

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)
66022	8

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

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: Overcast
Method of Placement: --
Admixtures: Glenium 7500, Pozzolith 100XR, Microair
Placement Location: Walls & Footings: See attached sketch
Test Cylinder Location: Foundation Wall: Line XM.5/Y0.5

Date Cylinders Cast: 28-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	Rodney R. Collard		Time
Load No.	1	Slump (in) ASTM C 143	5.5		Batched @ 1:16
Ticket No.	167024	Air (°F)	80		Arrived @ 1:40
Truck No.	101	Concrete (°F) ASTM C 1064	75		Total Time 44
Cubic Yds.	10	Air Content (%) ASTM C 231	6.8		

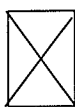
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 29-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
66022	06-Jul-10	4.014	12.65	8	48,660	3850	2
66023	26-Jul-10			28			
66024	26-Jul-10			28			
66025	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

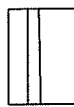
Types of Breaks



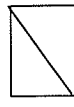
Cone
1



Cone & Split
2



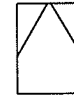
Columnar
3



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	167025	94	10	--	--	--	--	60
3	167026	84	10	--	--	--	--	90
4	167027	98	10	--	--	--	--	28

Remarks: Curing Temperatures: Max = 81°, Min = 71°

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

557-14 RRC 6/28/10

Portland International Jetport
1001 Westbrook Street
Portland, Maine 04107

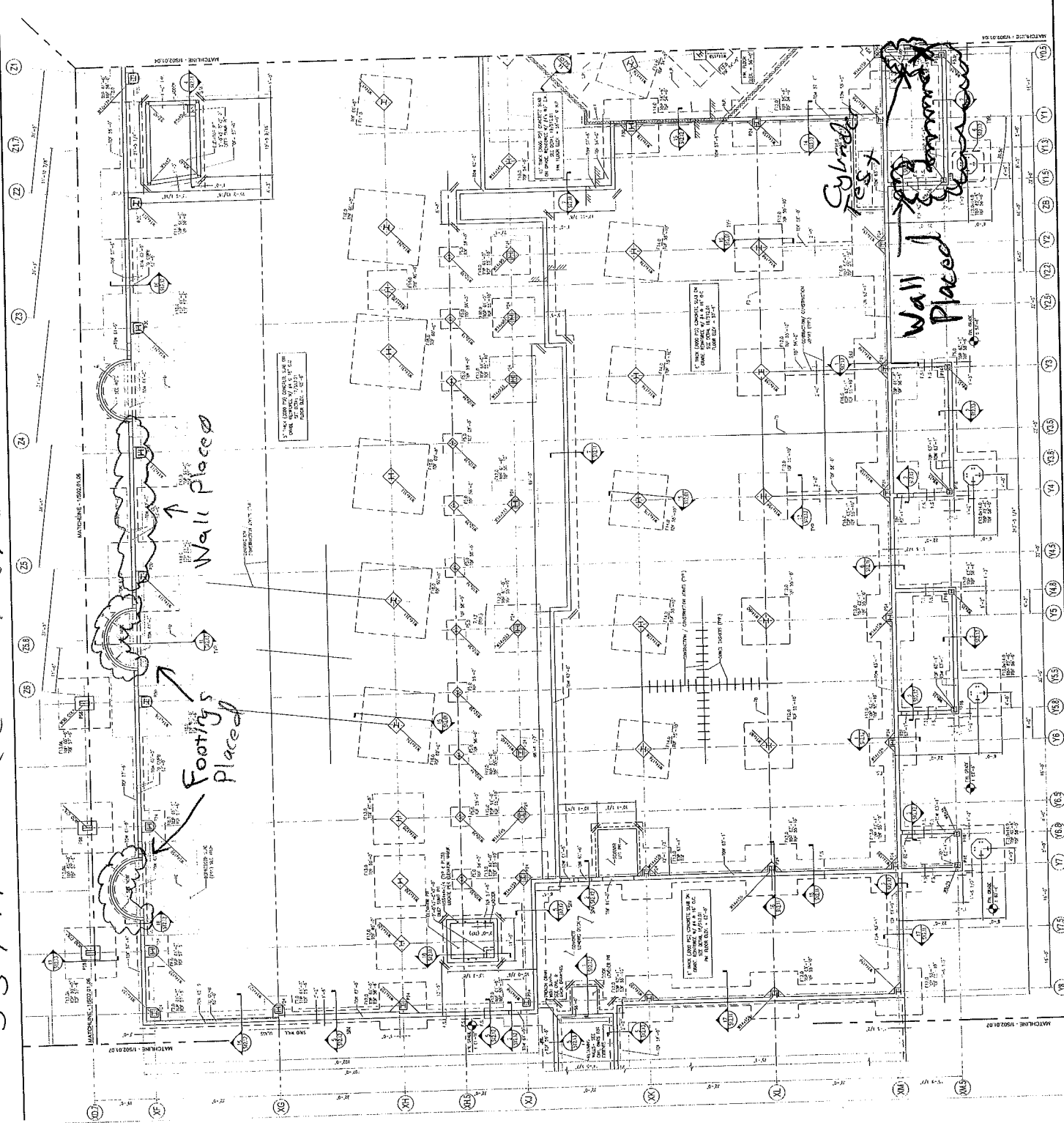
Gensler

West Associates, Inc.
ENGINEERS-ARCHITECTS-INTERIOR DESIGNERS

225A CONN. RD.
WINDSOR, CT 06095
PHONE: 203.242.8800
FAX: 203.242.8807

SHEET NOTES

1. VERIFY EXISTING CONDITIONS BY FIELD SURVEY.
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10. VERIFY EXISTING CONDITIONS BY FIELD SURVEY.



GENERAL NOTES

1. ALL FOUNDATIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE LATEST EDITIONS OF THE INTERNATIONAL FOUNDATION CODE (IFC).
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KEY PLAN

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

S02.01.05

FOUNDATION PLAN - LEVEL 1&2 - ZONE 5

557-14 RRC 6/28/10

SHEET NOTES

1. GENERAL NOTES TO BE REFERRED TO AS SHOWN ON SHEET 1001-01.

2. REFER TO SHEET 1001-01 FOR DIMENSIONS AND NOTES.

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14. REFER TO SHEET 1001-01 FOR DIMENSIONS AND NOTES.

15. REFER TO SHEET 1001-01 FOR DIMENSIONS AND NOTES.

GENERAL NOTES

1. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.

3. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.

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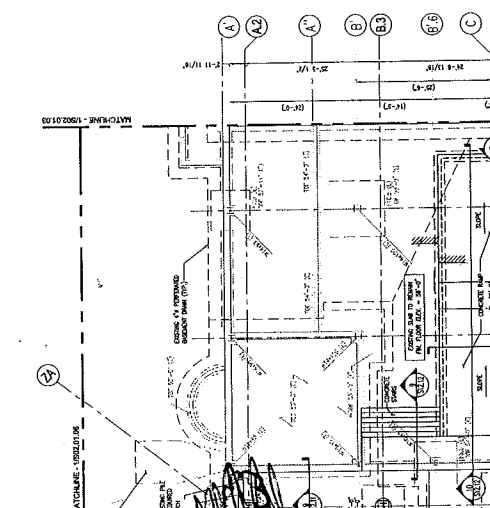
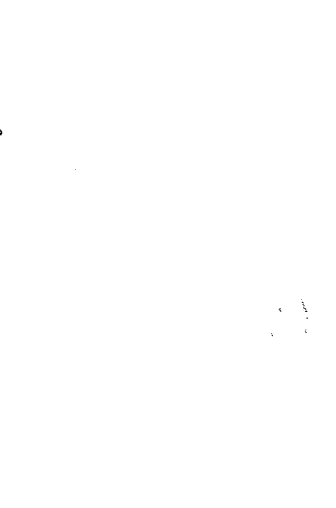
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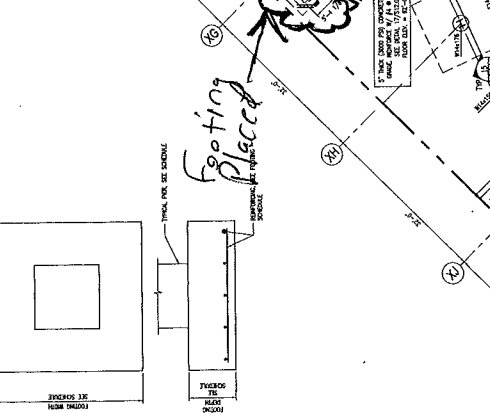
KEY PLAN

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PIER SCHEDULE & DETAILS

PIER TYPE	PIER DIMENSIONS	PIER SCHEDULE	REINFORCING
P1	30" x 30"	12#4 @ 12" x 12"	12#4 @ 12" x 12"
P2	36" x 36"	12#4 @ 12" x 12"	12#4 @ 12" x 12"
P3	42" x 42"	12#4 @ 12" x 12"	12#4 @ 12" x 12"
P4	48" x 48"	12#4 @ 12" x 12"	12#4 @ 12" x 12"
P5	54" x 54"	12#4 @ 12" x 12"	12#4 @ 12" x 12"
P6	60" x 60"	12#4 @ 12" x 12"	12#4 @ 12" x 12"
P7	66" x 66"	12#4 @ 12" x 12"	12#4 @ 12" x 12"
P8	72" x 72"	12#4 @ 12" x 12"	12#4 @ 12" x 12"
P9	78" x 78"	12#4 @ 12" x 12"	12#4 @ 12" x 12"
P10	84" x 84"	12#4 @ 12" x 12"	12#4 @ 12" x 12"
P11	90" x 90"	12#4 @ 12" x 12"	12#4 @ 12" x 12"
P12	96" x 96"	12#4 @ 12" x 12"	12#4 @ 12" x 12"
P13	102" x 102"	12#4 @ 12" x 12"	12#4 @ 12" x 12"
P14	108" x 108"	12#4 @ 12" x 12"	12#4 @ 12" x 12"
P15	114" x 114"	12#4 @ 12" x 12"	12#4 @ 12" x 12"
P16	120" x 120"	12#4 @ 12" x 12"	12#4 @ 12" x 12"
P17	126" x 126"	12#4 @ 12" x 12"	12#4 @ 12" x 12"
P18	132" x 132"	12#4 @ 12" x 12"	12#4 @ 12" x 12"
P19	138" x 138"	12#4 @ 12" x 12"	12#4 @ 12" x 12"
P20	144" x 144"	12#4 @ 12" x 12"	12#4 @ 12" x 12"



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