

R. W. Gillespie & Associates, Inc.

86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 International 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:	August 18, 2010	Project No.:	557-14
Attention:	Mr. Cuyler Feagles (cmf@portlandmaine.gov)		
Re:	Concrete Testing Terminal Enhancement, Portland Int. Jetport Portland, Maine		

We are sending you attached concrete cylinder test results.

Cylinder No. (s)	Age (Days)
66359	28
66360	28
66363	28
66364	28

Remarks:

Copy To:
 Roy Williams: rsw@portlandmaine.gov
 Jim Stanislaski: jim_stanislaski@gensler.com
 Cliff Takara: clifford_takara@gensler.com
 Lacey Fogg: Lacey.Fogg@amec.com
 Mike Fusco: mfusco@tcco.com
 Shaun Winner: swinner@tcco.com
 Phil Coleman: pcoleman@tcco.com
 Elizabeth O'Toole: eotoole@tcco.com
 TMM@portlandmaine.gov
 ldobson@portlandmaine.gov
 rdixon@tcco.com
 gemitchell@tcco.com

Signed: Bertha Dawn

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CONCRETE TEST/PLACEMENT REPORT

Project Name:	Terminal Enhancement, Portland Int. Jetport	Date Cylinders Cast:	21-Jul-10
Project No:	557-14	Concrete Supplier:	Auburn
Weather Conditions:	Sunny	General Contractor:	Turner
Method of Placement:	Pump	Design Strength:	4,000
Admixtures:	Micro Air, Glenium 7500, Pozzolith 100XR	Max Agg. Size:	3/4
Placement Location:	Piers, Foundation Walls, & Footings - See Attached Sketch		
Test Cylinder Location:	Pier: XJ/Y8		

Date Report Issued: **AUG 19 2010**

4x8 Cylinders	4	Cast by	Rodney R. Collard			
Load No.	1	Slump (in) ASTM C 143	4.0	Time		
Ticket No.	167554	Air (°F)	85		Batched @	12:07
Truck No.	99	Concrete (°F) ASTM C 1064	76		Arrived @	12:30
Cubic Yds.	10	Air Content (%) ASTM C 231	5.1		Total Time	53

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1

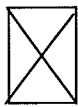
Date received 22-Jul-10

Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66358	28-Jul-10	4.019	12.69	7	49,260	3880	2
66359	18-Aug-10	4.016	12.67	28	68,440	5400	2
66360	18-Aug-10	4.016	12.67	28	69,500	5490	3
66361	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



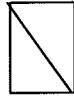
Cone
1



Cone & Split
2



Columnar
3



Shear
4



Side Fracture
5



Double Side Fracture
6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
2	167556	118	10	--	--	--	--	45
3	167557	78	10	--	--	--	--	37
4	167559	102	10	--	--	79	--	30
5	167561	99	10	--	--	--	--	25

Remarks: Total loads = 8
 Curing Temperatures: Max = 84°, Min = 67°

Checked by: Matthew T. Grady
 Matthew T. Grady, Manager of MTS

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CONCRETE TEST/PLACEMENT REPORT

Project Name:	Terminal Enhancement, Portland Int. Jetport	Date Cylinders Cast:	21-Jul-10
Project No:	557-14	Concrete Supplier:	Auburn
Weather Conditions:	Sunny	General Contractor:	Turner
Method of Placement:	Pump	Design Strength:	4,000
Admixtures:	Micro Air, Glenium 7500, Pozzolith 100XR	Max Agg. Size:	3/4
Placement Location:	Spread Footings: XH/Y7, XH/Y7.5, XH/Y6.5, XH.5/Y7.5		
Test Cylinder Location:	Footings: XH/Y7		

Date Report Issued: **AUG 19 2010**

4x8 Cylinders	4	Cast by	Rodney R. Collard	Time	
Load No.	6	Slump (in) ASTM C 143	5.75	Batched @	2:12
Ticket No.	167563	Air (°F)	86	Arrived @	--
Truck No.	78	Concrete (°F) ASTM C 1064	78	Total Time	35
Cubic Yds.	10	Air Content (%) ASTM C 231	5.1		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1

Date received 22-Jul-10

Condition of Cylinders: Good

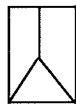
Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66362	28-Jul-10	4.019	12.69	7	41,000	3230	3
66363	18-Aug-10	4.016	12.67	28	66,260	5230	3
66364	18-Aug-10	4.016	12.67	28	64,840	5120	2
66365	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



Cone & Split
2



Columnar
3



Shear
4



Side Fracture
5



Double Side Fracture
6

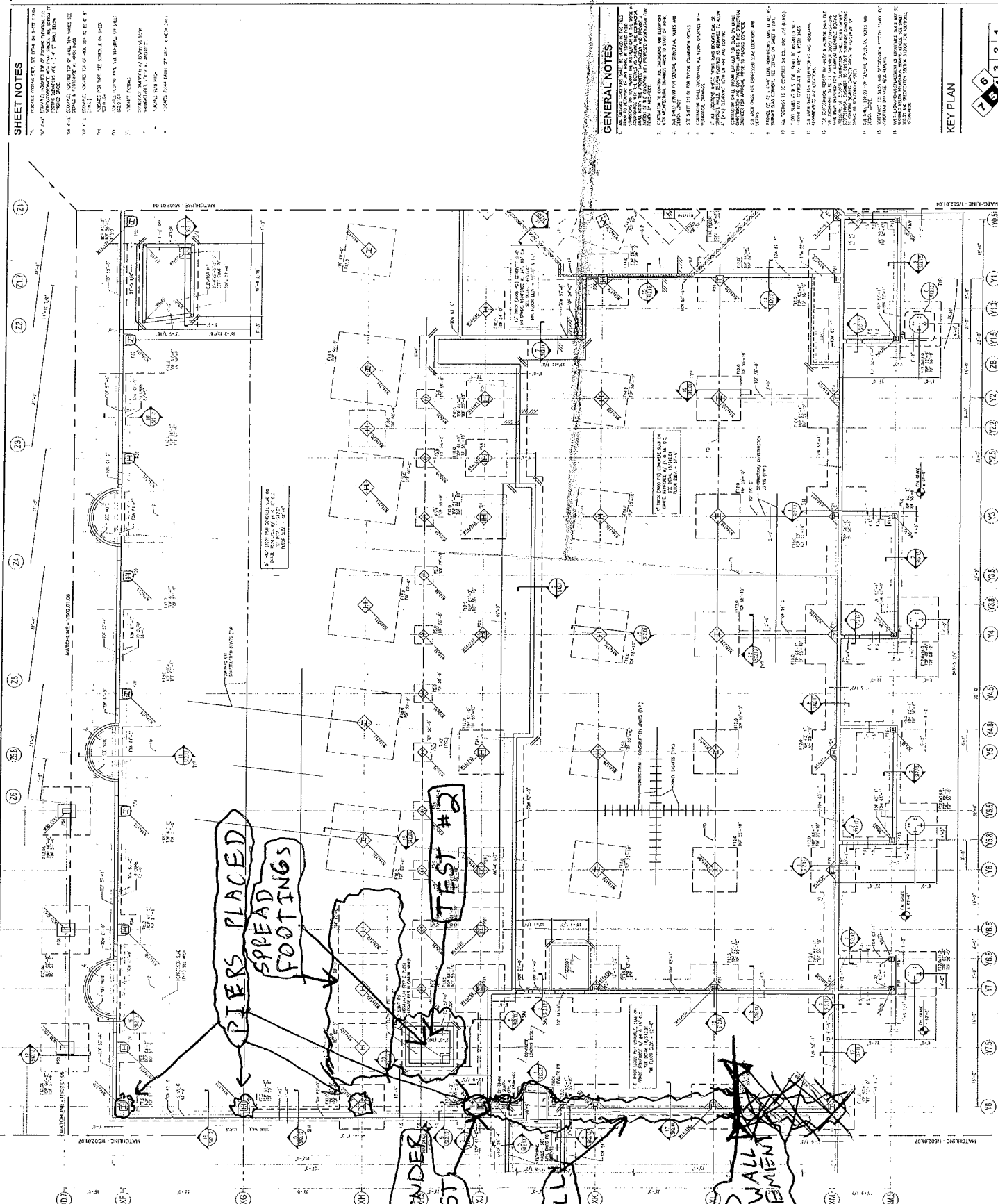
Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
7	167564	102	6	--	--	--	--	40
8	167565	77	6	--	--	--	--	30

Remarks: Total loads = 8

Curing Temperatures: Max = 84°, Min = 67°

Checked by: Matthew T. Grady
 Matthew T. Grady, Manager of MTS

PORTLAND JETPORT 557-14 7/21/10 RODNEY COLLARD



SHEET NOTES

1. REFER TO SHEET 557-13 FOR GENERAL NOTES.
2. CHECK ALL DIMENSIONS AND SPACING AGAINST THE DRAWING.
3. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.
4. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
5. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
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GENERAL NOTES

1. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
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Portland International Jetport
 1001 Western Street
 Portland, Maine 04102

Gensler
WEST ASSOCIATES, INC.
 1001 Western Street
 Portland, Maine 04102

KEY PLAN

7 6 5 4 3 2 1

S02.01.05