

R. W. Gillespie & Associates, Inc.

86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008  
200 Int'l Drive, Suite 170, Portsmouth, NH 03801 603-427-0244

LETTER OF TRANSMITTAL

City of Portland, Portland Int. Jetport  
1001 Westbrook Street  
Portland, Maine 04102

Date:	15 August 2011	Project No.:	0557-014-02
Attention:	Mr. Cuyler Feagles (cmf@portlandmaine.gov)		
Re:	In-Place Density Testing Terminal Enhancement, Portland Int. Jetport Portland, Maine		

We are sending you attached In-Place Density Test Results.

Date(s) Performed:

August 10 and 11, 2011

Test (s) Performed

In-Place Density Testing - Nuclear Method ASTM D2922

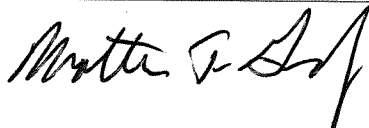
- Meets Specification
- Selected Tests Do Not Meet Specification - Noted with an \*

Note: Materials descriptions and maximum laboratory dry density values were transmitted under separate cover and are referenced in the attached summaries by the material number.

Remarks:

LOW DENSITY TEST #7 ON 8/11/11 WAS RETESTED & MET SPECIFICATION. EMBANKMENT FILL & SUBBASE MATERIAL WAS COMPACTED IN GENERAL ACCORDANCE WITH PROJECT SPECIFICATIONS.

Copy To:  
Roy Williams: rsw@portlandmaine.gov  
Aurthur Laferriere: apl@portlandmaine.gov  
Timothy Michaud: timothy.michaud@amec.com  
Adam St.Michel: astmichel@shawbrothers.com

Signed: 

SUMMARY OF IN-PLACE DENSITIES - ASTM D6938  
 TERMINAL ENHANCEMENT AT THE PORTLAND INTERNATIONAL JETPORT  
 PORTLAND, MAINE  
 RWG&A PROJECT NO. 0557-014

Page 1 of 1

Client: City of Portland  
 Test Date: August 10, 2011  
 Technician: Matt O'Connor  
 Gauge Model/Serial Number: 21059

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11984	Granular Borrow	122.0	10
11985	Type D Gravel	138.7	5

Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	Corner of Skyway Drive/Northbound Spur +75' WSW	73'	115.6	5	95	11984
2	Corner of Skyway Drive/Northbound Spur +50' WSW	73'	117.2	6	96	11984
3	Corner of Skyway Drive/Northbound Spur +65' WSW	73.5'	113.1	6	93	11984
4	Corner of Skyway Drive/Northbound Spur +40' WSW	74'	112.8	4	93	11984
5	Corner of Skyway Drive/Northbound Spur +75' WSW	74.2'	114.6	3	94	11984
6	Corner of Skyway Drive/Northbound Spur +25' W	FG -2'	113.3	3	93	11984
7	Corner of Skyway Drive/Northbound Spur +70' SW	70.7'	114.8	5	94	11984
8	Corner of Skyway Drive/Northbound Spur +60' SW	71.5'	115.7	3	95	11984
9	Corner of Skyway Drive/Northbound Spur +65' WSW	75'	112.2	3	92	11984
10	Corner of Skyway Drive/Northbound Spur +40' WSW	74.7'	112.4	3	92	11984
11	Corner of Skyway Drive/Northbound Spur +50' W	FG -4.5'	113.5	4	93	11984
12	Corner of Skyway Drive/Northbound Spur +100' W	FG -3.5'	117.1	4	96	11984
13	Corner of Skyway Drive/Northbound Spur +30' W	FG -3'	113.0	3	93	11984
14	Corner of Skyway Drive/Northbound Spur +30' W	FG -2.5'	131.7	4	95	11985
15	Corner of Skyway Drive/Northbound Spur +28' W	FG -2.5'	136.0	4	98	11985

Remarks: Tests 1 to 13 require 92% of maximum density; Tests 14 and 15 require 95% of maximum density.

FG = Finish Grade  
 FF = Finish Floor  
 FGB = Finish Grade of Base  
 FGSB = Finish Grade of Subbase  
 FGSG = Finish Grade of Subgrade

TOW = Top of Foundation Wall  
 BOF = Bottom of Footing

Checked by: *Mette J. J.*

R. W. Gillespie Associates, Inc.  
 Corporate Office 86 Industrial Park Road, Ste. 4, Saco, ME 04072  
 Branch Office 200 International Drive, Ste. 170, Portsmouth, NH 03801

N/F  
TEMPLE BETH EL.  
TAX MAP 214, LOT 1

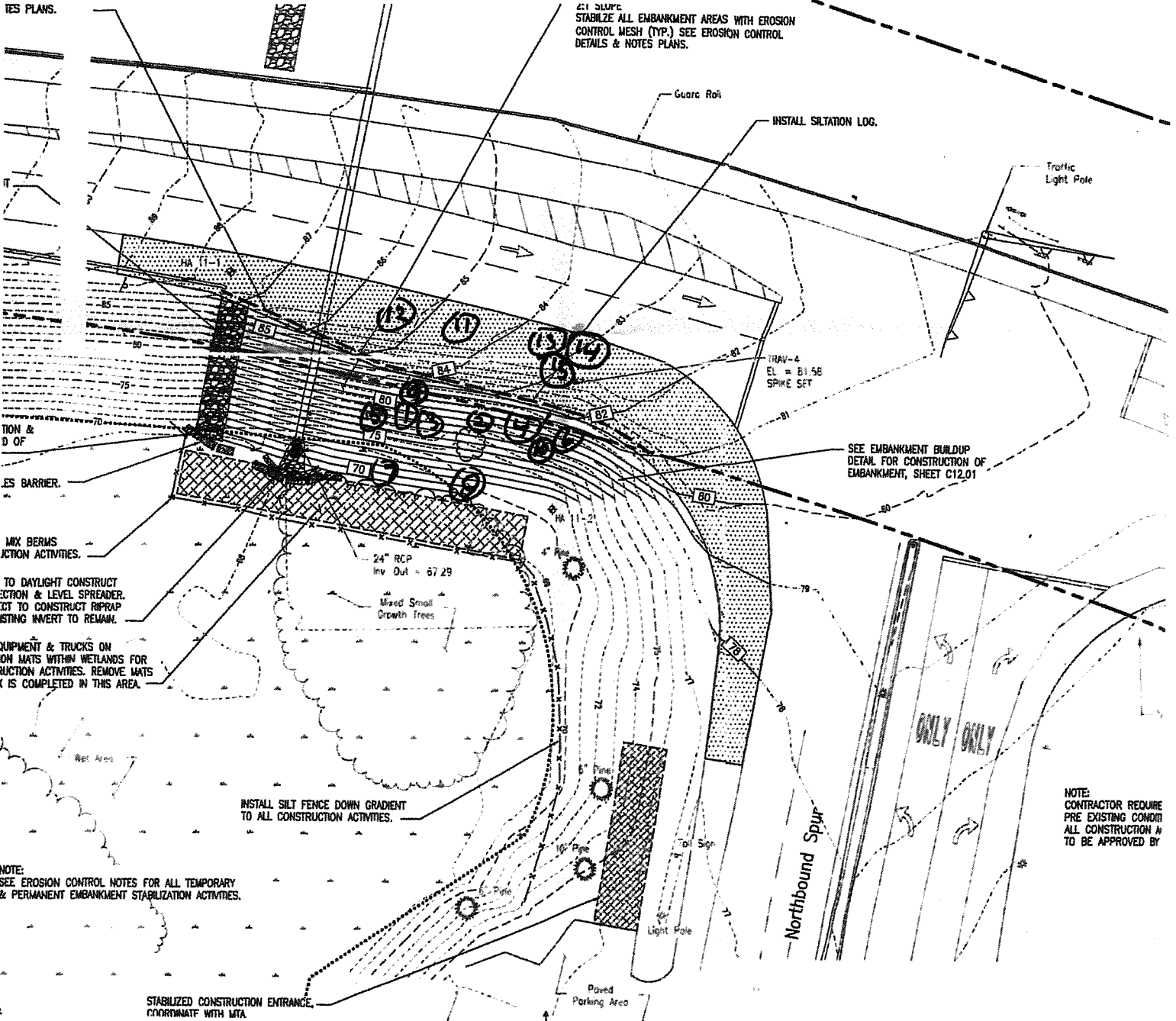


**Project: Terminal Enhancement – Portland International Jetport  
Johnson Rd./Turnpike Connector Northbound Ramp Improvements**

Project No.: 557-14-02

Date: 9/10/11

Technologist: MAD



SEE PLANS.

2:1 SLOPE  
STABILIZE ALL EMBANKMENT AREAS WITH EROSION  
CONTROL MESH (TYP.) SEE EROSION CONTROL  
DETAILS & NOTES PLANS.

Guard Rail

INSTALL SILTATION LOG.

Traffic  
Light Pole

TRAV-2  
EL = 81.58  
SPIKE SET

SEE EMBANKMENT BUILDUP  
DETAIL FOR CONSTRUCTION OF  
EMBANKMENT, SHEET C12.01

SECTION &  
D OF

ES BARRIER.

MIX BERMS  
ACTION ACTIVITIES.

TO DAYLIGHT CONSTRUCT  
SECTION & LEVEL SPREADER.  
IT TO CONSTRUCT RIPRAP  
EXISTING INVERT TO REMAIN.

EQUIPMENT & TRUCKS ON  
MATS WITHIN WETLANDS FOR  
CONSTRUCTION ACTIVITIES. REMOVE MATS  
(IF COMPLETED IN THIS AREA)

INSTALL SILT FENCE DOWN GRADIENT  
TO ALL CONSTRUCTION ACTIVITIES.

NOTE:  
SEE EROSION CONTROL NOTES FOR ALL TEMPORARY  
& PERMANENT EMBANKMENT STABILIZATION ACTIVITIES.

STABILIZED CONSTRUCTION ENTRANCE,  
COORDINATE WITH LTA.

Paved  
Parking Area

Northbound Spur

ONLY ONLY

NOTE:  
CONTRACTOR REQUIRE  
PRE EXISTING COND  
ALL CONSTRUCTION N  
TO BE APPROVED BY

SUMMARY OF IN-PLACE DENSITIES - ASTM D6938  
 TERMINAL ENHANCEMENT AT THE PORTLAND INTERNATIONAL AIRPORT  
 PORTLAND, MAINE  
 RWG&A PROJECT NO. 0557-014

Client: City of Portland  
 Test Date: August 11, 2011  
 Technician: Matt O'Connor  
 Gauge Model/Serial Number: 21059

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2	Corner of Skyway Drive/Northbound Spur +40' WSW	75.5'	114.4	3	94	11984
3	Corner of Skyway Drive/Northbound Spur +80' WSW	76'	114.1	5	94	11984
4	Corner of Skyway Drive/Northbound Spur +45' WSW	76'	113.9	4	93	11984
5	Corner of Skyway Drive/Northbound Spur +100' WSW	76.7'	113.6	4	93	11984
6	Corner of Skyway Drive/Northbound Spur +35' WSW	76.7'	113.2	3	93	11984
7	Corner of Skyway Drive/Northbound Spur +85' WSW	77.5'	110.4	2	91*	11984
8	Corner of Skyway Drive/Northbound Spur +30' WSW	77.5'	111.7	2	92	11984
9	Retest of Test No. 7	77.5'	112.4	3	92	11984
10	Corner of Skyway Drive/Northbound Spur +90' WSW	78'	113.8	2	93	11984
11	Corner of Skyway Drive/Northbound Spur +40' WSW	78'	114.7	3	94	11984

Remarks: \* indicates test is below 92% of maximum density. Test No. 9 is a retest of Test No. 7 and resolves low density. Tests meet 92% of maximum density requirement.

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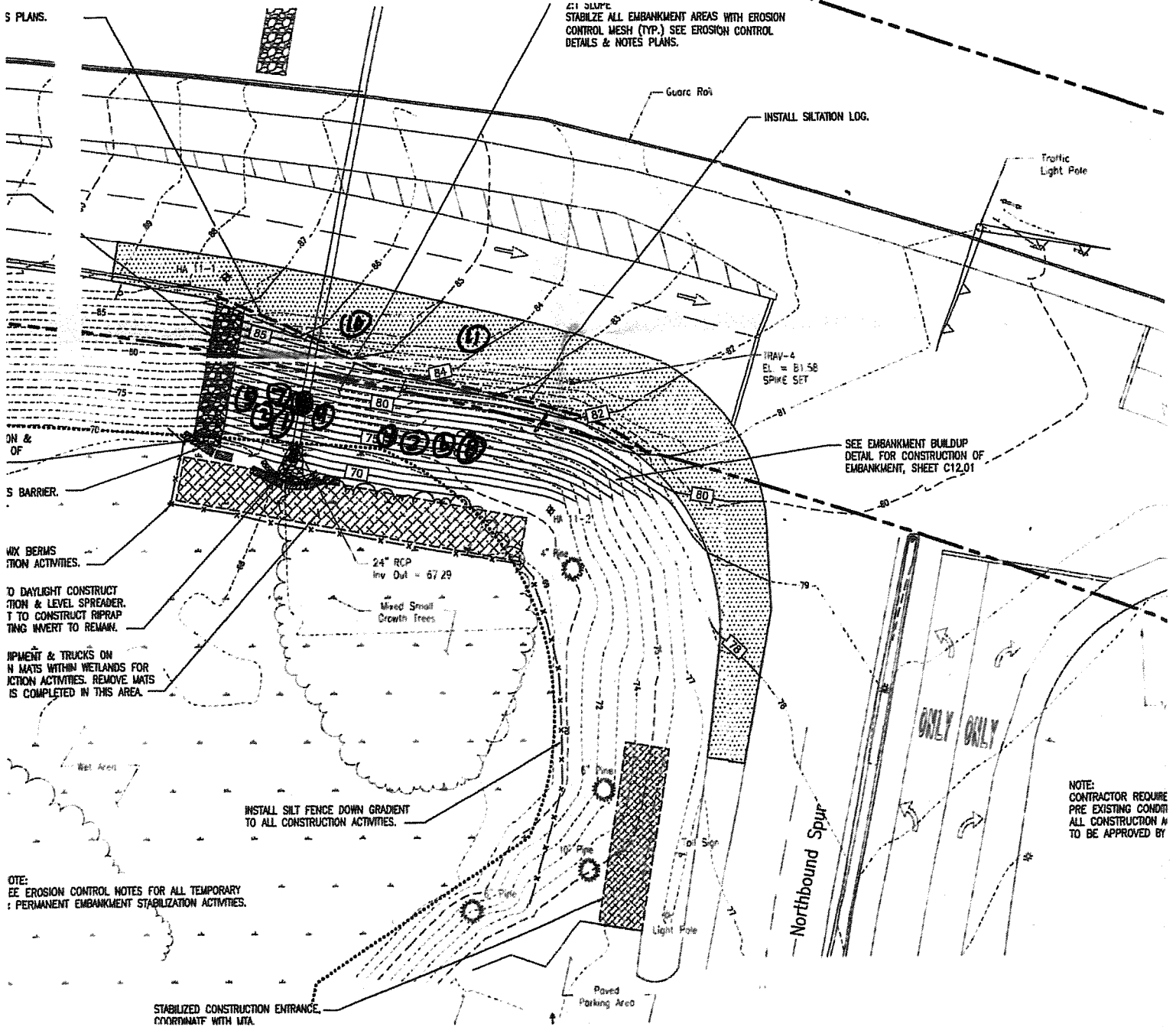
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Johnson Rd./Turnpike Connector Northbound Ramp Improvements

Project No.: 557-14-02

Date: 8/11/11

Technologist: MAO

5 PLANS.



STABILIZE ALL EMBANKMENT AREAS WITH EROSION CONTROL MESH (TYP.) SEE EROSION CONTROL DETAILS & NOTES PLANS.

INSTALL SILTATION LOG.

Traffic Light Pole

TRAY-4  
EL. = B1.56  
SPIKE SET

SEE EMBANKMENT BUILDUP  
DETAIL FOR CONSTRUCTION OF  
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