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LETTER OF TRANSMITTAL

City of Portland, Portland Int. Jetport

1001 Westbrook Street

Portland, Maine 04102

Date:	05 May 2011	Project No.:	557-14
Attention:	Mr. Cuyler Feagles (cmf@portlandmaine.gov)		
Re:	Laboratory Testing Terminal Enhancement, Portland Int. Jetport Portland, Maine		

We are sending you attached laboratory test results.

Laboratory No. (s)

11748

Test (s) Performed

Particle Size Distribution & MD

Remarks:

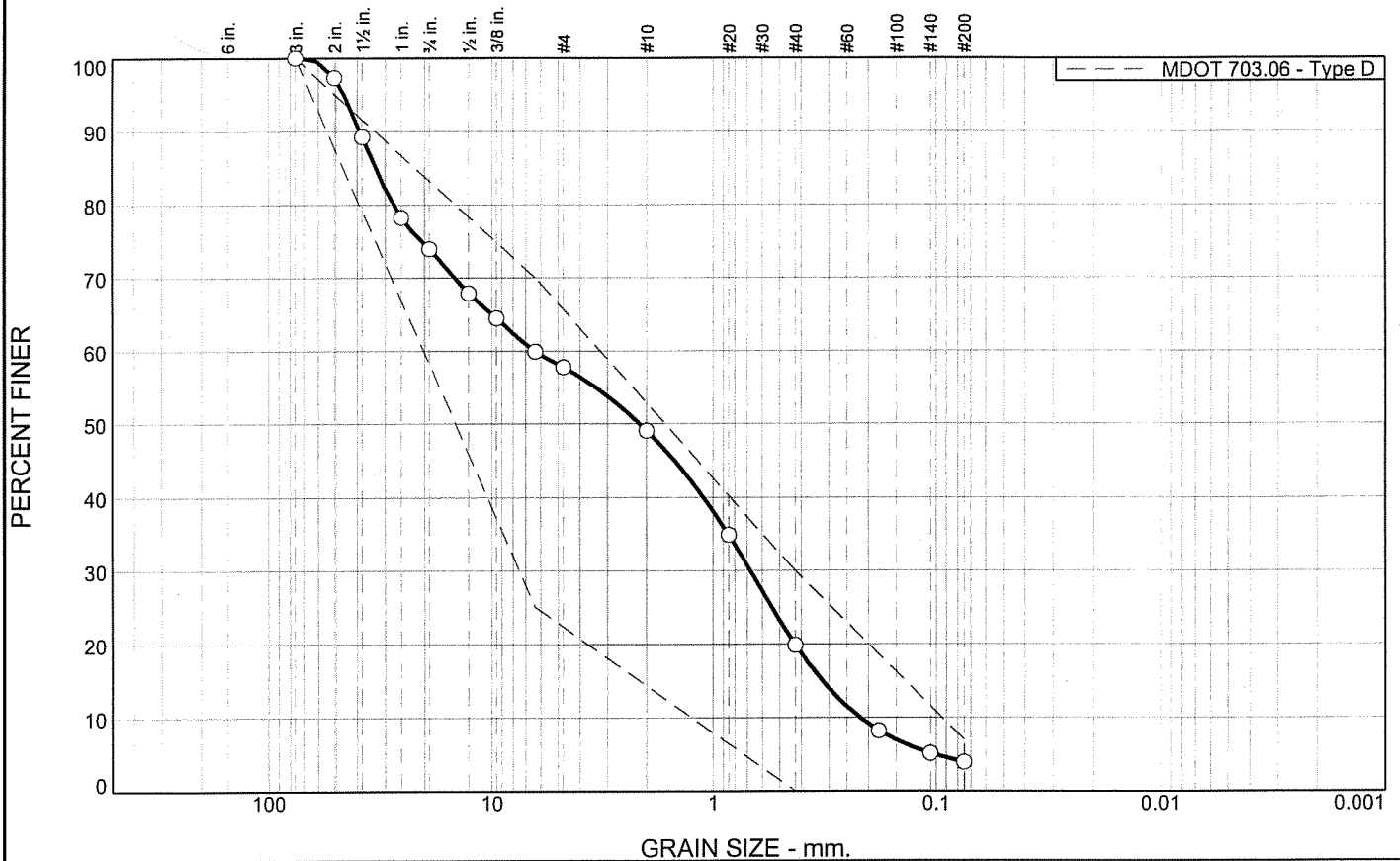
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Signed: Katrina Newton

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

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	26.1	16.1	8.7	29.2	16.0	3.9	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3"	100.0	100.0 - 100.0	
2"	97.3		
1 1/2"	89.3		
1"	78.3		
3/4"	73.9		
1/2"	67.9		
3/8"	64.5	25.0 - 70.0	
1/4"	59.9		
#4	57.8		
#10	49.1		
#20	34.9		
#40	19.9	0.0 - 30.0	
#80	8.2		
#140	5.1		
#200	3.9	0.0 - 7.0	

Soil Description

Subbase Gravel - poorly graded sand with gravel

Atterberg Limits

PL= LL= PI=

Coefficients

D₈₅= 33.1914 D₆₀= 6.4089 D₅₀= 2.1490
D₃₀= 0.6780 D₁₅= 0.3217 D₁₀= 0.2184
C_u= 29.34 C_c= 0.33

Classification

USCS= SP AASHTO=

Remarks

Moisture Content: 3.8%
100% passing the 6" screen and 95.1% passing the 3" screen based on the entire sample.

* MDOT 703.06 - Type D

Sample No.: 11748
Location:

Source of Sample: Phinney Pit

Date: 5/4/2011
Elev./Depth:

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

Client: City of Portland
Project: Terminal Enhancement at the Portland Int. Jetport

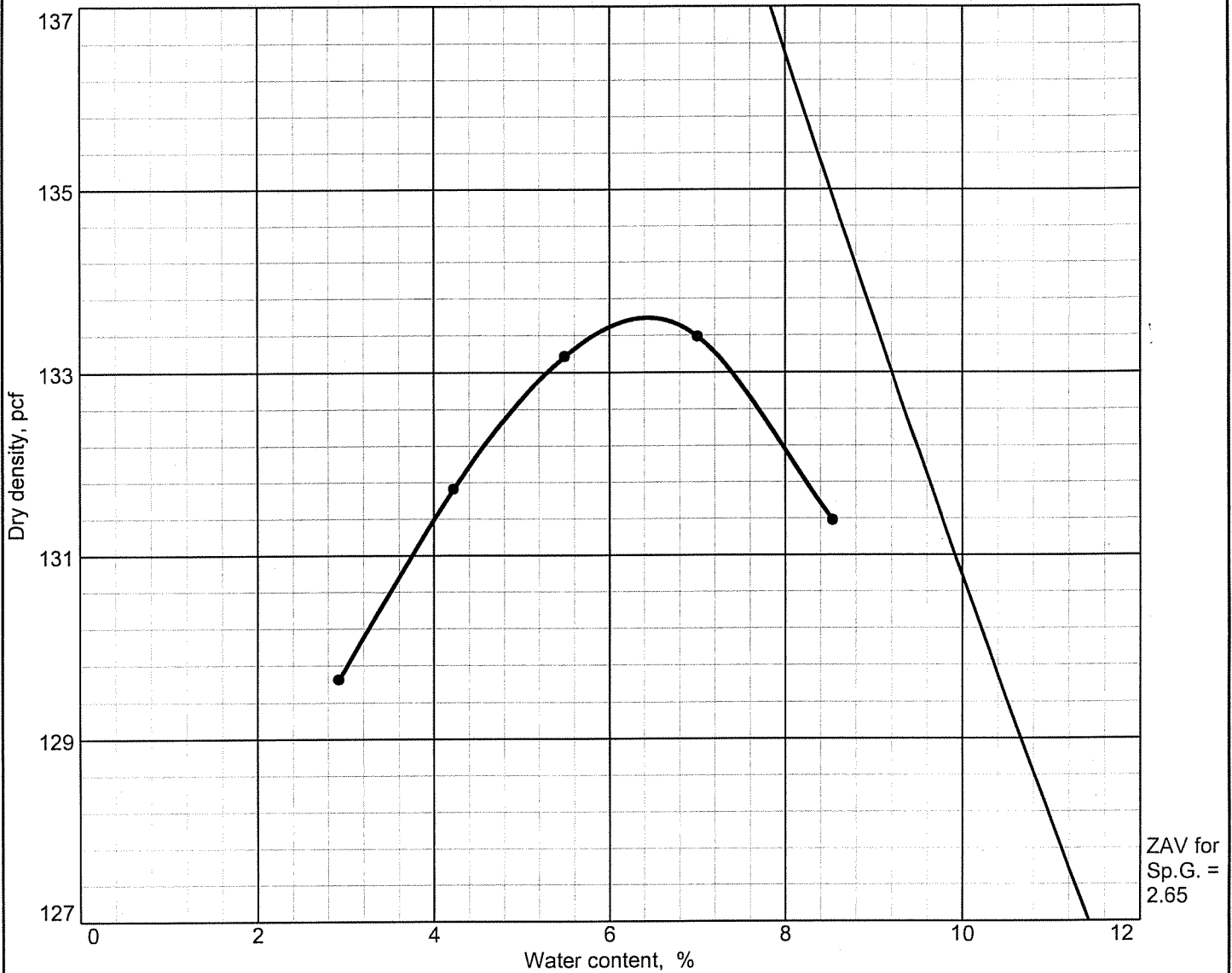
Project No: 557-14

Lab No. 11748

Tested By: JJH

Checked By: MTG

Moisture-Density Test Report



ZAV for
Sp.G. =
2.65

Test specification: ASTM D 1557-09 Method 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						26.1	3.9

ROCK CORRECTED TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 133.6 pcf Optimum moisture = 6.4 %	Subbase Gravel - poorly graded sand with gravel

Project No. 557-14 Client: City of Portland Project: Terminal Enhancement at the Portland Int. Jetport Source: Phinney Pit Sample No.: 11748	Remarks: Tested By: JJH
R.W. Gillespie & Associates, Inc. Saco, Maine	Lab No. 11748 <i>MG</i>