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LETTER OF TRANSMITTAL

Doughty & Associates, Inc.

362 U.S. Route One

Falmouth, Maine 04105

Date:	25 June 2004	Project No.:	438-05
Attention:	Mr. Phillip Doughty (pdarch@maine.rr.com)		
Re:	New Jetways & Addition to Baggage Claim Laboratory Testing Portland, Maine		

We are sending you attached laboratory test results.

Laboratory No. (s)	Test (s) Performed
7213	Washed Gradation & MD

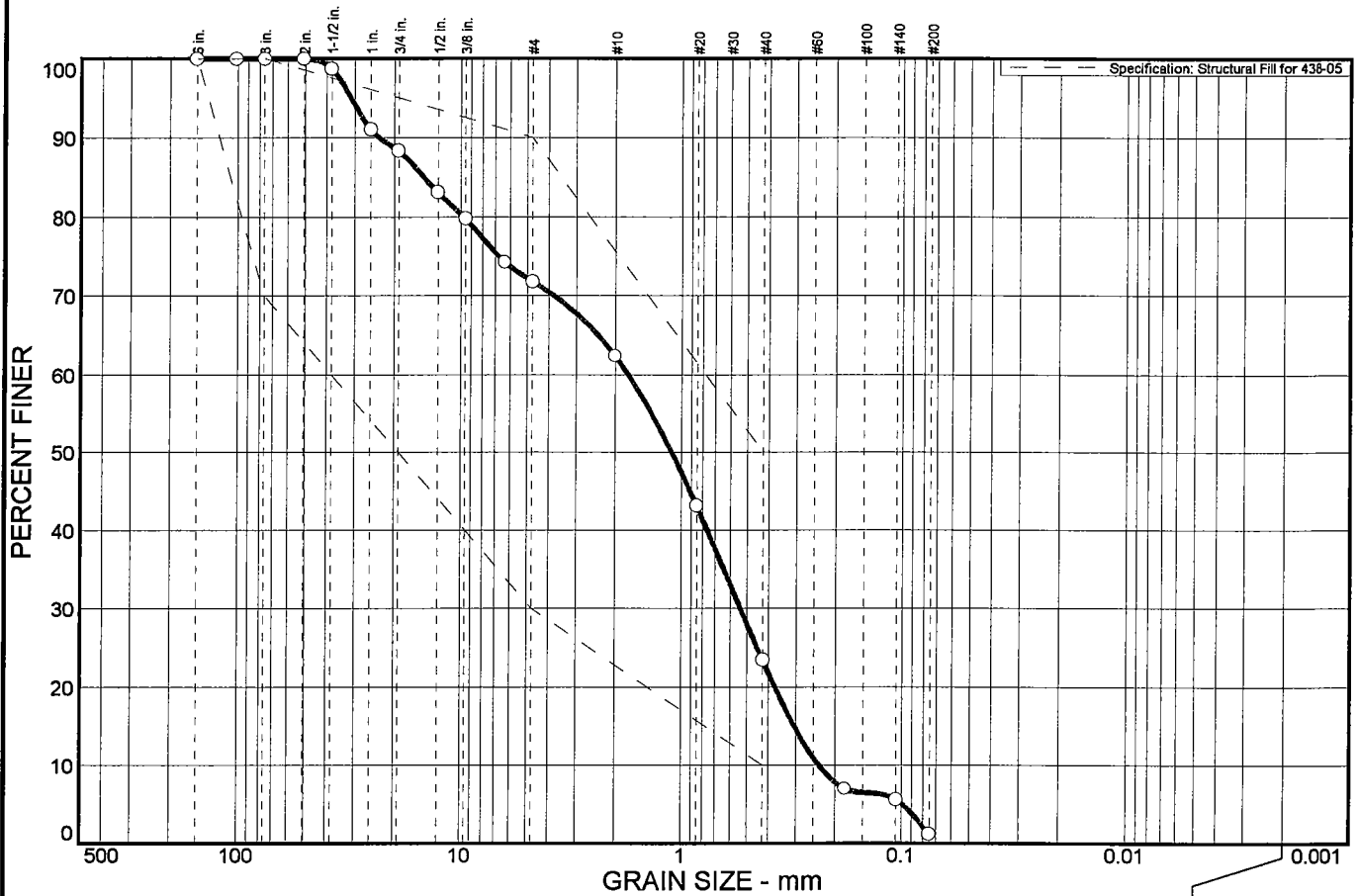
Remarks:

Copy To: Roy Williams (rsw@ci.portland.me.us)

Signed: Suzan A. Bullock

If enclosures are not as noted, kindly notify us at once.

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	11.7	16.5	9.4	39.0	22.2	1.2	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
6 in.	100.0	100 - 100	
4 in.	100.0		
3 in.	100.0	70 - 100	
2 in.	100.0		
1.5 in.	98.7		
1 in.	91.0		
3/4 in.	88.3		
1/2 in.	83.1		
3/8 in.	79.8		
1/4 in.	74.3		
#4	71.8	30 - 90	
#10	62.4		
#20	43.1		
#40	23.4	10 - 50	
#80	7.0		
#140	5.6		
#200	1.2		

Soil Description

Structural fill
Poorly graded sand with gravel

Atterberg Limits

PL= LL= PI=

Coefficients

D₈₅= 14.6 D₆₀= 1.74 D₅₀= 1.11
D₃₀= 0.537 D₁₅= 0.305 D₁₀= 0.236
C_u= 7.39 C_c= 0.70

Classification

USCS= SP AASHTO=

Remarks

Moisture Content 0.4% Tested by MCS
The % passing the #200 sieve is 3.2% of the fraction passing the #4 sieve. The specification requires between 0-8%.

* Structural Fill for 438-05

Sample No.: 7213
Location: Stockpile

Source of Sample: H-Pit, Gorham

Date: 6/16/04
Elev./Depth:

**R.W. Gillespie
&
Associates, Inc.**

Client: Doughty & Associates, Inc.
Project: New Jetways & Addition to Baggage Claim Area @ Jetport
Project No: 438-05 **Sample No.** 7213

GPT

COMPACTION TEST REPORT




Test specification: ASTM D 1557-91 Procedure C Modified
 Oversize correction applied to each point

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > 3/4 in.	% < No.200
	USCS	AASHTO						
	SP		0.40%				11.7	1.2

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 126.2 pcf Optimum moisture = 8.9 %	Structural fill Poorly graded sand with gravel
Project No. 438-05 Client: Doughty & Associates, Inc. Project: New Jetways & Addition to Baggage Claim Area @ Jetport ● Location: Stockpile	Remarks: Tested by MK

COMPACTION TEST REPORT

R.W. Gillespie & Associates, Inc.


 Sample No. 213