



**SITE WORK
DAILY FIELD REPORT**

PROJECT: Terminal Enhancement at the Portland International Jetport
DATE: 9/27/2010
PROJECT LOCATION: Portland, Maine PROJECT NO.: 557-14
CLIENT: City of Portland WEATHER: Light Rain
CONTRACTOR: Turner Construction Co.
PREVIOUS DATE ON SITE: 09/24/2010

Time on-site at 3 hrs, 24 mi travel, Tolls: \$0.00
Nuc. Densometer - 1/2 day (L 500)

AREA 'A'

Upper lot: Gorham Sand & Gravel backfilled 1 geothermal loop. IPDs taken on sand fill material.

AREAS 'B' AND 'C'

CPU 8 sets of cylinders from 9/24.

MSK

Michael Kramlich

Prepared By

Matthew J. Grady

Matthew Grady

Reviewed By

PORTLAND INT'L AIRPORT
 TERMINAL EXPANSION
 SS7-14
 9-27-10
 MSK

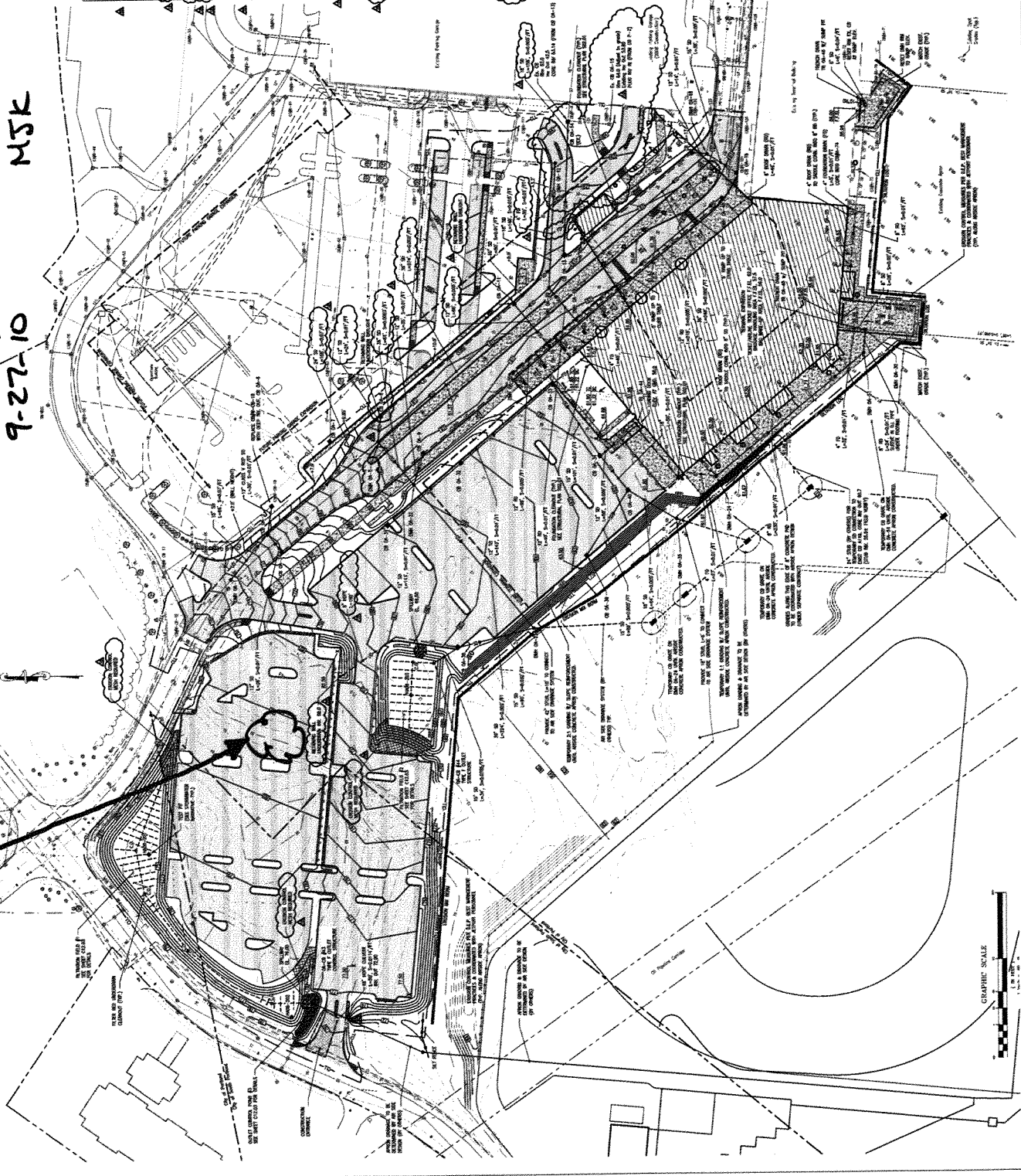
Portland International
 Jetport
 1001 Westbrook Street
 Portland, Maine 04102

Gensler
mest ASSOCIATES, INC.
 ENGINEERS ARCHITECTS INTERIORS CONSTRUCTION MANAGER

SHEET NOTES
 1. SEE GENERAL NOTES FOR DETAILS OF THE WORK
 2. SEE GENERAL NOTES

Revised Schedule

NO.	DESCRIPTION	DATE	BY
1	ISSUE FOR PERMITTING	09/27/10	MSK
2	ISSUE FOR CONSTRUCTION	10/01/10	MSK
3	ISSUE FOR OCCUPANCY	10/01/10	MSK
4	ISSUE FOR FINAL AS-BUILT	10/01/10	MSK
5	ISSUE FOR FINAL PAYMENT	10/01/10	MSK
6	ISSUE FOR FINAL REPORT	10/01/10	MSK
7	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
8	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
9	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
10	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
11	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
12	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
13	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
14	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
15	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
16	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
17	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
18	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
19	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
20	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
21	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
22	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
23	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
24	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
25	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
26	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
27	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
28	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
29	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
30	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
31	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
32	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
33	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
34	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
35	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
36	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
37	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
38	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
39	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
40	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
41	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
42	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
43	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
44	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
45	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
46	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
47	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
48	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
49	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK
50	ISSUE FOR FINAL ARCHIVE	10/01/10	MSK



GENERAL NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING CODES AND SPECIFICATIONS:
 - 1. AIAA 1995
 - 2. AIAA 1995
 - 3. AIAA 1995
 - 4. AIAA 1995
 - 5. AIAA 1995
 - 6. AIAA 1995
 - 7. AIAA 1995
 - 8. AIAA 1995
 - 9. AIAA 1995
 - 10. AIAA 1995
 - 11. AIAA 1995
 - 12. AIAA 1995
 - 13. AIAA 1995
 - 14. AIAA 1995
 - 15. AIAA 1995
 - 16. AIAA 1995
 - 17. AIAA 1995
 - 18. AIAA 1995
 - 19. AIAA 1995
 - 20. AIAA 1995
 - 21. AIAA 1995
 - 22. AIAA 1995
 - 23. AIAA 1995
 - 24. AIAA 1995
 - 25. AIAA 1995
 - 26. AIAA 1995
 - 27. AIAA 1995
 - 28. AIAA 1995
 - 29. AIAA 1995
 - 30. AIAA 1995
 - 31. AIAA 1995
 - 32. AIAA 1995
 - 33. AIAA 1995
 - 34. AIAA 1995
 - 35. AIAA 1995
 - 36. AIAA 1995
 - 37. AIAA 1995
 - 38. AIAA 1995
 - 39. AIAA 1995
 - 40. AIAA 1995
 - 41. AIAA 1995
 - 42. AIAA 1995
 - 43. AIAA 1995
 - 44. AIAA 1995
 - 45. AIAA 1995
 - 46. AIAA 1995
 - 47. AIAA 1995
 - 48. AIAA 1995
 - 49. AIAA 1995
 - 50. AIAA 1995
- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING CODES AND SPECIFICATIONS:
 - 1. AIAA 1995
 - 2. AIAA 1995
 - 3. AIAA 1995
 - 4. AIAA 1995
 - 5. AIAA 1995
 - 6. AIAA 1995
 - 7. AIAA 1995
 - 8. AIAA 1995
 - 9. AIAA 1995
 - 10. AIAA 1995
 - 11. AIAA 1995
 - 12. AIAA 1995
 - 13. AIAA 1995
 - 14. AIAA 1995
 - 15. AIAA 1995
 - 16. AIAA 1995
 - 17. AIAA 1995
 - 18. AIAA 1995
 - 19. AIAA 1995
 - 20. AIAA 1995
 - 21. AIAA 1995
 - 22. AIAA 1995
 - 23. AIAA 1995
 - 24. AIAA 1995
 - 25. AIAA 1995
 - 26. AIAA 1995
 - 27. AIAA 1995
 - 28. AIAA 1995
 - 29. AIAA 1995
 - 30. AIAA 1995
 - 31. AIAA 1995
 - 32. AIAA 1995
 - 33. AIAA 1995
 - 34. AIAA 1995
 - 35. AIAA 1995
 - 36. AIAA 1995
 - 37. AIAA 1995
 - 38. AIAA 1995
 - 39. AIAA 1995
 - 40. AIAA 1995
 - 41. AIAA 1995
 - 42. AIAA 1995
 - 43. AIAA 1995
 - 44. AIAA 1995
 - 45. AIAA 1995
 - 46. AIAA 1995
 - 47. AIAA 1995
 - 48. AIAA 1995
 - 49. AIAA 1995
 - 50. AIAA 1995

PROJECT INFORMATION
 PROJECT NO. 02-00000000
 PROJECT NAME PORTLAND INTERNATIONAL AIRPORT TERMINAL EXPANSION
 PROJECT LOCATION PORTLAND, MAINE
 PROJECT OWNER PORTLAND INTERNATIONAL AIRPORT
 PROJECT ARCHITECT GENSLER
 PROJECT ENGINEER MEST ASSOCIATES, INC.
 PROJECT DATE 09/27/10
 PROJECT SCALE 1/8" = 1'-0"

C02.02
 1" = 48'
 SEE GENERAL & FINISHES PLANS



**SITE WORK
DAILY FIELD REPORT**

PROJECT: Terminal Enhancement at the Portland International Jetport
DATE: 9/28/2010
PROJECT LOCATION: Portland, Maine PROJECT NO.: 557-14
CLIENT: City of Portland WEATHER: Overcast
CONTRACTOR: Turner Construction Co.
PREVIOUS DATE ON SITE: 09/27/2010

Time on-site at [✓]4 hrs, [✓]24 mi travel, Tolls: \$0.00
Nuc. Densometer – N/A

AREA 'A'

Upper lot: No work observed.

AREAS 'B' AND 'C'

Section of inside roadway at approximately STA 11+30 to 11+80 paved with 19mm binder. 50 tons of asphalt placed. Sampled first truck, and checked thicknesses and temperatures. Densities taken at random intervals for comparison to sample following laboratory testing.

Received permission from Jetport, via Lacey Fogg of Amec, to cut only 1 core (No fewer than 3 cores specified per placement) from area paved due to small total area.

MSK

Michael Kramlich

Prepared By

Matthew J. Grady

Matthew Grady

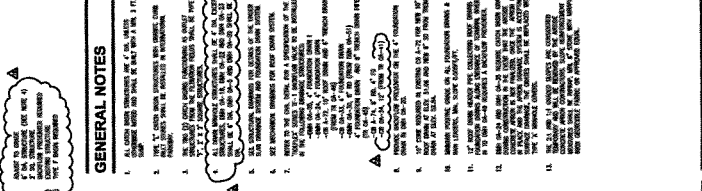
Reviewed By

SHEET NOTES

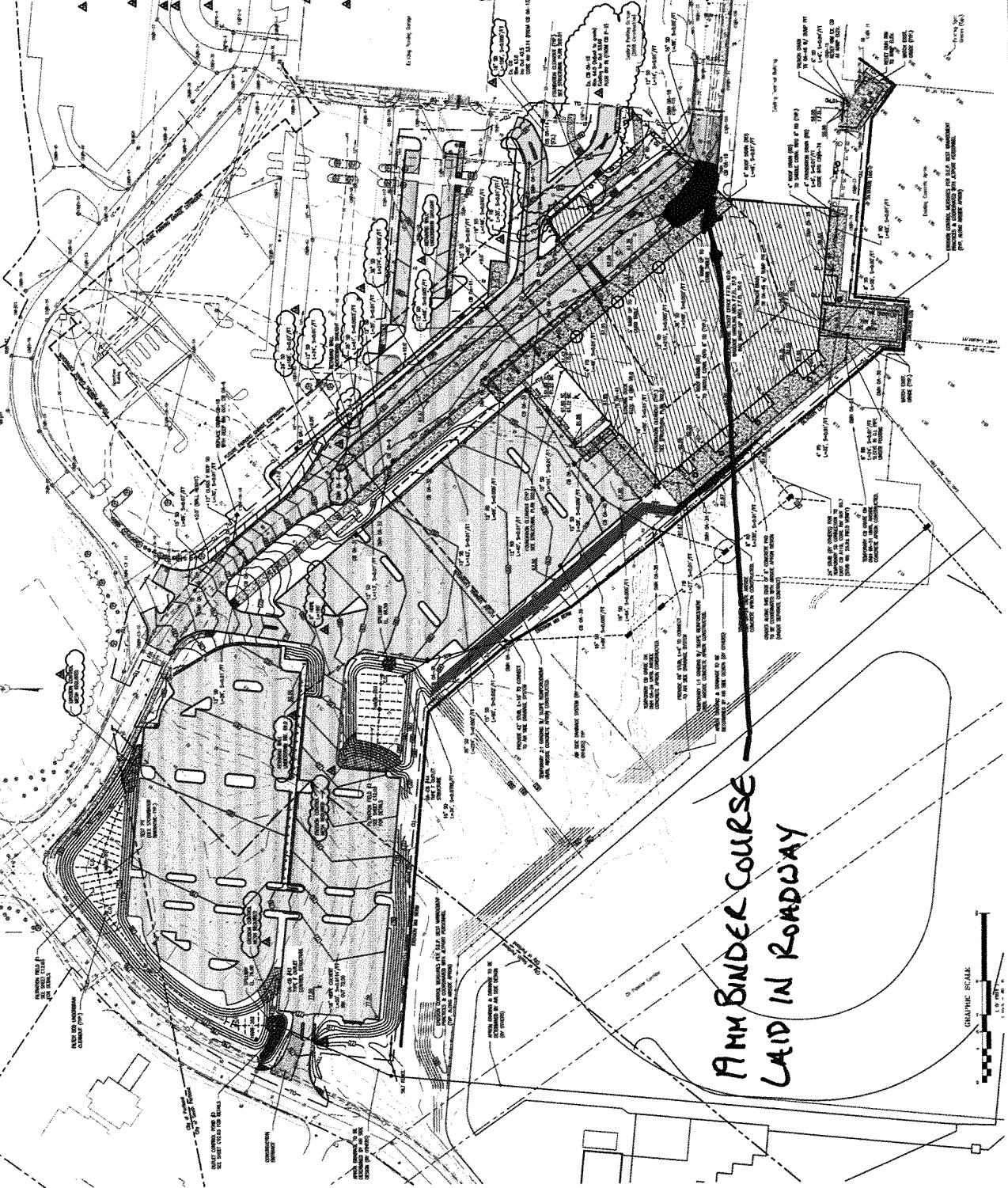
NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	11/15/88
2	ISSUED FOR CONSTRUCTION	03/22/89
3	ISSUED FOR BIDDING	05/10/89
4	ISSUED FOR RECORD	08/15/89
5	ISSUED FOR AS-BUILT	11/15/89

GENERAL NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE SPECIFICATIONS FOR HIGHWAY BRIDGES, SEVENTH EDITION, AND THE SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, SIXTH EDITION, BOTH PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.
- ALL DIMENSIONS SHALL BE UNLESS OTHERWISE NOTED.
- ALL MATERIALS SHALL BE OF THE BEST QUALITY AVAILABLE.
- ALL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE PORTLAND INTERNATIONAL AIRPORT AUTHORITY.
- ALL UTILITIES SHALL BE PROTECTED AND MAINTAINED AS MUCH AS POSSIBLE.
- ALL CONCRETE SHALL BE PLACED AND FINISHED IN ACCORDANCE WITH THE PORTLAND INTERNATIONAL AIRPORT AUTHORITY'S CONSTRUCTION MANUAL.
- ALL STEEL SHALL BE WELDED TOGETHER UNLESS OTHERWISE NOTED.
- ALL FOUNDATIONS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER.
- ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION.
- ALL TRAFFIC CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION.
- ALL UTILITIES SHALL BE REPAIRED OR REPLACED TO ORIGINAL OR BETTER CONDITION.
- ALL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- ALL COSTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL MATERIALS SHALL BE STORED PROPERLY TO PREVENT DAMAGE.
- ALL WORK SHALL BE CLEAN AND NEAT AT ALL TIMES.
- ALL SAFETY MEASURES SHALL BE STRICTLY ENFORCED.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.



PORTLAND INT'L JETPORT
TERMINAL EXPANSION
SS7-14
9-28-10
MSK



**11MM BINDER COURSE
LAID IN ROADWAY**





**SITE WORK
DAILY FIELD REPORT**

PROJECT: Terminal Enhancement at the Portland International Jetport

DATE: 9/29/2010

PROJECT LOCATION: Portland, Maine

PROJECT NO.: 557-14

CLIENT: City of Portland

WEATHER: Partly sunny

CONTRACTOR: Turner Construction Co.


PREVIOUS DATE ON SITE: 09/28/2010

Time on-site at 11.0 hrs, 24 mi travel, Tolls: \$0.00
Nuc. Densometer - N/A


227 cy of lightweight concrete placed as roof slab on deck (slab 4-2) and an additional 40 cy normal weight concrete placed as slabs on grade in stairwells along line XM.

5 sets of cylinders made for lightweight concrete placement; 4 out of the end of the pump and cured on the roof, and the last set collected from the hopper per Turner Construction and cured at ground level due to lack of available work space remaining on the roof deck. 1 set of cylinders made from normal weight concrete placed as slabs on grade.

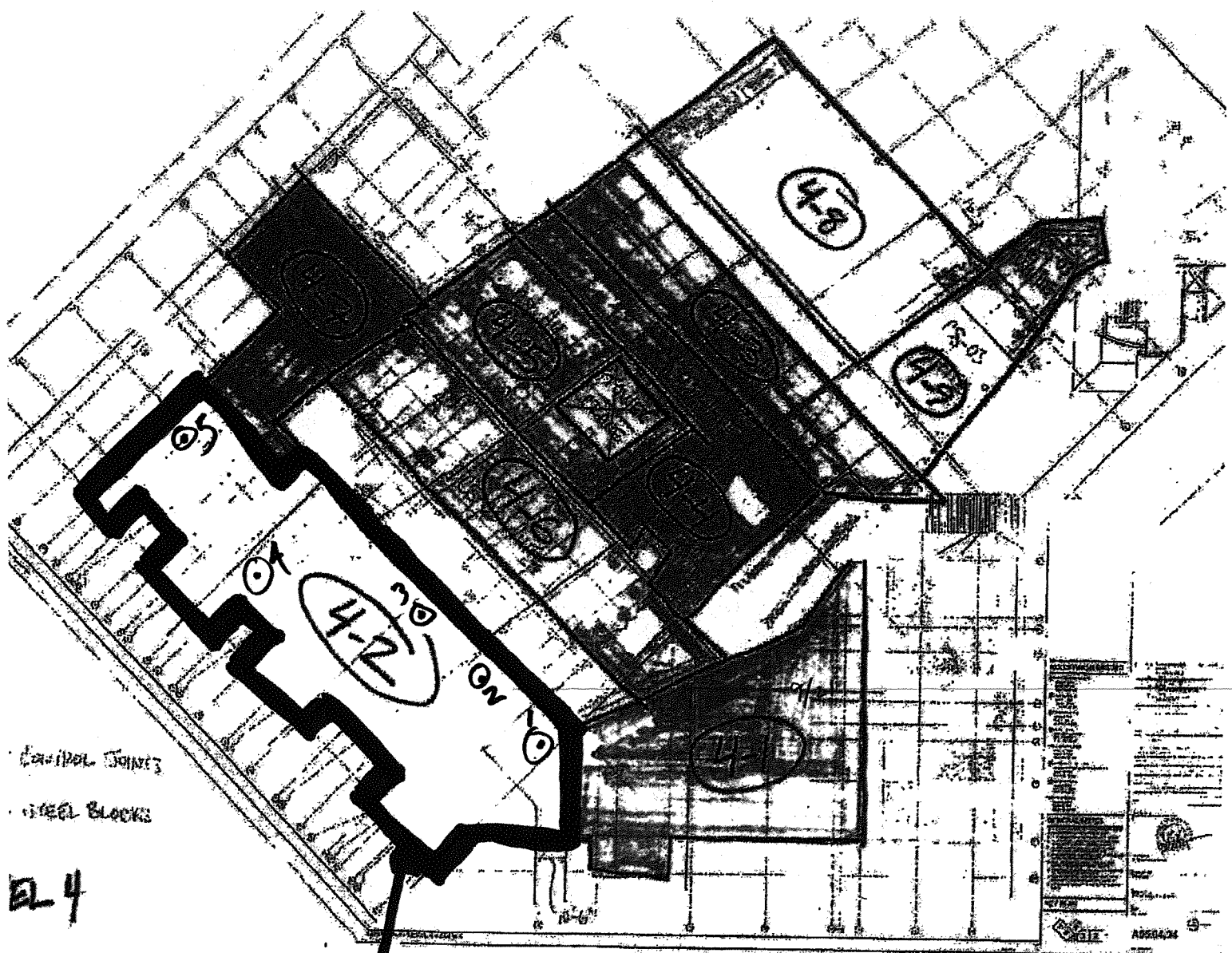
High slumps recorded on each sample of lightweight concrete. Ryan Dixon of Turner Construction notified after each slump test.



Michael Kramlich
Prepared By



Matthew Grady
Reviewed By



EQUIPMENT TRUCKS
STEEL BLOCKS

EL 4

SLAB ON DECK
227 yds. LIGHTWEIGHT, GRAY

⊙^S SAMPLE LOCATION

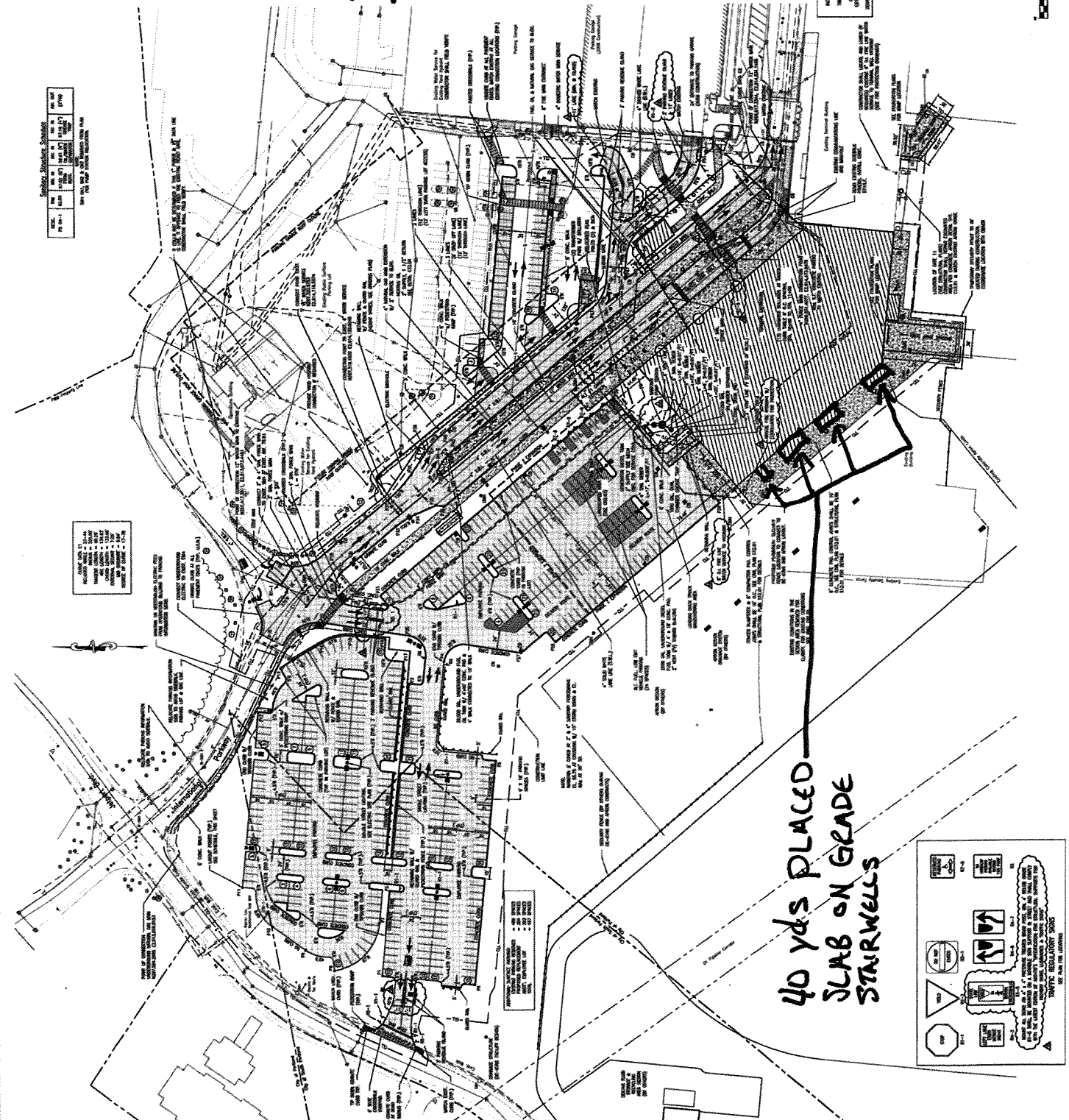
PORTLAND INT'L AIRPORT
TERMINAL EXPANSION
557-14
MSK
9-29-10

**PORTLAND INT'L JETPORT
TERMINAL EXPANSION
557-14
MSK
9-29-10**

SHEET NOTES

Level, Contour, Schedule

Level	Contour	Schedule
100	10	100
101	10	101
102	10	102
103	10	103
104	10	104
105	10	105
106	10	106
107	10	107
108	10	108
109	10	109
110	10	110
111	10	111
112	10	112
113	10	113
114	10	114
115	10	115
116	10	116
117	10	117
118	10	118
119	10	119
120	10	120
121	10	121
122	10	122
123	10	123
124	10	124
125	10	125
126	10	126
127	10	127
128	10	128
129	10	129
130	10	130
131	10	131
132	10	132
133	10	133
134	10	134
135	10	135
136	10	136
137	10	137
138	10	138
139	10	139
140	10	140
141	10	141
142	10	142
143	10	143
144	10	144
145	10	145
146	10	146
147	10	147
148	10	148
149	10	149
150	10	150



**40 YDS PLACED
SLAB ON GRADE
STAIRWELLS**

- GENERAL NOTES**
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODES AND ALL APPLICABLE LOCAL ORDINANCES.
 2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODES AND ALL APPLICABLE LOCAL ORDINANCES.
 3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODES AND ALL APPLICABLE LOCAL ORDINANCES.
 4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODES AND ALL APPLICABLE LOCAL ORDINANCES.
 5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODES AND ALL APPLICABLE LOCAL ORDINANCES.
 6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODES AND ALL APPLICABLE LOCAL ORDINANCES.
 7. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODES AND ALL APPLICABLE LOCAL ORDINANCES.



C02.01

7/3

R. W. GILLESPIE & ASSOCIATES, INC.
 Geotechnical Engineering · Geohydrology · Materials Testing Services

200 International Dr., Ste 170
 Portsmouth, NH 03801
 603-427-0244 · Fax 603-430-2041

Corporate Office
 86 Industrial Park Rd, Ste 4
 Saco, ME 04072
 207-286-8008 · Fax 207-286-2882

P.O. Box 289
 Augusta, ME 04344
 207-623-4914 · Fax 207-623-3429

ULTRASONIC EXAMINATION REPORT


Project Name: TERMINAL ENHANCEMENT @ THE PORTLAND JET PORT Date: 9-29-10
 Client/Project #: 557-14 Time on Site: 4.5
 General Contractor: TURNER CONSTRUCTION Mileage: 26
 Welding Contractor: JF STERNIS Tolls: 2.00

Weld Process: FGAW Location: LEVEL 3, ZONE 5 1/2
 Weld Designation (AWS): TC-44A-F

Weld Identification Area	Transducer Angle	Form Face	Leg	Decibels				Discontinuity				Remarks	
				Indication Level	Reference Level	Attenuation Factor	Indication Rating	Length	Angular Distance (Sound Path)	Depth from "A" Surface	Distance		
											From X		From Y
A	B	C	D										
Y4-XK	70	A			79.9								TOP & BOTTOM ACCEPT
Y5-XK													
Y7-XK													
Y7-XJ													
Y5-XJ													
Y4-XJ													
Y3-XJ													
Y3-XK													
XH-Y8													
XH-Y7.5													
XH-7													

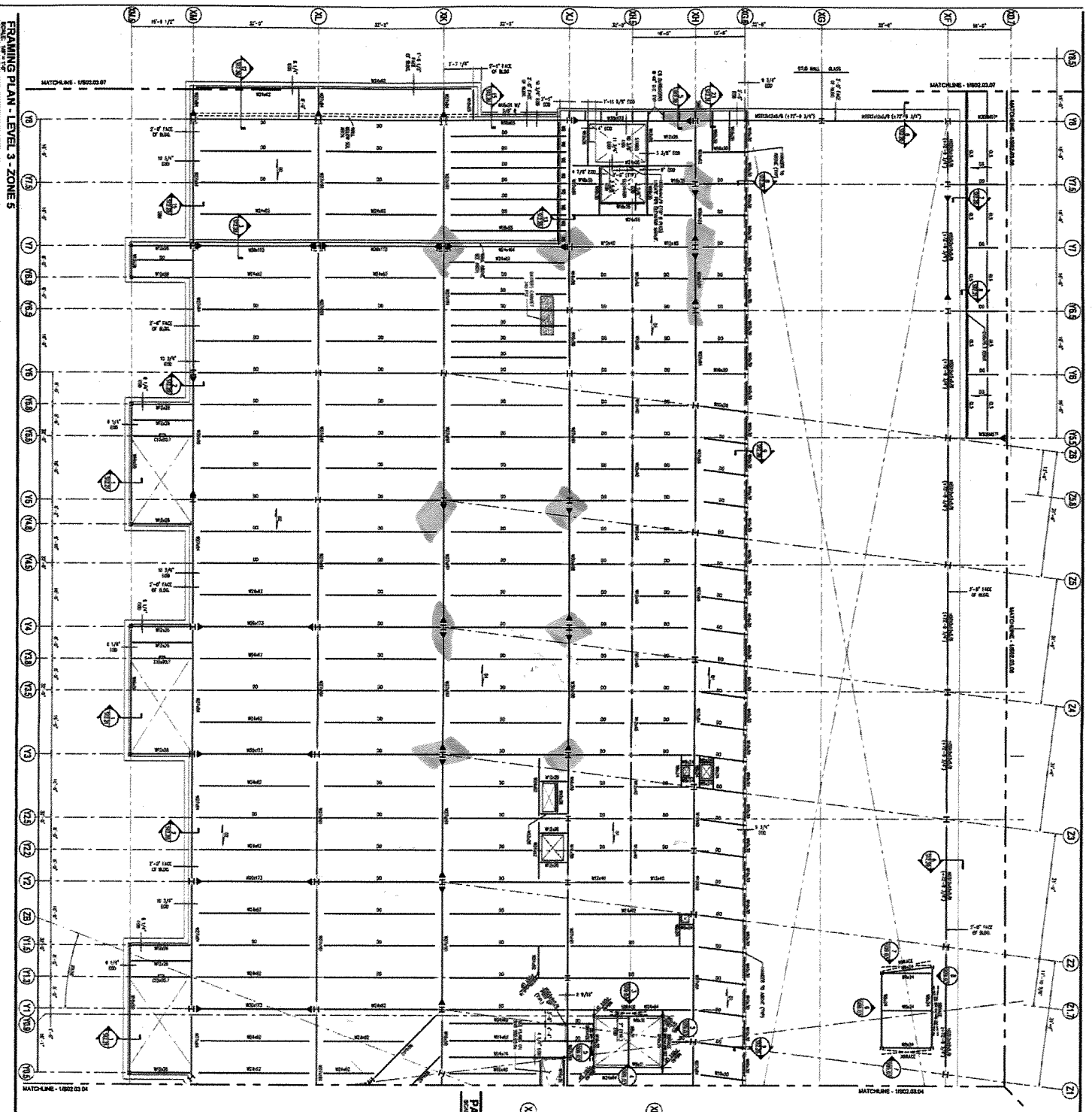
Weld Identification Area	Transducer Angle	Form Face	Leg	Decibels				Discontinuity			Remarks		
				Indication Level	Reference Level	Attenuation Factor	Indication Rating	Length	Angular Distance (Sound Path)	Depth from "A" Surface		Distance	
												From X	From Y
A	B	C	D										
XH-6.5	70	A			9.9						TOP & BOTTOM ACCEPT		

RWG&A personnel are represented on site solely to observe work of the identified contractors, to form opinions about the adequacy of those operations, and to report those opinions to RWG&A's client. The presence and activities of our field representative do not relieve any contractor from their obligations to meet contractual requirements. The contractor retains sole responsibility of site safety and the methods, operations, and sequences of construction.

Observations were verbally reported to:
RYAN DIXON, TURNER CONSTRUCTION
 Construction Technologist/CWI:
George S Morrell
 Print Name/Title
 Certification #:  George S Morrell
 CWI 04050311
 QC1 EXP. 5/1/2013

MG

FRAMING PLAN - LEVEL 3 - ZONE 5



Project: Terminal Enhancement – Portland International Jetport
 Project No.: 557-14
 Date: 9-29-10
 Technologist: GSM

KEY PLAN



SHEET NOTES

1. REFER TO SHEET 502.03.05 FOR GENERAL NOTES.
2. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.
3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
4. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE NOTED.
5. ALL DIMENSIONS ARE TO SURFACE UNLESS OTHERWISE NOTED.
6. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
7. ALL DIMENSIONS ARE TO CENTERLINE OF GRADE UNLESS OTHERWISE NOTED.
8. ALL DIMENSIONS ARE TO CENTERLINE OF FINISH GRADE UNLESS OTHERWISE NOTED.
9. ALL DIMENSIONS ARE TO CENTERLINE OF EXISTING GRADE UNLESS OTHERWISE NOTED.
10. ALL DIMENSIONS ARE TO CENTERLINE OF PROPOSED GRADE UNLESS OTHERWISE NOTED.
11. ALL DIMENSIONS ARE TO CENTERLINE OF PROPOSED FINISH GRADE UNLESS OTHERWISE NOTED.
12. ALL DIMENSIONS ARE TO CENTERLINE OF PROPOSED FINISH GRADE AT EXISTING ELEVATION UNLESS OTHERWISE NOTED.
13. ALL DIMENSIONS ARE TO CENTERLINE OF PROPOSED FINISH GRADE AT PROPOSED ELEVATION UNLESS OTHERWISE NOTED.
14. ALL DIMENSIONS ARE TO CENTERLINE OF PROPOSED FINISH GRADE AT PROPOSED ELEVATION AND FINISH UNLESS OTHERWISE NOTED.
15. ALL DIMENSIONS ARE TO CENTERLINE OF PROPOSED FINISH GRADE AT PROPOSED ELEVATION AND FINISH AND FINISH UNLESS OTHERWISE NOTED.
16. ALL DIMENSIONS ARE TO CENTERLINE OF PROPOSED FINISH GRADE AT PROPOSED ELEVATION AND FINISH AND FINISH UNLESS OTHERWISE NOTED.
17. ALL DIMENSIONS ARE TO CENTERLINE OF PROPOSED FINISH GRADE AT PROPOSED ELEVATION AND FINISH AND FINISH UNLESS OTHERWISE NOTED.
18. ALL DIMENSIONS ARE TO CENTERLINE OF PROPOSED FINISH GRADE AT PROPOSED ELEVATION AND FINISH AND FINISH UNLESS OTHERWISE NOTED.
19. ALL DIMENSIONS ARE TO CENTERLINE OF PROPOSED FINISH GRADE AT PROPOSED ELEVATION AND FINISH AND FINISH UNLESS OTHERWISE NOTED.
20. ALL DIMENSIONS ARE TO CENTERLINE OF PROPOSED FINISH GRADE AT PROPOSED ELEVATION AND FINISH AND FINISH UNLESS OTHERWISE NOTED.
21. ALL DIMENSIONS ARE TO CENTERLINE OF PROPOSED FINISH GRADE AT PROPOSED ELEVATION AND FINISH AND FINISH UNLESS OTHERWISE NOTED.
22. ALL DIMENSIONS ARE TO CENTERLINE OF PROPOSED FINISH GRADE AT PROPOSED ELEVATION AND FINISH AND FINISH UNLESS OTHERWISE NOTED.
23. ALL DIMENSIONS ARE TO CENTERLINE OF PROPOSED FINISH GRADE AT PROPOSED ELEVATION AND FINISH AND FINISH UNLESS OTHERWISE NOTED.
24. ALL DIMENSIONS ARE TO CENTERLINE OF PROPOSED FINISH GRADE AT PROPOSED ELEVATION AND FINISH AND FINISH UNLESS OTHERWISE NOTED.
25. ALL DIMENSIONS ARE TO CENTERLINE OF PROPOSED FINISH GRADE AT PROPOSED ELEVATION AND FINISH AND FINISH UNLESS OTHERWISE NOTED.
26. ALL DIMENSIONS ARE TO CENTERLINE OF PROPOSED FINISH GRADE AT PROPOSED ELEVATION AND FINISH AND FINISH UNLESS OTHERWISE NOTED.
27. ALL DIMENSIONS ARE TO CENTERLINE OF PROPOSED FINISH GRADE AT PROPOSED ELEVATION AND FINISH AND FINISH UNLESS OTHERWISE NOTED.
28. ALL DIMENSIONS ARE TO CENTERLINE OF PROPOSED FINISH GRADE AT PROPOSED ELEVATION AND FINISH AND FINISH UNLESS OTHERWISE NOTED.
29. ALL DIMENSIONS ARE TO CENTERLINE OF PROPOSED FINISH GRADE AT PROPOSED ELEVATION AND FINISH AND FINISH UNLESS OTHERWISE NOTED.
30. ALL DIMENSIONS ARE TO CENTERLINE OF PROPOSED FINISH GRADE AT PROPOSED ELEVATION AND FINISH AND FINISH UNLESS OTHERWISE NOTED.

Portland International Jetport
 1001 Westbank Street
 Portland, Maine 04102

Gensler
 300 Franklin St.
 Portland, ME 04102
 Phone: 207.633.2222

WEST ASSOCIATES, INC.
 ENGINEERS ARCHITECTS INTERIORS
 1001 Westbank Street
 Portland, ME 04102
 Phone: 207.633.2222

468-5712

15

REVISIONS

NO.	DATE	DESCRIPTION
1	09/29/10	ISSUED FOR PERMIT
2	09/29/10	FOR CONSTRUCTION CONTRACT
3	09/29/10	FOR CONSTRUCTION CONTRACT
4	09/29/10	FOR CONSTRUCTION CONTRACT
5	09/29/10	FOR CONSTRUCTION CONTRACT
6	09/29/10	FOR CONSTRUCTION CONTRACT
7	09/29/10	FOR CONSTRUCTION CONTRACT
8	09/29/10	FOR CONSTRUCTION CONTRACT
9	09/29/10	FOR CONSTRUCTION CONTRACT
10	09/29/10	FOR CONSTRUCTION CONTRACT
11	09/29/10	FOR CONSTRUCTION CONTRACT
12	09/29/10	FOR CONSTRUCTION CONTRACT
13	09/29/10	FOR CONSTRUCTION CONTRACT
14	09/29/10	FOR CONSTRUCTION CONTRACT
15	09/29/10	FOR CONSTRUCTION CONTRACT
16	09/29/10	FOR CONSTRUCTION CONTRACT
17	09/29/10	FOR CONSTRUCTION CONTRACT
18	09/29/10	FOR CONSTRUCTION CONTRACT
19	09/29/10	FOR CONSTRUCTION CONTRACT
20	09/29/10	FOR CONSTRUCTION CONTRACT
21	09/29/10	FOR CONSTRUCTION CONTRACT
22	09/29/10	FOR CONSTRUCTION CONTRACT
23	09/29/10	FOR CONSTRUCTION CONTRACT
24	09/29/10	FOR CONSTRUCTION CONTRACT
25	09/29/10	FOR CONSTRUCTION CONTRACT
26	09/29/10	FOR CONSTRUCTION CONTRACT
27	09/29/10	FOR CONSTRUCTION CONTRACT
28	09/29/10	FOR CONSTRUCTION CONTRACT
29	09/29/10	FOR CONSTRUCTION CONTRACT
30	09/29/10	FOR CONSTRUCTION CONTRACT

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

S02.03.05



**SITE WORK
DAILY FIELD REPORT**

PROJECT: Terminal Enhancement at the Portland International Jetport
DATE: 9/30/2010
PROJECT LOCATION: Portland, Maine PROJECT NO.: 557-14
CLIENT: City of Portland WEATHER: Overcast
CONTRACTOR: Turner Construction Co.
PREVIOUS DATE ON SITE: 09/29/2010

Time on-site at 2 hrs, 24 mi travel (private vehicle), Tolls: \$0.00
Nuc. Densometer – N/A

Picked up 6 sets of cylinders from placement on 9/29. (1 lightweight, 1 normalweight)
Cylinders left on roof deck over night (sets 1-4) had been moved at unknown time.
Temperature range for cylinders 68°F – 87°F.

Lacey Fogg of Amec called to ask about the presence of a water reducer in the concrete,
after having been notified of slumps exceeding the 5" ±1" specified in the mix design.
Review of the batch slips showed the usual amount of Glenium 7500, which is the mid
range water reducing agent used.

Michael Kramlich

Prepared By

Matthew Grady

Reviewed By

Daily Observation Report

Project: <u>PORTLAND JETPORT</u>	Time: _____ End Time	Mileage: _____ End
Project No.: <u>557-14</u> Tolls: <u>#2</u>	_____ Beg. Time	_____ Begin
Per Diem/Lodging: _____	✓ <u>3</u> Total Time	✓ <u>27</u> Total

Observations:

In-Place Densities Done _____ All IPDs meet Specifications Reported to _____
 Not all IPDs meet Specifications Reported to _____

Phone Calls: ERIC COHENOUR AND I CORED TWO 6" DIAMETER ASPHALT SAMPLES AT THE LOCATIONS MARKED ON THE ATTACHED SKETCH.

RRC

Signed: *[Signature]*

Reviewed By: *[Signature]*

<input type="checkbox"/> HNU _____ day	<input type="checkbox"/> Concrete Equipment	Monitoring Well Supplies
<input type="checkbox"/> Survey Level _____ day	<input type="checkbox"/> Nuc Densometer _____ day	_____ Bags of Bentonite _____ Locks
<input type="checkbox"/> Rebar Meter _____ day	<input checked="" type="checkbox"/> Coring Machine <u>6"</u> Dia.	_____ 5 ft. Screen 2" PVC _____ Caps
_____ Bailers (Disposable)	<input checked="" type="checkbox"/> <u>6 1/2"</u> Inches Cored	_____ 10 ft. Screen 2" PVC _____ Points
<input type="checkbox"/> Water Level Ind. _____ day	<input checked="" type="checkbox"/> Generator <input type="checkbox"/> Taylor Rental	_____ 5 ft. Riser 2" PVC _____ Screw Caps
<input type="checkbox"/> Drill Rig _____ day	<input type="checkbox"/> Peristaltic Pump (note tubing used)	_____ 10 ft. Riser 2" PVC
<input type="checkbox"/> Backhoe _____ day	<input type="checkbox"/> Other	_____ Other _____

PORTLAND JEFFERSON DISTRICT
 9/30/10
 RONEY COLLARD
 ASPHALT CORING

SHEET NOTES

1. SEE GENERAL NOTES FOR DETAILS OF THE WORK.

Portland International
 Jetport
 3011 Westwood Drive
 Portland, Maine 04122

Gensler

MAST ASSOCIATES, INC.
 1000 Commercial Street
 Portland, Maine 04102

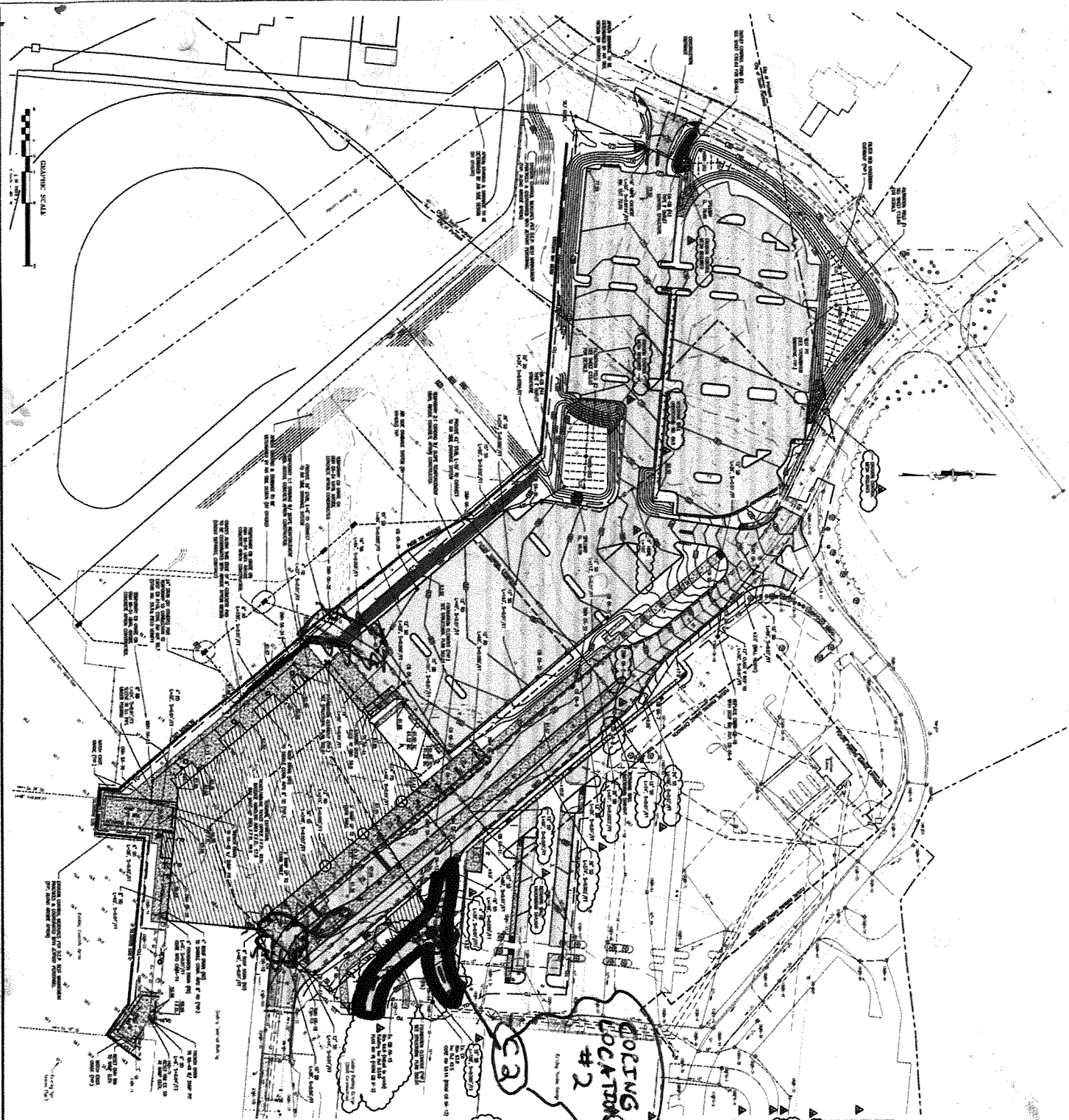
General Notes 2

NO.	DESCRIPTION	DATE
1	ASPHALT CORING	9/30/10
2	ASPHALT CORING	9/30/10
3	ASPHALT CORING	9/30/10
4	ASPHALT CORING	9/30/10
5	ASPHALT CORING	9/30/10
6	ASPHALT CORING	9/30/10
7	ASPHALT CORING	9/30/10
8	ASPHALT CORING	9/30/10
9	ASPHALT CORING	9/30/10
10	ASPHALT CORING	9/30/10
11	ASPHALT CORING	9/30/10
12	ASPHALT CORING	9/30/10
13	ASPHALT CORING	9/30/10
14	ASPHALT CORING	9/30/10
15	ASPHALT CORING	9/30/10
16	ASPHALT CORING	9/30/10
17	ASPHALT CORING	9/30/10
18	ASPHALT CORING	9/30/10
19	ASPHALT CORING	9/30/10
20	ASPHALT CORING	9/30/10
21	ASPHALT CORING	9/30/10
22	ASPHALT CORING	9/30/10
23	ASPHALT CORING	9/30/10
24	ASPHALT CORING	9/30/10
25	ASPHALT CORING	9/30/10
26	ASPHALT CORING	9/30/10
27	ASPHALT CORING	9/30/10
28	ASPHALT CORING	9/30/10
29	ASPHALT CORING	9/30/10
30	ASPHALT CORING	9/30/10
31	ASPHALT CORING	9/30/10
32	ASPHALT CORING	9/30/10
33	ASPHALT CORING	9/30/10
34	ASPHALT CORING	9/30/10
35	ASPHALT CORING	9/30/10
36	ASPHALT CORING	9/30/10
37	ASPHALT CORING	9/30/10
38	ASPHALT CORING	9/30/10
39	ASPHALT CORING	9/30/10
40	ASPHALT CORING	9/30/10
41	ASPHALT CORING	9/30/10
42	ASPHALT CORING	9/30/10
43	ASPHALT CORING	9/30/10
44	ASPHALT CORING	9/30/10
45	ASPHALT CORING	9/30/10
46	ASPHALT CORING	9/30/10
47	ASPHALT CORING	9/30/10
48	ASPHALT CORING	9/30/10
49	ASPHALT CORING	9/30/10
50	ASPHALT CORING	9/30/10

CORING LOCATION #2

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE PORTLAND INTERNATIONAL JETPORT AIRPORT CONSTRUCTION MANUAL.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE PORTLAND INTERNATIONAL JETPORT AUTHORITY.
3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND PUBLIC AREAS AT ALL TIMES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES.
5. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AND EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND RESTORATION OF ALL ENVIRONMENTAL RESOURCES.
7. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SAFETY MEASURES AND BARRIERS AT ALL TIMES.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND RESTORATION OF ALL EXISTING LANDSCAPE AND PLANTING.
9. THE CONTRACTOR SHALL MAINTAIN ADEQUATE ACCESS TO ALL ADJACENT PROPERTIES AND PUBLIC AREAS AT ALL TIMES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE PORTLAND INTERNATIONAL JETPORT AUTHORITY.
11. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND PUBLIC AREAS AT ALL TIMES.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES.
13. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AND EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND RESTORATION OF ALL ENVIRONMENTAL RESOURCES.
15. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SAFETY MEASURES AND BARRIERS AT ALL TIMES.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND RESTORATION OF ALL EXISTING LANDSCAPE AND PLANTING.
17. THE CONTRACTOR SHALL MAINTAIN ADEQUATE ACCESS TO ALL ADJACENT PROPERTIES AND PUBLIC AREAS AT ALL TIMES.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE PORTLAND INTERNATIONAL JETPORT AUTHORITY.
19. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND PUBLIC AREAS AT ALL TIMES.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES.
21. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AND EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND RESTORATION OF ALL ENVIRONMENTAL RESOURCES.
23. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SAFETY MEASURES AND BARRIERS AT ALL TIMES.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND RESTORATION OF ALL EXISTING LANDSCAPE AND PLANTING.
25. THE CONTRACTOR SHALL MAINTAIN ADEQUATE ACCESS TO ALL ADJACENT PROPERTIES AND PUBLIC AREAS AT ALL TIMES.
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE PORTLAND INTERNATIONAL JETPORT AUTHORITY.
27. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND PUBLIC AREAS AT ALL TIMES.
28. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES.
29. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AND EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
30. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND RESTORATION OF ALL ENVIRONMENTAL RESOURCES.
31. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SAFETY MEASURES AND BARRIERS AT ALL TIMES.
32. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND RESTORATION OF ALL EXISTING LANDSCAPE AND PLANTING.
33. THE CONTRACTOR SHALL MAINTAIN ADEQUATE ACCESS TO ALL ADJACENT PROPERTIES AND PUBLIC AREAS AT ALL TIMES.
34. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE PORTLAND INTERNATIONAL JETPORT AUTHORITY.
35. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND PUBLIC AREAS AT ALL TIMES.
36. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES.
37. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AND EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
38. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND RESTORATION OF ALL ENVIRONMENTAL RESOURCES.
39. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SAFETY MEASURES AND BARRIERS AT ALL TIMES.
40. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND RESTORATION OF ALL EXISTING LANDSCAPE AND PLANTING.
41. THE CONTRACTOR SHALL MAINTAIN ADEQUATE ACCESS TO ALL ADJACENT PROPERTIES AND PUBLIC AREAS AT ALL TIMES.
42. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE PORTLAND INTERNATIONAL JETPORT AUTHORITY.
43. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND PUBLIC AREAS AT ALL TIMES.
44. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES.
45. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AND EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
46. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND RESTORATION OF ALL ENVIRONMENTAL RESOURCES.
47. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SAFETY MEASURES AND BARRIERS AT ALL TIMES.
48. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND RESTORATION OF ALL EXISTING LANDSCAPE AND PLANTING.
49. THE CONTRACTOR SHALL MAINTAIN ADEQUATE ACCESS TO ALL ADJACENT PROPERTIES AND PUBLIC AREAS AT ALL TIMES.
50. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE PORTLAND INTERNATIONAL JETPORT AUTHORITY.



PROJECT INFORMATION

PROJECT NO. C02.02

DATE 9/30/10

PROJECT LOCATION PORTLAND INTERNATIONAL JETPORT

PROJECT DESCRIPTION ASPHALT CORING

PROJECT OWNER PORTLAND INTERNATIONAL JETPORT AUTHORITY

PROJECT MANAGER [Signature]

PROJECT ENGINEER [Signature]

PROJECT ARCHITECT GENSLER

PROJECT CONSULTANT MAST ASSOCIATES, INC.

PROJECT CONTRACTOR [Signature]

PROJECT SCHEDULE

START DATE 9/30/10

END DATE 10/30/10

PROJECT STATUS [Signature]

PROJECT CONTACT [Signature]

PROJECT PHONE [Signature]

PROJECT FAX [Signature]

PROJECT EMAIL [Signature]

PROJECT WEBSITE [Signature]

PROJECT ADDRESS [Signature]

PROJECT CITY [Signature]

PROJECT STATE [Signature]

PROJECT ZIP [Signature]

PROJECT COUNTRY [Signature]

PROJECT PROJECTOR [Signature]

PROJECT PROJECTOR TITLE [Signature]

PROJECT PROJECTOR ADDRESS [Signature]

PROJECT PROJECTOR CITY [Signature]

PROJECT PROJECTOR STATE [Signature]

PROJECT PROJECTOR ZIP [Signature]

PROJECT PROJECTOR COUNTRY [Signature]

PROJECT PROJECTOR PROJECTOR [Signature]

PROJECT PROJECTOR PROJECTOR TITLE [Signature]

PROJECT PROJECTOR PROJECTOR ADDRESS [Signature]

PROJECT PROJECTOR PROJECTOR CITY [Signature]

PROJECT PROJECTOR PROJECTOR STATE [Signature]

PROJECT PROJECTOR PROJECTOR ZIP [Signature]

PROJECT PROJECTOR PROJECTOR COUNTRY [Signature]

PROJECT PROJECTOR PROJECTOR PROJECTOR [Signature]

PROJECT PROJECTOR PROJECTOR PROJECTOR TITLE [Signature]

PROJECT PROJECTOR PROJECTOR PROJECTOR ADDRESS [Signature]

PROJECT PROJECTOR PROJECTOR PROJECTOR CITY [Signature]

PROJECT PROJECTOR PROJECTOR PROJECTOR STATE [Signature]

PROJECT PROJECTOR PROJECTOR PROJECTOR ZIP [Signature]

PROJECT PROJECTOR PROJECTOR PROJECTOR COUNTRY [Signature]

Daily Observation Report

Project: <u>PORTLAND AIRPORT</u>	Time: _____ End Time	Mileage: _____ End
Project No.: <u>557-14</u>	Tolls: <u>1.00</u>	_____ Beg. Time
Per Diem/Lodging: _____	_____ Total Time	_____ Begin
	✓ <u>1</u>	✓ <u>70</u> Total

Observations:

In-Place Densities Done _____ All IPDs meet Specifications Reported to _____
 Not all IPDs meet Specifications Reported to _____

Phone Calls:

^{ASPHALT}
 - TOOK CORES WITH RCL FROM ROAD AND PARKING GARAGE ENTRANCE.

Reviewed By: [Signature]

Signed: [Signature] EEC

<input type="checkbox"/> HNU _____ day	<input type="checkbox"/> Concrete Equipment	Monitoring Well Supplies
<input type="checkbox"/> Survey Level _____ day	<input type="checkbox"/> Nuc Densometer _____ day	_____ Bags of Bentonite
<input type="checkbox"/> Rebar Meter _____ day	<input type="checkbox"/> Coring Machine _____ Dia.	_____ 5 ft. Screen 2" PVC
_____ Bailers (Disposable)	_____ Inches Cored	_____ 10 ft. Screen 2" PVC
<input type="checkbox"/> Water Level Ind. _____ day	<input type="checkbox"/> Generator <input type="checkbox"/> Taylor Rental	_____ 5 ft. Riser 2" PVC
<input type="checkbox"/> Drill Rig _____ day	<input type="checkbox"/> Peristaltic Pump (note tubing used)	_____ 10 ft. Riser 2" PVC
<input type="checkbox"/> Backhoe _____ day	<input type="checkbox"/> Other	_____ Other _____
		_____ Locks
		_____ Caps
		_____ Points
		_____ Screw Caps




**SITE WORK
DAILY FIELD REPORT**

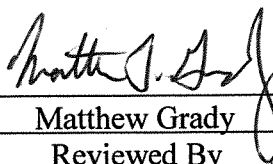
PROJECT: Terminal Enhancement at the Portland International Jetport
DATE: 10/02/10
PROJECT LOCATION: Portland, Maine PROJECT NO.: 557-14
CLIENT: City of Portland WEATHER: Sunny
CONTRACTOR: Turner Construction Co.
PREVIOUS DATE ON SITE: 09/30/10

Time on-site at 3hrs, 10mi travel (private vehicle), Tolls: \$0.00
Nuc. Densometer - N/A

Met MCS at jobsite to help with setup and introduce him to Turner representative.



Michael Kramlich
Prepared By



Matthew Grady
Reviewed By

Daily Observation Report

Project: <u>TERMINAL EXPANSION AT THE PORTLAND JETPORT</u>		Time: _____ End Time	Mileage: _____ End
Project No.: <u>557-14</u>	Tolls: <u>0.60</u>	_____ Beg. Time	_____ Begin
Per Diem/Lodging:		✓ <u>8</u> Total Time	✓ <u>30</u> Total

Observations:

In-Place Densities Done _____ All IPDs meet Specifications Reported to _____
 Not all IPDs meet Specifications Reported to _____

Phone Calls:

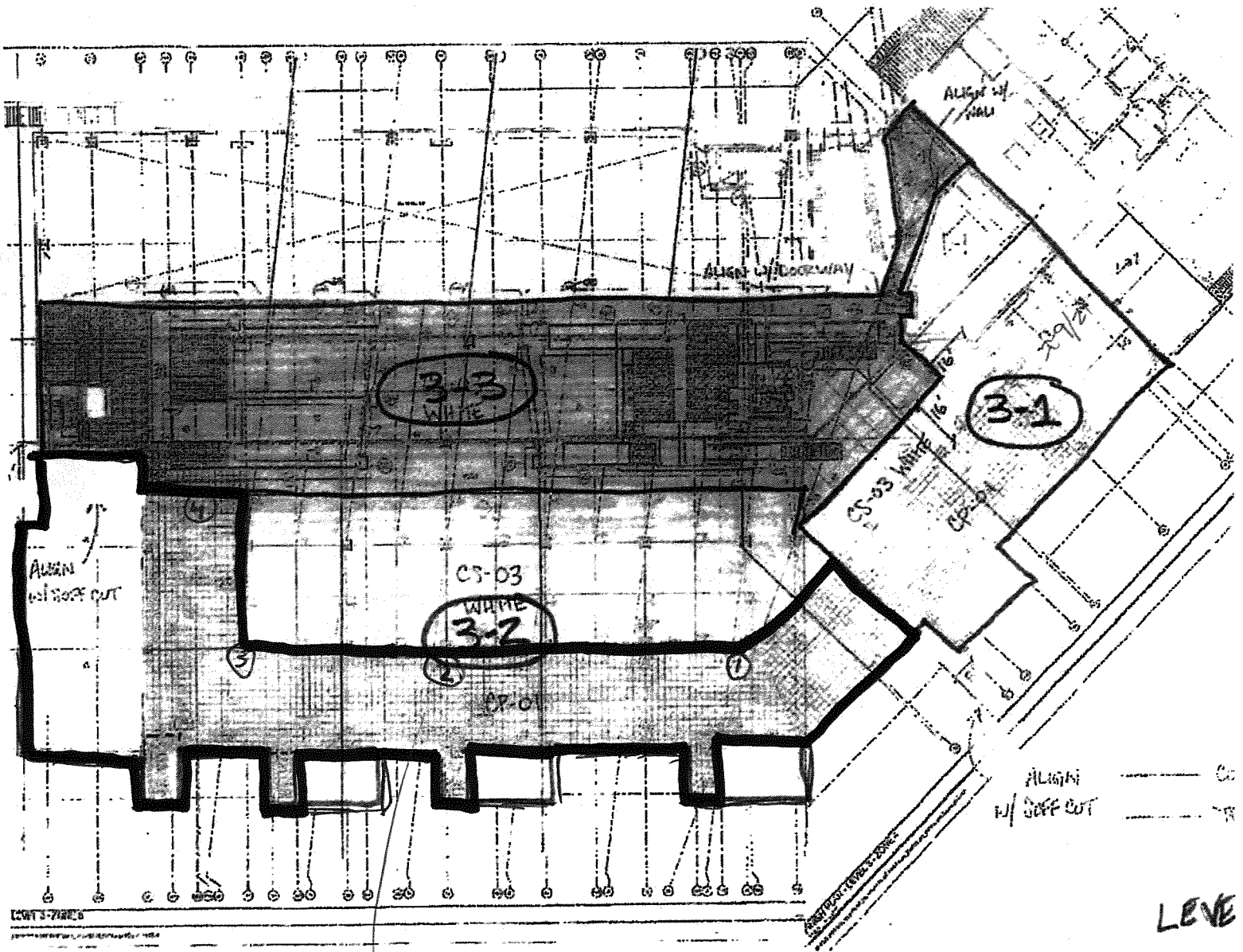
Visited the site in the morning for a concrete placement for a slab on deck on the second level of the building. They placed the portion of slab 3-2 as located on the field sketch. Francis Harvey placed 190 cubic yards of LW concrete and there were 4 samples of the concrete obtained and tested for slump, air content, unit weight and temperature. The slump ranged from 6"-9 1/2" throughout the placement. Mike Kramlich was on site in the morning at the start of the placement and informed Geoff of Turner Construction that the slump on the first sample was 9 1/2". Throughout the placement when samples were taken I informed Geoff (Turner Const.), Joel (Auburn Concrete) and Francis Harvey Concrete of the test results as the testing was completed and they were aware that the concrete's slump was out of spec.

Reviewed By: MKG

Signed: M. Stone

MKS-RWGDA

<input type="checkbox"/> HNU _____ day	<input type="checkbox"/> Concrete Equipment	Monitoring Well Supplies	
<input type="checkbox"/> Survey Level _____ day	<input type="checkbox"/> Nuc Densometer _____ day	_____ Bags of Bentonite	_____ Locks
<input type="checkbox"/> Rebar Meter _____ day	<input type="checkbox"/> Coring Machine _____ Dia.	_____ 5 ft. Screen 2" PVC	_____ Caps
_____ Bailers (Disposable)	_____ Inches Cored	_____ 10 ft. Screen 2" PVC	_____ Points
<input type="checkbox"/> Water Level Ind. _____ day	<input type="checkbox"/> Generator <input type="checkbox"/> Taylor Rental	_____ 5 ft. Riser 2" PVC	_____ Screw Caps
<input type="checkbox"/> Drill Rig _____ day	<input type="checkbox"/> Peristaltic Pump (note tubing used)	_____ 10 ft. Riser 2" PVC	
<input type="checkbox"/> Backhoe _____ day	<input type="checkbox"/> Other	_____ Other _____	



CONCRETE PLACEMENT
 - SLAB ON DECK

LEVE
 3

TERMINAL ENHANCEMENT AT
 THE PORTLAND AIRPORT
 #SS7-14
 MCS
 OCTOBER 2, 2010