

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:	June 1, 2010	Project No.:	557-14
Attention:	Mr. Cuyler Feagles (cmf@portlandmaine.gov)		
Re:	In-Place Density Testing Terminal Enhancement, Portland Int. Jetport Portland, Maine		

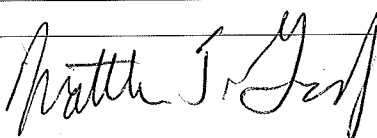
We are sending you attached In-Place Density Test Results.

Date(s) Performed:	Test (s) Performed
May 10, 11, 14, 2010	In-Place Density Testing - Nuclear Method ASTM D6938
	<input checked="" type="radio"/> Meets Specification
	<input type="radio"/> 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:

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

Signed: 

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

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11177	B-5 Subbase Gravel	134.8	6.4

Client: City of Portland
 Test Date: 5/10/2010
 Technician: MJK
 Gauge Model/Serial Number: L.500

Report Issue Date: **JUN 04 2010**

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	Retaining Wall 1 STA 4+20	FG -1'	128.3	5	95	11177
2	Retaining Wall 1 STA 3+40	FG -3'	129.0	5	96	11177
3	Retaining Wall 1 STA 4+20	FG	127.9	4	95	11177
4	Retaining Wall 1 STA 3+40	FG -2'	127.9	4	95	11177
5	Retaining Wall 1 STA 3+40	FG -1'	128.9	4	96	11177
6	Retaining Wall 1 STA 2+50	FG -2'	128.7	4	96	11177
7	Retaining Wall 1 STA 2+50	FG -2'	129.0	5	96	11177

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
 BOF = Bottom of Footing
 SG = Subgrade

Checked by: *Arthur Skelley*

Portland International
Jetport
3801 Washington Street
Portland, Maine 04103

Gensler
Gensler Associates, Inc.
100 State Street
Portland, Maine 04103

LA
DATE
BY
CHECKED
APPROVED
PROJECT NO.
SHEET NO.

PROJECT NO.
SHEET NO.
DATE
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PROJECT NO.
SHEET NO.

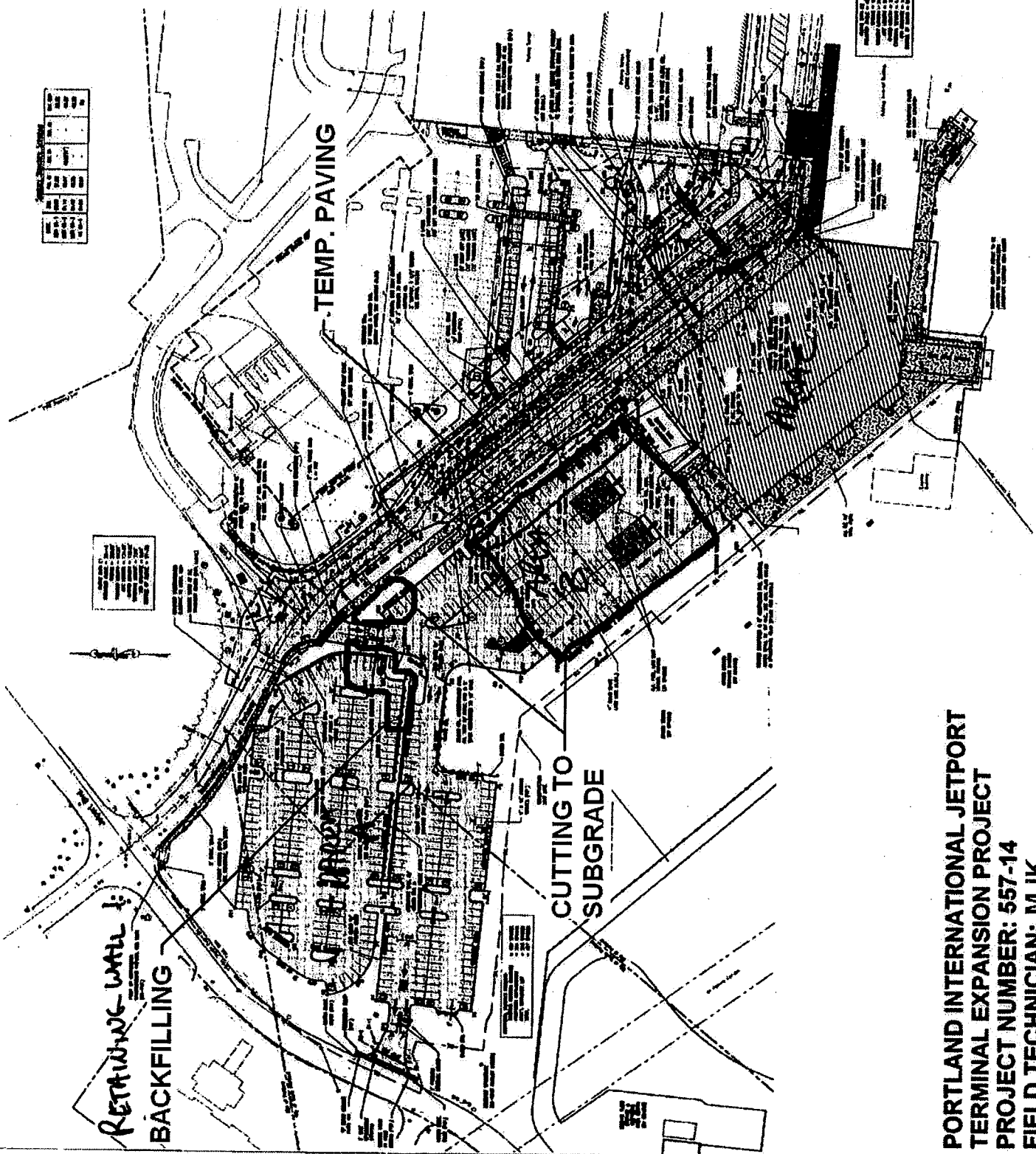
C02.01

BRIEF NOTES

NO.	DESCRIPTION
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GENERAL NOTES

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PORTLAND INTERNATIONAL JETPORT
TERMINAL EXPANSION PROJECT
PROJECT NUMBER: 557-14
FIELD TECHNICIAN: MJK
DATE: 5/10/2010

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

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11194	Poorly Graded Sand	111.0	11.4

Client: City of Portland
 Test Date: 5/11/2010
 Technician: MJK
 Gauge Model/Serial Number: L 500

JUN 0 4 2010

Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	10 yds from North EOP	SG -2'	108.1	6	97	11194
2	20 yds from North EOP	SG -2'	104.0	7	94	11194
3	30 yds from North EOP	SG -2'	102.6	7	92	11194
4	40 yds from North EOP	SG -2'	102.6	8	93-92	11194
5	50 yds from North EOP	SG -2'	105.4	7	95	11194
6	60 yds from North EOP	SG -2'	104.9	7	95	11194
7	70 yds from North EOP	SG -2'	103.3	8	93	11194
8	80 yds from North EOP	SG -2'	106.0	6	96	11194
9	90 yds from North EOP	SG -2'	103.3	6	93	11194
10	100 yds from North EOP	SG -2'	104.7	6	94	11194
11	10 yds from North EOP	SG -1'	105.1	7	95	11194
12	20 yds from North EOP	SG -1'	105.6	6	95	11194

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
- BOF = Bottom of Footing
- SG = Subgrade
- EOP = End of Pipe

Checked by: Matthew S. Jody

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

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
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JUN 0 4 2010

Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
13	30 yds from North EOP	SG -1'	105.5	9	95	11194
14	40 yds from North EOP	SG -1'	105.4	6	95	11194
15	50 yds from North EOP	SG -1'	105.8	7	95	11194
16	60 yds from North EOP	SG -1'	105.0	6	95	11194
17	70 yds from North EOP	SG -1'	106.3	6	96	11194
18	80 yds from North EOP	SG -1'	105.5	6	95	11194
19	90 yds from North EOP	SG -1'	106.5	7	96	11194
20	10 yds from North EOP	SG	107.7	6	97	11194
21	20 yds from North EOP	SG	106.1	7	96	11194
22	30 yds from North EOP	SG	108.2	7	98	11194
23	40 yds from North EOP	SG	105.2	6	95	11194
24	50 yds from North EOP	SG	106.0	6	96	11194

Remarks:

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- FGB = Finish Grade of Base
- FGSB = Finish Grade of Subbase
- FGSG = Finish Grade of Subgrade

- TOW = Top of Foundation Wall
- BOF = Bottom of Footing
- SG = Subgrade
- EOP = END OF PIPE*

Checked by: *Matthew S. Goff*

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

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
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Client: City of Portland
 Test Date: 5/11/2010
 Technician: MJK
 Gauge Model/Serial Number: L 500

Report Issue Date: **JUN 0 4 2010**

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
25	60 yds from North EOP	SG	106.2	6	96	11194
26	70 yds from North EOP	SG	107.6	6	97	11194
27	80 yds from North EOP	SG	107.0	6	96	11194
28	90 yds from North EOP	SG	108.9	6	98	11194
29	10 yds from North EOP	SG	105.9	6	95	11194

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
 BOF = Bottom of Footing
 SG = Subgrade

Checked by: Arthur J. Leedy

Portland International
Jetport
2021 Westmont Street
Portland, Maine 04102

Gensler
meaf ASSOCIATES, INC.
MECHANICAL ENGINEERS ARCHITECTS INTERIORS
1000 WASHINGTON ST. SUITE 1000
PORTLAND, ME 04102
PHONE: 207.734.2000
FAX: 207.734.2001

DATE: 5-11-2010

PROJECT NUMBER: 557-14

FIELD TECHNICIAN: MJK

SCALE: 1" = 4'

PROJECT: PORTLAND INTERNATIONAL JETPORT
SUBJECT: AIRPORT SECURITY SYSTEM (ASS) - PHASE 1
DRAWING: ELECTRICAL - PHASE 1

DESIGNED BY: [Signature]
CHECKED BY: [Signature]
DATE: 5-11-2010

PROJECT NO. 557-14
DRAWING NO. 557-14-01
SHEET NO. 1 OF 1

DATE: 5-11-2010

PROJECT: PORTLAND INTERNATIONAL JETPORT
SUBJECT: AIRPORT SECURITY SYSTEM (ASS) - PHASE 1
DRAWING: ELECTRICAL - PHASE 1

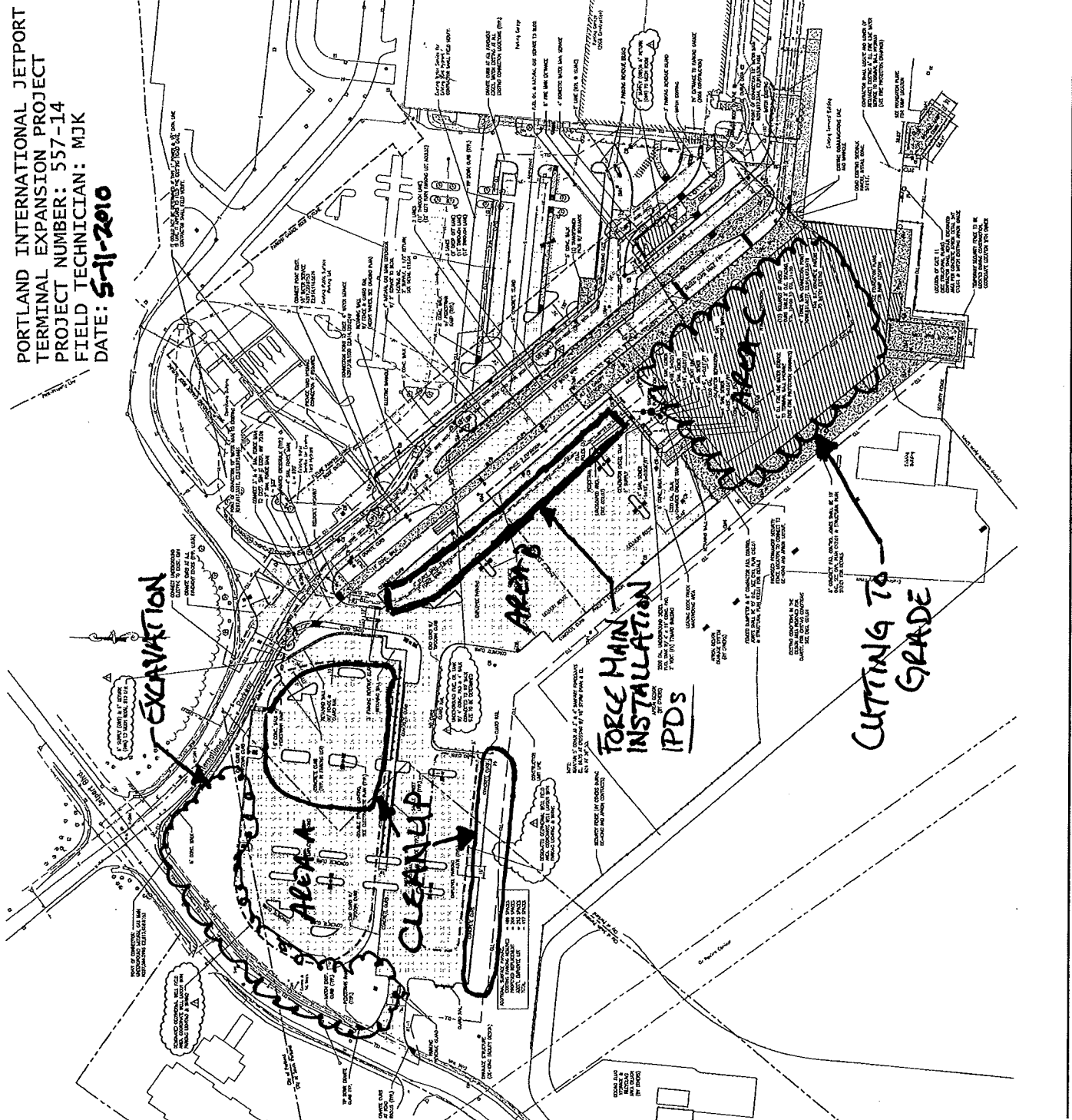
DESIGNED BY: [Signature]
CHECKED BY: [Signature]
DATE: 5-11-2010

SHEET NOTES

PORTLAND INTERNATIONAL JETPORT
TERMINAL EXPANSION PROJECT
PROJECT NUMBER: 557-14
FIELD TECHNICIAN: MJK
DATE: 5-11-2010

GENERAL NOTES

1. SEE EXISTING AND GENERAL WORK CONDITIONS.
2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72).
3. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72).
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10. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72).
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12. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72).



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

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11194	Poorly Graded Sand	111.0	11.4

Client: City of Portland
 Test Date: 5/14/2010
 Technician: MJK
 Gauge Model/Serial Number: L 500

Report Issue Date: **JUN 0 4 2010**

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	40 yds N of 45° angle	SG -2'	106.8	7	96	11194
2	30 yds N of 45° angle	SG -2'	106.0	6	96	11194
3	20 yds N of 45° angle	SG -2'	108.2	6	98	11194
4	10 yds N of 45° angle	SG -2'	109.8	5	99	11194
5	40 yds N of 45° angle	SG -1'	109.7	6	99	11194
6	30 yds N of 45° angle	SG -1'	108.2	6	98	11194
7	20 yds N of 45° angle	SG -1'	106.4	6	96	11194
8	10 yds N of 45° angle	SG -1'	107.4	6	97	11194
9	40 yds N of 45° angle	SG	106.5	6	96	11194
10	30 yds N of 45° angle	SG	105.0	7	95	11194
11	20 yds N of 45° angle	SG	107.4	6	97	11194
12	10 yds N of 45° angle	SG	106.9	5	96	11194

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
- BOF = Bottom of Footing
- SG = Subgrade

Checked by: 

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

Page 2 of 2

Client: City of Portland
 Test Date: 5/14/2010
 Technician: MJK
 Gauge Model/Serial Number: L 500

Report Issue Date: **JUN 0 4 2010**

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11194	Poorly Graded Sand	111.0	11.4

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
13	45° Angle	SG -2'	106.3	6	96	11194
14	Tie In	SG -2'	106.4	6	96	11194
15	45° Angle	SG -1'	104.9	6	95	11194
16	Tie In	SG -1'	107.8	6	97	11194
17	45° Angle	SG	106.7	6	96	11194
18	Tie In	SG	107.1	7	97	11194

Remarks:

FG = Finish Grade
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TOW = Top of Foundation Wall
 BOF = Bottom of Footing
 SG = Subgrade

Checked by: *Arthur G. ...*

Portland International
Jetport
1001 Westbrook Street
Portland, Maine 04122

Gensler
nest ASSOCIATES, INC.
ARCHITECTS

DATE: 5-14-2010
PROJECT NUMBER: 557-14
FIELD TECHNICIAN: MJK

SCALE: 1" = 10'-0"

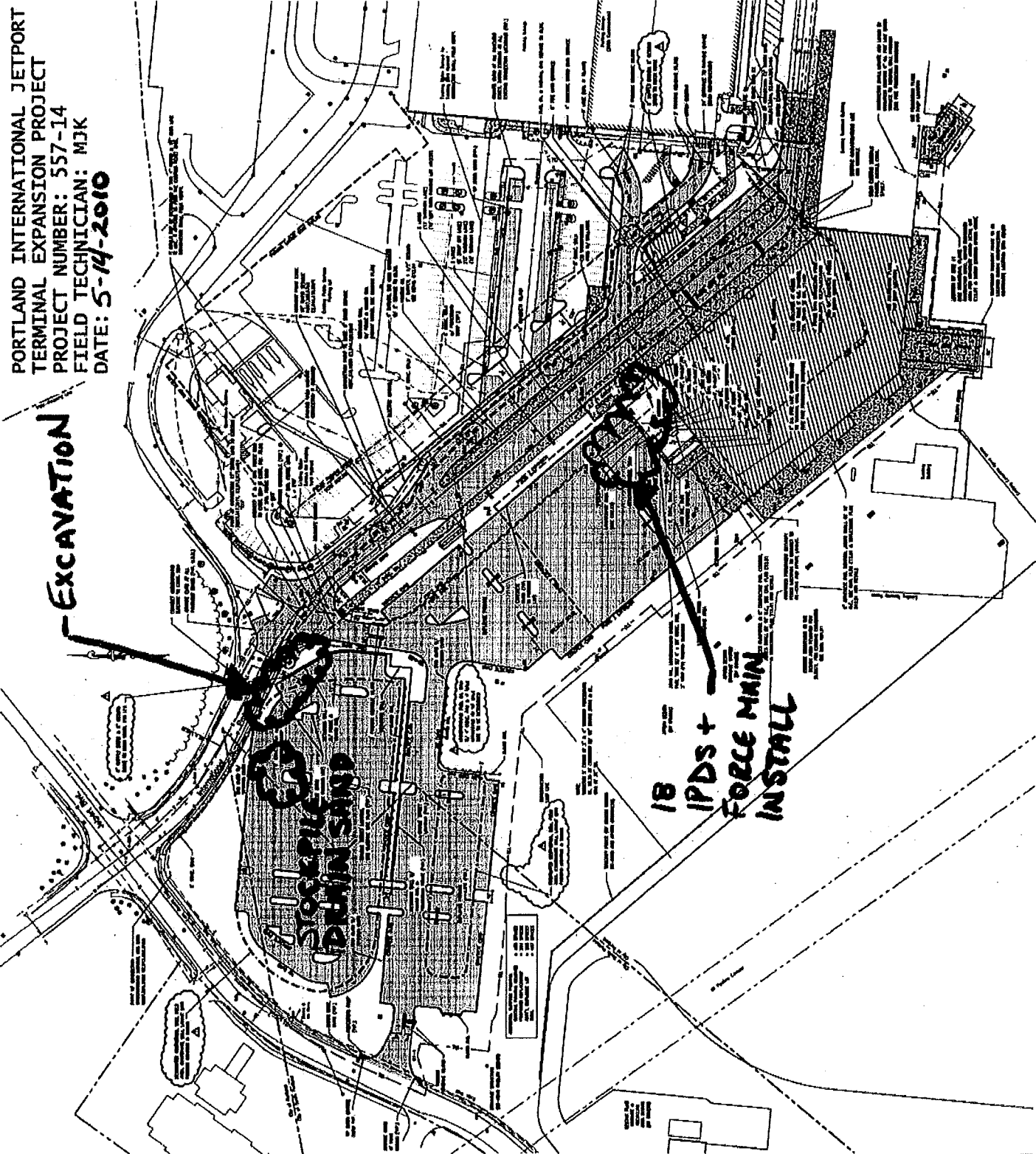
PROJECT: PORTLAND INTERNATIONAL AIRPORT
TERMINAL EXPANSION PROJECT
CONSTRUCTION, LAYOUT PLAN

NO. 02
DATE: 5-14-2010

C02.01.GTDWVG

SHEET NOTES

PORTLAND INTERNATIONAL JETPORT
TERMINAL EXPANSION PROJECT
PROJECT NUMBER: 557-14
FIELD TECHNICIAN: MJK
DATE: 5-14-2010



GENERAL NOTES

1. SEE EXISTING AND GENERAL NOTES FOR GENERAL NOTES.
2. ALL EXISTING UTILITIES SHALL BE MAINTAINED AND PROTECTED.
3. ALL NEW UTILITIES SHALL BE INSTALLED AS SHOWN ON THIS PLAN.
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