@ Drilling
WL	▼	38.5	@ 0 hr
WL	▽	37	@ 24 hr



AB Consultants, Inc.
 9450 Annapolis Road
 Lanham, MD 20706
 Phone: 301-306-3091
 Fax: 301-306-3092

STARTED:	9/26/09	FINISHED:	9/26/09
DRILL CO.:	Recon	DRILL RIG:	550 ATV
DRILLER:	W. Rodas	ASST DRILLER:	
LOGGED BY:		APPROVED:	

CLIENT: Morabito Consultants, Inc. PROJECT: State Center Parcel G

ARCHITECT/ENGINEER: SITE: Baltimore, Maryland

DEPTH (FT)	SAMPLES			TESTS				REMARKS/ ADDITIONAL DATA
	BLOWS/6" N - VALUE RQD	NUMBER	TYPE	IN. RECOVERED IN. DRIVEN	MOISTURE (%)	DRY DENSITY (PCF)	Qu (TSF)	
57.0	Very stiff to firm light gray SILTY CLAY (CH)							
60	9-20-30 N=50	14	SS	18/18 100%	42			LL = 64 PL = 16 PI = 48
65	4-6-8 N=14	15	SS	18/18 100%	51			
70.0	8-14-16 N=30	16	SS	18/18 100%	53			
End of Boring @ 70 ft								

DRAFT

BORING LOG AB09_09-033 PARCEL G.GPJ_AB_CONS.GDT_10/20/09

WATER LEVEL OBSERVATIONS

WL	▽	37.5	@ Drilling
WL	▼	38.5	@ 0 hr
WL	▽	37	@ 24 hr



AB Consultants, Inc.
 9450 Annapolis Road
 Lanham, MD 20706
 Phone: 301-306-3091
 Fax: 301-306-3092

STARTED:	9/26/09	FINISHED:	9/26/09
DRILL CO.:	Recon	DRILL RIG:	550 ATV
DRILLER:	W. Rodas	ASST DRILLER:	
LOGGED BY:		APPROVED:	

CLIENT: Morabito Consultants, Inc.

PROJECT: State Center Parcel G

ARCHITECT/ENGINEER:

SITE: Baltimore, Maryland

SURFACE ELEV.:	GRAPHIC LOG	DEPTH (FT)	SAMPLES			TESTS					REMARKS/ ADDITIONAL DATA	
			BLOWS/6" N - VALUE RQD	NUMBER	TYPE	IN. RECOVERED IN. DRIVEN	MOISTURE (%)	DRY DENSITY (PCF)	Qu (TSF)	% PASSING #200 SIEVE		
0.5	6" Asphalt											
0.9	4" Gravel Fill											
	Medium dense to loose greenish brown SILTY FINE SAND (SM) with brick debris gravel and trace of clay (Fill)	5	7-6-5 N=11	1	SS	18/18 100%	10					
6.0			3-2-2 N=4	2	SS	18/18 100%	20					
8.0	Stiff reddish brown SILTY CLAY (CL)		8-8-10 N=18	3	SS	18/18 100%	15					LL = 29 PL = 16 PI = 13
	Dense to medium dense reddish brown and tan SILTY FINE SAND (SM) with gravel	10	15-20-18 N=38	4	SS	18/18 100%	5					
		15	12-13-10 N=23	5	SS	18/18 100%	7					
17.0	Very stiff light gray SILTY CLAY (CL)		13-19-26 N=45	6	SS	18/18 100%	14					LL = 35 PL = 19 PI = 16
22.0	Dense brown and tan SILTY FINE SAND (SM)		11-18-22 N=40	7	SS	18/18 100%	5					
	-become medium dense between 27 ft to 36 ft	25	20-13-12 N=25	8	SS	18/18 100%	3					
		30	4-6-13 N=19	9	SS	18/18 100%	9					
		35	14-21-22 N=43	10	SS	18/18 100%	6					
42.0	Medium dense to very dense brown and tan GRAVELLY SAND (SP) with quartz fragments		6-14-22 N=36	11	SS	18/18 100%	23					
		45	22-50/6"	12	SS	12/18 67%	9				9	
52.0	Very stiff gray and tan SILTY CLAY (CL)		9-18-23 N=41	13	SS	18/18 100%	29					

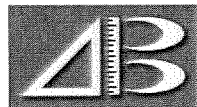
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Continued Next Page

BORING LOG AB09 09-033 PARCEL G.G.P. AB CONS.GDT 10/20/09

WATER LEVEL OBSERVATIONS

WL	∇	42	@ Drilling
WL	∇	42	@ 0 hr
WL	∇	42	@ 24 hr



AB Consultants, Inc.
 9450 Annapolis Road
 Lanham, MD 20706
 Phone: 301-306-3091
 Fax: 301-306-3092

STARTED: 9/26/09	FINISHED: 9/27/09
DRILL CO.: Recon	DRILL RIG: 550 ATV
DRILLER: W. Rodas	ASS'T DRILLER:
LOGGED BY:	APPROVED:

CLIENT: Morabito Consultants, Inc.

PROJECT: State Center Parcel G

ARCHITECT/ENGINEER:

SITE: Baltimore, Maryland

DEPTH (FT)	BLOWS/6" N - VALUE RQD	NUMBER	TYPE	IN. RECOVERED IN. DRIVEN	TESTS			REMARKS/ ADDITIONAL DATA
					MOISTURE (%)	DRY DENSITY (PCF)	Qu (TSF)	
(continued)								
60	15-22-23 N=45	14	SS	18/18 100%	29			
63.0								
65	31-50/4"	15	SS	10/18 56%	18			
70.0								
70	12-30-50/5"	16	SS	17/18 94%	13			
End of Boring @ 70 ft								

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BORING LOG AB09 09-033 PARCEL G.GPJ AB CONS.GDT 10/20/09

WATER LEVEL OBSERVATIONS

WL	▽	42	@ Drilling
WL	▼	42	@ 0 hr
WL	▽	42	@ 24 hr

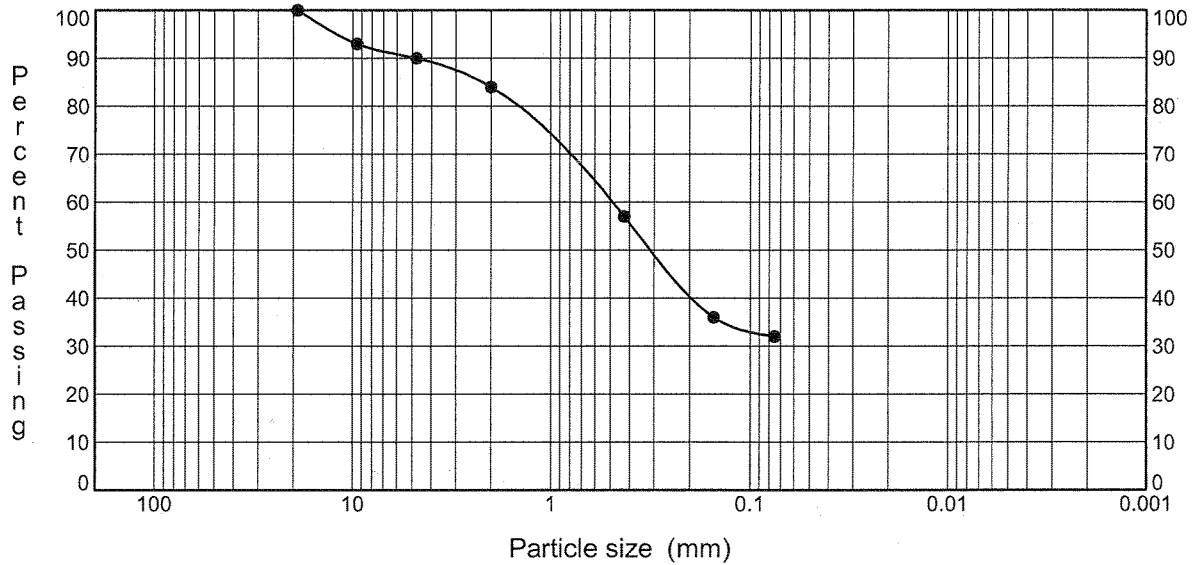


AB Consultants, Inc.
 9450 Annapolis Road
 Lanham, MD 20706
 Phone: 301-306-3091
 Fax: 301-306-3092

STARTED: 9/26/09	FINISHED: 9/27/09
DRILL CO.: Recon	DRILL RIG: 550 ATV
DRILLER: W. Rodas	ASST DRILLER:
LOGGED BY:	APPROVED:

BOREHOLE NO. **B-1**

DEPTH **8.5**

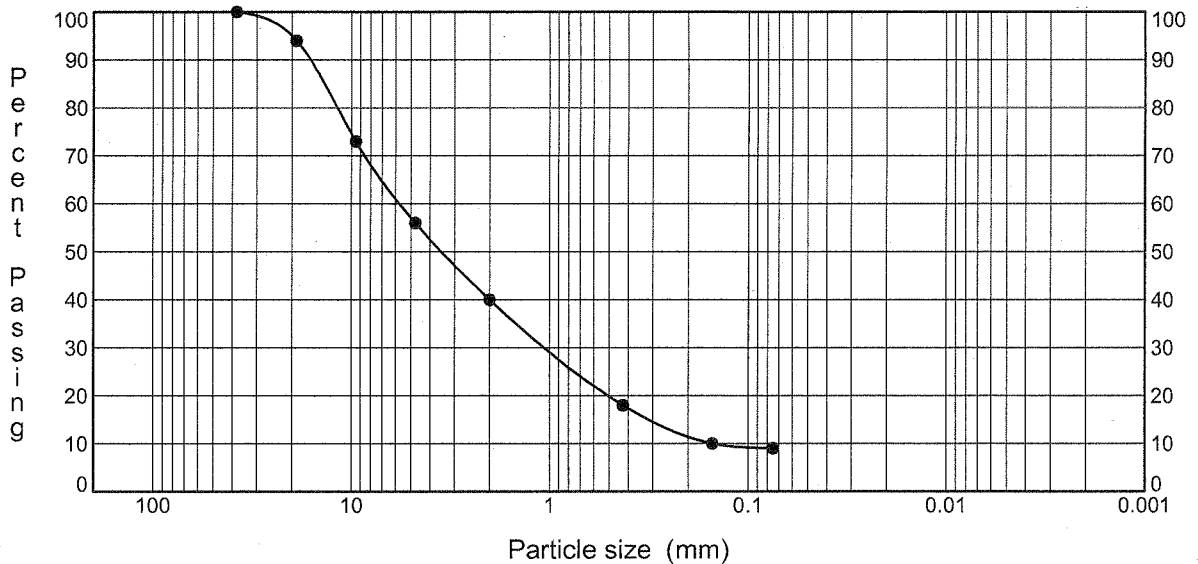


Cobbles	coarse	fine	coarse	medium	fine	Silt	Clay
	Gravel		Sand				

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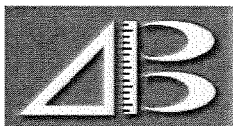
BOREHOLE NO. **B-1**

DEPTH **48.5**



Cobbles	coarse	fine	coarse	medium	fine	Silt	Clay
	Gravel		Sand				

US GSD DOUBLE 09-033 PARCEL G.G.F.J. AB CONS.GDT 10/20/09



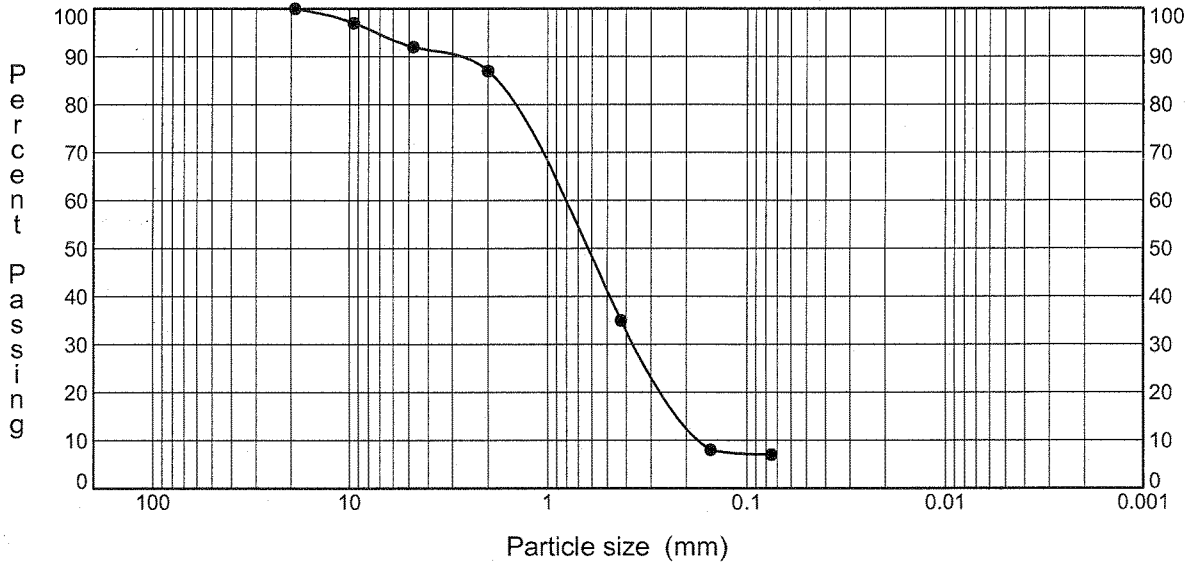
AB Consultants
 9450 Annapolis Rd
 Lanham, MD 20706
 Phone: 301-306-3091
 Fax: 301-306-3092

GRAIN SIZE DISTRIBUTION

CLIENT: Morabito Consultants, Inc.
 PROJECT NO.: 09-033.16
 PROJECT: State Center Parcel G
 SITE:
 Baltimore, Maryland

BOREHOLE NO. **B-2**

DEPTH **23.5**

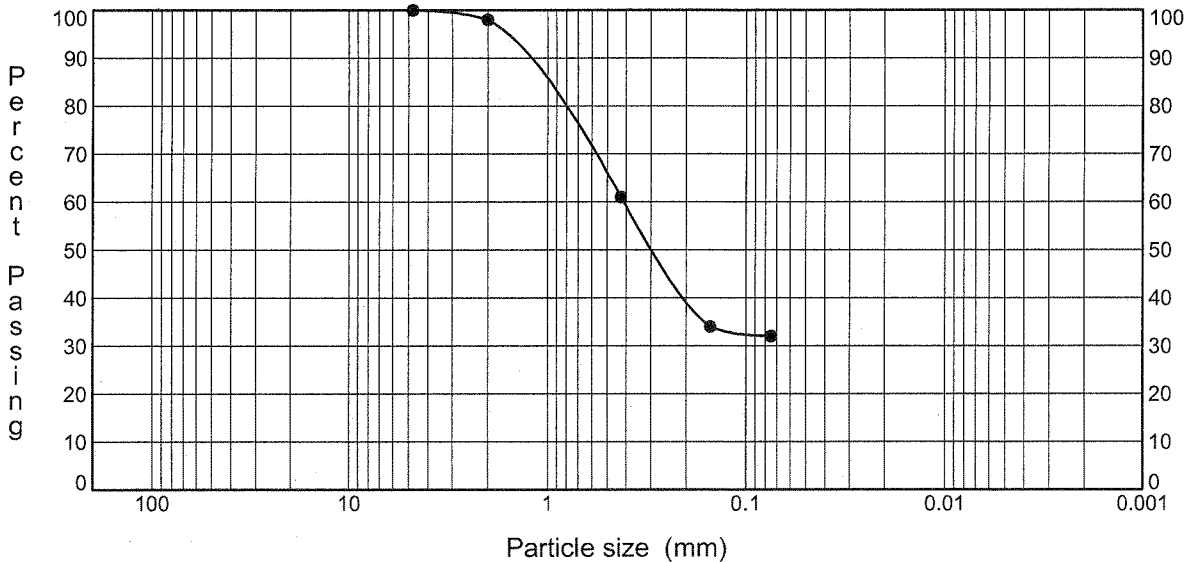


Cobbles	coarse	fine	coarse	medium	fine	Silt	Clay
	Gravel		Sand				

DRAFT

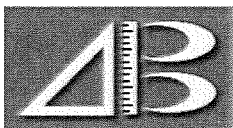
BOREHOLE NO. **B-4**

DEPTH **93.5**



Cobbles	coarse	fine	coarse	medium	fine	Silt	Clay
	Gravel		Sand				

US GSD DOUBLE 09-033 PARCEL G.GPJ AB CONS.GDT 10/20/09



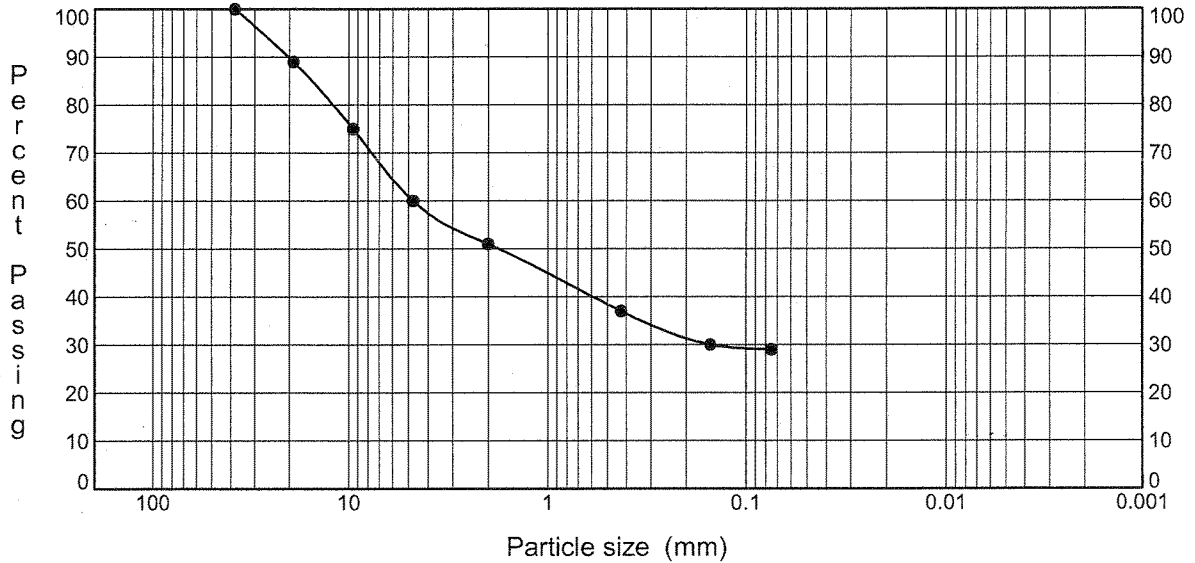
AB Consultants
 9450 Annapolis Rd
 Lanham, MD 20706
 Phone: 301-306-3091
 Fax: 301-306-3092

GRAIN SIZE DISTRIBUTION

CLIENT: Morabito Consultants, Inc.
 PROJECT NO.: 09-033.16
 PROJECT: State Center Parcel G
 SITE:
 Baltimore, Maryland

BOREHOLE NO. **B-5**

DEPTH **8.5**

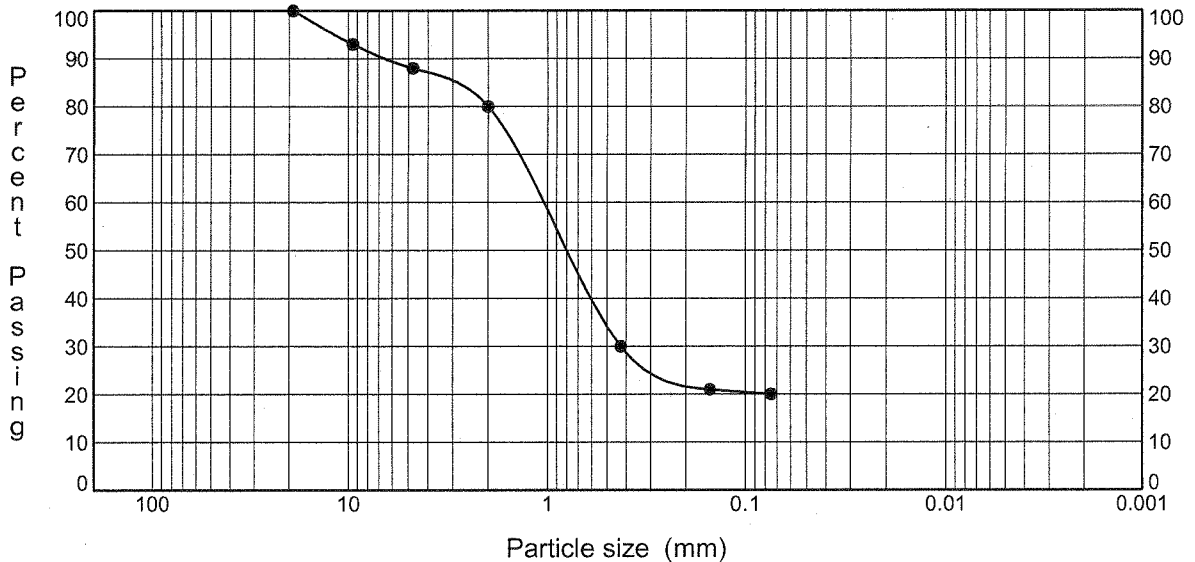


Cobbles	coarse	fine	coarse	medium	fine	Silt	Clay
	Gravel		Sand				

DRAFT

BOREHOLE NO. **B-6**

DEPTH **8.5**



Cobbles	coarse	fine	coarse	medium	fine	Silt	Clay
	Gravel		Sand				

US GSD DOUBLE 09-033 PARCEL G.GPJ AB CONS.GDT 10/20/09



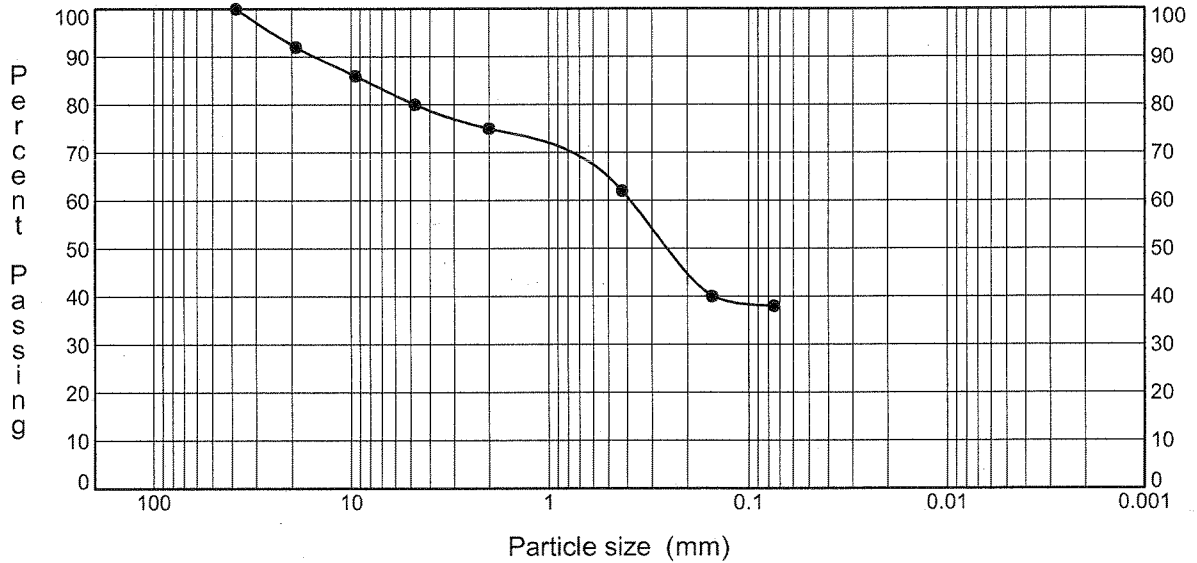
AB Consultants
 9450 Annapolis Rd
 Lanham, MD 20706
 Phone: 301-306-3091
 Fax: 301-306-3092

GRAIN SIZE DISTRIBUTION

CLIENT: Morabito Consultants, Inc.
 PROJECT NO.: 09-033.16
 PROJECT: State Center Parcel G
 SITE:
 Baltimore, Maryland

BOREHOLE NO. B-6

DEPTH 63.5

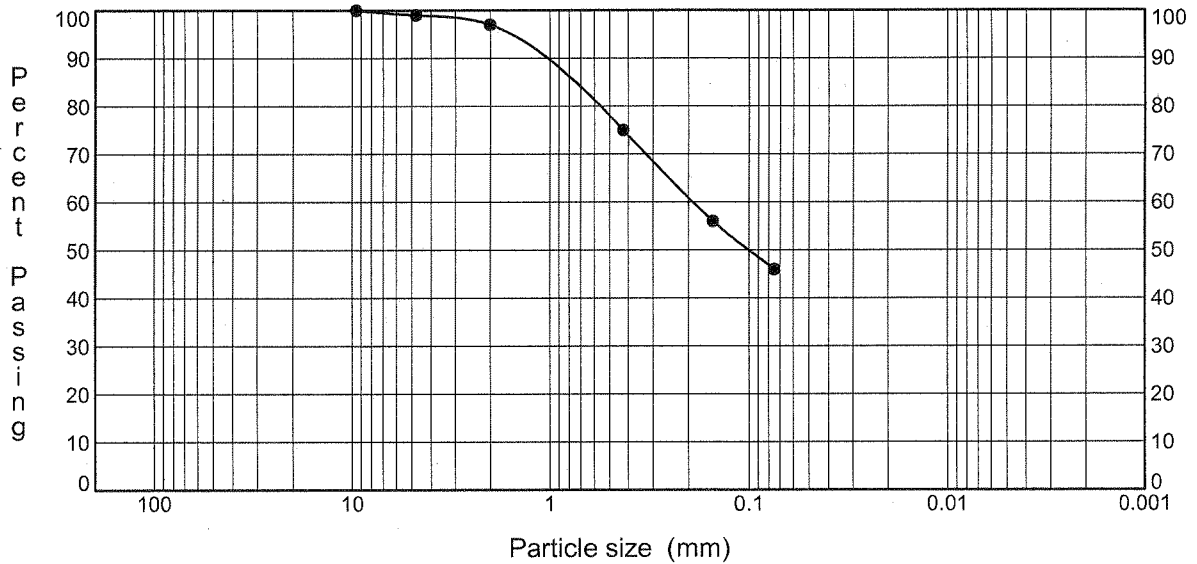


Cobbles	coarse	fine	coarse	medium	fine	Silt	Clay
	Gravel		Sand				

DRAFT

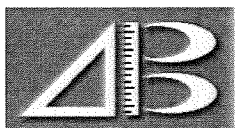
BOREHOLE NO. B-7

DEPTH 3.5



Cobbles	coarse	fine	coarse	medium	fine	Silt	Clay
	Gravel		Sand				

US GSD DOUBLE 09-033 PARCEL G.G.FJ AB CONS.GDT 10/20/09



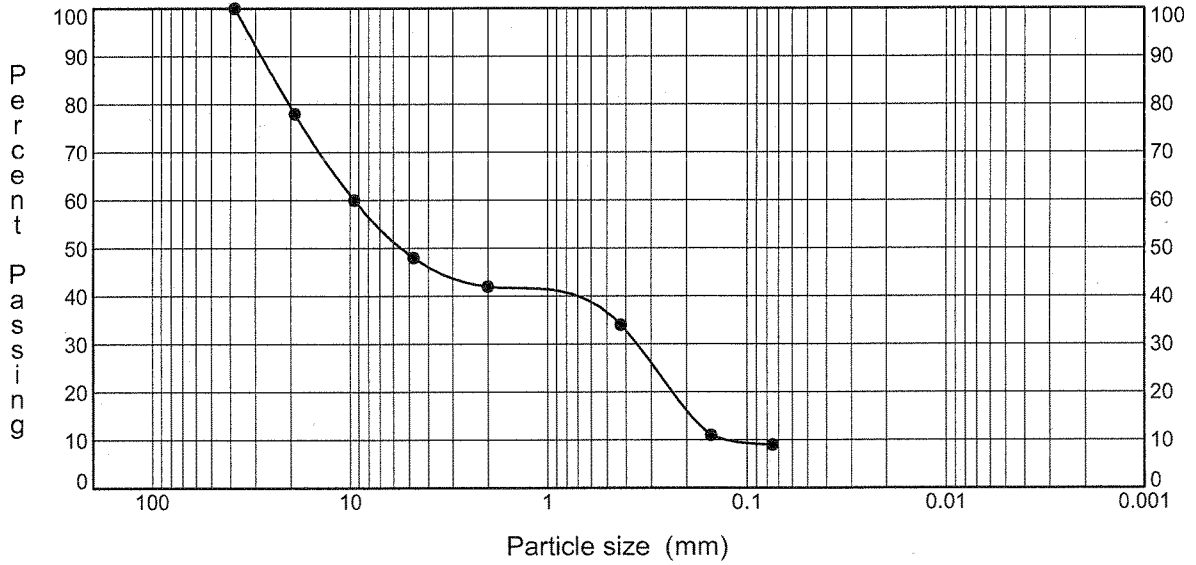
AB Consultants
 9450 Annapolis Rd
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 Phone: 301-306-3091
 Fax: 301-306-3092

GRAIN SIZE DISTRIBUTION

CLIENT: Morabito Consultants, Inc.
 PROJECT NO.: 09-033.16
 PROJECT: State Center Parcel G
 SITE:
 Baltimore, Maryland

BOREHOLE NO. **B-8**

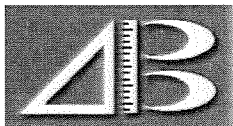
DEPTH **48.5**



Cobbles	coarse	fine	coarse	medium	fine	Silt	Clay
	Gravel		Sand				

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US GSD DOUBLE 09-033 PARCEL G.GPJ AB CONS.GDT 10/20/09



AB Consultants
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Lanham, MD 20706
Phone: 301-306-3091
Fax: 301-306-3092

GRAIN SIZE DISTRIBUTION

CLIENT: Morabito Consultants, Inc.
PROJECT NO.: 09-033.16
PROJECT: State Center Parcel G
SITE:
Baltimore, Maryland