

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, Portand Int. Jetport  
1001 Westbrook Street  
Portland, Maine 04102

Date:	August 27, 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:

August 9 - 13, 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.gov  
ldobson@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 JETPORT  
 PORTLAND, MAINE  
 RWG&A PROJECT NO. 557-14

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11175	Type D Gravel	129.8	8.4

Client: City of Portland  
 Test Date: 8/9/2010  
 Technician: MJK  
 Gauge Model/Serial Number: L 500

**AUG 27 2010**

Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	FND wall Y1/	TOW -2'	129.4	5	100	11175
2	FND wall Y1/	TOW -2'	127.6	3	98	11175
3	NE side of FTG @ XH/Z5	TOF	122.8	3	95	11175
4	West corner of FTG @ XH/Z5	TOF -8"	124.7	3	96	11175
5	West side of FTG @ XH/Z1	TOF +4"	125.3	4	97	11175
6	North corner of FTG @ XH/Z2	TOF +4"	131.5	4	100+	11175
7	East corner of FTG @ XH/Y2.2	TOF +4"	123.4	3	95	11175
8	East side of FTG @ XH/Z3	TOF +4"	125.7	5	97	11175
9	North corner of FTG @ XH/Z4	TOF +4"	122.7	4	95	11175
10	West side of FTG @ XH/Z5	TOF +4"	124.4	2	96	11175

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:



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

**Gensler**

**meest ASSOCIATES, INC.**  
 ENGINEERS, ARCHITECTS, INTERIORS, CONSTRUCTION MANAGER

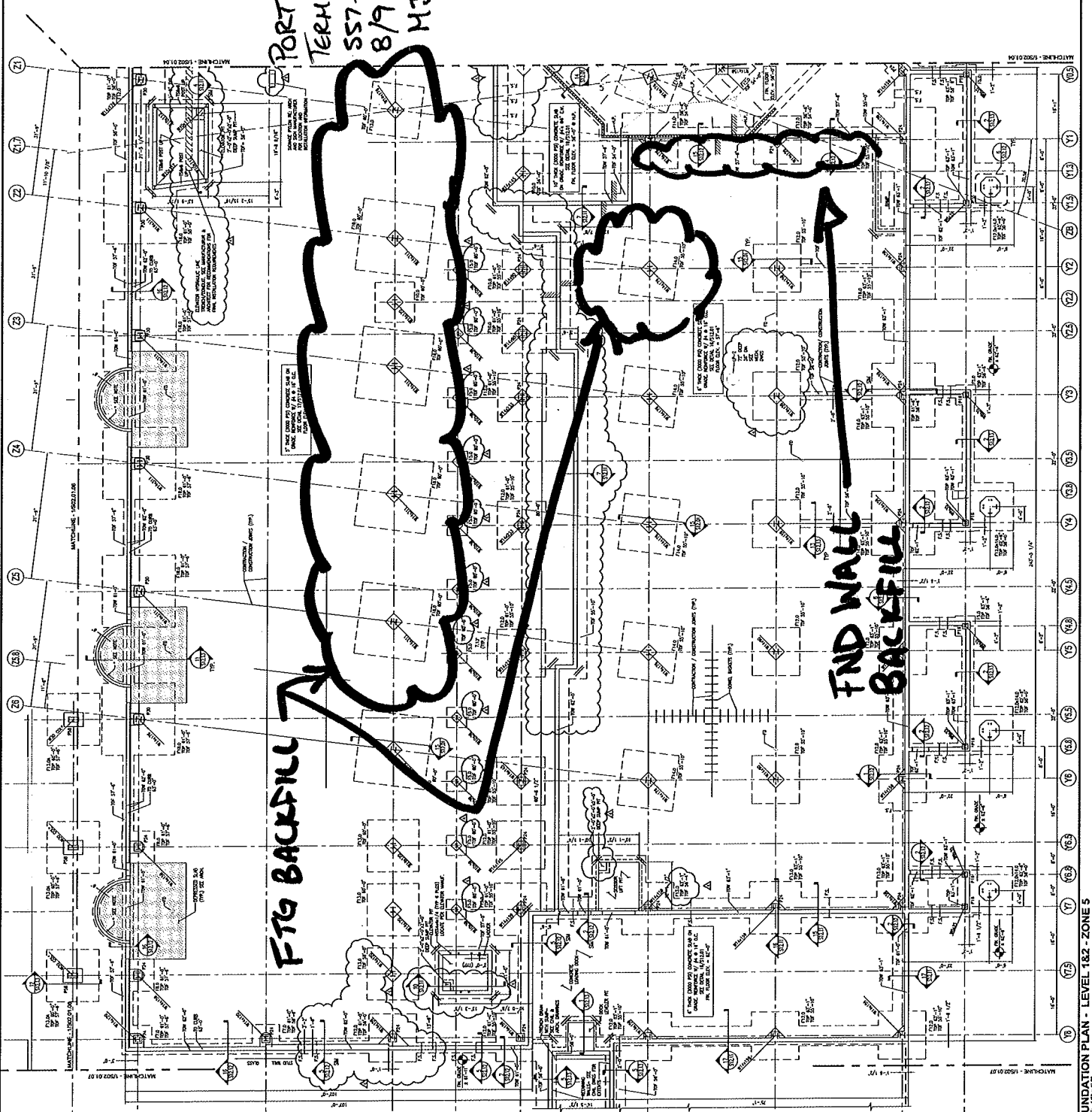
**PORTLAND INT'L AIRPORT  
 TERMINAL EXPANSION**  
 SS7-14  
 8/9/10  
 HSK

**SHEET NOTES**

1. PROVIDE FINISH ELEVATION OF TOP OF FINISH FLOOR FINISH.
2. FINISH FLOOR FINISH TO BE 1/2" THICK POLISHED CONCRETE ON 4" THICK CONCRETE SLAB.
3. FINISH FLOOR FINISH TO BE 1/2" THICK POLISHED CONCRETE ON 4" THICK CONCRETE SLAB.
4. FINISH FLOOR FINISH TO BE 1/2" THICK POLISHED CONCRETE ON 4" THICK CONCRETE SLAB.
5. FINISH FLOOR FINISH TO BE 1/2" THICK POLISHED CONCRETE ON 4" THICK CONCRETE SLAB.
6. FINISH FLOOR FINISH TO BE 1/2" THICK POLISHED CONCRETE ON 4" THICK CONCRETE SLAB.
7. FINISH FLOOR FINISH TO BE 1/2" THICK POLISHED CONCRETE ON 4" THICK CONCRETE SLAB.
8. FINISH FLOOR FINISH TO BE 1/2" THICK POLISHED CONCRETE ON 4" THICK CONCRETE SLAB.
9. FINISH FLOOR FINISH TO BE 1/2" THICK POLISHED CONCRETE ON 4" THICK CONCRETE SLAB.
10. FINISH FLOOR FINISH TO BE 1/2" THICK POLISHED CONCRETE ON 4" THICK CONCRETE SLAB.
11. FINISH FLOOR FINISH TO BE 1/2" THICK POLISHED CONCRETE ON 4" THICK CONCRETE SLAB.
12. FINISH FLOOR FINISH TO BE 1/2" THICK POLISHED CONCRETE ON 4" THICK CONCRETE SLAB.
13. FINISH FLOOR FINISH TO BE 1/2" THICK POLISHED CONCRETE ON 4" THICK CONCRETE SLAB.
14. FINISH FLOOR FINISH TO BE 1/2" THICK POLISHED CONCRETE ON 4" THICK CONCRETE SLAB.
15. FINISH FLOOR FINISH TO BE 1/2" THICK POLISHED CONCRETE ON 4" THICK CONCRETE SLAB.
16. FINISH FLOOR FINISH TO BE 1/2" THICK POLISHED CONCRETE ON 4" THICK CONCRETE SLAB.
17. FINISH FLOOR FINISH TO BE 1/2" THICK POLISHED CONCRETE ON 4" THICK CONCRETE SLAB.
18. FINISH FLOOR FINISH TO BE 1/2" THICK POLISHED CONCRETE ON 4" THICK CONCRETE SLAB.
19. FINISH FLOOR FINISH TO BE 1/2" THICK POLISHED CONCRETE ON 4" THICK CONCRETE SLAB.
20. FINISH FLOOR FINISH TO BE 1/2" THICK POLISHED CONCRETE ON 4" THICK CONCRETE SLAB.

**GENERAL NOTES**

1. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE UNLESS INDICATED OTHERWISE.
2. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE UNLESS INDICATED OTHERWISE.
3. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE UNLESS INDICATED OTHERWISE.
4. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE UNLESS INDICATED OTHERWISE.
5. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE UNLESS INDICATED OTHERWISE.
6. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE UNLESS INDICATED OTHERWISE.
7. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE UNLESS INDICATED OTHERWISE.
8. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE UNLESS INDICATED OTHERWISE.
9. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE UNLESS INDICATED OTHERWISE.
10. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE UNLESS INDICATED OTHERWISE.
11. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE UNLESS INDICATED OTHERWISE.
12. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE UNLESS INDICATED OTHERWISE.
13. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE UNLESS INDICATED OTHERWISE.
14. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE UNLESS INDICATED OTHERWISE.
15. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE UNLESS INDICATED OTHERWISE.
16. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE UNLESS INDICATED OTHERWISE.
17. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE UNLESS INDICATED OTHERWISE.
18. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE UNLESS INDICATED OTHERWISE.
19. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE UNLESS INDICATED OTHERWISE.
20. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE UNLESS INDICATED OTHERWISE.



1/8" = 1'-0"  
**S02.01.05**

**KEY PLAN**

2 3 4 1

**FOUNDATION PLAN - LEVEL 1&2 - ZONE 5**

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
11175	Type D Gravel	129.8	8.4
11177	On-Site Type D Gravel	134.8	6.4

Client: City of Portland  
 Test Date: 8/10/2010  
 Technician: MJK  
 Gauge Model/Serial Number: L 500

Report Issue Date: **AUG 27 2010**

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	XJ/Z2	TOW -2'	125.7	3	97	11175
2	Y1.5/XH.5 +5'	TOW -2'	122.8	4	95	11175
3	North corner FTG @ XH.5/Y6.5	61.00	130.8	4	100+	11175*
4	South end of parking lot test bed	FG -6.5'	133.2	5	99	11177
5	North end of parking lot test bed	FG -6.5'	143.6	4	100+	11177
6	Y7.5/XH +5'	SG	128.8	5	99	11175
7	SW side of elevator pit	SG -1.5'	129.0	4	99	11175
8	Y5/XF -2'	FG -1'	128.1	4	99	11175
9	Y7/XF -2'	FG -1'	128.1	4	99	11175
10	SW side of elevator pit	SG	129.8	4	100	11175

Remarks: \* Probably picking up iron piping running beneath fill.

- 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: 

Portland International  
Jetport  
1001 Westbrook Street  
Portland, Maine 04102

Gensler

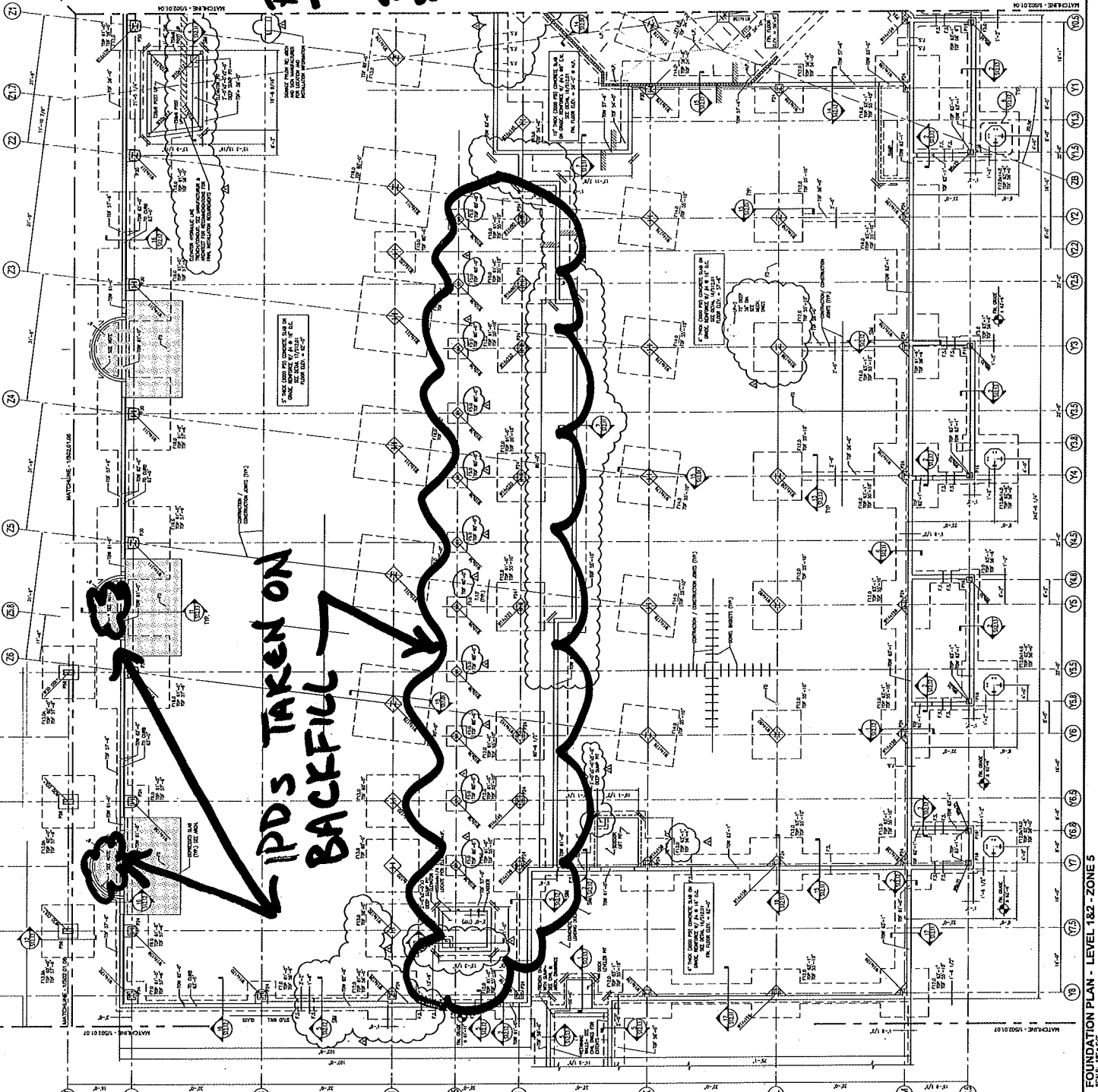
NEEF ASSOCIATES, INC.  
engineer - architect - interior - construction manager

1974 - 1975  
1976 - 1977  
1978 - 1979  
1980 - 1981  
1982 - 1983  
1984 - 1985  
1986 - 1987  
1988 - 1989  
1990 - 1991  
1992 - 1993  
1994 - 1995  
1996 - 1997  
1998 - 1999  
2000 - 2001  
2002 - 2003  
2004 - 2005  
2006 - 2007  
2008 - 2009  
2010 - 2011  
2012 - 2013  
2014 - 2015  
2016 - 2017  
2018 - 2019  
2020 - 2021  
2022 - 2023  
2024 - 2025

# PORTLAND INT'L JETPORT TERMINAL EXPANSION SS7-14 8-10-10 MSK

## SHEET NOTES

1. REFER TO SHEET 142-10-1 FOR GENERAL NOTES.
2. FOUNDATION NOTES ARE TO BE USED IN CONJUNCTION WITH THE FOUNDATION PLAN.
3. FOUNDATION NOTES ARE TO BE USED IN CONJUNCTION WITH THE FOUNDATION PLAN.
4. FOUNDATION NOTES ARE TO BE USED IN CONJUNCTION WITH THE FOUNDATION PLAN.
5. FOUNDATION NOTES ARE TO BE USED IN CONJUNCTION WITH THE FOUNDATION PLAN.
6. FOUNDATION NOTES ARE TO BE USED IN CONJUNCTION WITH THE FOUNDATION PLAN.
7. FOUNDATION NOTES ARE TO BE USED IN CONJUNCTION WITH THE FOUNDATION PLAN.
8. FOUNDATION NOTES ARE TO BE USED IN CONJUNCTION WITH THE FOUNDATION PLAN.
9. FOUNDATION NOTES ARE TO BE USED IN CONJUNCTION WITH THE FOUNDATION PLAN.
10. FOUNDATION NOTES ARE TO BE USED IN CONJUNCTION WITH THE FOUNDATION PLAN.
11. FOUNDATION NOTES ARE TO BE USED IN CONJUNCTION WITH THE FOUNDATION PLAN.
12. FOUNDATION NOTES ARE TO BE USED IN CONJUNCTION WITH THE FOUNDATION PLAN.
13. FOUNDATION NOTES ARE TO BE USED IN CONJUNCTION WITH THE FOUNDATION PLAN.
14. FOUNDATION NOTES ARE TO BE USED IN CONJUNCTION WITH THE FOUNDATION PLAN.
15. FOUNDATION NOTES ARE TO BE USED IN CONJUNCTION WITH THE FOUNDATION PLAN.
16. FOUNDATION NOTES ARE TO BE USED IN CONJUNCTION WITH THE FOUNDATION PLAN.
17. FOUNDATION NOTES ARE TO BE USED IN CONJUNCTION WITH THE FOUNDATION PLAN.
18. FOUNDATION NOTES ARE TO BE USED IN CONJUNCTION WITH THE FOUNDATION PLAN.
19. FOUNDATION NOTES ARE TO BE USED IN CONJUNCTION WITH THE FOUNDATION PLAN.
20. FOUNDATION NOTES ARE TO BE USED IN CONJUNCTION WITH THE FOUNDATION PLAN.

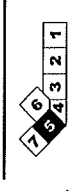


IPDS TAKEN ON  
BACKFILL

## GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY THE EXISTING FOUNDATION CONDITIONS AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
2. THE CONTRACTOR SHALL VERIFY THE EXISTING FOUNDATION CONDITIONS AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
3. THE CONTRACTOR SHALL VERIFY THE EXISTING FOUNDATION CONDITIONS AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
4. THE CONTRACTOR SHALL VERIFY THE EXISTING FOUNDATION CONDITIONS AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
5. THE CONTRACTOR SHALL VERIFY THE EXISTING FOUNDATION CONDITIONS AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
6. THE CONTRACTOR SHALL VERIFY THE EXISTING FOUNDATION CONDITIONS AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
7. THE CONTRACTOR SHALL VERIFY THE EXISTING FOUNDATION CONDITIONS AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
8. THE CONTRACTOR SHALL VERIFY THE EXISTING FOUNDATION CONDITIONS AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
9. THE CONTRACTOR SHALL VERIFY THE EXISTING FOUNDATION CONDITIONS AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
10. THE CONTRACTOR SHALL VERIFY THE EXISTING FOUNDATION CONDITIONS AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
11. THE CONTRACTOR SHALL VERIFY THE EXISTING FOUNDATION CONDITIONS AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
12. THE CONTRACTOR SHALL VERIFY THE EXISTING FOUNDATION CONDITIONS AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
13. THE CONTRACTOR SHALL VERIFY THE EXISTING FOUNDATION CONDITIONS AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
14. THE CONTRACTOR SHALL VERIFY THE EXISTING FOUNDATION CONDITIONS AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
15. THE CONTRACTOR SHALL VERIFY THE EXISTING FOUNDATION CONDITIONS AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
16. THE CONTRACTOR SHALL VERIFY THE EXISTING FOUNDATION CONDITIONS AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
17. THE CONTRACTOR SHALL VERIFY THE EXISTING FOUNDATION CONDITIONS AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
18. THE CONTRACTOR SHALL VERIFY THE EXISTING FOUNDATION CONDITIONS AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
19. THE CONTRACTOR SHALL VERIFY THE EXISTING FOUNDATION CONDITIONS AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
20. THE CONTRACTOR SHALL VERIFY THE EXISTING FOUNDATION CONDITIONS AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.

## KEY PLAN



S02.01.05

FOUNDATION PLAN - LEVEL 1&2 - ZONE 5

1/2

SHEET NOTES

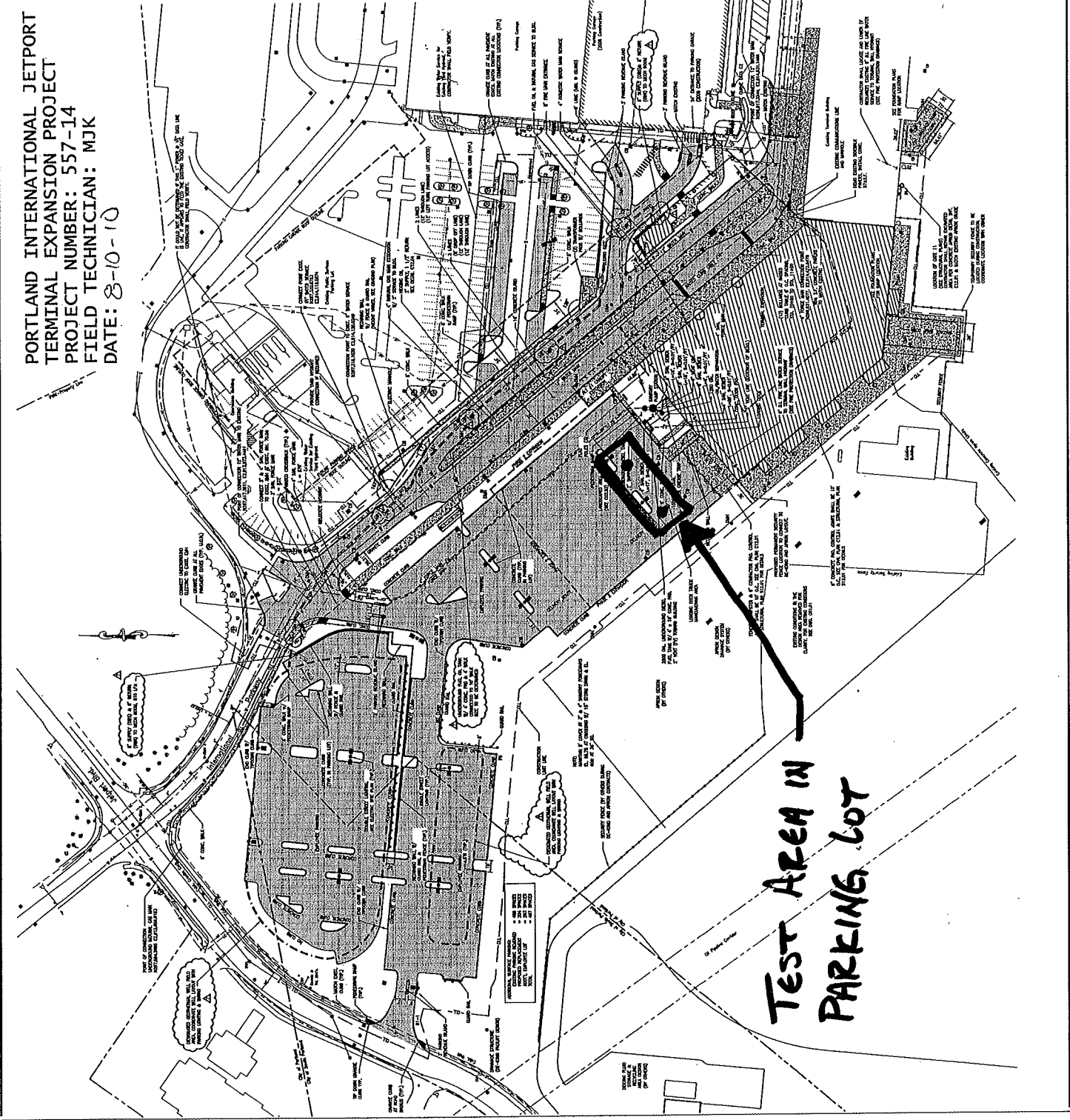
PORTLAND INTERNATIONAL JETPORT  
 TERMINAL EXPANSION PROJECT  
 PROJECT NUMBER: 557-14  
 FIELD TECHNICIAN: MJK  
 DATE: 8-10-10

Portland International  
 Jetport  
 1001 Westbrook Street  
 Portland, Maine 04102

Gensler  
 WEST ASSOCIATES, INC.  
 ENGINEERS - ARCHITECTS - INTERIOR - CONSTRUCTION MANAGEMENT

DATE: 8-10-10  
 DRAWN BY: MJK  
 CHECKED BY: [Signature]  
 PROJECT: PORTLAND INTERNATIONAL JETPORT  
 SHEET: C02.01.GTDWG  
 SCALE: AS SHOWN  
 PROJECT NUMBER: 557-14  
 FIELD TECHNICIAN: MJK

2/2



- GENERAL NOTES**
- SCOPE: DEMOLITION AND GENERAL WORK STOPPAGE
1. SEE CONSTRUCTION SET DRAWINGS AND EXISTING CONDITIONS.
  2. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE CITY OF PORTLAND, MAINE, DEPARTMENT OF PUBLIC WORKS, DIVISION OF CONSTRUCTION MANAGEMENT, AND THE PORTLAND INTERNATIONAL JETPORT, MAINE, DEPARTMENT OF AIRPORTS AND AIRCRAFT.
  3. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE CITY OF PORTLAND, MAINE, DEPARTMENT OF PUBLIC WORKS, DIVISION OF CONSTRUCTION MANAGEMENT, AND THE PORTLAND INTERNATIONAL JETPORT, MAINE, DEPARTMENT OF AIRPORTS AND AIRCRAFT.
  4. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE CITY OF PORTLAND, MAINE, DEPARTMENT OF PUBLIC WORKS, DIVISION OF CONSTRUCTION MANAGEMENT, AND THE PORTLAND INTERNATIONAL JETPORT, MAINE, DEPARTMENT OF AIRPORTS AND AIRCRAFT.
  5. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE CITY OF PORTLAND, MAINE, DEPARTMENT OF PUBLIC WORKS, DIVISION OF CONSTRUCTION MANAGEMENT, AND THE PORTLAND INTERNATIONAL JETPORT, MAINE, DEPARTMENT OF AIRPORTS AND AIRCRAFT.
  6. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE CITY OF PORTLAND, MAINE, DEPARTMENT OF PUBLIC WORKS, DIVISION OF CONSTRUCTION MANAGEMENT, AND THE PORTLAND INTERNATIONAL JETPORT, MAINE, DEPARTMENT OF AIRPORTS AND AIRCRAFT.
  7. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE CITY OF PORTLAND, MAINE, DEPARTMENT OF PUBLIC WORKS, DIVISION OF CONSTRUCTION MANAGEMENT, AND THE PORTLAND INTERNATIONAL JETPORT, MAINE, DEPARTMENT OF AIRPORTS AND AIRCRAFT.
  8. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE CITY OF PORTLAND, MAINE, DEPARTMENT OF PUBLIC WORKS, DIVISION OF CONSTRUCTION MANAGEMENT, AND THE PORTLAND INTERNATIONAL JETPORT, MAINE, DEPARTMENT OF AIRPORTS AND AIRCRAFT.
  9. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE CITY OF PORTLAND, MAINE, DEPARTMENT OF PUBLIC WORKS, DIVISION OF CONSTRUCTION MANAGEMENT, AND THE PORTLAND INTERNATIONAL JETPORT, MAINE, DEPARTMENT OF AIRPORTS AND AIRCRAFT.
  10. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE CITY OF PORTLAND, MAINE, DEPARTMENT OF PUBLIC WORKS, DIVISION OF CONSTRUCTION MANAGEMENT, AND THE PORTLAND INTERNATIONAL JETPORT, MAINE, DEPARTMENT OF AIRPORTS AND AIRCRAFT.
  11. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE CITY OF PORTLAND, MAINE, DEPARTMENT OF PUBLIC WORKS, DIVISION OF CONSTRUCTION MANAGEMENT, AND THE PORTLAND INTERNATIONAL JETPORT, MAINE, DEPARTMENT OF AIRPORTS AND AIRCRAFT.
  12. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE CITY OF PORTLAND, MAINE, DEPARTMENT OF PUBLIC WORKS, DIVISION OF CONSTRUCTION MANAGEMENT, AND THE PORTLAND INTERNATIONAL JETPORT, MAINE, DEPARTMENT OF AIRPORTS AND AIRCRAFT.

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
11175	Type D Gravel	129.8	8.4

Client: City of Portland  
 Test Date: 8/11/2010  
 Technician: MJK  
 Gauge Model/Serial Number: L 500

**AUG 27 2010**

Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	XF/Z1	TOF	123.6	3	95	11175
2	XG/Z1.7 (Elevator pit)	59.50	123.7	2	95	11175
3	XF/Z2	59.50	126.9	4	98	11175
4	NW side of elevator pit/Z2	60.50	124.9	3	96	11175
5	East side of elevator pit/Z2	60.50	125.5	5	97	11175
6	XF/ZA	56.00	126.5	5	98	11175
7	XF/ZA	57.50	127.0	4	98	11175
8	XF/ZA	59.50	124.8	3	96	11175
9	XF/10' SE of ZA	59.50	129.6	3	100	11175

Remarks: \* Probably picking up iron piping running beneath fill.

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:

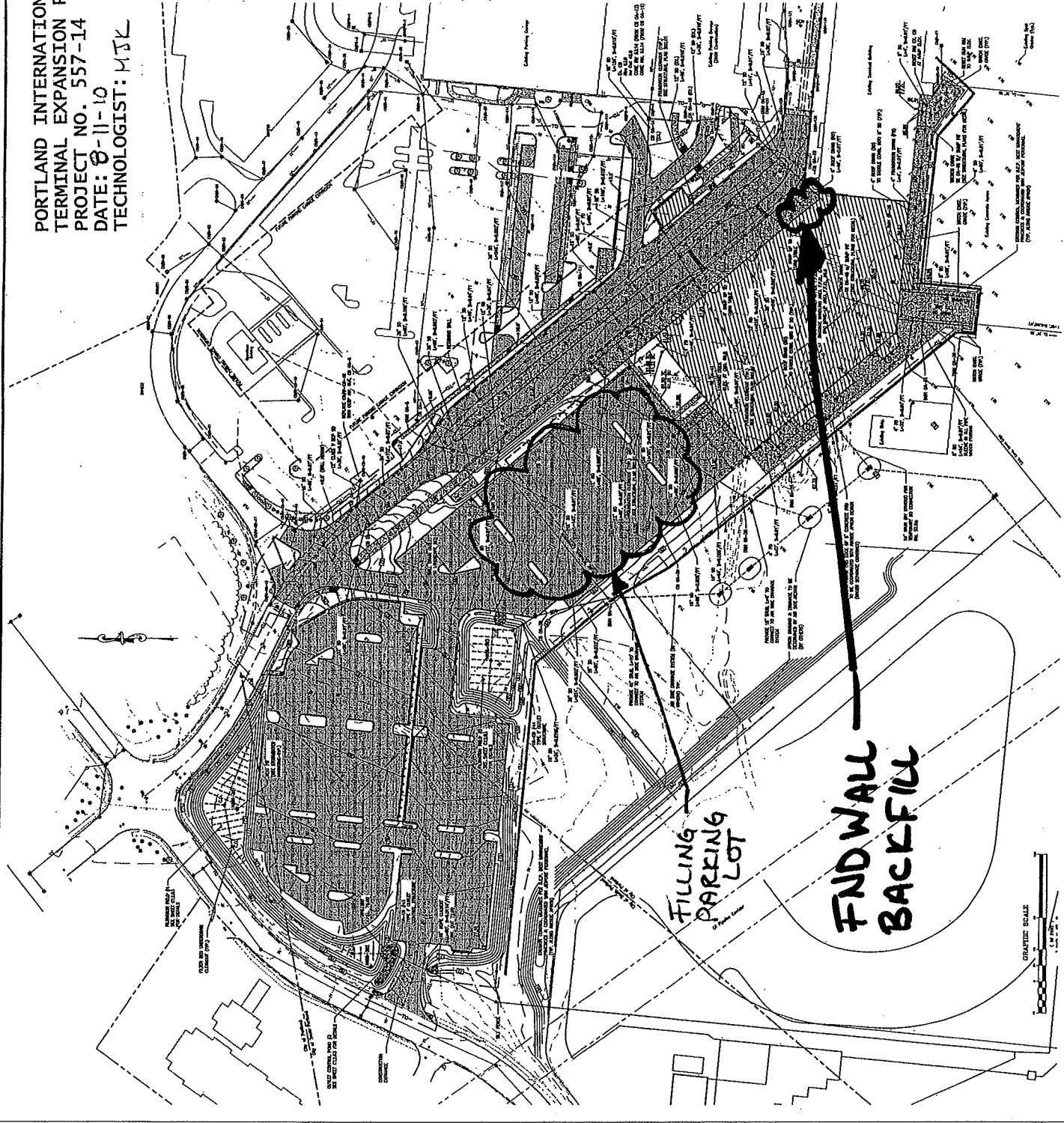


PORTLAND INTERNATIONAL JETPORT  
TERMINAL EXPANSION PROJECT  
PROJECT NO. 557-14  
DATE: 8-11-10  
TECHNOLOGIST: MKL

Revised Schedule

NO.	DESCRIPTION	DATE	STATUS
1	PRELIMINARY DESIGN	10/01/09	COMPLETE
2	FINAL DESIGN	01/01/10	COMPLETE
3	PERMITTING	03/01/10	COMPLETE
4	CONSTRUCTION	05/01/10	COMPLETE
5	OPERATION	07/01/10	COMPLETE
6	MAINTENANCE	09/01/10	COMPLETE
7	REPAIRS	11/01/10	COMPLETE
8	RENOVATIONS	01/01/11	COMPLETE
9	UPGRADES	03/01/11	COMPLETE
10	EXPANSIONS	05/01/11	COMPLETE
11	MODIFICATIONS	07/01/11	COMPLETE
12	ADJUSTMENTS	09/01/11	COMPLETE
13	REVISIONS	11/01/11	COMPLETE
14	FINAL REVIEW	01/01/12	COMPLETE
15	CLOSURE	03/01/12	COMPLETE
16	RE-OPENING	05/01/12	COMPLETE
17	POST-PROJECT	07/01/12	COMPLETE
18	EVALUATION	09/01/12	COMPLETE
19	REPORTING	11/01/12	COMPLETE
20	ARCHIVING	01/01/13	COMPLETE

- GENERAL NOTES**
- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, SEVENTH EDITION, WITH THE LATEST SUPPLEMENTS, AND THE STANDARD SPECIFICATIONS FOR PORTLAND CEMENT CONCRETE, SEVENTH EDITION, WITH THE LATEST SUPPLEMENTS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
  - THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND PUBLIC UTILITIES AT ALL TIMES.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
  - ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE ENGINEER.
  - THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL CONSTRUCTION ACTIVITIES.
  - ALL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL PERSONNEL AND THE PUBLIC DURING CONSTRUCTION.
  - ALL MATERIALS SHALL BE STORED AND HANDLED IN ACCORDANCE WITH THE APPROPRIATE REGULATIONS.
  - THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AND EROSION CONTROL MEASURES.
  - ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
  - ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE ENGINEER.
  - THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL CONSTRUCTION ACTIVITIES.
  - ALL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL PERSONNEL AND THE PUBLIC DURING CONSTRUCTION.
  - ALL MATERIALS SHALL BE STORED AND HANDLED IN ACCORDANCE WITH THE APPROPRIATE REGULATIONS.
  - THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AND EROSION CONTROL MEASURES.
  - ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.





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
11175	Type D Gravel	129.8	8.4
11177	On-Site Type D Gravel	134.8	6.4

Client: City of Portland  
 Test Date: 8/12/2010  
 Technician: MJK  
 Gauge Model/Serial Number: L 500

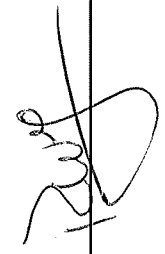
Report Issue Date: **AUG 27 2010**

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	East corner of FTG @ XF/Z3	TOW -5.5'	125.0	3	96	11175
2	North corner of FTG @ XF/Z1	TOW -5.5'	129.2	4	100	11175
3	XJ/Z3	TOW -6'	124.3	5	96	11175
4	XJ/Z3.5	TOW -5'	130.3	4	97	11177
5	XJ/Z3	TOW -4'	123.2	3	95	11175
6	XJ/Z3.5	TOW -2'	131.1	4	97	11177
7	XJ/Z4	TOW -5'	129.4	5	100	11175

Remarks: \* Probably picking up iron piping running beneath fill.

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

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11175	Type D Gravel	129.8	8.4
11177	On-Site Type D Gravel	134.8	6.4

Client: City of Portland  
 Test Date: 8/13/2010  
 Technician: MJK  
 Gauge Model/Serial Number: L 500


Report Issue Date: **AUG 27 2010**

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	East side of FTG @ XK/Y4	TOF	133.6	4	99	11177
2	10' NE of XK/10' SE of Y4	TOF	130.4	4	97	11177
3	West side of FTG @ XK/Y5	TOF	127.8	3	99	11175
4	FILL REMOVED	FG -4'	109.2	2	-	-
5	FILL REMOVED	FG -4'	110.0	2	-	-
6	FILL REMOVED	FG -4'	106.6	4	-	-
7	FILL REMOVED	FG -4'	112.2	4	-	-
8	FILL REMOVED	FG -3'	108.8	2	-	-
9	FILL REMOVED	FG -3'	103.3	4	93	11194
10	FILL REMOVED	FG -3'	103.4	5	93	11194
11	FILL REMOVED	FG -3'	102.2	4	92	11194

Remarks: Densities less than 95% of max. only require 92% of max. "-" indicates no proctor value available.

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: 

Portland International  
Jetport  
1001 Westbrook Street  
Portland, Maine 04102

Gensler

WEST ASSOCIATES, INC.  
GENERAL CONTRACTOR / PROJECT CONSTRUCTION MANAGER

PORTLAND INT'L  
TERMINAL EXPANSION  
SS7-14  
8/13/2010  
MJK

**SHEET NOTES**

1. PROVIDE FINISH ELEVATION OF TOP OF CONCRETE SLAB OR FINISH GRADE TO BE SHOWN ON ALL SHEETS.
2. PROVIDE FINISH ELEVATION OF TOP OF CONCRETE SLAB OR FINISH GRADE TO BE SHOWN ON ALL SHEETS.
3. PROVIDE FINISH ELEVATION OF TOP OF CONCRETE SLAB OR FINISH GRADE TO BE SHOWN ON ALL SHEETS.
4. PROVIDE FINISH ELEVATION OF TOP OF CONCRETE SLAB OR FINISH GRADE TO BE SHOWN ON ALL SHEETS.
5. PROVIDE FINISH ELEVATION OF TOP OF CONCRETE SLAB OR FINISH GRADE TO BE SHOWN ON ALL SHEETS.
6. PROVIDE FINISH ELEVATION OF TOP OF CONCRETE SLAB OR FINISH GRADE TO BE SHOWN ON ALL SHEETS.
7. PROVIDE FINISH ELEVATION OF TOP OF CONCRETE SLAB OR FINISH GRADE TO BE SHOWN ON ALL SHEETS.
8. PROVIDE FINISH ELEVATION OF TOP OF CONCRETE SLAB OR FINISH GRADE TO BE SHOWN ON ALL SHEETS.
9. PROVIDE FINISH ELEVATION OF TOP OF CONCRETE SLAB OR FINISH GRADE TO BE SHOWN ON ALL SHEETS.
10. PROVIDE FINISH ELEVATION OF TOP OF CONCRETE SLAB OR FINISH GRADE TO BE SHOWN ON ALL SHEETS.
11. PROVIDE FINISH ELEVATION OF TOP OF CONCRETE SLAB OR FINISH GRADE TO BE SHOWN ON ALL SHEETS.
12. PROVIDE FINISH ELEVATION OF TOP OF CONCRETE SLAB OR FINISH GRADE TO BE SHOWN ON ALL SHEETS.
13. PROVIDE FINISH ELEVATION OF TOP OF CONCRETE SLAB OR FINISH GRADE TO BE SHOWN ON ALL SHEETS.
14. PROVIDE FINISH ELEVATION OF TOP OF CONCRETE SLAB OR FINISH GRADE TO BE SHOWN ON ALL SHEETS.
15. PROVIDE FINISH ELEVATION OF TOP OF CONCRETE SLAB OR FINISH GRADE TO BE SHOWN ON ALL SHEETS.
16. PROVIDE FINISH ELEVATION OF TOP OF CONCRETE SLAB OR FINISH GRADE TO BE SHOWN ON ALL SHEETS.
17. PROVIDE FINISH ELEVATION OF TOP OF CONCRETE SLAB OR FINISH GRADE TO BE SHOWN ON ALL SHEETS.
18. PROVIDE FINISH ELEVATION OF TOP OF CONCRETE SLAB OR FINISH GRADE TO BE SHOWN ON ALL SHEETS.
19. PROVIDE FINISH ELEVATION OF TOP OF CONCRETE SLAB OR FINISH GRADE TO BE SHOWN ON ALL SHEETS.
20. PROVIDE FINISH ELEVATION OF TOP OF CONCRETE SLAB OR FINISH GRADE TO BE SHOWN ON ALL SHEETS.

**GENERAL NOTES**

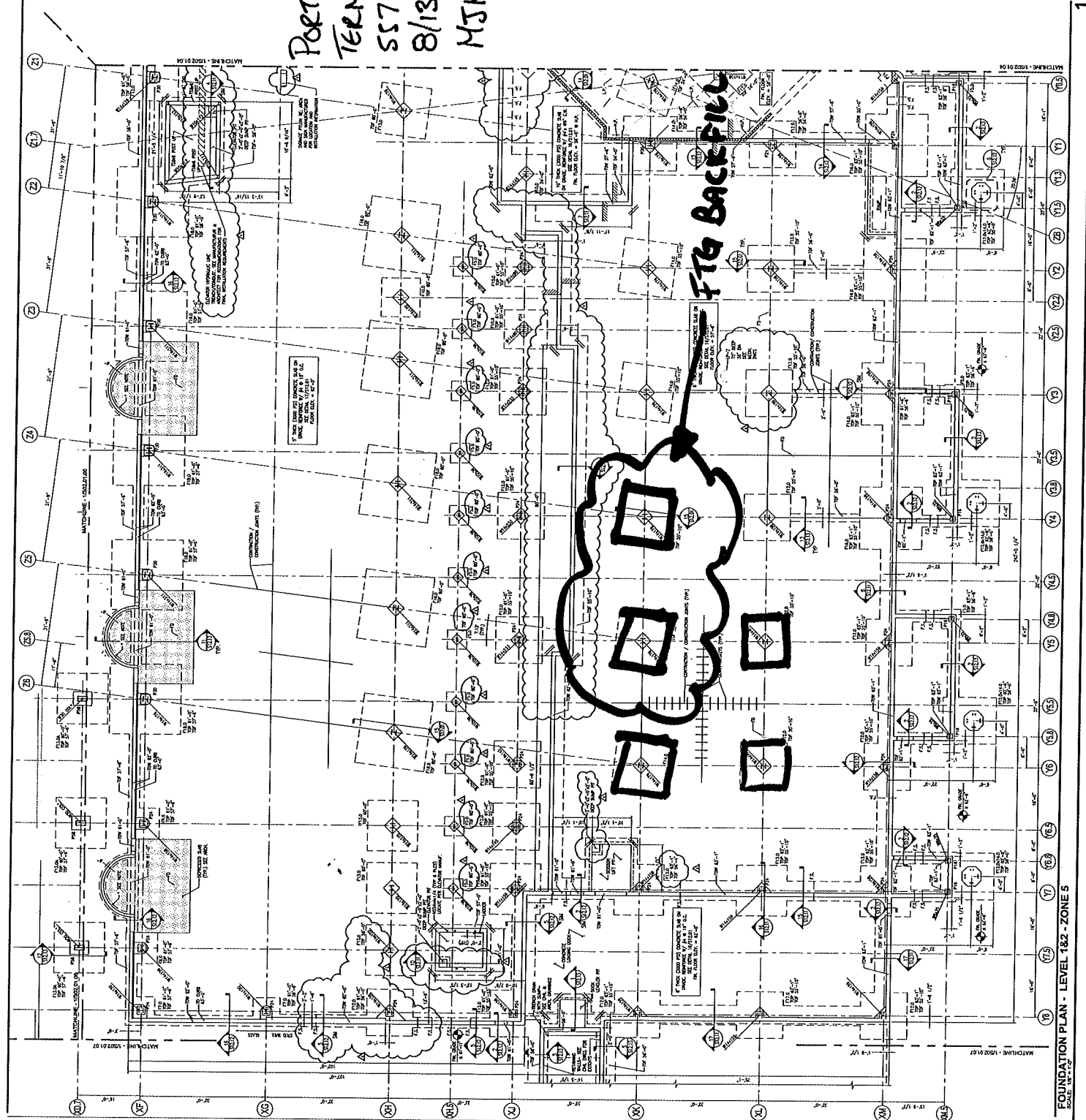
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL MECHANICAL AND ELECTRICAL PLUMBING CODE (IMC).
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL MECHANICAL AND ELECTRICAL PLUMBING CODE (IMC).
3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL MECHANICAL AND ELECTRICAL PLUMBING CODE (IMC).
4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL MECHANICAL AND ELECTRICAL PLUMBING CODE (IMC).
5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL MECHANICAL AND ELECTRICAL PLUMBING CODE (IMC).
6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL MECHANICAL AND ELECTRICAL PLUMBING CODE (IMC).
7. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL MECHANICAL AND ELECTRICAL PLUMBING CODE (IMC).
8. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL MECHANICAL AND ELECTRICAL PLUMBING CODE (IMC).
9. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL MECHANICAL AND ELECTRICAL PLUMBING CODE (IMC).
10. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL MECHANICAL AND ELECTRATIONAL PLUMBING CODE (IMC).
11. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL MECHANICAL AND ELECTRICAL PLUMBING CODE (IMC).
12. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL MECHANICAL AND ELECTRICAL PLUMBING CODE (IMC).
13. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL MECHANICAL AND ELECTRICAL PLUMBING CODE (IMC).
14. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL MECHANICAL AND ELECTRICAL PLUMBING CODE (IMC).
15. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL MECHANICAL AND ELECTRICAL PLUMBING CODE (IMC).
16. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL MECHANICAL AND ELECTRICAL PLUMBING CODE (IMC).
17. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL MECHANICAL AND ELECTRICAL PLUMBING CODE (IMC).
18. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL MECHANICAL AND ELECTRICAL PLUMBING CODE (IMC).
19. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL MECHANICAL AND ELECTRICAL PLUMBING CODE (IMC).
20. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL MECHANICAL AND ELECTRICAL PLUMBING CODE (IMC).

**KEY PLAN**

7 6 5 4 3 2 1

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

S02.01.05



FOUNDATION PLAN - LEVEL 1&2 - ZONE 5

1/2

SHEET NOTES

Portland International  
Jetport  
1001 Westbrook Street  
Portland, Maine 04102

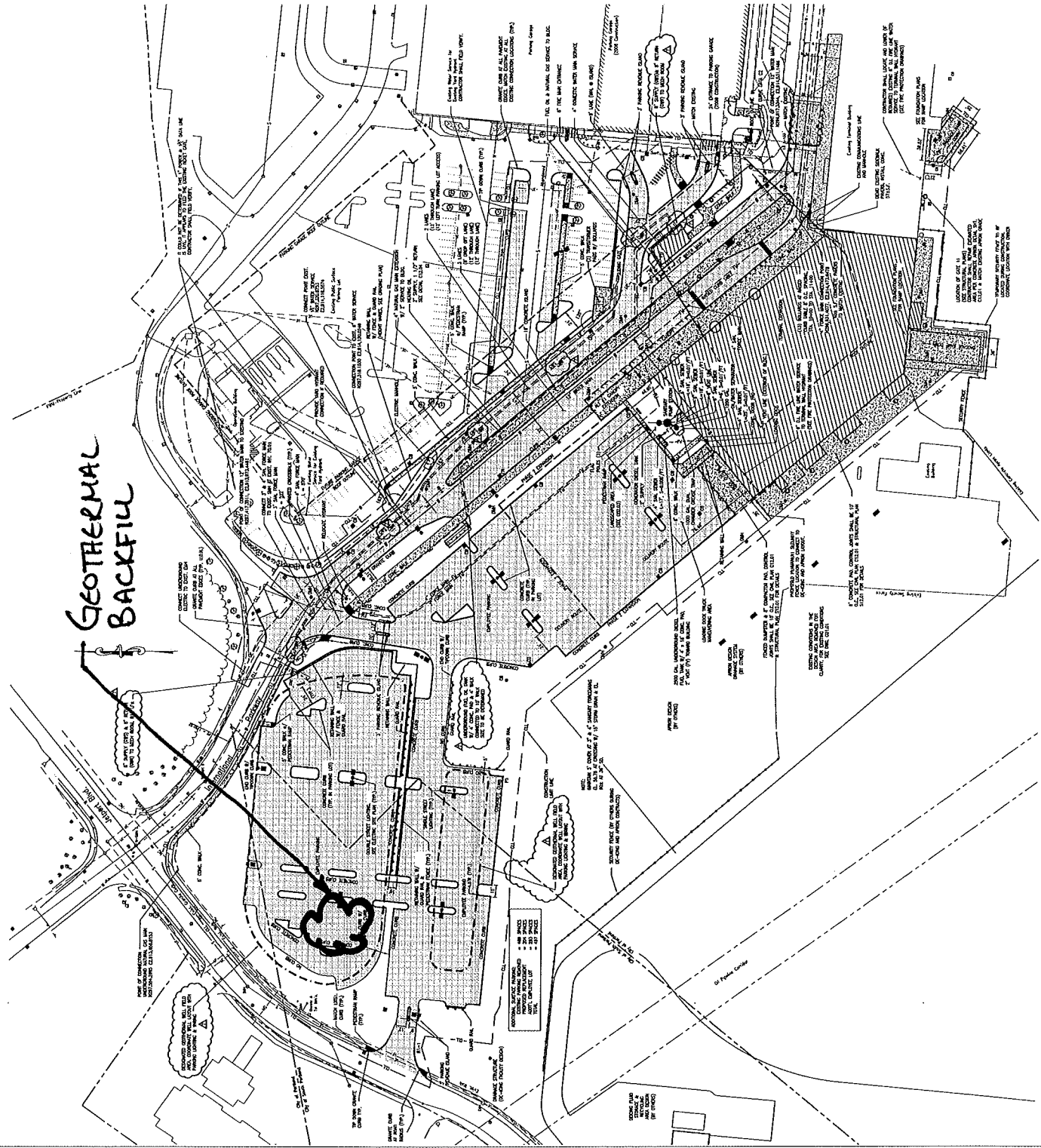
Gensler

meaf ASSOCIATES, INC.  
ARCHITECTS • INTERIORS • CONSTRUCTION MANAGEMENT

PORTLAND  
INTERNATIONAL  
TERMINAL  
EXPANSION

PORTLAND  
TERMINAL  
SS7-14  
8/13/2010  
MJK

GEOTHERMAL  
BACKFILL



GENERAL NOTES

1. SEE CONSTRUCTION AND GENERAL WORK SCHEDULE
2. SEE CONSTRUCTION FOR CLASH, CLEARANCE AND INTERFERENCES
3. SEE MATERIALS SPECIFICATIONS AND CONTRACT SCHEDULE
4. SEE FINISHES SPECIFICATIONS AND CONTRACT SCHEDULE
5. SEE STRUCTURAL AND MECHANICAL SPECIFICATIONS AND CONTRACT SCHEDULE
6. SEE ELECTRICAL SPECIFICATIONS AND CONTRACT SCHEDULE
7. SEE MECHANICAL SPECIFICATIONS AND CONTRACT SCHEDULE
8. SEE PLUMBING SPECIFICATIONS AND CONTRACT SCHEDULE
9. SEE SANITARY SPECIFICATIONS AND CONTRACT SCHEDULE
10. SEE FLOORING SPECIFICATIONS AND CONTRACT SCHEDULE
11. SEE PAINT AND FINISHES SPECIFICATIONS AND CONTRACT SCHEDULE
12. SEE SIGNAGE SPECIFICATIONS AND CONTRACT SCHEDULE



Project Engineer  
Professional Engineer  
Maine State Board of Professional Engineers  
August 13, 2010

C02.01.GTDWG  
Scale: 1" = 10'