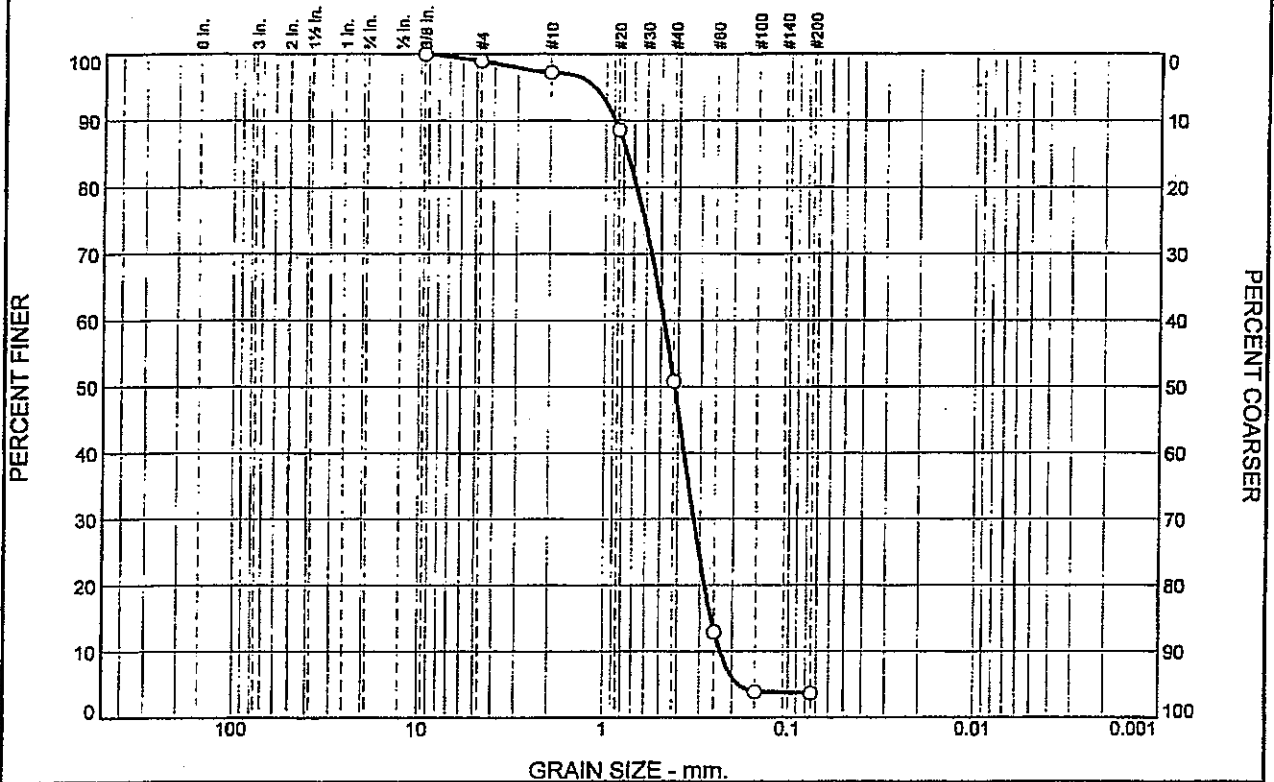


Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	1.0	1.7	46.5	47.1		3.7

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/8	100.0		
#4	99.0		
#10	97.3		
#20	88.7		
#40	50.8		
#60	12.9		
#100	3.9		
#200	3.7		

Material Description

Tan poorly graded sand

Atterberg Limits (ASTM D 4318)

PL= LL= PI=

Classification

USCS= SP AASHTO=

Coefficients

D₈₅= 0.7646 D₆₀= 0.4823 D₅₀= 0.4205
 D₃₀= 0.3263 D₁₅= 0.2605 D₁₀= 0.2327
 C_u= 2.07 C_c= 0.95

Date Tested: 2/12/2008 Tested By: D. Allen

Remarks

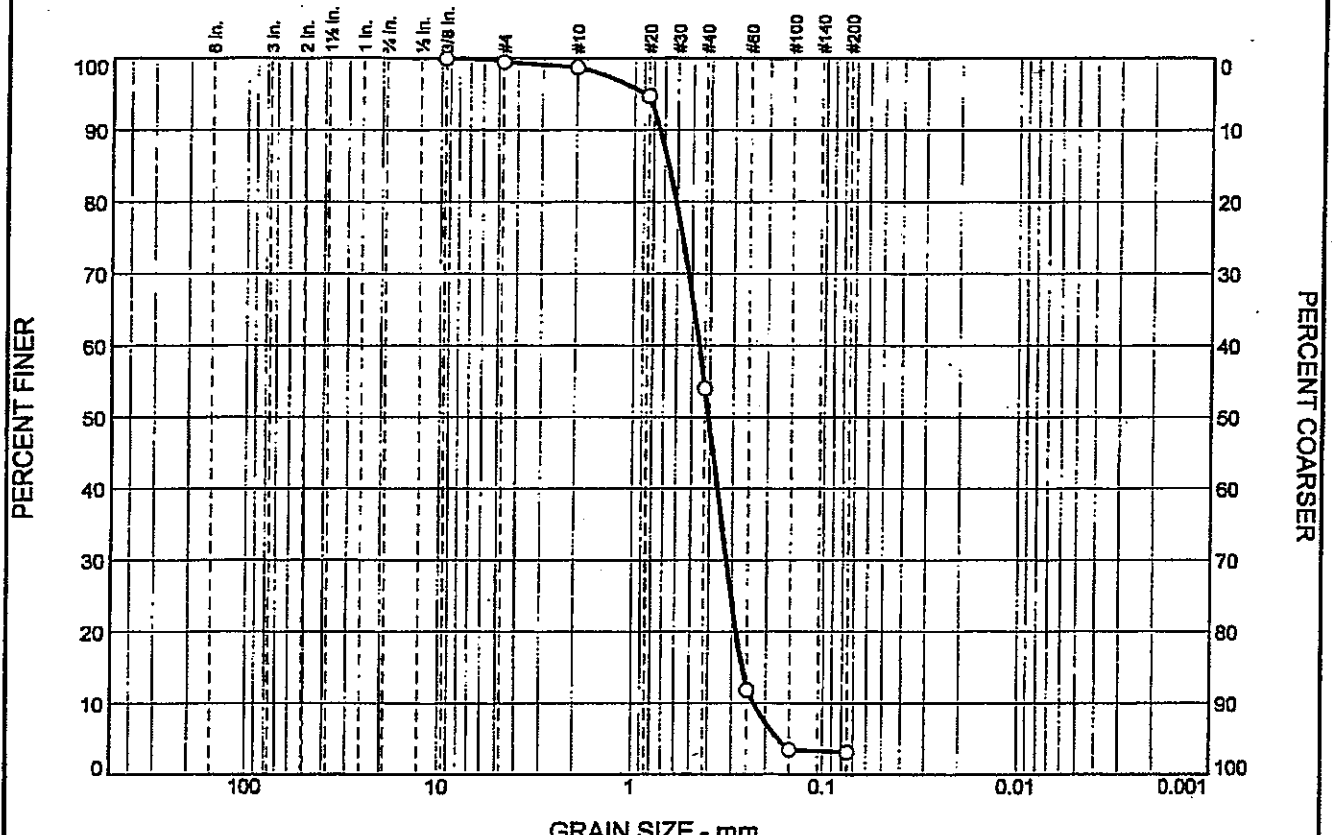
Bulk Density - 103.3 pcf
 Porosity - 0.398
 Specific Gravity - 2.75

* (no specification provided)

Sample No.: PASB23-1500 Source of Sample: Date Sampled: 1/30/2008
 Location: Elev./Depth: Checked By: K. Nordeng Title: Lab Manager

GeoSystems Consultants, Inc. Fort Washington, Pennsylvania	Client: CHEMTECH Consulting Group, Inc. Project: Keyspan Project No: 2008G129 Plate
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Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.5	0.7	44.8	50.8	3.2	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/8	100.0		
#4	99.5		
#10	98.8		
#20	94.8		
#40	54.0		
#60	11.8		
#100	3.5		
#200	3.2		

Material Description

Tan poorly graded sand

Atterberg Limits (ASTM D 4318)

PL= LL= PI=

Classification

USCS= SP AASHTO=

Coefficients

D₈₅= 0.6667 D₆₀= 0.4567 D₅₀= 0.4056
D₃₀= 0.3236 D₁₅= 0.2647 D₁₀= 0.2301
C_u= 1.98 C_c= 1.00

Date Tested: 2/12/2008 Tested By: D. Allen

Remarks

Bulk Density - 104.4 pcf
Porosity - 0.394
Specific Gravity - 2.76

* (no specification provided)

Sample No.: PASB27-15 Source of Sample:
Location:
Checked By: K. Nordeng

Date Sampled: 1/30/2008
Elev./Depth:

Title: Lab Manager

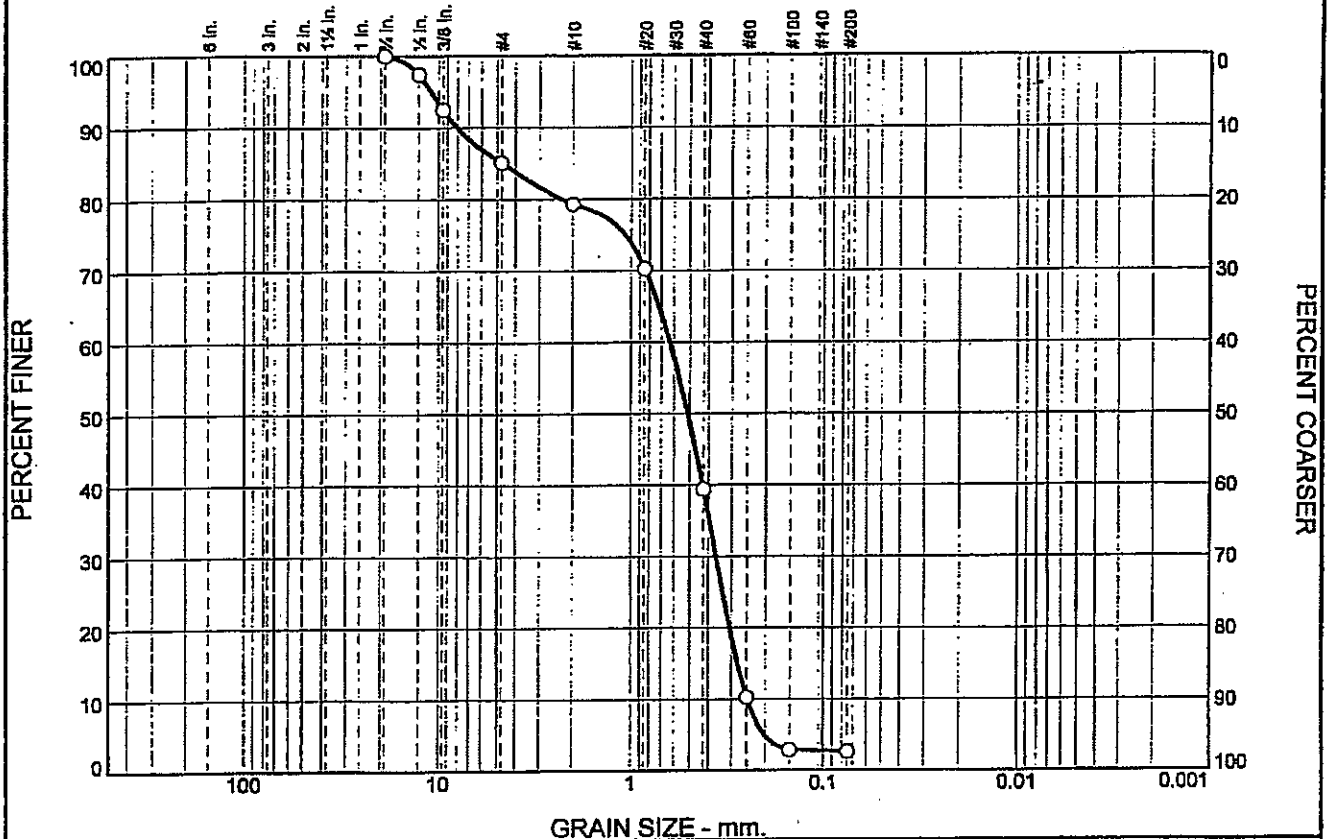
**GeoSystems
Consultants, Inc.**

Fort Washington, Pennsylvania

Client: CHEMTECH Consulting Group, Inc.
Project: Keyspan
Project No: 2008G129

Plate

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	14.9	5.7	40.0	36.7	2.7	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4	100.0		
1/2	97.5		
3/8	92.5		
#4	85.1		
#10	79.4		
#20	70.3		
#40	39.4		
#60	10.3		
#100	2.9		
#200	2.7		

Material Description

Tan poorly graded sand

Atterberg Limits (ASTM D 4318)

PL= LL= PI=

Classification

USCS= SP AASHTO=

Coefficients

D₈₅= 4.6711 D₆₀= 0.6331 D₅₀= 0.5134
 D₃₀= 0.3644 D₁₅= 0.2794 D₁₀= 0.2480
 C_u= 2.55 C_c= 0.85

Date Tested: 2/12/2008 Tested By: D. Allen

Remarks

Bulk Density - 112.7 pcf
 Porosity - 0.338
 Specific Gravity - 2.73

* (no specification provided)

Sample No.: PASB24-03 Source of Sample:
 Location:
 Checked By: K. Nordeng

Date Sampled: 2/1/2008
 Elev./Depth:

Title: Lab Manager

GeoSystems Consultants, Inc. Fort Washington, Pennsylvania	Client: CHEMTECH Consulting Group, Inc. Project: Keyspan Project No: 2008G129
	Plate 296