R. W. Gillespie & Associates, Inc.

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LETTER OF TRANSMITTAL

Date:	Project No.:
September 7, 2010	557-14

Attention: Mr. Cuyler Feagles (cmf@portlandmaine.gov)

Re: Laboratory Testing
Terminal Enhancement, Portland Int. Jetport
Portland, Maine

City of Portland, Portand Int. Jetport

1001 Westbrook Street

Portland, Maine 04102

We are sending you attached laboratory test results.

Laboratory No. (s)	Test (s) Performed
11455	Asphalt Core Results
11489*	Washed Gradation & MD

Remarks:
11489 NOTE: Material was installed, but then removed.

Copy To: Roy Williams: rsw@portlandmaine.gov
Jim Stanislaski: jim_stanislaski@gensler.com
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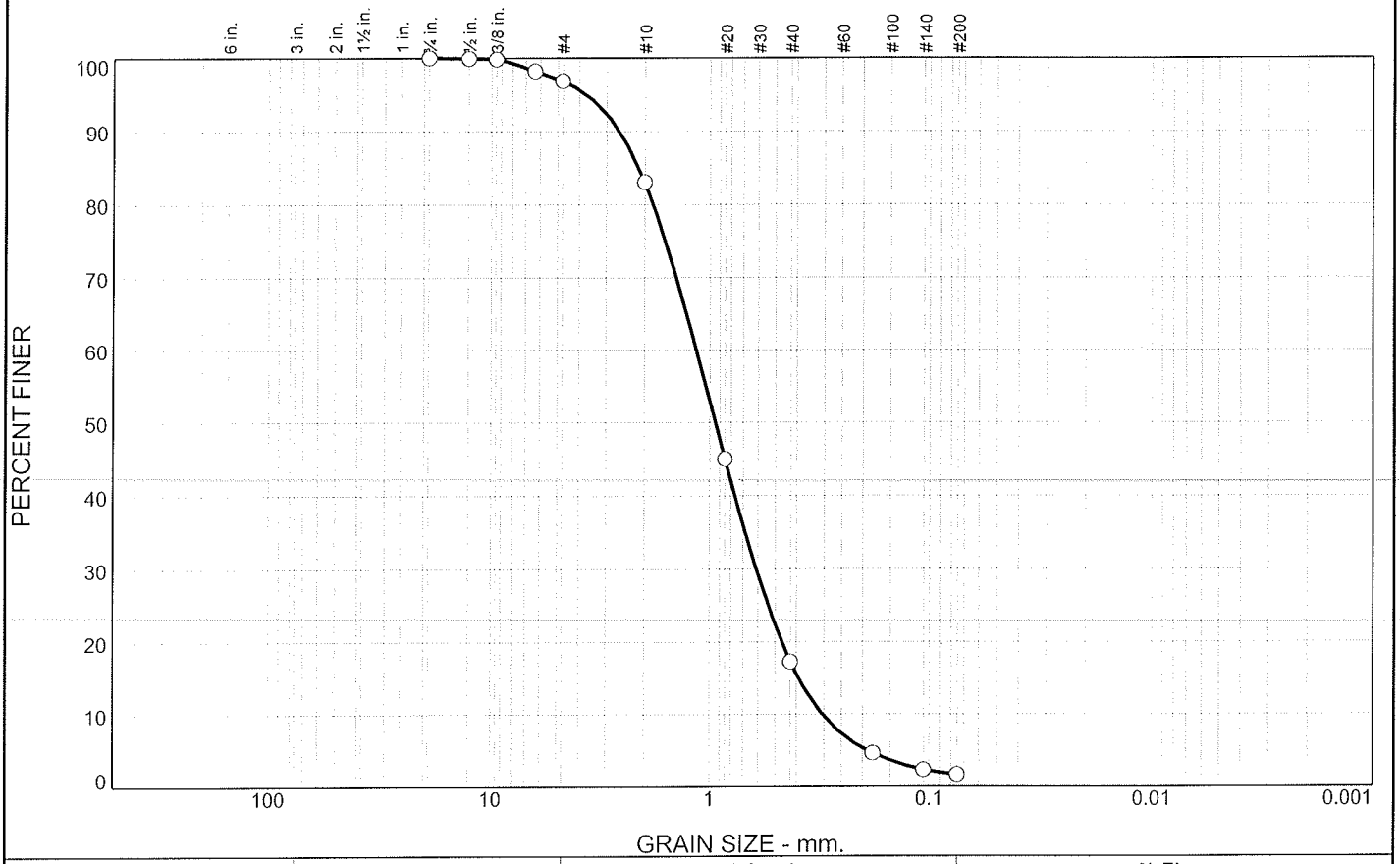
Signed: Suzan A. Michaud

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	0.0	3.2	13.7	65.8	15.6	1.7	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4"	100.0		
1/2"	99.9		
3/8"	99.8		
1/4"	98.2		
#4	96.8		
#10	83.1		
#20	45.0		
#40	17.3		
#80	4.6		
#140	2.3		
#200	1.7		

* (no specification provided)

Soil Description

Drainage Sand - poorly graded sand

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 2.1293 D_{60}= 1.1546 D_{50}= 0.9412
D_{30}= 0.6090 D_{15}= 0.3902 D_{10}= 0.3047
C_u= 3.79 C_c= 1.05

Classification

USCS= SP AASHTO=

Remarks

Moisture Content: 1.7%

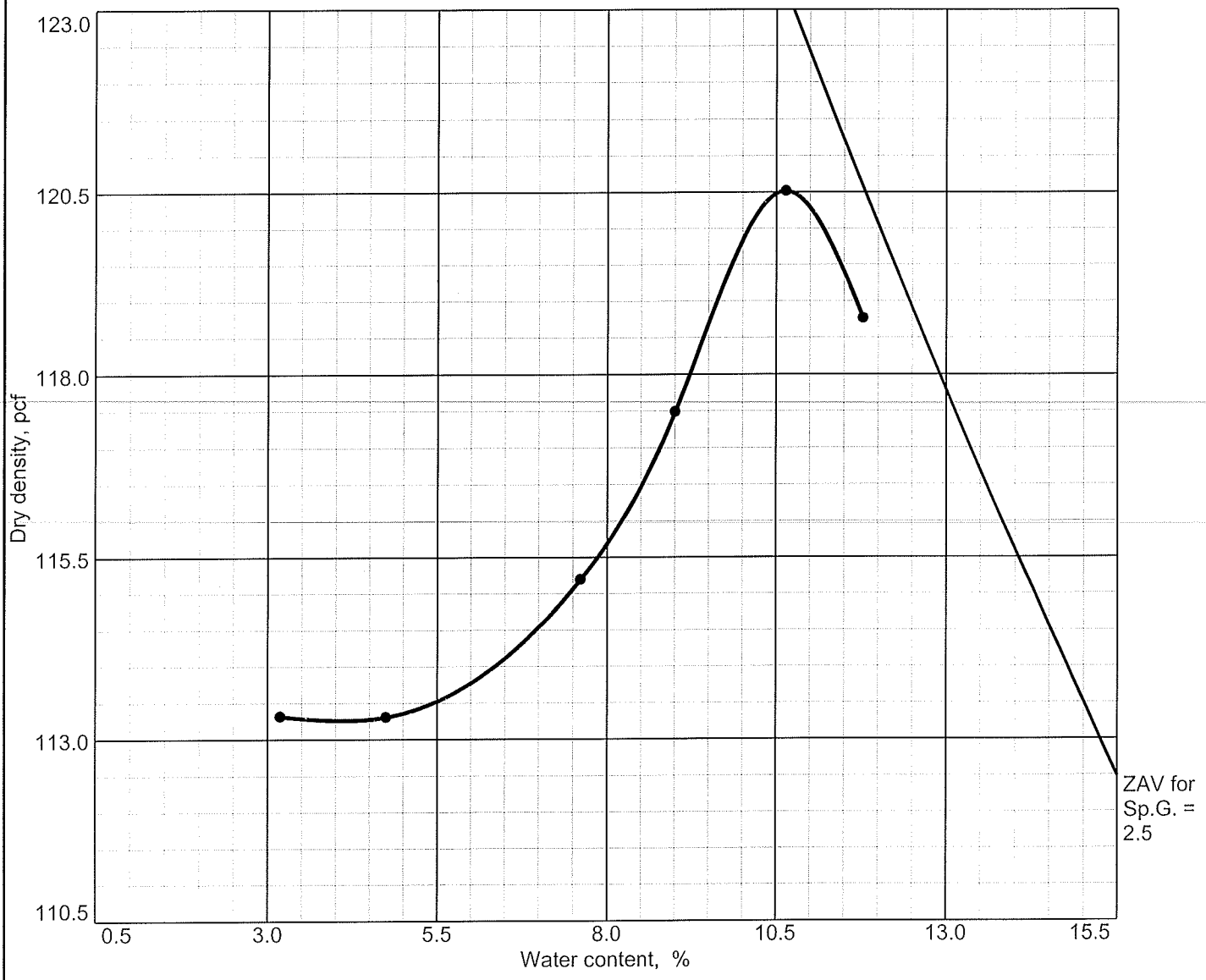
Sample No.: 11455 **Source of Sample:** Mighty Street Pit **Date:** 8/26/10
Location: Stockpile **Elev./Depth:**

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.** 11455

Tested By: RRC **Checked By:** MTG MTG

Moisture - Density Test Report



Test specification: ASTM D 1557-02 Method A Modified
Oversize correction applied to each point

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > No.4	% < No.200
	USCS	AASHTO						
	SP		1.7%				3.2	1.7

ROCK CORRECTED TEST RESULTS

Maximum dry density = 120.5 pcf

Optimum moisture = 10.6 %

MATERIAL DESCRIPTION

Drainage Sand - poorly graded sand

Project No. 557-14 **Client:** City of Portland

Project: Terminal Enhancement at the Portland Int. Jetport

● **Location:** Stockpile

R.W. Gillespie & Associates, Inc.

Saco, Maine

Remarks:

Tested By: DR

Lab No. 11455

Asphalt Core Results

Project:	Terminal Enhancement
Project No:	557-14
Date Paved:	8/272010
Date Cut:	August 30, 2010
Date Tested:	August 31, 2010

Lab No.:	11489
Mix Type:	19 mm Binder (Mix #491)
Supplier:	Pike Ind.
Tested by:	MCS
Cores Cut by:	MJK

Theoretical Maximum Density (G_{mm}): 2.511

Core Number	Location	Bulk Specific Gravity (G_{mb})	Density (pcf)	Percent Compaction (G_{mb}/G_{mm}) x 100	Thickness (inches)
C-1	Parking Lot - See Sketch	2.394	149.4	95%	2 1/8"
C-2	Parking Lot - See Sketch	2.349	146.6	94%	1 5/8"
C-3	Parking Lot - See Sketch	2.412	150.5	96%	2"

Notes: Minimum required thickness is 2" plus or minus 1/2" for parking lots. Density requirement = 90% to 96% of TMD. Cores meet specification.requirements. TMD value privided by Pike Industries.

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MTE