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

Date:	Project No.:
08 June 2011	0557-014

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

Re:
In-Place Density 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 In-Place Density Test Results.

Date(s) Performed:	Test (s) Performed
May 16, 2011	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:

Signed:

Copy To: Roy Williams: rsw@portlandmaine.gov
Jim Stanislaski: jim_stanislaski@gensler.com
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If enclosures are not as noted, kindly notify us at once.

SUMMARY OF IN-PLACE DENSITIES - ASTM D6938
TERMINAL ENHANCEMENT AT THE PORTLAND INTERNATIONAL JETPORT
PORTLAND, MAINE
RWG&A PROJECT NO. 557-14

Client: City of Portland
Test Date: 5/16/2011
Technician: MJK
Gauge Model/Serial Number: L 500

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11784	Type D Gravel	133.6	6.4

Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	XM.5+10'/Y7	FG -3'	126.2	5	95	11784
2	XM.5/Y7+20'	FG -3'	126.4	6	95	11784
3	XM.5+10'/Y7	FG -2'	127.6	4	96	11784
4	XM.5/Y7+20'	FG -2'	126.6	5	95	11784
5	XM.5+10'/Y7	FG -1'	129.1	5	97	11784
6	XM.5/Y7+20'	FG -1'	126.7	5	95	11784
7	XM.5+10'/Y7	FG	128.3	4	96	11784
8	XM.5/Y7+20'	FG	126.8	4	95	11784

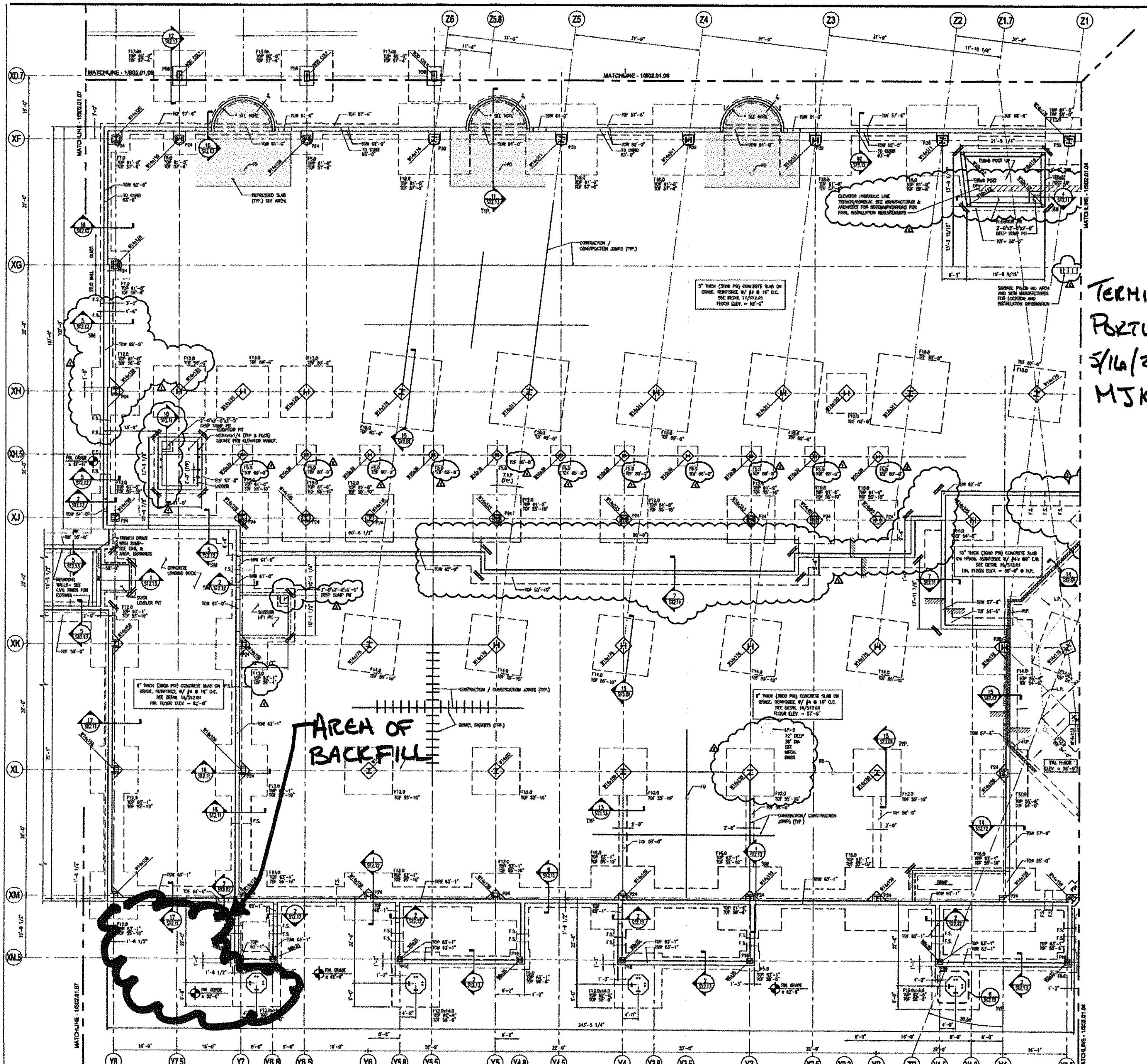
Remarks:

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
BOW = Bottom of Wall
BOF = Bottom of Footing
SG = Subgrade

Checked by: Matthew T. Gerrish

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



FOUNDATION PLAN - LEVEL 1&2 - ZONE 5
SCALE: 1/8" = 1'-0"

1

TERMINAL EXPANSION
PORTLAND INT'L JETPORT
5/16/2011
MJK

SHEET NOTES

F.S. INDICATES FOOTING STEP, SEE DETAIL ON SHEET S12.01.

TOF X'-X" (EXAMPLE) INDICATES TOP OF FOOTING ELEVATION. G.C. VERIFY/COORDINATE WITH FINAL GRADES. ALL BOTTOM OF FOOTING ELEVATIONS ARE (-) 4'-0" (MIN.) BELOW FINISHED GRADE.

TOW X'-X" (EXAMPLE) INDICATES TOP OF WALL. TOW VARIES SEE DETAILS & COORDINATE W/ ARCH DWGS.

TOP X'-X" (EXAMPLE) INDICATES TOP OF PIER. TOP TO BE 0'-8" (U.N.O.)

PXX INDICATES PIER TYPE, SEE SCHEDULE ON SHEET S02.01.04

FXX INDICATES FOOTING TYPE, SEE SCHEDULE ON SHEET S02.01.04

(E) INDICATES EXISTING.

* COORDINATE DIMENSION W/ REVOLVING DOOR MANUFACTURER, VERIFY W/ ARCHITECT.

INDICATES SLAB PITCH

INDICATES FLOOR DRAIN, SEE ARCH. & MECH DWGS.

GENERAL NOTES

1. ALL EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING OF ANY WORK. IF EXISTING FIELD CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY AND PROVIDE A SKETCH OF THE CONDITION WITH PROPOSED MODIFICATION FOR REVIEW BY ARCHITECT.
2. CONTRACTOR TO CONFIRM ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF WORK.
3. SEE SHEET S00.00 FOR GENERAL STRUCTURAL NOTES AND DESIGN LOADS.
4. SEE SHEET S12.01 FOR TYPICAL FOUNDATION DETAILS
5. CONTRACTOR SHALL COORDINATE ALL FLOOR OPENINGS WITH MECHANICAL DRAWINGS.
6. AT ALL LOCATIONS WHERE PIPING RUNS BENEATH GMU OR CONCRETE WALLS, DEEPEN FOOTINGS AS REQUIRED TO ALLOW 6" (MIN.) CLEARANCE BETWEEN PIPE AND FOOTING.
7. CONTRACTOR SHALL SUBMIT LAY-OUT FOR SLAB ON GRADE CONSTRUCTION AND CONTRACTION JOINTS TO THE STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO PLACING CONCRETE.
8. SEE ARCH DWGS FOR DEPRESSED SLAB LOCATIONS AND DEPTHS.
9. PROVIDE (2) #3 x 4'-0" LONG REINFORCING BARS AT ALL RE-ENTRANT SLAB CORNERS, SEE DETAILS ON SHEET S12.01.
10. ALL FOOTINGS TO BE CENTERED ON COL. GRID LINE (U.N.O.).
11. FLOOR SLABS AT THIS LEVEL SHALL BE INSTALLED WITH RADIANT HEAT. COORDINATE W/ ARCH & MECH DWGS.
12. SEE ARCH DWGS FOR WATERPROOFING AND INSULATING REQUIREMENTS AND LOCATIONS.
13. PER GEOTECHNICAL REPORT BY HALEY & ALDRICH (H&A FILE NO. 35034-601 DATED 11 NOVEMBER 2008) FOUNDATIONS HAVE BEEN DESIGNED FOR A MAXIMUM ALLOWABLE BEARING PRESSURE OF 3000PSF. CONTRACTOR SHALL ALLOW OWNER'S GEOTECHNICAL ENGINEER TO OBSERVE SUBGRADE CONDITIONS TO CONFIRM BEARING CAPACITY PRIOR TO PLACEMENT OF FORMS OR REINFORCING STEEL.
14. SEE SHEET S00.00 FOR GENERAL STRUCTURAL NOTES AND DESIGN LOADS.
15. REFERENCE S02.01.00 AND SPECIFICATION SECTION 334600 FOR UNDERSLAB DRAINAGE REQUIREMENTS.
16. OVER-EXCAVATION/REPLACEMENT OF UNSUITABLE SOILS MAY BE REQUIRED BELOW FOUNDATION BEARING LEVELS; SEE SHEET S00.00 AND SPECIFICATION SECTION 312000 FOR ADDITIONAL INFORMATION.

KEY PLAN

7 6 5 4 3 2 1

Portland International Jetport
1001 Westbrook Street
Portland, Maine 04102

Gensler
2020 K Street, NW
Suite 200
Washington, DC 20006
Telephone 202.721.5200
Facsimile 202.872.5587

OEST ASSOCIATES, INC.
engineers • architects • surveyors • construction managers

	Issue	Date & Issue Description	By	Check
---	01	07/11/08 SCHEMATIC DESIGN	JDE	---
---	02	09/22/08 DESIGN DEVELOPMENT	JDE	---
---	03	12/03/08 75% CONSTRUCTION DOCUMENTS	JDE	---
---	04	01/23/09 95% CONSTRUCTION DOCUMENTS	JDE	---
---	05	10/26/09 ISSUED FOR PERMIT	JDE	---
6	06	11/12/09 ADDENDUM #2	JDE	---
7	07	01/12/10 BULLETIN #1	JDE	---

Seal/Signature
STATE OF MAINE [illegible] 1.12.10

Project Name
PWM Terminal Enhancement

Project Number
[illegible]

CAD File Name
I:\5330101\SHEETS\S02.01.05.DWG

Description
FOUNDATION PLAN - LEVEL 1&2 - ZONE 5

Scale
1/8" = 1'-0"

Ref. North

S02.01.05