

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:	July 13, 2010	Project No.:	557-14
Attention:	Mr. Cuyler Feagles (cmf@portlandmaine.gov)		
Re:	In-Place Density Testing Terminal Enhancement, Portland Int. Jetport Portland, Maine		

City of Portland, Portland Int. Jetport

1001 Westbrook Street

Portland, Maine 04102

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

Date(s) Performed:

June 21 through 27, 2010

Test (s) Performed

In-Place Density Testing - Nuclear Method ASTM D6938

- 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:

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
 Elizabeth O'Toole: eotoole@tcco.com
 TMM@portlandmaine.gove
 Idobson@portlandmaine.gov
 bcybulski@tcco.com
 rdixon@tcco.com
 Geoff Mitchell: gemitchell@tcco.com

Signed: 

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

Client: City of Portland
 Test Date: 6/21/2010
 Technician: MJK
 Gauge Model/Serial Number: L 500

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

Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	Water main - 40' NW of 6" line	FG -5'	103.4	5	93	11194
2	Water main - 40' NW of 6" line	FG -3'	107.2	7	97	11194
3	Water main - 40' NW of 6" line	SG	106.9	5	96	11194
4	BACKFILLED WITH 3/4" STONE. NO TEST.					11194
5	Drain line - East side of CB OA-33	SG	107.2	10	97	11194
6	Water main - 60' NW of 6" line	FG -5'	103.9	9	94	11194
7	Water main - 60' NW of 6" line	FG -2'	105.7	7	95	11194
8	Water main - 80' NW of 6" line	FG -5'	106.6	9	96	11194
9	Water main - 80' NW of 6" line	FG -3'	108.3	8	98	11194
10	Drain line - 10' West of CB OA-14 (ex.)	FG -9'	104.7	6	94	11194
11	Drain line - 5' West of CB OA-14 (ex.)	FG -7'	103.9	6	94	11194
12	Drain line - 10' SW of CB OA-33	SG	115.4	8	100+	11194

Remarks: Tests reflecting Percent of Maximum Density less than 95% were taken on lifts 3 feet or greater below finished grade, and not under building structures.

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:



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: 6/21/2010
 Technician: MJK
 Gauge Model/Serial Number: L 500

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11194	Poorly Graded Sand	111.0	11

Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
13	Drain line - 20' West of CB OA-33	SG	108.7	11	98	11194
14	Drain line - 40' West of CB OA-33	SG	111.3	9	100	11194
15	Drain line - 60' West of CB OA-33	SG	106.4	5	96	11194
16	CB OA-32 - South Side	SG	109.8	6	99	11194
17	Drain line - 100' West of CB OA-33	SG -4'	102.7	6	93	11194
18	Drain line - 80' West of CB OA-33	SG	106.0	7	96	11194
19	Drain line - 100' West of CB OA-33	SG -3'	103.4	7	93	11194
20	Drain line - 100' West of CB OA-33	SG -1'	106.5	5	96	11194
21	Drain line - 120' West of CB OA-33	SG -3'	102.1	7	92	11194

Remarks: Tests reflecting Percent of Maximum Density less than 95% were taken on lifts 3 feet or greater below finished grade, and not under building structures.

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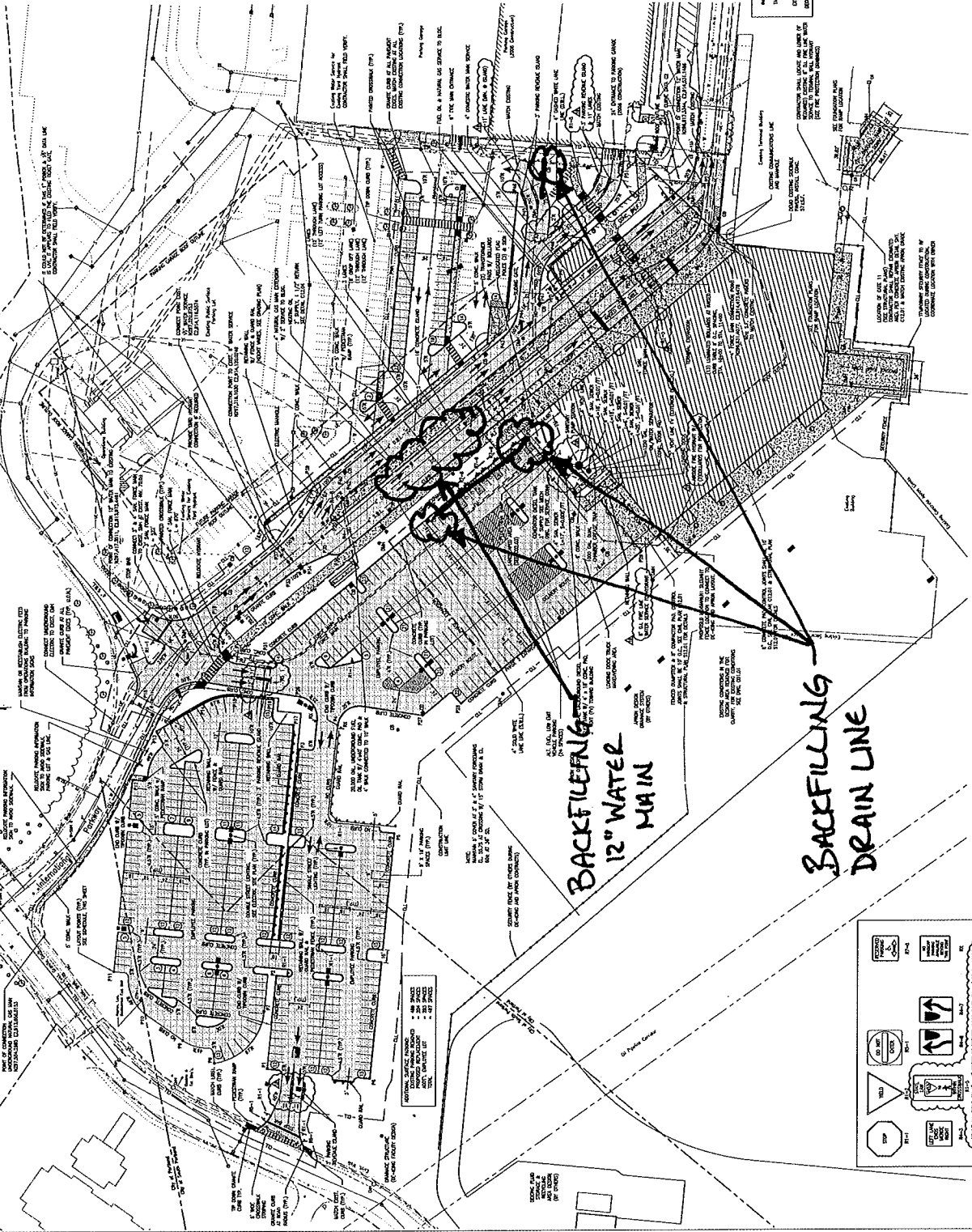
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SHEET NOTES

NO.	DATE	BY	CHKD.	DESCRIPTION
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CONTRACT NO. 10-100
 PROJECT NO. 10-100
 SHEET NO. 10-100
 DATE OF ISSUE: 11/15/10



**PORTLAND INT'L AIRPORT
 TERMINAL EXPANSION**
 SS7-14
 6-21-2010
 MSE

**Portland International
 Jetport**
 1001 Westbrook Street
 Portland, Maine 04102

Gensler

nest ASSOCIATES, INC.
 1000 BROADWAY, SUITE 1000
 PORTLAND, ME 04102
 PHONE: 207.733.2222

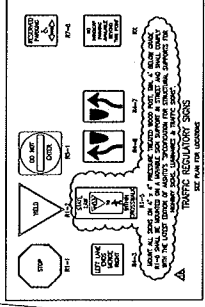
NO.	DATE	BY	CHKD.	DESCRIPTION
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GENERAL NOTES

- ALL EXISTING CONCRETE SHALL BE REPAIRED OR REPLACED AS SHOWN ON THE DRAWINGS.
- ALL EXISTING CURBS SHALL BE REPAIRED OR REPLACED AS SHOWN ON THE DRAWINGS.
- ALL EXISTING PAVEMENT SHALL BE REPAIRED OR REPLACED AS SHOWN ON THE DRAWINGS.
- ALL EXISTING UTILITIES SHALL BE PROTECTED OR RELOCATED AS SHOWN ON THE DRAWINGS.
- ALL EXISTING STRUCTURES SHALL BE REPAIRED OR REPLACED AS SHOWN ON THE DRAWINGS.
- ALL EXISTING SIGNAGE SHALL BE REPAIRED OR REPLACED AS SHOWN ON THE DRAWINGS.
- ALL EXISTING LIGHTING SHALL BE REPAIRED OR REPLACED AS SHOWN ON THE DRAWINGS.
- ALL EXISTING FENCES SHALL BE REPAIRED OR REPLACED AS SHOWN ON THE DRAWINGS.
- ALL EXISTING LANDSCAPING SHALL BE REPAIRED OR REPLACED AS SHOWN ON THE DRAWINGS.
- ALL EXISTING TREES SHALL BE PROTECTED OR RELOCATED AS SHOWN ON THE DRAWINGS.
- ALL EXISTING UTILITIES SHALL BE PROTECTED OR RELOCATED AS SHOWN ON THE DRAWINGS.
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- ALL EXISTING LANDSCAPING SHALL BE REPAIRED OR REPLACED AS SHOWN ON THE DRAWINGS.
- ALL EXISTING TREES SHALL BE PROTECTED OR RELOCATED AS SHOWN ON THE DRAWINGS.

PROJECT NO. 10-100
 SHEET NO. 10-100
 DATE OF ISSUE: 11/15/10

GRAPHIC SCALE
 1" = 100'



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: 6/22/2010
 Technician: MJK
 Gauge Model/Serial Number: L 500

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11194	Poorly Graded Sand	111.0	11.4
11151	3" Type D	133.0	7.3

Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	12" WATER MAIN - 100' NW of 6" branch	SG	105.9	5	96	11194
2	12" WATER MAIN - 120' NW of 6" branch	SG -2'	104.9	7	95	11194
3	12" WATER MAIN - 120' NW of 6" branch	SG -1'	105.0	6	95	11194
4	12" WATER MAIN - 120' NW of 6" branch	SG	106.0	7	96	11194
5	12" WATER MAIN - 160' NW of 6" branch	SG -3'	101.8	7	92	11194
6	12" WATER MAIN - 180' NW of 6" branch	SG -3'	105.6	6	95	11194
7	12" WATER MAIN - 180' NW of 6" branch	SG -2'	105.7	6	95	11194
8	Drain line - 1/2 between DMH OA-5 and CB OA-8	SG	104.9	6	95	11194
9	12" WATER MAIN - 140' NW of 6" branch	SG -3'	102.7	7	93	11194
10	12" WATER MAIN - 200' NW of 6" branch	SG -3'	107.1	6	97	11194
11	12" WATER MAIN - 200' NW of 6" branch	SG -2'	102.5	7	92	11194
12	DMH OA-5 - West side	SG	108.0	6	97	11194

Remarks: Tests reflecting Percent of Maximum Density less than 95% were taken on lifts 3 feet or greater below finished grade, and not under building structures.

FG = Finish Grade
 FF = Finish Floor
 FGB = Finish Grade of Base
 FGSB = Finish Grade of Subbase
 FGSG = Finish Grade of Subgrade

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Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11194	Poorly Graded Sand	111.0	11
11151	3" Type D	133.0	7.3

Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
13	20' NW of CB OA-14 (ex)	FG -8'	101.5	6	92	11194
14	Water Main - 140' NW of 6" branch	SG -1'	106.6	7	96	11194
15	Water Main - 220' NW of 6" branch	SG -3'	105.5	6	95	11194
16	Water Main - 140' NW of 6" branch	SG	111.0	5	100	11194
17	Water Main - 200' NW of 6" branch	SG -1'	105.1	4	95	11194
18	Water Main - 180' NW of 6" branch	SG -1'	105.4	5	95	11194
19	Water Main - 160' NW of 6" branch	SG -2'	104.3	6	94	11194
20	Water Main - 160' NW of 6" branch	SG -1'	105.5	6	95	11194
21	Water Main - 220' NW of 6" branch	SG -2'	102.4	5	92	11194
22	Water Main - 180' NW of 6" branch	SG	105.9	5	96	11194
23	Water Main - 200' NW of 6" branch	SG	105.2	5	95	11194
24						

Remarks: Tests reflecting Percent of Maximum Density less than 95% were taken on lifts 3 feet or greater below finished grade, and not under building structures.

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 PORTLAND, MAINE
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Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11194	Poorly Graded Sand	111.0	11
11151	3" Type D	133.0	7.3


Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
25	Drain line - 30' NW of CB OA-14 (ex)	FG -6'	108.9	4	98	11194
26	Drain line - 30' NW of CB OA-14 (ex)	FG -8'	102.7	5	93	11194
27	Wall backfill - 5' South of LP-1	FG -6'	126.6	4	95	11151
28	Wall backfill - 5' West of LP-1	FG -5'	138.6	5	100+	11151
29	Wall backfill - 5' South of LP-1	FG -4'	128.5	4	97	11151
30	Drain line - 30' NW of CB OA-14 (ex)	FG -8'	105.8	5	95	11194
31	Water main - 160' NW of 6" fire line	SG	105.4	6	95	11194
32	Water main - 160' NW of 6" fire line	SG -2'	105.6	5	95	11194
33	Water main - 160' NW of 6" fire line	SG -1'	105.7	5	95	11194
34	Water main - 160' NW of 6" fire line	SG -3'	103.2	6	93	11194
35	Water main - 160' NW of 6" fire line	SG	107.5	5	97	11194
36	Water main - 160' NW of 6" fire line	SG	104.9	5	95	11194

Remarks: Tests reflecting Percent of Maximum Density less than 95% were taken on lifts 3 feet or greater below finished grade, and not under building structures.

FG = Finish Grade
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 PORTLAND, MAINE
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Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11194	Poorly Graded Sand	111.0	11
11151	3" Type D	133.0	7.3

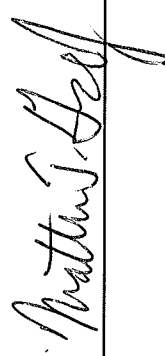
Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
37	Dran line - 90' NW of CB OA-14 (ex)	FG -8'	104.9	5	95	11194
38	Water main - 280' NW of 6" fire branch	SG -2'	101.6	5	92	11194
39	Water main - 300' NW of 6" fire branch	SG -1'	107.5	5	97	11194
40	Water main - 340' NW of 6" fire branch	SG -4.5'	104.1	7	94	11194
41	Water main - 280' NW of 6" fire branch	SG	106.9	5	96	11194
42	Water main - 320' NW of 6" fire branch	SG -1'	106.2	7	96	11194
43	Water main - 360' NW of 6" fire branch	SG -5'	105.1	5	95	11194

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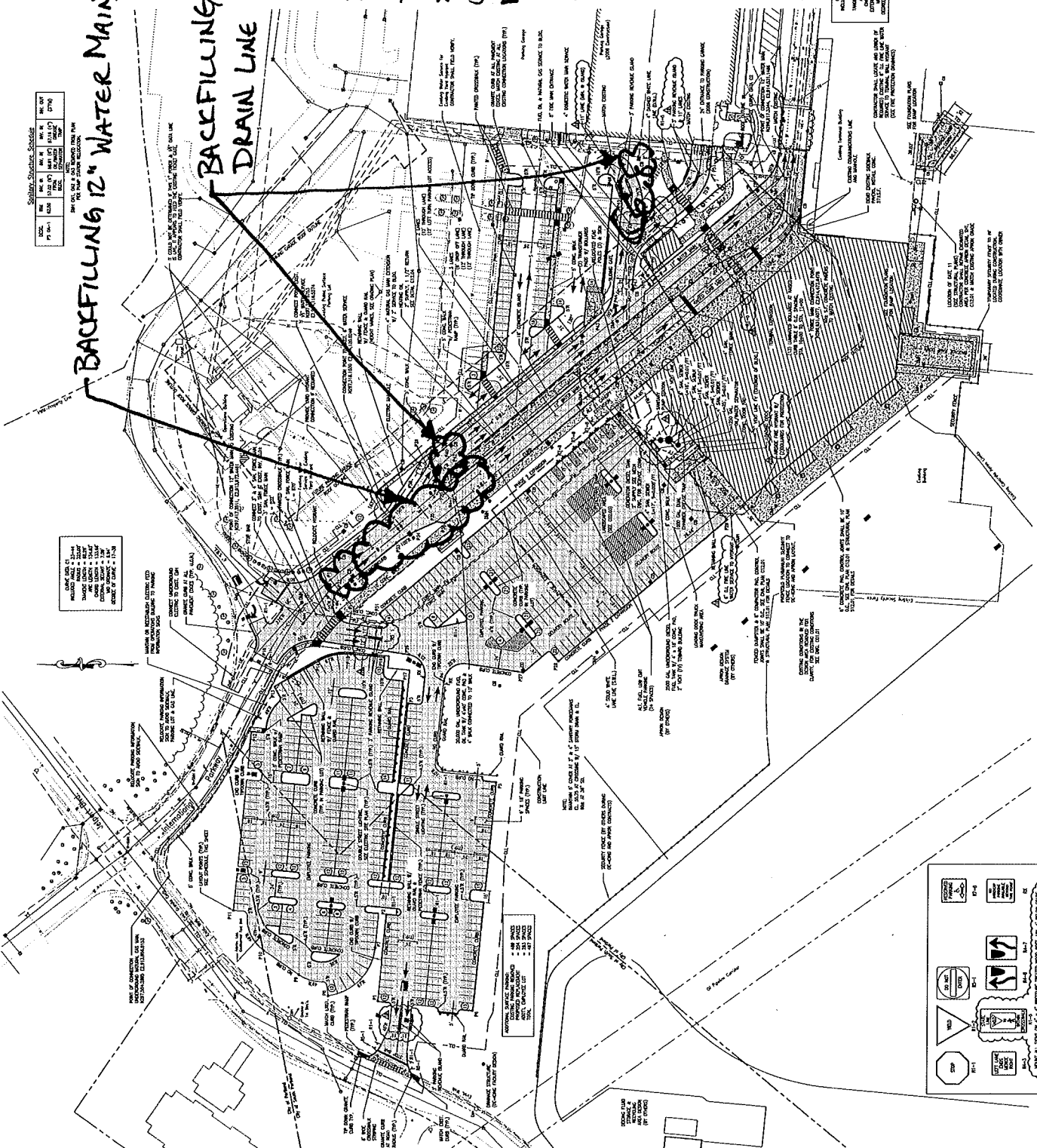
Portland International
Jetport
1801 Westwood Street
Portland, Maine 04102

Gensler
BEST ASSOCIATES, INC.
3000 K Street, NW
Washington, DC 20007
Phone: 202.233.8787

PORTLAND INT'L AIRPORT
TERMINAL EXPANSION
SS7-14
6-22-2010
MSK

NO.	DATE	DESCRIPTION
1	07/11/09	ISSUED FOR PERMITTING
2	07/27/09	REVISED FOR PERMITTING
3	08/10/09	REVISED FOR PERMITTING
4	08/10/09	REVISED FOR PERMITTING
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74	08/10/09	REVISED FOR PERMITTING
75	08/10/09	REVISED FOR PERMITTING
76	08/10/09	REVISED FOR PERMITTING
77	08/10/09	REVISED FOR PERMITTING
78	08/10/09	REVISED FOR PERMITTING
79	08/10/09	REVISED FOR PERMITTING
80	08/10/09	REVISED FOR PERMITTING
81	08/10/09	REVISED FOR PERMITTING
82	08/10/09	REVISED FOR PERMITTING
83	08/10/09	REVISED FOR PERMITTING
84	08/10/09	REVISED FOR PERMITTING
85	08/10/09	REVISED FOR PERMITTING
86	08/10/09	REVISED FOR PERMITTING
87	08/10/09	REVISED FOR PERMITTING
88	08/10/09	REVISED FOR PERMITTING
89	08/10/09	REVISED FOR PERMITTING
90	08/10/09	REVISED FOR PERMITTING
91	08/10/09	REVISED FOR PERMITTING
92	08/10/09	REVISED FOR PERMITTING
93	08/10/09	REVISED FOR PERMITTING
94	08/10/09	REVISED FOR PERMITTING
95	08/10/09	REVISED FOR PERMITTING
96	08/10/09	REVISED FOR PERMITTING
97	08/10/09	REVISED FOR PERMITTING
98	08/10/09	REVISED FOR PERMITTING
99	08/10/09	REVISED FOR PERMITTING
100	08/10/09	REVISED FOR PERMITTING

BACKFILLING 12" WATER MAIN
BACKFILLING DRAIN LINE



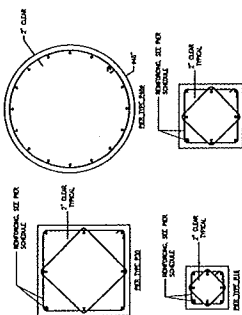
GENERAL NOTES

- ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES.
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GRAPHIC SCALE
1" = 100'

PROJECT INFORMATION
 PROJECT: PORTLAND INTERNATIONAL AIRPORT TERMINAL EXPANSION
 DRAWING NO.: SS7-14
 DATE: 06/22/2010
 DRAWN BY: MSK
 CHECKED BY: [Signature]
 APPROVED BY: [Signature]
 SEE EXHIBIT & EXISTING PLAN

IPD

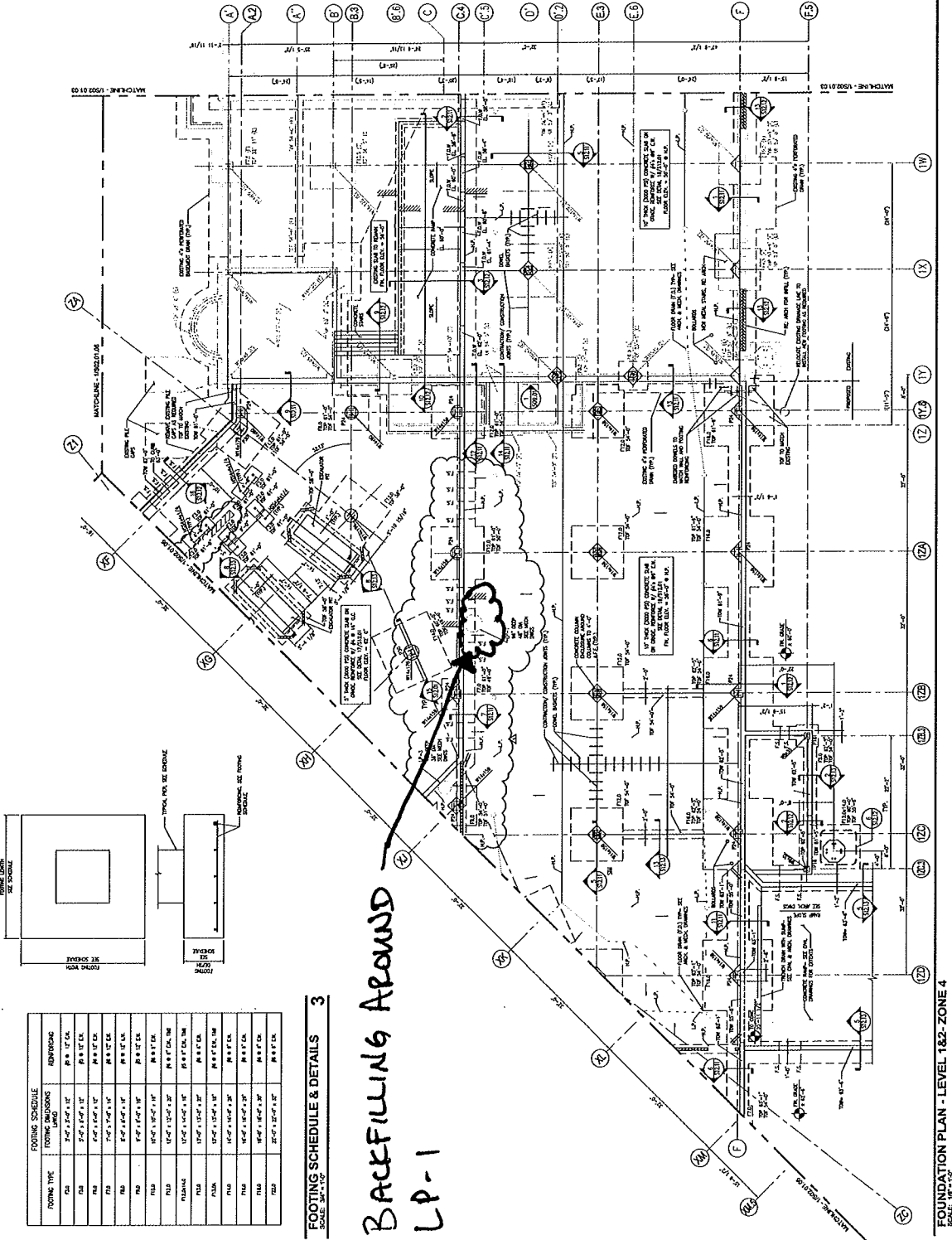


PIER SCHEDULE & DETAILS
SCALE: 3/4" = 1'-0"

FOOTING TYPE	FOOTING DIMENSIONS	REINFORCING
P1A	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1B	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1C	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1D	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1E	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1F	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1G	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1H	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1I	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1J	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1K	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1L	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1M	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1N	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1O	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1P	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1Q	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1R	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1S	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1T	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1U	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1V	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1W	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1X	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1Y	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.
P1Z	3'-0" x 3'-0" x 1'-0"	10 #5 @ 12" O.C.

FOOTING SCHEDULE & DETAILS
SCALE: 3/4" = 1'-0"

BACKFILLING AROUND
LP-1



FOUNDATION PLAN - LEVEL 1&2-ZONE 4
SCALE: 1/4" = 1'-0"

PORTLAND INT'L AIRPORT
TERMINAL EXPANSION
SS7-14
6-22-2010
HJK

SHEET NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE PORTLAND INTERNATIONAL AIRPORT CONSTRUCTION MANUAL, LATEST EDITION, AND THE PORTLAND INTERNATIONAL AIRPORT CONSTRUCTION SPECIFICATIONS, LATEST EDITION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE PORTLAND INTERNATIONAL AIRPORT AUTHORITY.
3. ALL WORK SHALL BE IN ACCORDANCE WITH THE PORTLAND INTERNATIONAL AIRPORT CONSTRUCTION MANUAL, LATEST EDITION, AND THE PORTLAND INTERNATIONAL AIRPORT CONSTRUCTION SPECIFICATIONS, LATEST EDITION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE PORTLAND INTERNATIONAL AIRPORT AUTHORITY.
5. ALL WORK SHALL BE IN ACCORDANCE WITH THE PORTLAND INTERNATIONAL AIRPORT CONSTRUCTION MANUAL, LATEST EDITION, AND THE PORTLAND INTERNATIONAL AIRPORT CONSTRUCTION SPECIFICATIONS, LATEST EDITION.

Portland International
Jetport
1001 Westbrook Street
Portland, Maine 04102

Gensler

MESE ASSOCIATES, INC.
1000 Congress Street
Portland, Maine 04102

MESE ASSOCIATES, INC.
1000 Congress Street
Portland, Maine 04102

MESE ASSOCIATES, INC.
1000 Congress Street
Portland, Maine 04102

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE PORTLAND INTERNATIONAL AIRPORT CONSTRUCTION MANUAL, LATEST EDITION, AND THE PORTLAND INTERNATIONAL AIRPORT CONSTRUCTION SPECIFICATIONS, LATEST EDITION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE PORTLAND INTERNATIONAL AIRPORT AUTHORITY.
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4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE PORTLAND INTERNATIONAL AIRPORT AUTHORITY.
5. ALL WORK SHALL BE IN ACCORDANCE WITH THE PORTLAND INTERNATIONAL AIRPORT CONSTRUCTION MANUAL, LATEST EDITION, AND THE PORTLAND INTERNATIONAL AIRPORT CONSTRUCTION SPECIFICATIONS, LATEST EDITION.

KEY PLAN



S02.01.04

Scale: 1/4" = 1'-0"

S02.01.04

20F2

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: 6/23/2010
 Technician: MJK
 Gauge Model/Serial Number: L 500

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11194	Poorly Graded Sand	111.0	11.4
11151	3" Type D	133.0	7.3

Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	Water main - Roadway STA 4+35	FG -5'	104.7	5	94	11194
2	Water main - Roadway STA 4+20	FG -4'	104.4	5	94	11194
3	Water main - Roadway STA 4+20	FG -3'	105.9	4	95	11194
4	Water main - Roadway STA 4+20	FG -2'	109.7	5	99	11194
5	10' NW of pier @ ZB/XH	FG -8.5'	128.4	4	97	11151
6	5' SE of pier @ ZB/XH	FG -8.5'	128.6	4	97	11151

Remarks: Tests reflecting Percent of Maximum Density less than 95% were taken on lifts 3 feet or greater below finished grade, and not under building structures.

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: 

IRD

Portland International
Jetport
1001 Westbrook Street
Portland, Maine 04102

Gensler

mgsf ASSOCIATES, INC.
ARCHITECTS - INTERIORS - LANDSCAPE ARCHITECTS - CONSTRUCTION MANAGERS

2014 Gensler Ave
Suite 100
Portland, Maine 04103
Phone: 207.773.0200
Fax: 207.773.0202

**PORTLAND INT'L AIRPORT
TERMINAL EXPANSION**

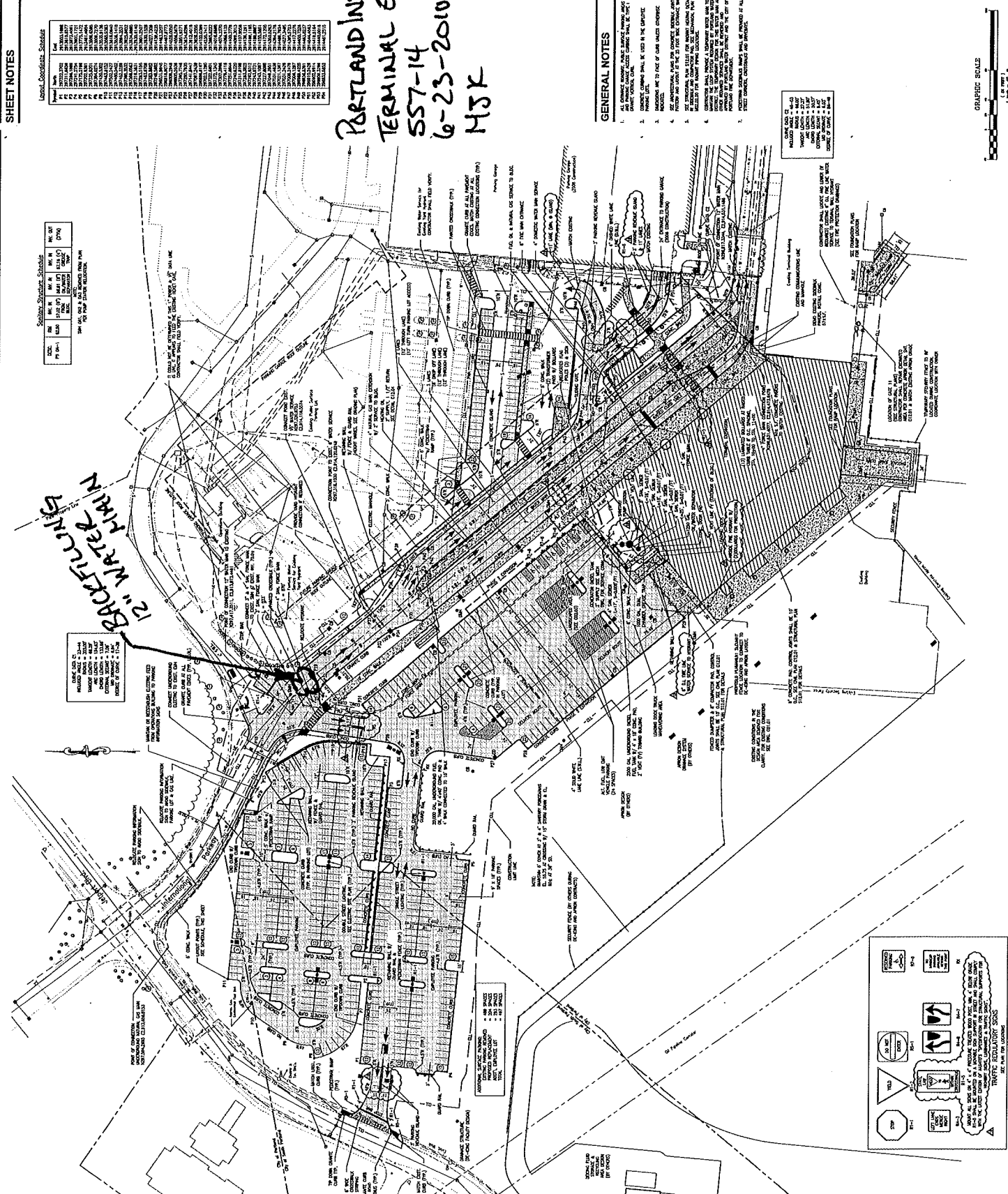
SS7-14
6-23-2010
MSK

SHEET NOTES

Legend: Ordinate Schedule
NO. 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

GENERAL NOTES

1. ALL CONTRACT WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE SPECIFICATIONS FOR AIRPORTS AND AIRWAYS, PART 1, DIVISION 5, AND THE AIRPORT CONSTRUCTION MANUAL, 3E, PART 1, DIVISION 5.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES.
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10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES.



GRAPHIC SCALE
1" = 10' - 0"

C02.01

DATE: 06/23/10

BY: MSK

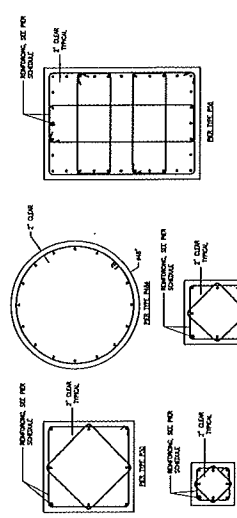
TRAFFIC REGULATORY SIGNS

- 1. STOP SIGN (R1-1)
- 2. YIELD SIGN (R1-2)
- 3. AHEAD OF STOP SIGN (R1-6)
- 4. AHEAD OF YIELD SIGN (R1-7)
- 5. NO LEFT TURN SIGN (R1-10)
- 6. NO RIGHT TURN SIGN (R1-11)
- 7. NO U-TURN SIGN (R1-12)
- 8. NO THROUGH TRUCKS SIGN (R1-13)
- 9. NO THROUGH TRUCKS WITH TRUCK HEIGHT SIGN (R1-14)
- 10. NO THROUGH TRUCKS WITH TRUCK WEIGHT SIGN (R1-15)
- 11. NO THROUGH TRUCKS WITH TRUCK WEIGHT AND HEIGHT SIGN (R1-16)
- 12. NO THROUGH TRUCKS WITH TRUCK WEIGHT AND HEIGHT AND WIND SIGN (R1-17)
- 13. NO THROUGH TRUCKS WITH TRUCK WEIGHT AND HEIGHT AND WIND AND LENGTH SIGN (R1-18)
- 14. NO THROUGH TRUCKS WITH TRUCK WEIGHT AND HEIGHT AND WIND AND LENGTH AND WIDTH SIGN (R1-19)
- 15. NO THROUGH TRUCKS WITH TRUCK WEIGHT AND HEIGHT AND WIND AND LENGTH AND WIDTH AND HEIGHT SIGN (R1-20)
- 16. NO THROUGH TRUCKS WITH TRUCK WEIGHT AND HEIGHT AND WIND AND LENGTH AND WIDTH AND HEIGHT AND LENGTH SIGN (R1-21)
- 17. NO THROUGH TRUCKS WITH TRUCK WEIGHT AND HEIGHT AND WIND AND LENGTH AND WIDTH AND HEIGHT AND LENGTH AND WIDTH SIGN (R1-22)
- 18. NO THROUGH TRUCKS WITH TRUCK WEIGHT AND HEIGHT AND WIND AND LENGTH AND WIDTH AND HEIGHT AND LENGTH AND WIDTH AND LENGTH SIGN (R1-23)
- 19. NO THROUGH TRUCKS WITH TRUCK WEIGHT AND HEIGHT AND WIND AND LENGTH AND WIDTH AND HEIGHT AND LENGTH AND WIDTH AND LENGTH AND WIDTH SIGN (R1-24)
- 20. NO THROUGH TRUCKS WITH TRUCK WEIGHT AND HEIGHT AND WIND AND LENGTH AND WIDTH AND HEIGHT AND LENGTH AND WIDTH AND LENGTH AND WIDTH SIGN (R1-25)

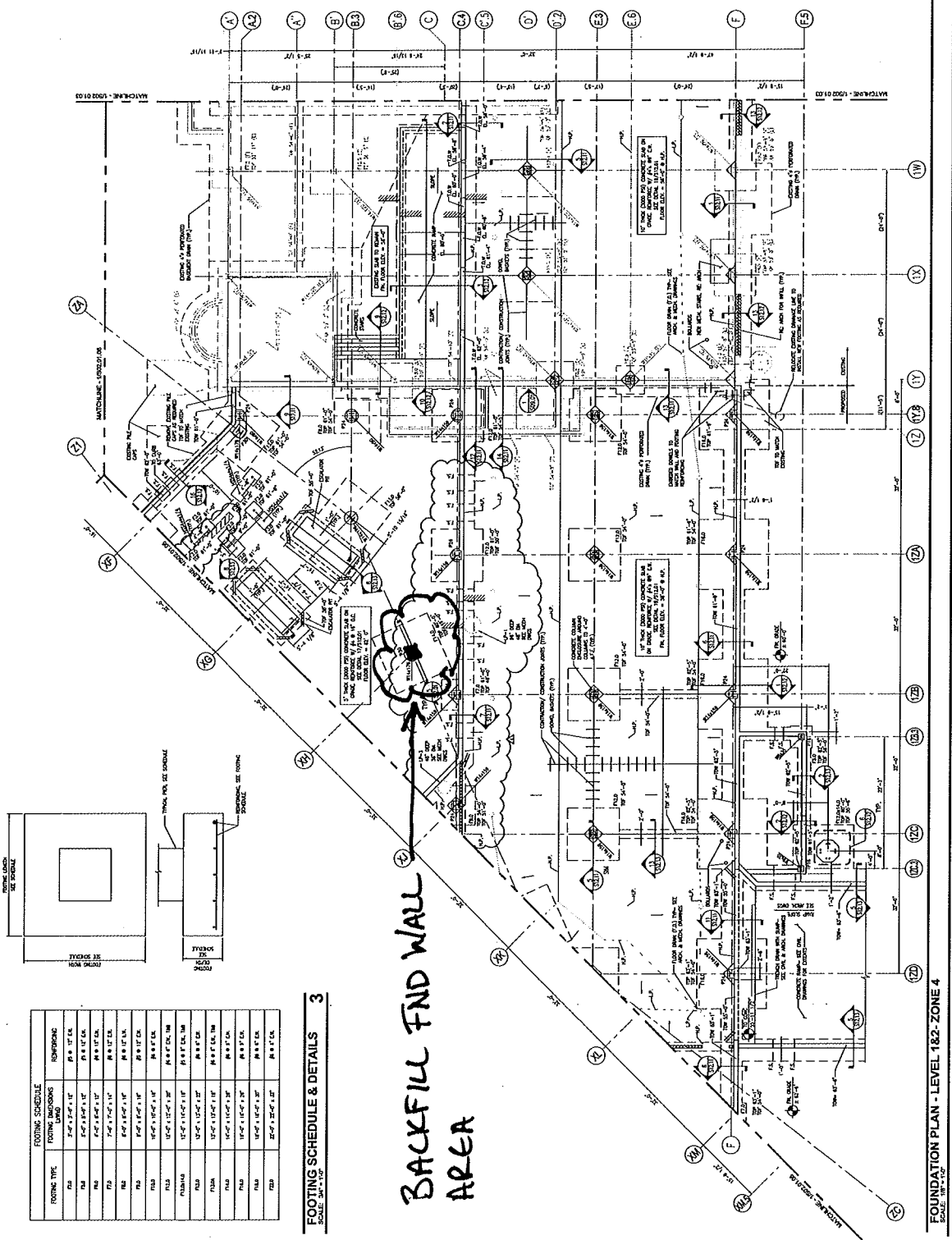
IPD

PORTLAND INT'L SETPORT
 TERMINAL EXPANSION
 557-14
 6-23-2010
 HSK

FOOTING TYPE	FOOTING DIMENSIONS (L x W)	REINFORCEMENT (SEE SCHEDULE)	CONCRETE STRENGTH
F1	3'-0" x 1'-0"	4#4 @ 12" O.C.	4000 PSI
F2	3'-0" x 1'-6"	4#4 @ 12" O.C.	4000 PSI
F3	3'-0" x 2'-0"	4#4 @ 12" O.C.	4000 PSI
F4	3'-0" x 2'-6"	4#4 @ 12" O.C.	4000 PSI
F5	3'-0" x 3'-0"	4#4 @ 12" O.C.	4000 PSI
F6	3'-0" x 3'-6"	4#4 @ 12" O.C.	4000 PSI
F7	3'-0" x 4'-0"	4#4 @ 12" O.C.	4000 PSI
F8	3'-0" x 4'-6"	4#4 @ 12" O.C.	4000 PSI
F9	3'-0" x 5'-0"	4#4 @ 12" O.C.	4000 PSI
F10	3'-0" x 5'-6"	4#4 @ 12" O.C.	4000 PSI
F11	3'-0" x 6'-0"	4#4 @ 12" O.C.	4000 PSI
F12	3'-0" x 6'-6"	4#4 @ 12" O.C.	4000 PSI
F13	3'-0" x 7'-0"	4#4 @ 12" O.C.	4000 PSI
F14	3'-0" x 7'-6"	4#4 @ 12" O.C.	4000 PSI
F15	3'-0" x 8'-0"	4#4 @ 12" O.C.	4000 PSI
F16	3'-0" x 8'-6"	4#4 @ 12" O.C.	4000 PSI
F17	3'-0" x 9'-0"	4#4 @ 12" O.C.	4000 PSI
F18	3'-0" x 9'-6"	4#4 @ 12" O.C.	4000 PSI
F19	3'-0" x 10'-0"	4#4 @ 12" O.C.	4000 PSI
F20	3'-0" x 10'-6"	4#4 @ 12" O.C.	4000 PSI



FOOTING SCHEDULE & DETAILS 3



BACKFILL FND WALL
 AREA

FOUNDATION PLAN - LEVEL 182 - ZONE 4

SHEET NOTES

1. MATCHING LINE TO SHEET 182-101
2. MATCHING LINE TO SHEET 182-102
3. MATCHING LINE TO SHEET 182-103
4. MATCHING LINE TO SHEET 182-104
5. MATCHING LINE TO SHEET 182-105
6. MATCHING LINE TO SHEET 182-106
7. MATCHING LINE TO SHEET 182-107
8. MATCHING LINE TO SHEET 182-108
9. MATCHING LINE TO SHEET 182-109
10. MATCHING LINE TO SHEET 182-110
11. MATCHING LINE TO SHEET 182-111
12. MATCHING LINE TO SHEET 182-112
13. MATCHING LINE TO SHEET 182-113
14. MATCHING LINE TO SHEET 182-114
15. MATCHING LINE TO SHEET 182-115
16. MATCHING LINE TO SHEET 182-116
17. MATCHING LINE TO SHEET 182-117
18. MATCHING LINE TO SHEET 182-118
19. MATCHING LINE TO SHEET 182-119
20. MATCHING LINE TO SHEET 182-120

GENERAL NOTES

1. ALL CONCRETE SHALL BE 4000 PSI STRENGTH CONCRETE UNLESS OTHERWISE NOTED.
2. ALL REINFORCEMENT SHALL BE #4 UNLESS OTHERWISE NOTED.
3. ALL REINFORCEMENT SHALL BE PLACED AS SHOWN ON DRAWING.
4. ALL REINFORCEMENT SHALL BE TIED TOGETHER AS SHOWN ON DRAWING.
5. ALL REINFORCEMENT SHALL BE LAP SPICED AS SHOWN ON DRAWING.
6. ALL REINFORCEMENT SHALL BE DEVELOPED AS SHOWN ON DRAWING.
7. ALL REINFORCEMENT SHALL BE PROTECTED AS SHOWN ON DRAWING.
8. ALL REINFORCEMENT SHALL BE CLEAN AND FREE OF OIL AND GREASE.
9. ALL REINFORCEMENT SHALL BE PLACED WITHIN THE CONCRETE AS SHOWN ON DRAWING.
10. ALL REINFORCEMENT SHALL BE PLACED WITHIN THE CONCRETE AS SHOWN ON DRAWING.
11. ALL REINFORCEMENT SHALL BE PLACED WITHIN THE CONCRETE AS SHOWN ON DRAWING.
12. ALL REINFORCEMENT SHALL BE PLACED WITHIN THE CONCRETE AS SHOWN ON DRAWING.
13. ALL REINFORCEMENT SHALL BE PLACED WITHIN THE CONCRETE AS SHOWN ON DRAWING.
14. ALL REINFORCEMENT SHALL BE PLACED WITHIN THE CONCRETE AS SHOWN ON DRAWING.
15. ALL REINFORCEMENT SHALL BE PLACED WITHIN THE CONCRETE AS SHOWN ON DRAWING.
16. ALL REINFORCEMENT SHALL BE PLACED WITHIN THE CONCRETE AS SHOWN ON DRAWING.
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18. ALL REINFORCEMENT SHALL BE PLACED WITHIN THE CONCRETE AS SHOWN ON DRAWING.
19. ALL REINFORCEMENT SHALL BE PLACED WITHIN THE CONCRETE AS SHOWN ON DRAWING.
20. ALL REINFORCEMENT SHALL BE PLACED WITHIN THE CONCRETE AS SHOWN ON DRAWING.

KEY PLAN

Portland International
 Jetport
 1001 Westbrook Street
 Portland, Maine 04102

Gensler

PRSF ASSOCIATES, INC.
 ENGINEER - ARCHITECT - SURVEYOR - CONSTRUCTION MANAGER

2025 BLDG. DIV.
 1001 WESTBROOK STREET
 PORTLAND, ME 04102
 PHONE: 603.771.2000
 FAX: 603.771.2001
 WWW.PRSF.COM

FOUNDATION PLAN - LEVEL 182 - ZONE 4
 1/8" = 1'-0"
 S02.01.04

2 of 2

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: 6/23/2010
 Technician: RRC
 Gauge Model/Serial Number: L 244

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11194	Poorly Graded Sand	111.0	11.4
11151	3" Type D	133.0	7.3

Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	100' NW of Catch Basin OA-14	FG -6'	128.1	8	96	11194
2	120' NW of Catch Basin OA-14	FG -6'	127.2	6	95	11194
3	Foundation Backfill - See Sketch	TOF+1'	135.7	5	100+	11151
4	Foundation Backfill - See Sketch	TOF+1'	127.5	4	97	11151
5	Foundation Backfill - See Sketch	TOF-2'	127.5	5	96	11151
6	Foundation Backfill - See Sketch	TOF-2'	127.5	5	96	11151
7	Foundation Backfill - See Sketch	TOF+2'	126.7	3	95	11151
8	Foundation Backfill - See Sketch	TOF+2'	127.6	3	96	11151
9	Foundation Backfill - See Sketch	TOF-1'	126.6	5	95	11151
10	Foundation Backfill - See Sketch	TOF	126.1	4	95	11151

Remarks: Tests reflecting Percent of Maximum Density less than 95% were taken on lifts 3 feet or greater below finished grade, and not under building structures.

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
 TOF = Top of Footing
 SG = Subgrade

Checked by: *Arthur J. Goff*

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: 6/23/2010
 Technician: RRC
 Gauge Model/Serial Number: L 244

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11194	Poorly Graded Sand	111.0	11.4
11151	3" Type D	133.0	7.3

Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
11	Foundation Backfill - See Sketch	TOF+3'	129.6	3	98	11151
12	Foundation Backfill - See Sketch	TOF+3'	126.7	4	95	11151
13	Foundation Backfill - See Sketch	TOF+1'	127.6	4	96	11151
14	Foundation Backfill - See Sketch	TOF+4'	129.9	3	98	11151
15	Foundation Backfill - See Sketch	TOF+4'	126.8	4	95	11151
16	Foundation Backfill - See Sketch	TOF+2'	127.2	4	96	11151
17	Foundation Backfill - See Sketch	TOF+5'	132.1	5	99	11151
18	Foundation Backfill - See Sketch	TOF+5'	129.1	3	97	11151

Remarks: Tests reflecting Percent of Maximum Density less than 95% were taken on lifts 3 feet or greater below finished grade, and not under building structures.

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
 TOF = Top of Footing
 SG = Subgrade

Checked by: 

Portland International
Jetport
3901 Westbrook Street
Portland, Maine 04102

Gensler
WEST ASSOCIATES, INC.
ARCHITECTS

DATE	DESCRIPTION
11/11/99	ISSUED FOR PERMIT
07/20/99	ISSUED FOR PERMIT
03/27/99	ISSUED FOR PERMIT
03/27/99	ISSUED FOR PERMIT
03/27/99	ISSUED FOR PERMIT

Scale: 1/8" = 1'-0"
North Arrow
Sheet No. C02.02
Project No. 557-14

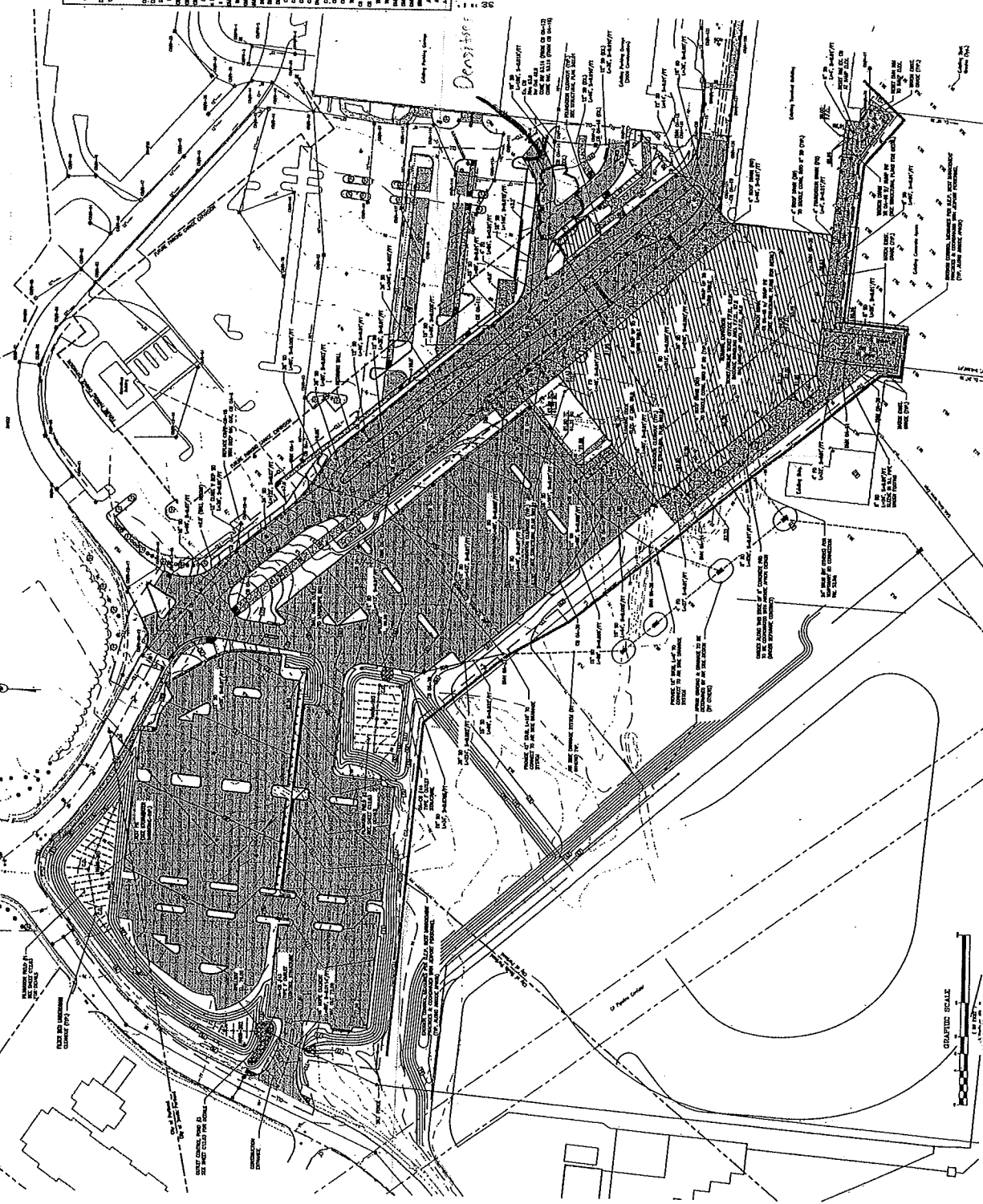
PORTLAND INTERNATIONAL JETPORT
TERMINAL EXPANSION PROJECT
PROJECT NO. 557-14
DATE: 6/23/00
TECHNOLOGIST:

NO.	DESCRIPTION	DATE	BY	CHECKED	APPROVED
1	ISSUED FOR PERMIT	11/11/99	J. GENS	J. GENS	J. GENS
2	ISSUED FOR PERMIT	07/20/99	J. GENS	J. GENS	J. GENS
3	ISSUED FOR PERMIT	03/27/99	J. GENS	J. GENS	J. GENS
4	ISSUED FOR PERMIT	03/27/99	J. GENS	J. GENS	J. GENS
5	ISSUED FOR PERMIT	03/27/99	J. GENS	J. GENS	J. GENS
6	ISSUED FOR PERMIT	03/27/99	J. GENS	J. GENS	J. GENS
7	ISSUED FOR PERMIT	03/27/99	J. GENS	J. GENS	J. GENS
8	ISSUED FOR PERMIT	03/27/99	J. GENS	J. GENS	J. GENS
9	ISSUED FOR PERMIT	03/27/99	J. GENS	J. GENS	J. GENS
10	ISSUED FOR PERMIT	03/27/99	J. GENS	J. GENS	J. GENS
11	ISSUED FOR PERMIT	03/27/99	J. GENS	J. GENS	J. GENS
12	ISSUED FOR PERMIT	03/27/99	J. GENS	J. GENS	J. GENS
13	ISSUED FOR PERMIT	03/27/99	J. GENS	J. GENS	J. GENS
14	ISSUED FOR PERMIT	03/27/99	J. GENS	J. GENS	J. GENS
15	ISSUED FOR PERMIT	03/27/99	J. GENS	J. GENS	J. GENS
16	ISSUED FOR PERMIT	03/27/99	J. GENS	J. GENS	J. GENS
17	ISSUED FOR PERMIT	03/27/99	J. GENS	J. GENS	J. GENS
18	ISSUED FOR PERMIT	03/27/99	J. GENS	J. GENS	J. GENS
19	ISSUED FOR PERMIT	03/27/99	J. GENS	J. GENS	J. GENS
20	ISSUED FOR PERMIT	03/27/99	J. GENS	J. GENS	J. GENS

GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF PORTLAND, MAINE, DEPARTMENT OF PUBLIC WORKS, DIVISION OF PUBLIC UTILITIES, SPECIFICATIONS FOR THE CONSTRUCTION OF AIRPORTS, CHAPTER 225, SECTION 225.00.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PORTLAND, MAINE, AND THE FEDERAL AVIATION ADMINISTRATION (FAA).
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF PORTLAND, MAINE, DEPARTMENT OF PUBLIC WORKS, DIVISION OF PUBLIC UTILITIES, SPECIFICATIONS FOR THE CONSTRUCTION OF AIRPORTS, CHAPTER 225, SECTION 225.00.
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- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PORTLAND, MAINE, AND THE FEDERAL AVIATION ADMINISTRATION (FAA).

Scale: 1/8" = 1'-0"
North Arrow
Sheet No. C02.02
Project No. 557-14



6/23/10

Portland International
Jetport
1001 Westbank Street
Portland, Maine 04102

Gensler

nest ASSOCIATES, INC.
ARCHITECTS

PROJECT: 557-14
TERMINAL RENOVATION
DATE: 6/23/10
JOB: R.C.

06 IN LOCATION

SHEET NOTES
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE PORTLAND INTERNATIONAL JETPORT RENOVATION CONTRACT DOCUMENTS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES.
3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING UTILITIES AND SERVICES.
4. ALL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
5. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A SAFE AND SOUND CONDITION AT ALL TIMES.
6. ALL MATERIALS AND METHODS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING STRUCTURES AND UTILITIES.
8. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE PORTLAND INTERNATIONAL JETPORT RENOVATION CONTRACT DOCUMENTS.

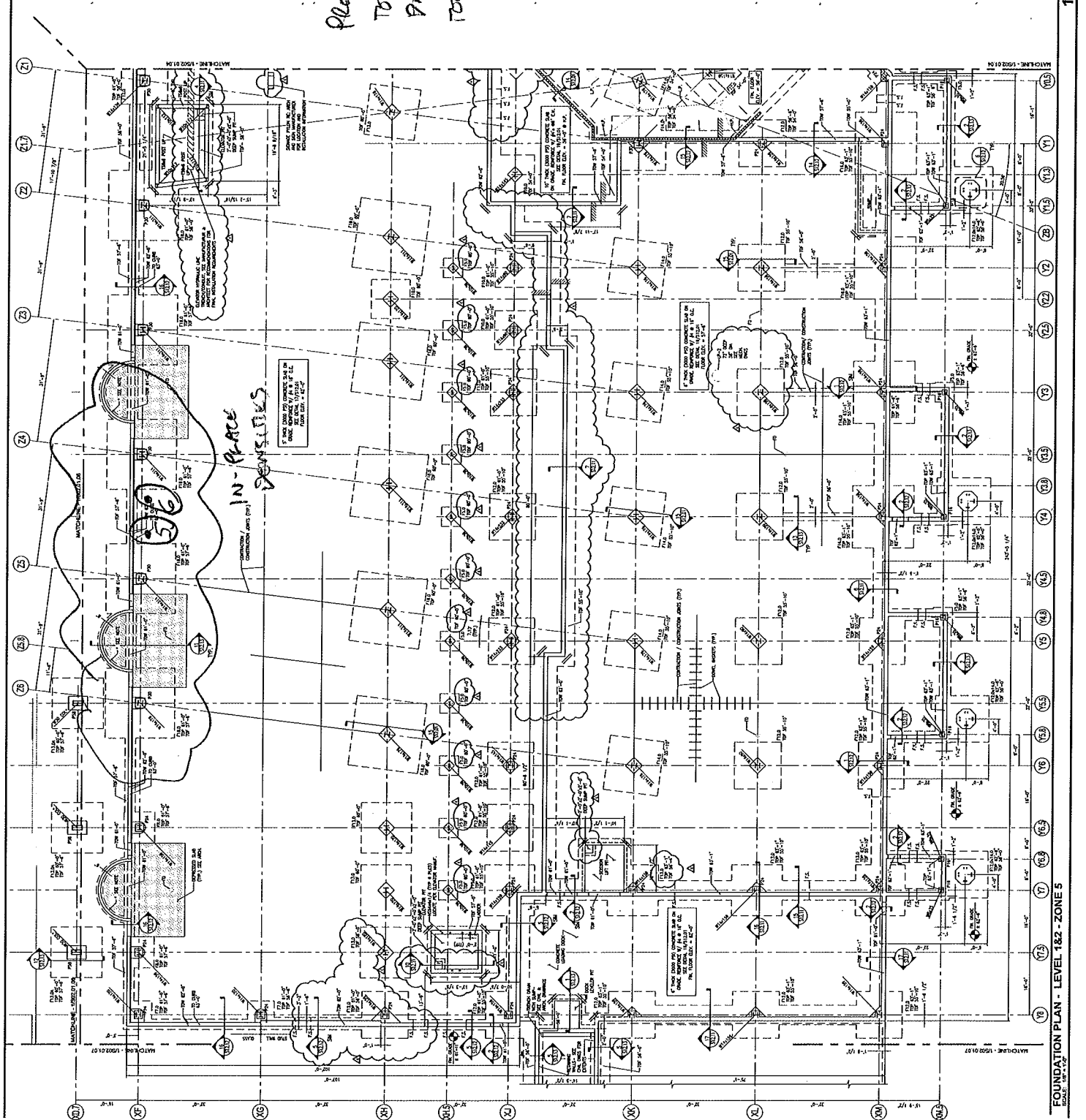
GENERAL NOTES
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE PORTLAND INTERNATIONAL JETPORT RENOVATION CONTRACT DOCUMENTS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES.
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4. ALL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
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6. ALL MATERIALS AND METHODS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING STRUCTURES AND UTILITIES.
8. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE PORTLAND INTERNATIONAL JETPORT RENOVATION CONTRACT DOCUMENTS.

KEY PLAN

FOUNDATION PLAN - LEVEL 182 - ZONE 3

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

S02.01.05



FOUNDATION PLAN - LEVEL 182 - ZONE 3

6/23/10

Portland International
Jetport
1001 Westbrook Street
Portland, Maine 04102

Genisler

meesi ASSOCIATES, INC.
REGISTERED PROFESSIONAL ENGINEER
CONSTRUCTION

PROJECT: 557-14
TERRAZZO ENHANCEMENTS
DATE: 6/23/10
TJL: RJC
17 IPD LOCATIONS

SHEET NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODES AND ALL APPLICABLE LOCAL ORDINANCES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES.
3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT AREAS AT ALL TIMES.
4. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND STRUCTURES.
5. THE CONTRACTOR SHALL MAINTAIN THE EXISTING GRADE AND FINISHES.
6. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CURBS AND SIDEWALKS.
7. THE CONTRACTOR SHALL MAINTAIN THE EXISTING DRIVEWAYS AND PAVEMENTS.
8. THE CONTRACTOR SHALL MAINTAIN THE EXISTING SIGNAGE AND MARKINGS.
9. THE CONTRACTOR SHALL MAINTAIN THE EXISTING LIGHTING AND ELECTRICAL SYSTEMS.
10. THE CONTRACTOR SHALL MAINTAIN THE EXISTING MECHANICAL AND PLUMBING SYSTEMS.
11. THE CONTRACTOR SHALL MAINTAIN THE EXISTING STRUCTURAL MEMBERS.
12. THE CONTRACTOR SHALL MAINTAIN THE EXISTING FOUNDATION SYSTEMS.
13. THE CONTRACTOR SHALL MAINTAIN THE EXISTING ROOFING SYSTEMS.
14. THE CONTRACTOR SHALL MAINTAIN THE EXISTING INTERIORS AND FINISHES.
15. THE CONTRACTOR SHALL MAINTAIN THE EXISTING EXTERIORS AND FINISHES.

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODES AND ALL APPLICABLE LOCAL ORDINANCES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES.
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4. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND STRUCTURES.
5. THE CONTRACTOR SHALL MAINTAIN THE EXISTING GRADE AND FINISHES.
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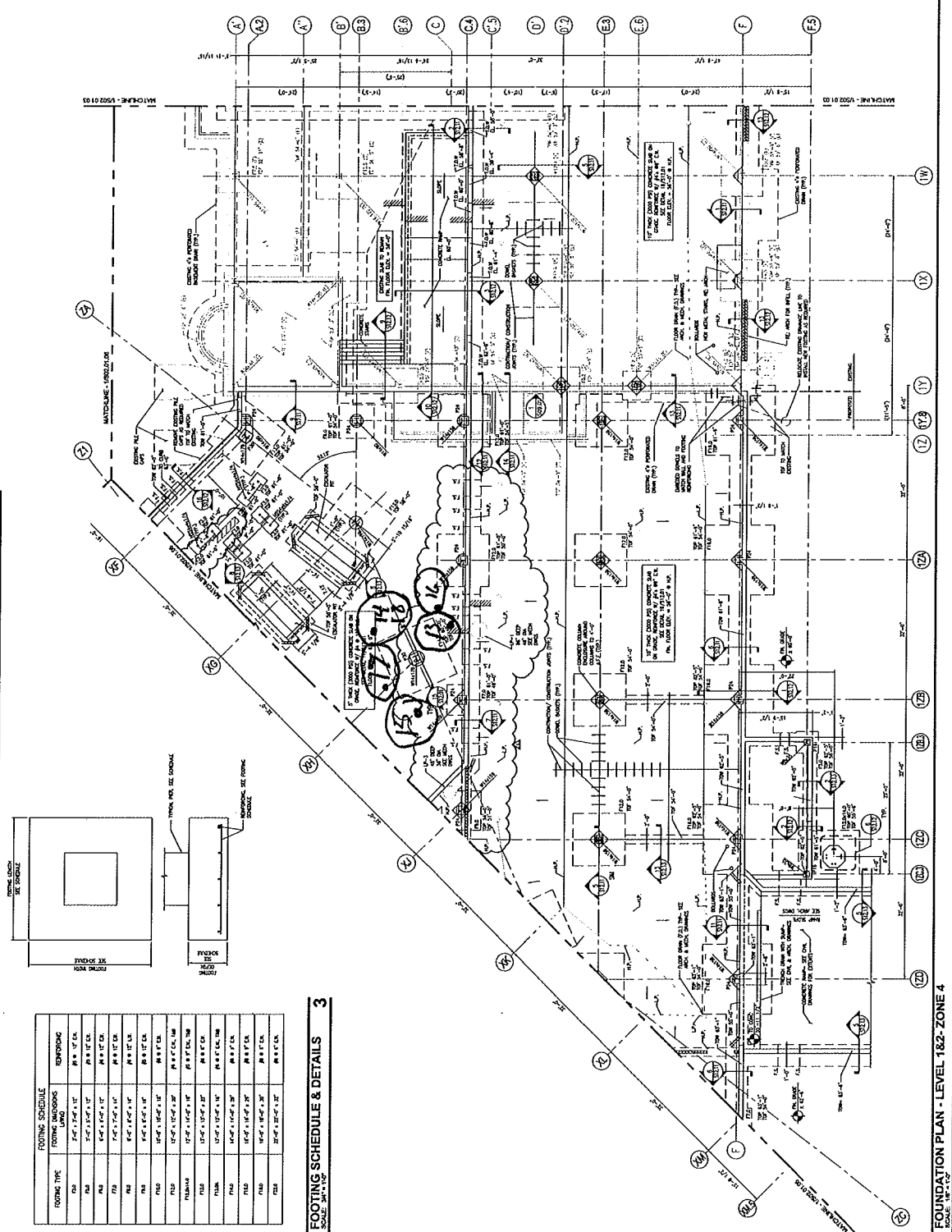
Scale: 1/8" = 1'-0"
S02.01.04



PROJECT: 557-14
TERRAZZO ENHANCEMENTS
DATE: 6/23/10
TJL: RJC
17 IPD LOCATIONS

PIER SCHEDULE & DETAILS
SCALE: 3/4" = 1'-0"

PIER TYPE	PIER SCHEDULE	YES
P1	10' x 10' x 12"	PI 10' x 10' x 12"
P2	10' x 10' x 12"	PI 10' x 10' x 12"
P3	10' x 10' x 12"	PI 10' x 10' x 12"
P4	10' x 10' x 12"	PI 10' x 10' x 12"
P5	10' x 10' x 12"	PI 10' x 10' x 12"
P6	10' x 10' x 12"	PI 10' x 10' x 12"
P7	10' x 10' x 12"	PI 10' x 10' x 12"
P8	10' x 10' x 12"	PI 10' x 10' x 12"
P9	10' x 10' x 12"	PI 10' x 10' x 12"
P10	10' x 10' x 12"	PI 10' x 10' x 12"
P11	10' x 10' x 12"	PI 10' x 10' x 12"
P12	10' x 10' x 12"	PI 10' x 10' x 12"
P13	10' x 10' x 12"	PI 10' x 10' x 12"
P14	10' x 10' x 12"	PI 10' x 10' x 12"
P15	10' x 10' x 12"	PI 10' x 10' x 12"
P16	10' x 10' x 12"	PI 10' x 10' x 12"
P17	10' x 10' x 12"	PI 10' x 10' x 12"



FOUNDATION PLAN - LEVEL 1&2 - ZONE 4
SCALE: 1/8" = 1'-0"

FOOTING SCHEDULE & DETAILS
SCALE: 3/4" = 1'-0"

FOOTING TYPE	FOOTING SCHEDULE	FOOTING
F1	10' x 10' x 12"	FO 10' x 10' x 12"
F2	10' x 10' x 12"	FO 10' x 10' x 12"
F3	10' x 10' x 12"	FO 10' x 10' x 12"
F4	10' x 10' x 12"	FO 10' x 10' x 12"
F5	10' x 10' x 12"	FO 10' x 10' x 12"
F6	10' x 10' x 12"	FO 10' x 10' x 12"
F7	10' x 10' x 12"	FO 10' x 10' x 12"
F8	10' x 10' x 12"	FO 10' x 10' x 12"
F9	10' x 10' x 12"	FO 10' x 10' x 12"
F10	10' x 10' x 12"	FO 10' x 10' x 12"
F11	10' x 10' x 12"	FO 10' x 10' x 12"
F12	10' x 10' x 12"	FO 10' x 10' x 12"
F13	10' x 10' x 12"	FO 10' x 10' x 12"
F14	10' x 10' x 12"	FO 10' x 10' x 12"
F15	10' x 10' x 12"	FO 10' x 10' x 12"
F16	10' x 10' x 12"	FO 10' x 10' x 12"
F17	10' x 10' x 12"	FO 10' x 10' x 12"

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

Client: City of Portland
 Test Date: 6/24/2010
 Technician: MJK
 Gauge Model/Serial Number: L 500

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11194	Poorly Graded Sand	111.0	11.4
11151	3" Type D	133.0	7.3
11175	Subbase Gravel	129.8	8.4

Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	Area C - 15' West of pier @ ZB/XH	FG -7.5'	128.2	4	96	11151
2	Area C - 5' NE of C.4/1ZA	TOF +1'	120.5	3	96	11175
3	Area C - 5' NE of C.4/1ZA	TOF +2'	125.0	4	96	11175
4	Area C - 10' South of LP-1	TOP +1'	107.5	5	97	11194
5	Area C - 10' East of LP-1	TOW -11'	124.8	4	96	11175
6	Area C - 10' East of LP-1	TOW -10'	126.9	4	98	11175
7	Area C - 10' North of C.4/1ZA	TOF +3'	123.2	4	95	11175
8	Area C - 10' NW of LP-1	TOW -12'	126.6	6	98	11175
9	Area C - 10' East of LP-1	TOW -9'	122.8	6	95	11175
10	Area C - 10' NW of LP-1	TOW -11'	129.6	4	100	11175
11	Area B - NW side of CB OA-13	FG -8'	104.5	6	94	11194
12	Area C - 10' NW of LP-1	TOW -10'	126.0	4	97	11175

Remarks: Tests reflecting Percent of Maximum Density less than 95% were taken on lifts 3 feet or greater below finished grade, and not under building structures.

- FG = Finish Grade
- FF = Finish Floor
- FGFB = 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: 

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: 6/24/2010
 Technician: MJK
 Gauge Model/Serial Number: L 500

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11194	Poorly Graded Sand	111.0	11
11175	Subbase Gravel	129.8	8

Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
13	Area C - 10' East of LP-1	TOW -8'	127.6	4	98	11175
14	Area B - 10' East of CB OA-13	FG -6'	105.8	5	95	11194
15	Area B - 10' NW of CB OA-13	FG -5'	110.7	6	100	11194
16	Area B - North side of DMH OA-22	FG -4'	107.6	5	97	11194
17	Area B - 10' NW of CB OA-13	FG -4'	104.4	6	94	11194
18	Area B - North side of DMH OA-22	FG -3'	111.2	5	100+	11194
19	Area B - 20' NW of CB OA-13	FG -2'	105.7	5	95	11194
20	Area B - North side of DMH OA-22	FG -2'	108.5	6	98	11194

Remarks: Tests reflecting Percent of Maximum Density less than 95% were taken on lifts 3 feet or greater below finished grade, and not under building structures.

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 J. Sed

IPD

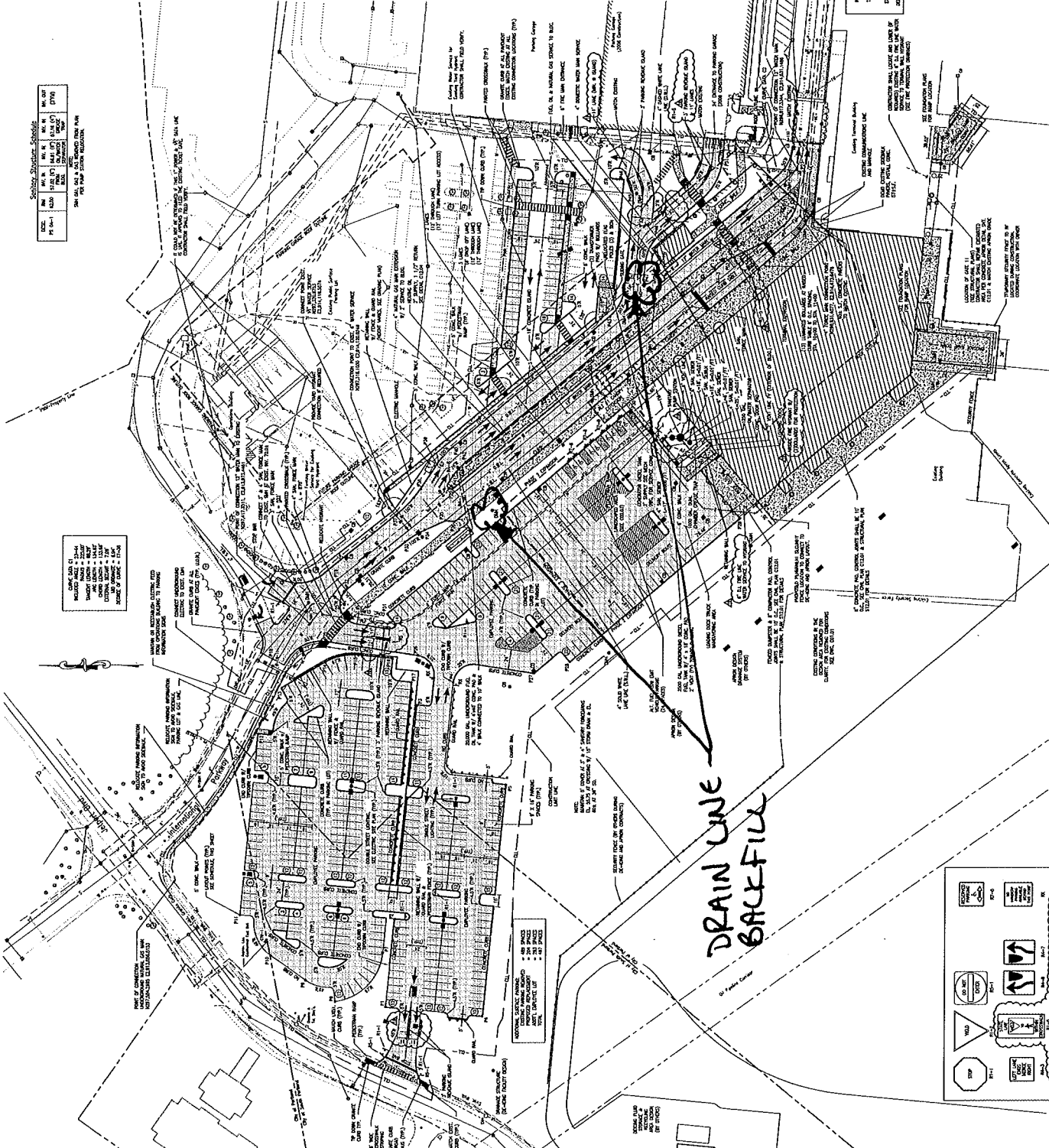
SHEET NOTES

Schedule of Materials

QTY	NO.	DESCRIPTION	UNIT	PRICE
1	1	CONCRETE	CU YD	
1	2	STEEL	TONS	
1	3	BRICK	SQ YD	
1	4	CEMENT	TONS	
1	5	SAND	CY	
1	6	GRAVEL	CY	
1	7	ASPHALT	SQ YD	
1	8	PAVING	SQ YD	
1	9	ROOFING	SQ YD	
1	10	GLASS	SQ FT	
1	11	INSULATION	SQ YD	
1	12	MECHANICAL	HR	
1	13	ELECTRICAL	HR	
1	14	PLUMBING	HR	
1	15	PAINT	SQ YD	
1	16	CONCRETE	CU YD	
1	17	STEEL	TONS	
1	18	BRICK	SQ YD	
1	19	CEMENT	TONS	
1	20	SAND	CY	
1	21	GRAVEL	CY	
1	22	ASPHALT	SQ YD	
1	23	PAVING	SQ YD	
1	24	ROOFING	SQ YD	
1	25	GLASS	SQ FT	
1	26	INSULATION	SQ YD	
1	27	MECHANICAL	HR	
1	28	ELECTRICAL	HR	
1	29	PLUMBING	HR	
1	30	PAINT	SQ YD	

Legend

NO.	DESCRIPTION	SYMBOL
1	EXISTING CONCRETE	---
2	EXISTING STEEL	---
3	EXISTING BRICK	---
4	EXISTING CEILING	---
5	EXISTING ROOFING	---
6	EXISTING INSULATION	---
7	EXISTING MECHANICAL	---
8	EXISTING ELECTRICAL	---
9	EXISTING PLUMBING	---
10	EXISTING PAINT	---
11	NEW CONCRETE	---
12	NEW STEEL	---
13	NEW BRICK	---
14	NEW CEILING	---
15	NEW ROOFING	---
16	NEW INSULATION	---
17	NEW MECHANICAL	---
18	NEW ELECTRICAL	---
19	NEW PLUMBING	---
20	NEW PAINT	---



Portland International Jetport
 1001 Westbrook Street
 Portland, Maine 04102

Gensler

WEST ASSOCIATES, INC.
 ENGINEERS - ARCHITECTS - INTERIORS - CONSTRUCTION MANAGEMENT

2010 DESIGN AWARD
 2010 BEST OF CLASS
 2010 BEST OF CLASS
 2010 BEST OF CLASS

**PORTLAND INT'L AIRPORT
 TERMINAL EXPANSION**

557-14
 6-24-2010
 MSK

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR PERMIT	06/24/10	MSK
2	REVISION	06/24/10	MSK
3	REVISION	06/24/10	MSK
4	REVISION	06/24/10	MSK
5	REVISION	06/24/10	MSK
6	REVISION	06/24/10	MSK
7	REVISION	06/24/10	MSK
8	REVISION	06/24/10	MSK
9	REVISION	06/24/10	MSK
10	REVISION	06/24/10	MSK

GENERAL NOTES

- EXISTING CONCRETE SHALL BE CURABLE FOR 28 DAYS.
- EXISTING STEEL SHALL BE CURABLE FOR 28 DAYS.
- EXISTING BRICK SHALL BE CURABLE FOR 28 DAYS.
- EXISTING CEILING SHALL BE CURABLE FOR 28 DAYS.
- EXISTING ROOFING SHALL BE CURABLE FOR 28 DAYS.
- EXISTING INSULATION SHALL BE CURABLE FOR 28 DAYS.
- EXISTING MECHANICAL SHALL BE CURABLE FOR 28 DAYS.
- EXISTING ELECTRICAL SHALL BE CURABLE FOR 28 DAYS.
- EXISTING PLUMBING SHALL BE CURABLE FOR 28 DAYS.
- EXISTING PAINT SHALL BE CURABLE FOR 28 DAYS.
- NEW CONCRETE SHALL BE CURABLE FOR 28 DAYS.
- NEW STEEL SHALL BE CURABLE FOR 28 DAYS.
- NEW BRICK SHALL BE CURABLE FOR 28 DAYS.
- NEW CEILING SHALL BE CURABLE FOR 28 DAYS.
- NEW ROOFING SHALL BE CURABLE FOR 28 DAYS.
- NEW INSULATION SHALL BE CURABLE FOR 28 DAYS.
- NEW MECHANICAL SHALL BE CURABLE FOR 28 DAYS.
- NEW ELECTRICAL SHALL BE CURABLE FOR 28 DAYS.
- NEW PLUMBING SHALL BE CURABLE FOR 28 DAYS.
- NEW PAINT SHALL BE CURABLE FOR 28 DAYS.

GRAPHIC SCALE
 1" = 100'

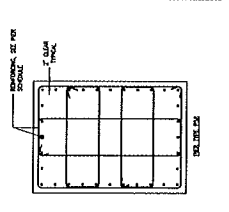
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OF 2

IPD

PORTLAND INT'L JETPORT
 TERMINAL EXPANSION
 557-14
 6-24-2010
 MSC

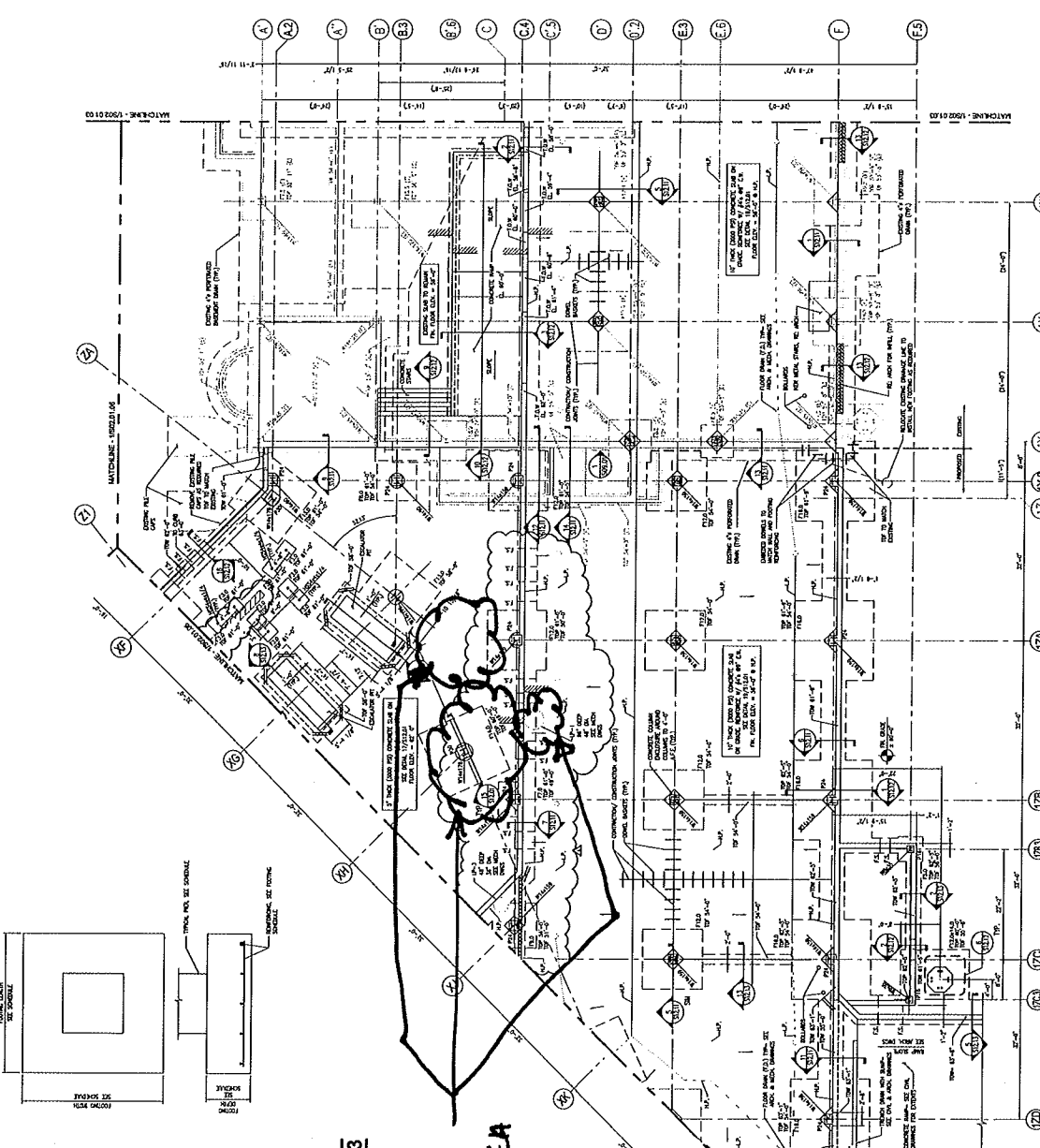
FOOTING TYPE	PER SCHEDULE	VERTICAL REINFORCING	TOP
F1A	18" x 18" (1) #4 @ 12" O.C.	(1) #4 @ 12" O.C.	18" x 18" x 12"
F1B	18" x 18" (1) #4 @ 12" O.C.	(1) #4 @ 12" O.C.	18" x 18" x 12"
F1C	18" x 18" (1) #4 @ 12" O.C.	(1) #4 @ 12" O.C.	18" x 18" x 12"
F1D	18" x 18" (1) #4 @ 12" O.C.	(1) #4 @ 12" O.C.	18" x 18" x 12"
F1E	18" x 18" (1) #4 @ 12" O.C.	(1) #4 @ 12" O.C.	18" x 18" x 12"
F1F	18" x 18" (1) #4 @ 12" O.C.	(1) #4 @ 12" O.C.	18" x 18" x 12"
F1G	18" x 18" (1) #4 @ 12" O.C.	(1) #4 @ 12" O.C.	18" x 18" x 12"
F1H	18" x 18" (1) #4 @ 12" O.C.	(1) #4 @ 12" O.C.	18" x 18" x 12"
F1I	18" x 18" (1) #4 @ 12" O.C.	(1) #4 @ 12" O.C.	18" x 18" x 12"
F1J	18" x 18" (1) #4 @ 12" O.C.	(1) #4 @ 12" O.C.	18" x 18" x 12"



PIER SCHEDULE & DETAILS
 SCALE: 3/8" = 1'-0"

FOOTING TYPE	FOOTING DIMENSIONS	REINFORCING
F1A	18" x 18" x 12"	(1) #4 @ 12" O.C.
F1B	18" x 18" x 12"	(1) #4 @ 12" O.C.
F1C	18" x 18" x 12"	(1) #4 @ 12" O.C.
F1D	18" x 18" x 12"	(1) #4 @ 12" O.C.
F1E	18" x 18" x 12"	(1) #4 @ 12" O.C.
F1F	18" x 18" x 12"	(1) #4 @ 12" O.C.
F1G	18" x 18" x 12"	(1) #4 @ 12" O.C.
F1H	18" x 18" x 12"	(1) #4 @ 12" O.C.
F1I	18" x 18" x 12"	(1) #4 @ 12" O.C.
F1J	18" x 18" x 12"	(1) #4 @ 12" O.C.

FOOTING SCHEDULE & DETAILS
 SCALE: 3/8" = 1'-0"



SHEET NOTES

1. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
2. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
3. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
4. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
5. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
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11. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
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GENERAL NOTES

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KEY PLAN

Portland International
 Jetport
 1001 Westbrook Street
 Portland, Maine 04102

Gensler

WES/ ASSOCIATES, INC.
 ENGINEERS - ARCHITECTS - INTERIORS - CONSTRUCTION MANAGERS

NO.	DATE	DESCRIPTION
01	07/11/09	ISSUED FOR PERMITS
02	07/11/09	ISSUED FOR PERMITS
03	07/11/09	ISSUED FOR PERMITS
04	07/11/09	ISSUED FOR PERMITS
05	07/11/09	ISSUED FOR PERMITS
06	07/11/09	ISSUED FOR PERMITS
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19	07/11/09	ISSUED FOR PERMITS
20	07/11/09	ISSUED FOR PERMITS

FOUNDATION PLAN - LEVEL 1&2 - ZONE 4
 SCALE: 1/8" = 1'-0"

S02.01.04

2 OF 2

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: 6/25/2010
 Technician: MJK
 Gauge Model/Serial Number: L 500

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

Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	30' East of DMH OA-20	SG	106.0	4	96	11194
2	40' West of DMH OA-12	SG	105.4	3	95	11194
3	40' SW of CB OA-11	SG -3'	103.4	4	93	11194

Remarks: Tests reflecting Percent of Maximum Density less than 95% were taken on lifts 3 feet or greater below finished grade, and not under building structures.

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:



LPD

PORTLAND INT'L AIRPORT TERMINAL EXPANSION

SS7-14
6-25-2010
MSK

SHEET NOTES

SEE GENERAL NOTES FOR DETAILS OF THE WORK

SEE GENERAL NOTES FOR DETAILS OF THE WORK

NO.	REVISION	DATE	BY	CHKD	DESCRIPTION
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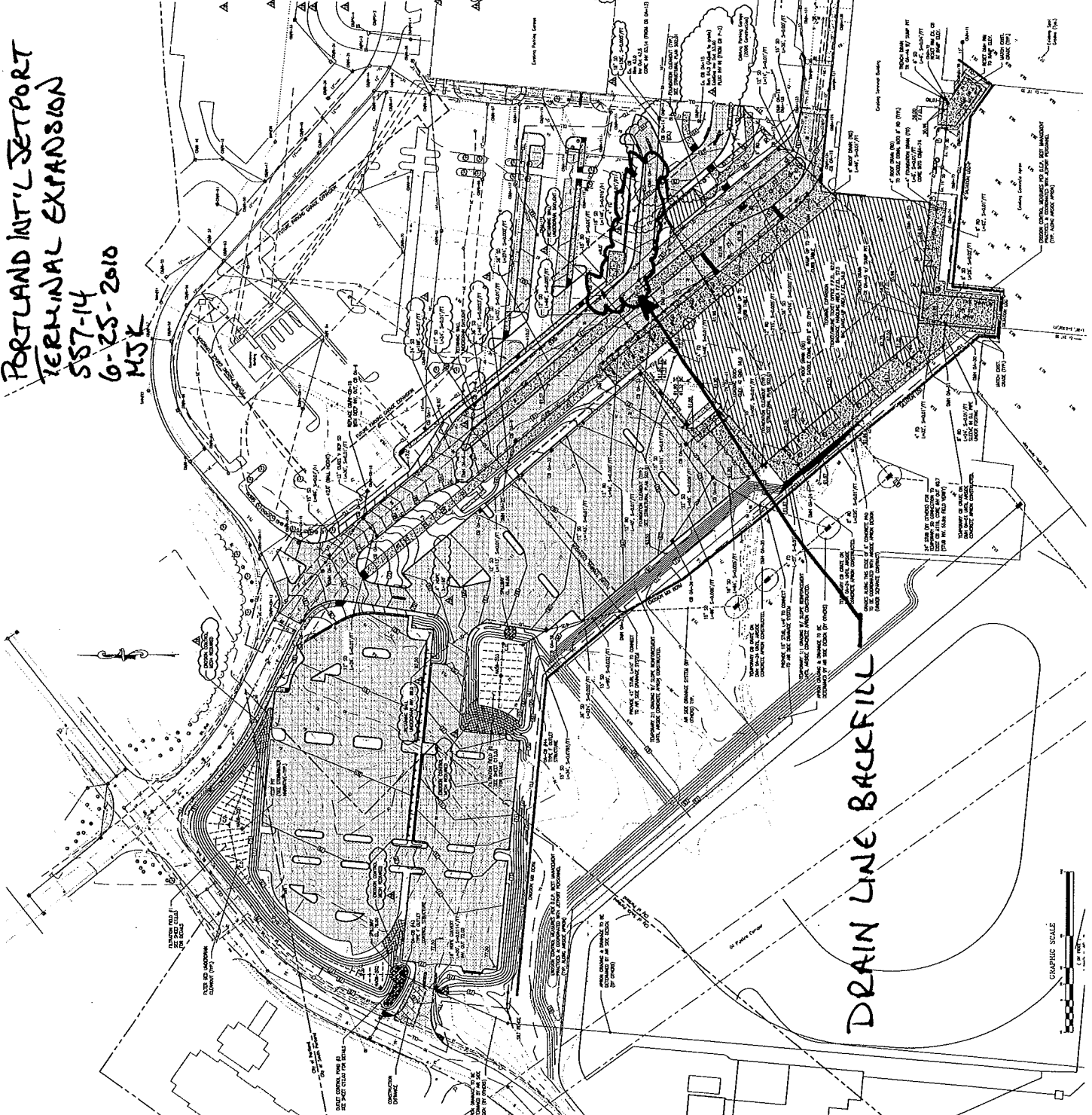
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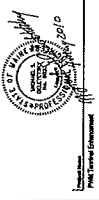
DRAIN LINE BACKFILL

GRAPHIC SCALE
0 10 20
FEET

Portland International
Jetport
1001 Westbrook Street
Portland, Maine 04102

Gensler
WESI ASSOCIATES, INC.
REGISTERED ARCHITECTS - ENGINEERS - CONTRACTORS - PLANNERS - CONSTRUCTION MANAGERS

NO.	REVISION	DATE	BY	CHKD	DESCRIPTION
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PORTLAND INTERNATIONAL AIRPORT
TERMINAL EXPANSION
PROJECT NO. 02-0000000000
SHEET NO. 001 OF 001
DATE: 06/25/2010

C02.02
1" = 48'
NORTH

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: 6/26/2010
 Technician: MJK
 Gauge Model/Serial Number: L 500

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


Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	STA 9+90 - 5' W of geothermal pipe	FG -5'	110.0	3	99	11194
2	STA 10+30 - 5' W of pipe penetration of structure	FG -5'	103.9	4	94	11194
3	5' SW of DMH OA-20	FG -5'	106.5	3	96	11194

Remarks: Tests reflecting Percent of Maximum Density less than 95% were taken on lifts 3 feet or greater below finished grade, and not under building structures.

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: 

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: 6/27/2010
 Technician: MJK
 Gauge Model/Serial Number: L 500

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11194	Poorly Graded Sand	111.0	11.4
11175	Subbase Gravel	129.8	8.4


Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	5' South of junction of new and old 12" water main	FG -4'	110.6	3	100	11194
2	5' North of junction of new and old 12" water main	FG -3'	111.3	4	100+	11194
3	5' North of junction of new and old 12" water main	FG -2'	124.5	4	96	11175
4	5' South of junction of new and old 12" water main	FG -1'	124.6	4	96	11175
5	5' North of junction of new and old 12" water main	FG	128.3	4	99	11175

Remarks: Tests reflecting Percent of Maximum Density less than 95% were taken on lifts 3 feet or greater below finished grade, and not under building structures.

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: 

IPD

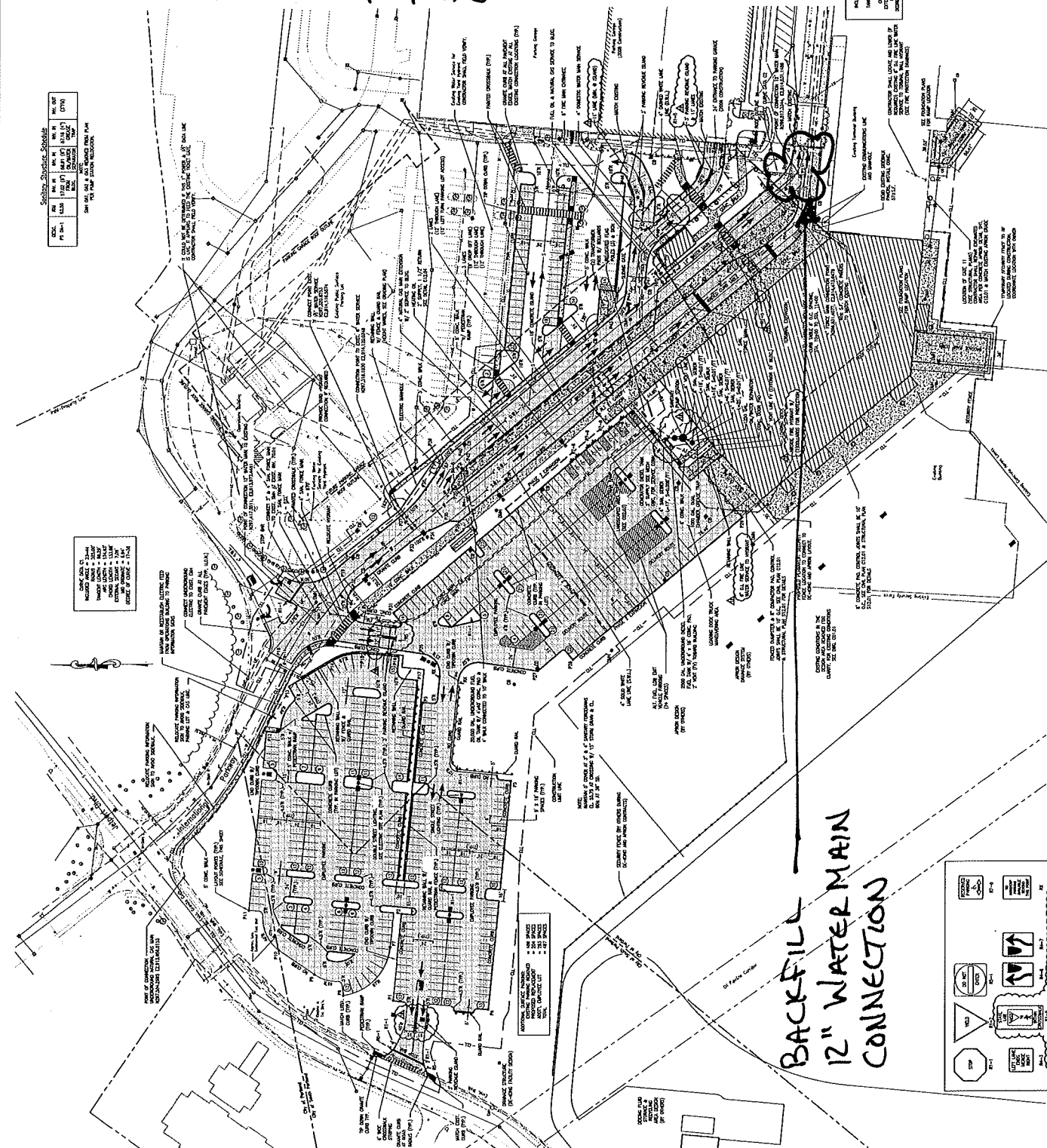
SHEET NOTES

Legend: Construction Schedule

Code	Description
1	Excavation
2	Foundation
3	Structural Steel
4	Concrete
5	Masonry
6	Roofing
7	Interior Finishes
8	Exterior Finishes
9	MEP Installation
10	Final Inspection

Section Schedule

Code	Description
1	Excavation
2	Foundation
3	Structural Steel
4	Concrete
5	Masonry
6	Roofing
7	Interior Finishes
8	Exterior Finishes
9	MEP Installation
10	Final Inspection



Portland International
Jetport
3001 Westbrook Street
Portland, Maine 04102

Gensler
pepi ASSOCIATES, INC.
ARCHITECTS - INTERIORS - CONSTRUCTION MANAGEMENT

201 S. Spring, 10th
Portland, ME 04102
Tel: 603.761.2000
Fax: 603.761.2001

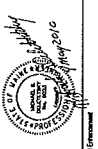
**PORTLAND INT'L AIRPORT
TERMINAL EXPANSION**
557-14
6-27-10
MSK

NIGHT WORK

GENERAL NOTES

1. ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. VERIFY ALL UTILITIES BEFORE CONSTRUCTION. VERIFY ALL UTILITIES BEFORE CONSTRUCTION.
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GRAPHIC SCALE
1" = 100' ±



PROJECT: PORTLAND INTERNATIONAL AIRPORT TERMINAL EXPANSION
DATE: 6/27/10
DRAWN BY: MSK
CHECKED BY: [Signature]
SCALE: AS SHOWN

**BACKFILL
12" WATER MAIN
CONNECTION**

