

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:	July 7, 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)
66050	7
66054	7

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
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 Elizabeth O'Toole: eotoole@tcco.com
 TMM@portlandmaine.gov
 ldobson@portlandmaine.gov
 rdixon@tcco.com
 gemitchell@tcco.com

Signed: Bertha Dawn

R. W. GILLESPIE & ASSOCIATES, INC.

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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Sunny
Method of Placement: Pump
Admixtures: Glenium 7500, Micro-air, Pozzoloth 100XR
Placement Location: See attached sketch
Test Cylinder Location: Escalator Pit Footing Wall: XG/ZA - 6'

Date Cylinders Cast: 29-Jun-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 4,000
Max Agg. Size: 3/4

Date Report Issued: **JUL 08 2010**

4x8 Cylinders	4	Cast by	Erik E. Cohenour	Time	
Load No.	1	Slump (in) ASTM C 143	4.5	Batched @	1:42
Ticket No.	167036	Air (°F)	76	Arrived @	2:08
Truck No.	83	Concrete (°F) ASTM C 1064	81.7	Total Time	32
Cubic Yds.	10	Air Content (%) ASTM C 231	6.5		

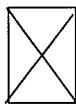
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 30-Jun-10
 Condition of Cylinders: Good

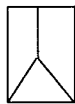
Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66050	06-Jul-10	4.014	12.65	7	52,300	4130	2
66051	27-Jul-10			28			
66052	27-Jul-10			28			
66053	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



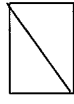
Cone
1



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	167037	101	10	--	--	--	--	70
3	167038	100	10	--	--	--	--	40
4	167041	99	10	--	--	--	--	--

Remarks: 8 Total Loads

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

EFC 6/29/10 557-14 PORTLAND JETPORT

SHEET NOTES

1. REVISIONS: SEE SHEET FOR REVISIONS.
2. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
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NO.	DATE	DESCRIPTION	BY	CHK
01	06/29/10	ISSUED FOR PERMIT	JDK	JDK
02	07/27/10	REVISIONS	JDK	JDK
03	12/01/10	REVISIONS	JDK	JDK
04	01/20/11	REVISIONS	JDK	JDK
05	02/01/11	REVISIONS	JDK	JDK

GENERAL NOTES

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KEY PLAN

Scale: 1/8" = 1'-0"

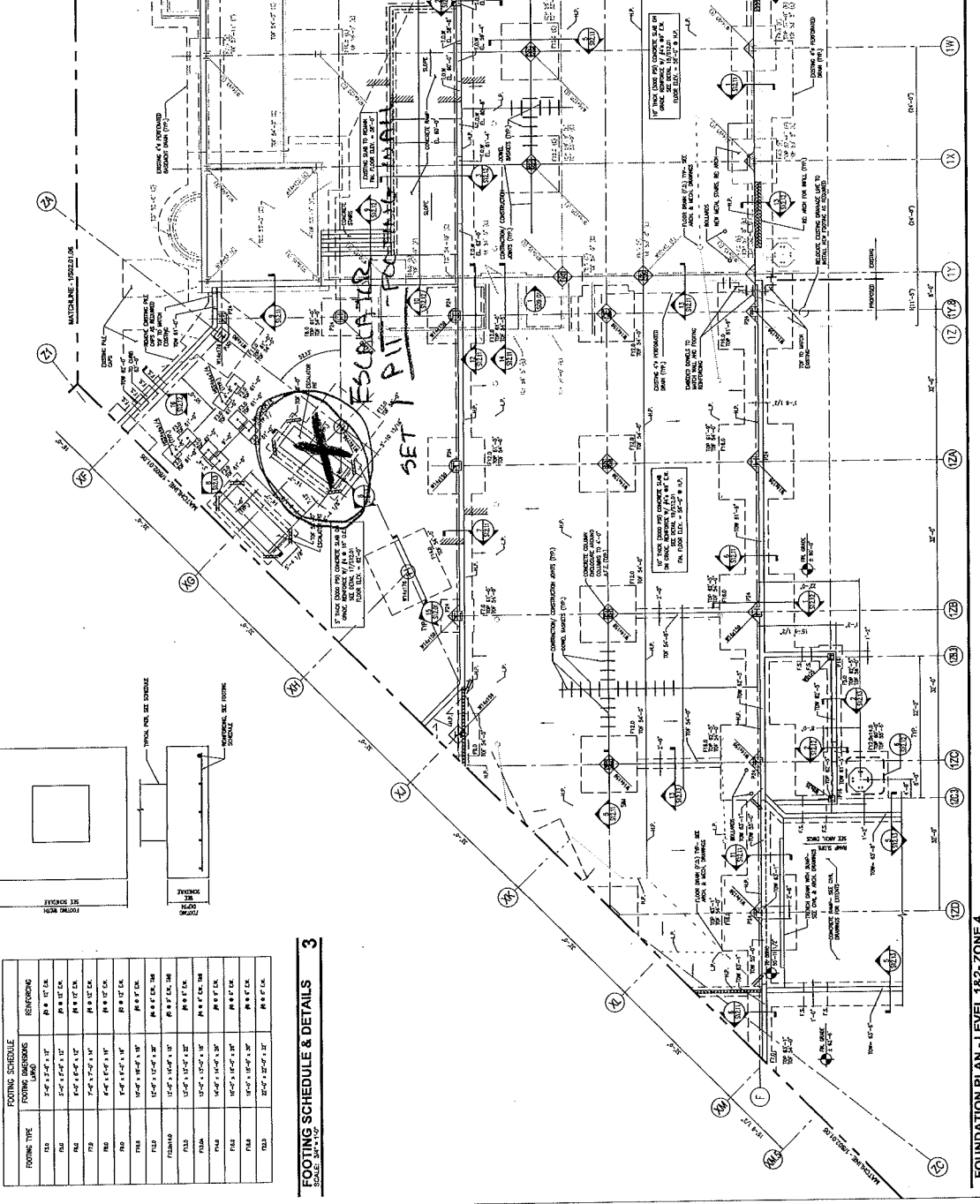
S02.01.04

PIER SCHEDULE

PIER TYPE	PIER DIMENSIONS	VERTICAL REINFORCING	REINFORCING TIES
P1	14'-0" x 14'-0"	AS PER DETAIL	AS PER DETAIL
P2	14'-0" x 14'-0"	AS PER DETAIL	AS PER DETAIL
P3	14'-0" x 14'-0"	AS PER DETAIL	AS PER DETAIL
P4	14'-0" x 14'-0"	AS PER DETAIL	AS PER DETAIL
P5	14'-0" x 14'-0"	AS PER DETAIL	AS PER DETAIL
P6	14'-0" x 14'-0"	AS PER DETAIL	AS PER DETAIL
P7	14'-0" x 14'-0"	AS PER DETAIL	AS PER DETAIL
P8	14'-0" x 14'-0"	AS PER DETAIL	AS PER DETAIL
P9	14'-0" x 14'-0"	AS PER DETAIL	AS PER DETAIL
P10	14'-0" x 14'-0"	AS PER DETAIL	AS PER DETAIL
P11	14'-0" x 14'-0"	AS PER DETAIL	AS PER DETAIL
P12	14'-0" x 14'-0"	AS PER DETAIL	AS PER DETAIL
P13	14'-0" x 14'-0"	AS PER DETAIL	AS PER DETAIL
P14	14'-0" x 14'-0"	AS PER DETAIL	AS PER DETAIL
P15	14'-0" x 14'-0"	AS PER DETAIL	AS PER DETAIL
P16	14'-0" x 14'-0"	AS PER DETAIL	AS PER DETAIL
P17	14'-0" x 14'-0"	AS PER DETAIL	AS PER DETAIL
P18	14'-0" x 14'-0"	AS PER DETAIL	AS PER DETAIL
P19	14'-0" x 14'-0"	AS PER DETAIL	AS PER DETAIL
P20	14'-0" x 14'-0"	AS PER DETAIL	AS PER DETAIL

FOOTING SCHEDULE & DETAILS

FOOTING TYPE	FOOTING DIMENSIONS	REINFORCING
F1	14'-0" x 14'-0"	AS PER DETAIL
F2	14'-0" x 14'-0"	AS PER DETAIL
F3	14'-0" x 14'-0"	AS PER DETAIL
F4	14'-0" x 14'-0"	AS PER DETAIL
F5	14'-0" x 14'-0"	AS PER DETAIL
F6	14'-0" x 14'-0"	AS PER DETAIL
F7	14'-0" x 14'-0"	AS PER DETAIL
F8	14'-0" x 14'-0"	AS PER DETAIL
F9	14'-0" x 14'-0"	AS PER DETAIL
F10	14'-0" x 14'-0"	AS PER DETAIL
F11	14'-0" x 14'-0"	AS PER DETAIL
F12	14'-0" x 14'-0"	AS PER DETAIL
F13	14'-0" x 14'-0"	AS PER DETAIL
F14	14'-0" x 14'-0"	AS PER DETAIL
F15	14'-0" x 14'-0"	AS PER DETAIL
F16	14'-0" x 14'-0"	AS PER DETAIL
F17	14'-0" x 14'-0"	AS PER DETAIL
F18	14'-0" x 14'-0"	AS PER DETAIL
F19	14'-0" x 14'-0"	AS PER DETAIL
F20	14'-0" x 14'-0"	AS PER DETAIL



PIER SCHEDULE & DETAILS

SCALE: 3/8" = 1'-0"

FOOTING SCHEDULE & DETAILS

SCALE: 3/8" = 1'-0"

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 200 International Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Sunny
Method of Placement: Pump
Admixtures: Glenium 7500, Micro-air, Pozzoloth 100XR
Placement Location: See attached sketch
Test Cylinder Location: Footing: Y3/XM

Date Cylinders Cast: 29-Jun-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 4,000
Max Agg. Size: 3/4

Date Report Issued: JUL 08 2010

4x8 Cylinders	4	Cast by	Erik E. Cohenour	Time	
Load No.	5	Slump (in) ASTM C 143	6.5	Batched @	3:30
Ticket No.	167042	Air (°F)	73	Arrived @	3:55
Truck No.	101	Concrete (°F) ASTM C 1064	81	Total Time	35
Cubic Yds.	10	Air Content (%) ASTM C 231	7		

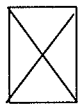
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 30-Jun-10
 Condition of Cylinders: Good

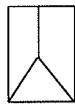
Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66054	06-Jul-10	4.014	12.65	7	43,320	3420	2
66055	27-Jul-10			28			
66056	27-Jul-10			28			
66057	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

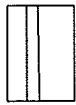
Types of Breaks



Cone
1



Cone & Split
2



Columnar
3



Shear
4



Side Fracture
5



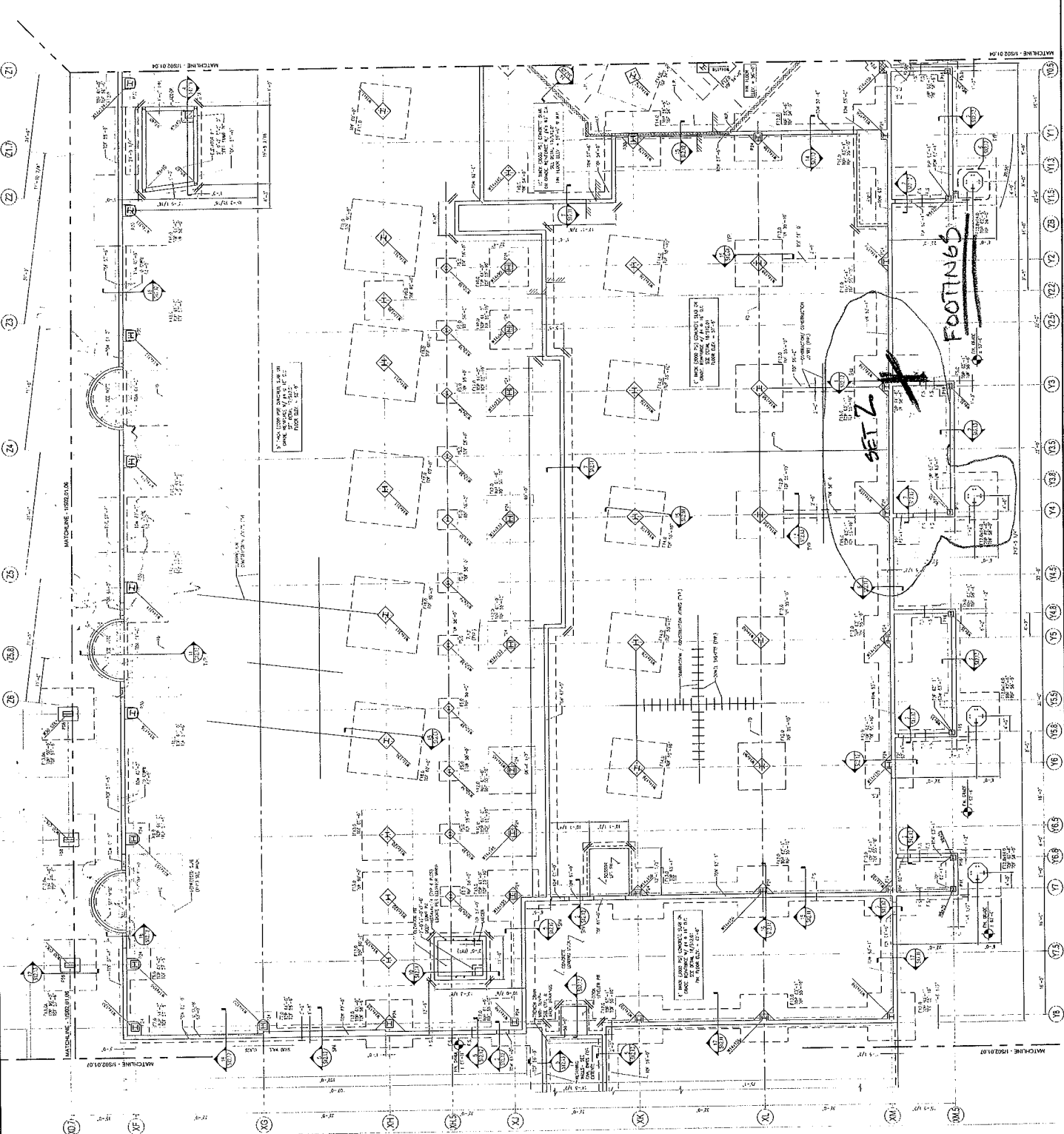
Double Side Fracture
6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
6	167043	100	10	--	--	--	--	35
7	167044	84	10	--	--	--	--	30
8	167045	86	5	--	--	--	--	30.00

Remarks: 8 Total Loads

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

EEC 6/29/10 SS 1-14 Portland Jetport - Terminal Expansion



SHEET NOTES

1. UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE IN FEET AND INCHES.
2. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.
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KEY PLAN

1 2 3 4

PORTLAND INTERNATIONAL
Jetport
 3001 Westbrook Street
 Portland, Maine 04102

Gensler

WSP | ASSOCIATES, INC.
 ENGINEERS ARCHITECTS INTERIORS CONSTRUCTION MANAGERS

2008 W. 10th St.
 Portland, ME 04102
 Telephone: 207.733.2000
 Fax: 207.733.2002

PROJECT: PORTLAND INTERNATIONAL
 SHEET: 10220.01

DATE: 06/29/10
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 DESIGNED BY: [Name]
 PROJECT MANAGER: [Name]

SCALE: AS SHOWN

PROJECT NO. 10220.01

DATE: 06/29/10

PROJECT: PORTLAND INTERNATIONAL

SHEET: 10220.01

DATE: 06/29/10

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PROJECT: PORTLAND INTERNATIONAL

SHEET: 10220.01

FOUNDATION PLAN - LEVEL 1&2 - ZONE 5

S02.01.05