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

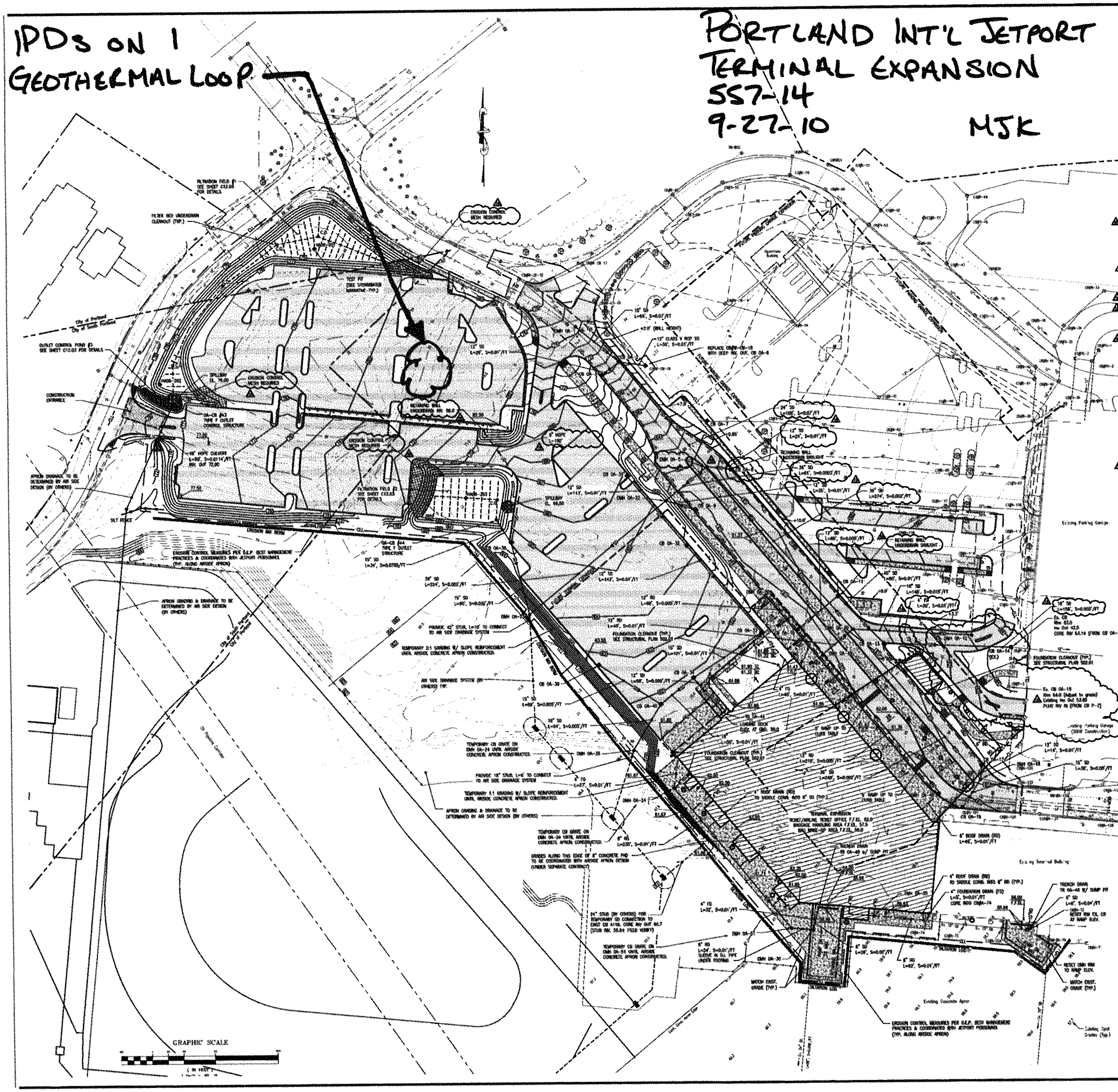
Time on-site at 3 hrs, 24 mi travel, Tolls: $0.00
Nuc. Densometer – ½ day (L 500)

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.

MJK
Michael Kramlich
Prepared By

Matthew Grady
Reviewed By



SHEET NOTES

1. SEE STRUCTURAL DRAWINGS FOR DETAILS OF THE UNDER SLAB DRAINAGE SYSTEM.

Drainage Structure Schedule

DESC.	RIM	INV. IN	INV. IN	INV. IN	INV. OUT
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

GENERAL NOTES

1. ALL CATCH BASIN STRUCTURES ARE 4' DIA. UNLESS OTHERWISE NOTED AND SHALL BE BUILT WITH A MIN. 3 FT. SUMP
2. TYPE "L" CATCH BASIN STRUCTURES WITH GRANITE CURB INLET STONES SHALL BE INSTALLED IN [illegible]
3. THE TWO (2) CATCH BASINS FUNCTIONING AS OUTLET STRUCTURES FROM THE FILTRATION FIELDS SHALL BE TYPE "F", 2' X 2' [illegible] STRUCTURES.
4. ALL DRAIN MANHOLE STRUCTURES SHALL BE 4' DIA. EXCEPT STRUCTURES, DMH OA-16, DMH OA-22 AND DMH OA-23 SHALL BE 6' DIA. DMH OA-5 AND DMH OA-35 SHALL BE 6' DIA.
5. SEE STRUCTURAL DRAWINGS FOR DETAILS OF THE UNDER SLAB DRAINAGE SYSTEM AND FOUNDATION DRAIN SYSTEM.
6. SEE MECHANICAL DRAWINGS FOR ROOF DRAIN SYSTEM.
7. [illegible]
8. PROVIDE BACKFLOW PREVENTER ON THE 4" FOUNDATION DRAIN IN DMH OA-35.
9. [illegible]
10. MAINTAIN POSITIVE GRADE ON ALL FOUNDATION DRAINS & RAIN LEADERS, MIN. SLOPE [illegible]
11. [illegible]
12. [illegible]
13. [illegible]

Portland International Jetport
1001 Westbrook Street
Portland, Maine 04102

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Issue	Date & Issue Description	By	Check
1	07/11/08 SCHEMATIC DESIGN	[illegible]	[illegible]
2	09/22/08 DESIGN DEVELOPMENT	[illegible]	[illegible]
3	12/03/08 75% CONSTRUCTION DOCUMENTS	[illegible]	[illegible]
4	01/23/09 95% CONSTRUCTION DOCUMENTS	[illegible]	[illegible]
5	10/26/09 ISSUED FOR PERMIT	[illegible]	FEM
6	11/12/09 ADDENDUM #2	[illegible]	FEM
7	01/12/10 BULLETIN #1	[illegible]	TM
8	05/03/10 BULLETIN #10	[illegible]	TM

STATE OF MAINE PROFESSIONAL ENGINEER

Description: SITE GRADING & DRAINAGE PLAN

Scale: 1" = 40'

C02.02

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

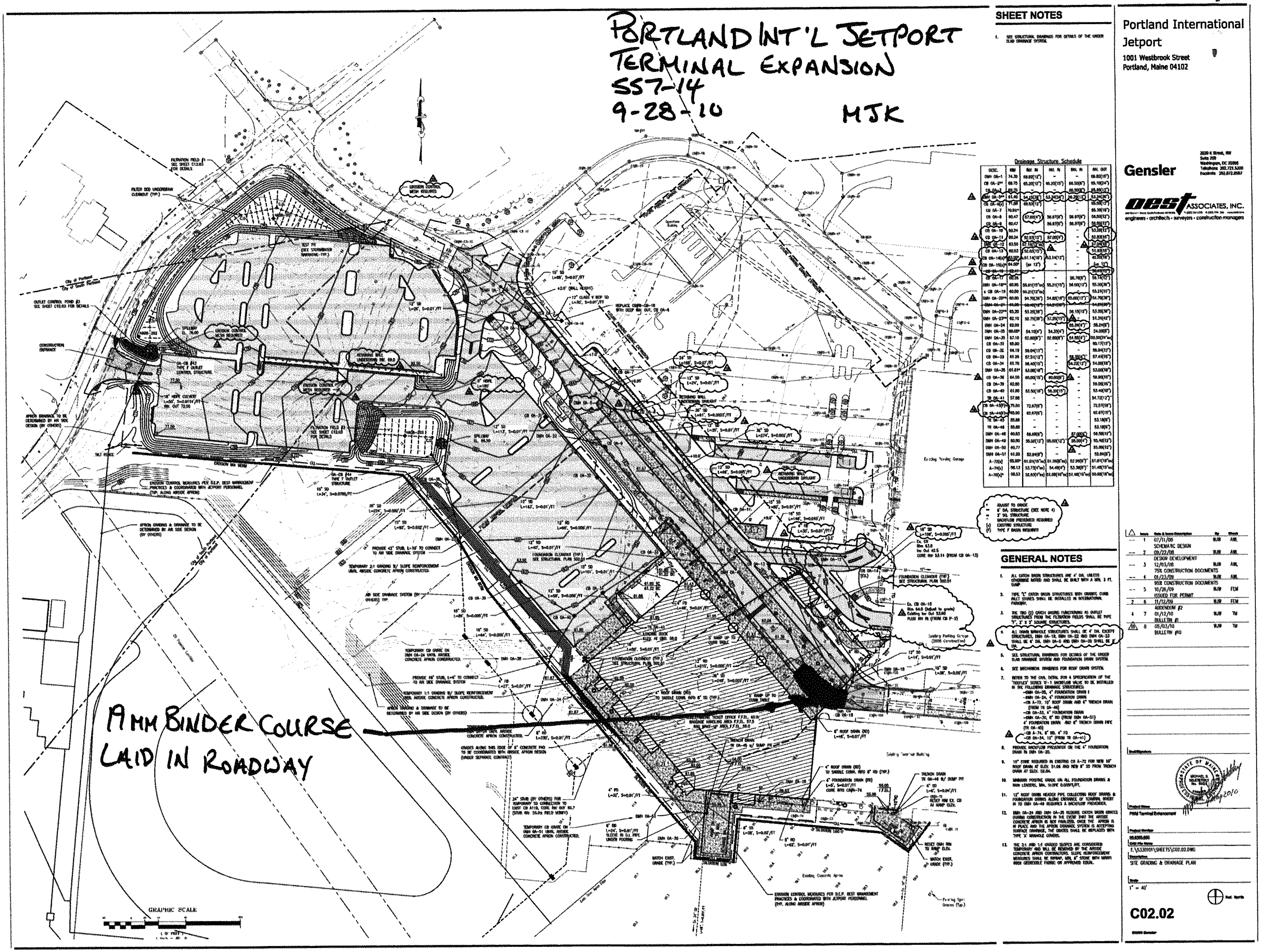
AREA 'A'
Upper lot: No work observed.

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.

MJK
Michael Kramlich
Prepared By

Matthew Grady
Reviewed By


PORTLAND INT'L JETPORT
TERMINAL EXPANSION
557-14
9-28-10 MJK
19MM BINDER COURSE LAID IN ROADWAY
SHEET NOTES
Drainage Structure Schedule
GENERAL NOTES
Portland International Jetport
1001 Westbrook Street
Portland, Maine 04102
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SITE GRADING & DRAINAGE PLAN
1" = 40'
C02.02
GRAPHIC SCALE

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

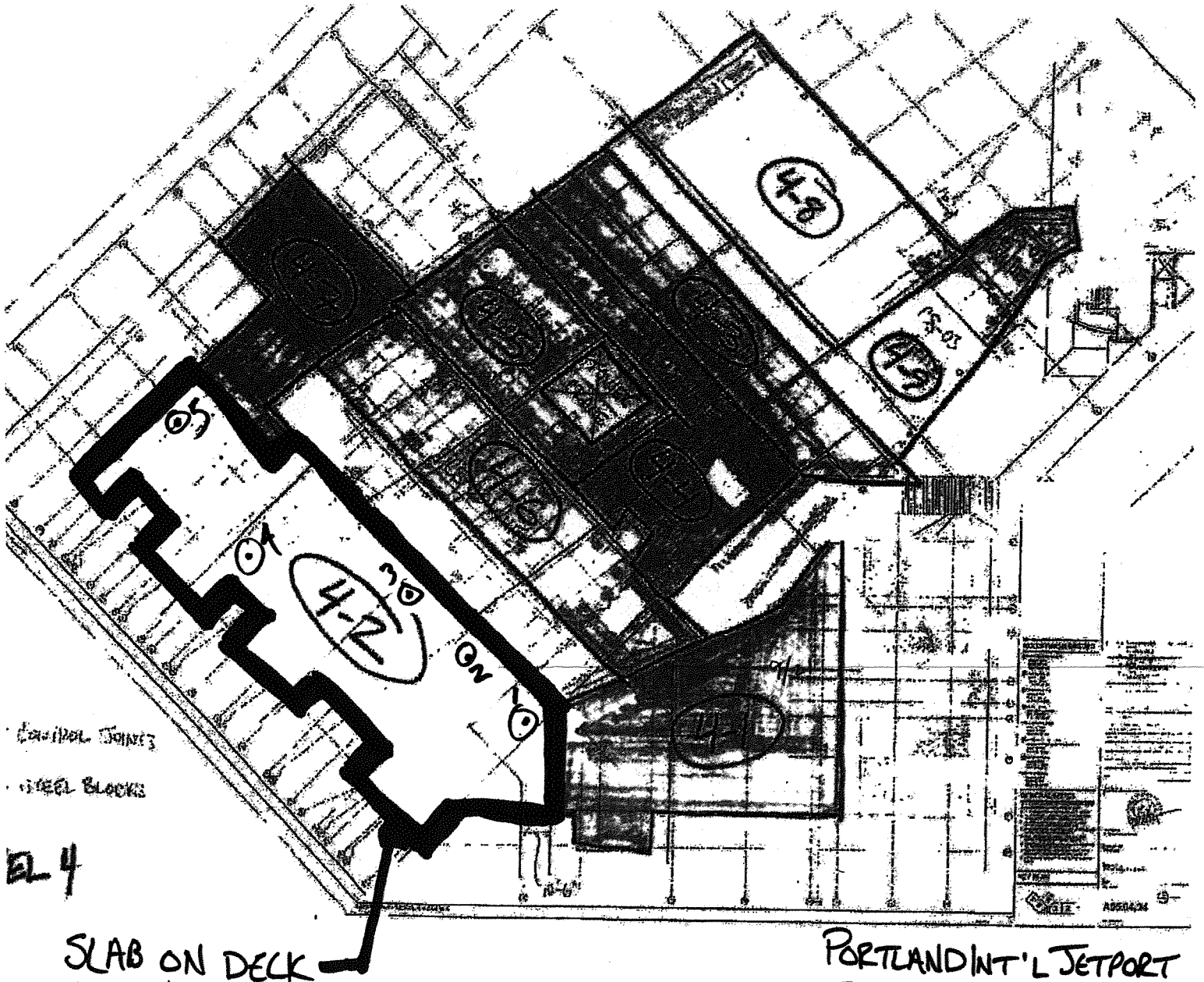
227 cy of lightweight concrete placed as roof slab on deck (slab 4-2) and an additional 40 cy normal weight concrete placed as slabs on grade in stairwells along line XM.

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.

MJK
Michael Kramlich
Prepared By

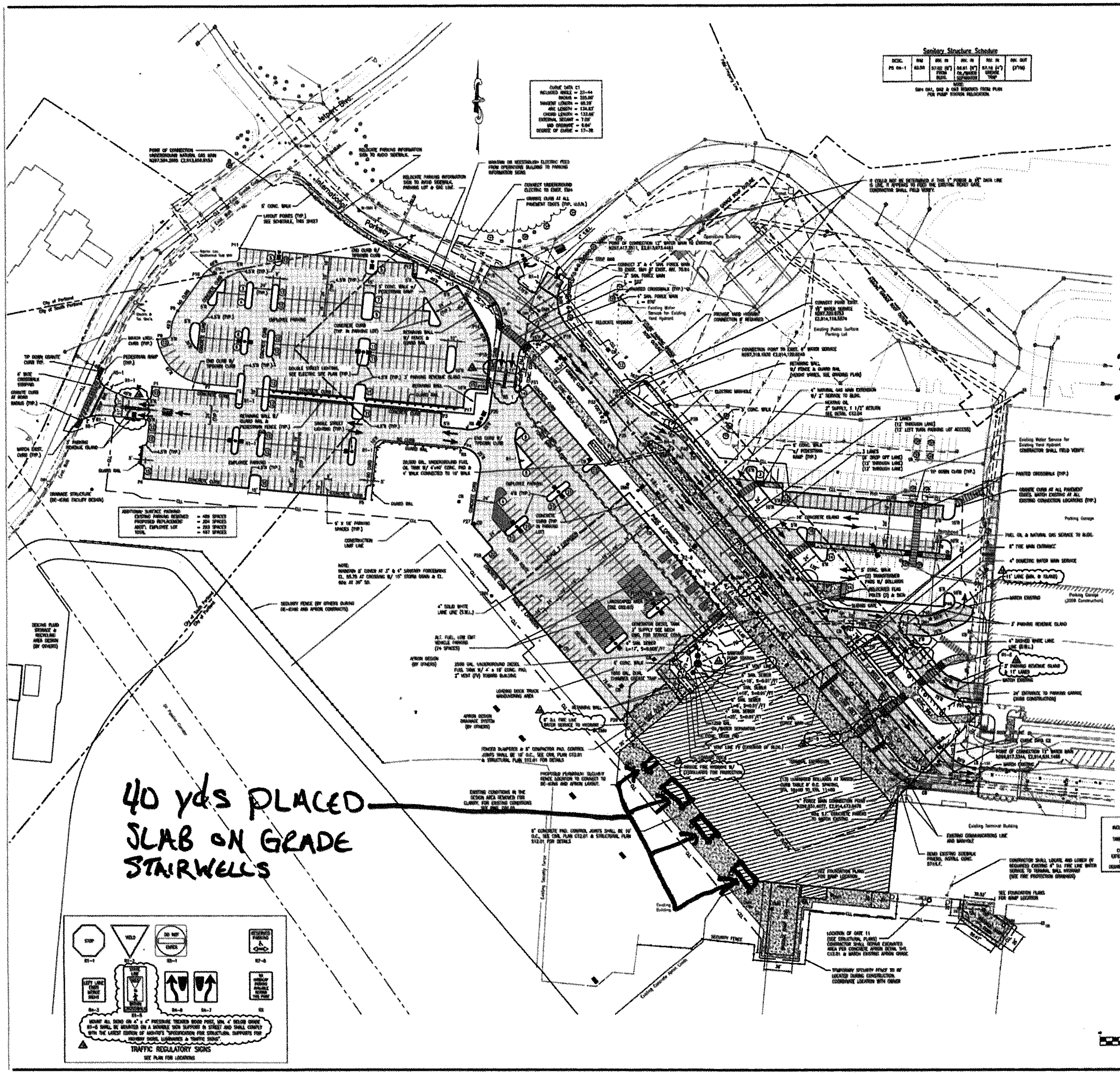
Matthew Grady
Reviewed By



SLAB ON DECK
227 yds. LIGHTWEIGHT, GRAY

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

⊙5 SAMPLE LOCATION



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

SHEET NOTES

Layout Coordinate Schedule

GENERAL NOTES

Portland International Jetport
1001 Westbrook Street
Portland, Maine 04102

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SITE LAYOUT & UTILITIES PLAN

1" = 40'

C02.01

7/7

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

Corporate Office

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

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 ENCHANGEMENT @ 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 STERNS Tolls: 2.00

Weld Process: FCAW Location: LEVEL 3, ZONE 5 & 7

Weld Designation (AWS): TC-4A-F

Weld Identification Area	Transducer Angle	Form Face	Leg	Decibels				Discontinuity					Remarks
				Indication Level A	Reference Level B	Attenuation Factor C	Indication Rating D	Length	Angular Distance (Sound Path)	Depth from "A" Surface	Distance From X	Distance From Y	
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													

G:\George\Ultra Sonic Examination Report.doc

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	Distance From Y	
				A	B	C	D						
XH-6.5	70	A			79.9								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

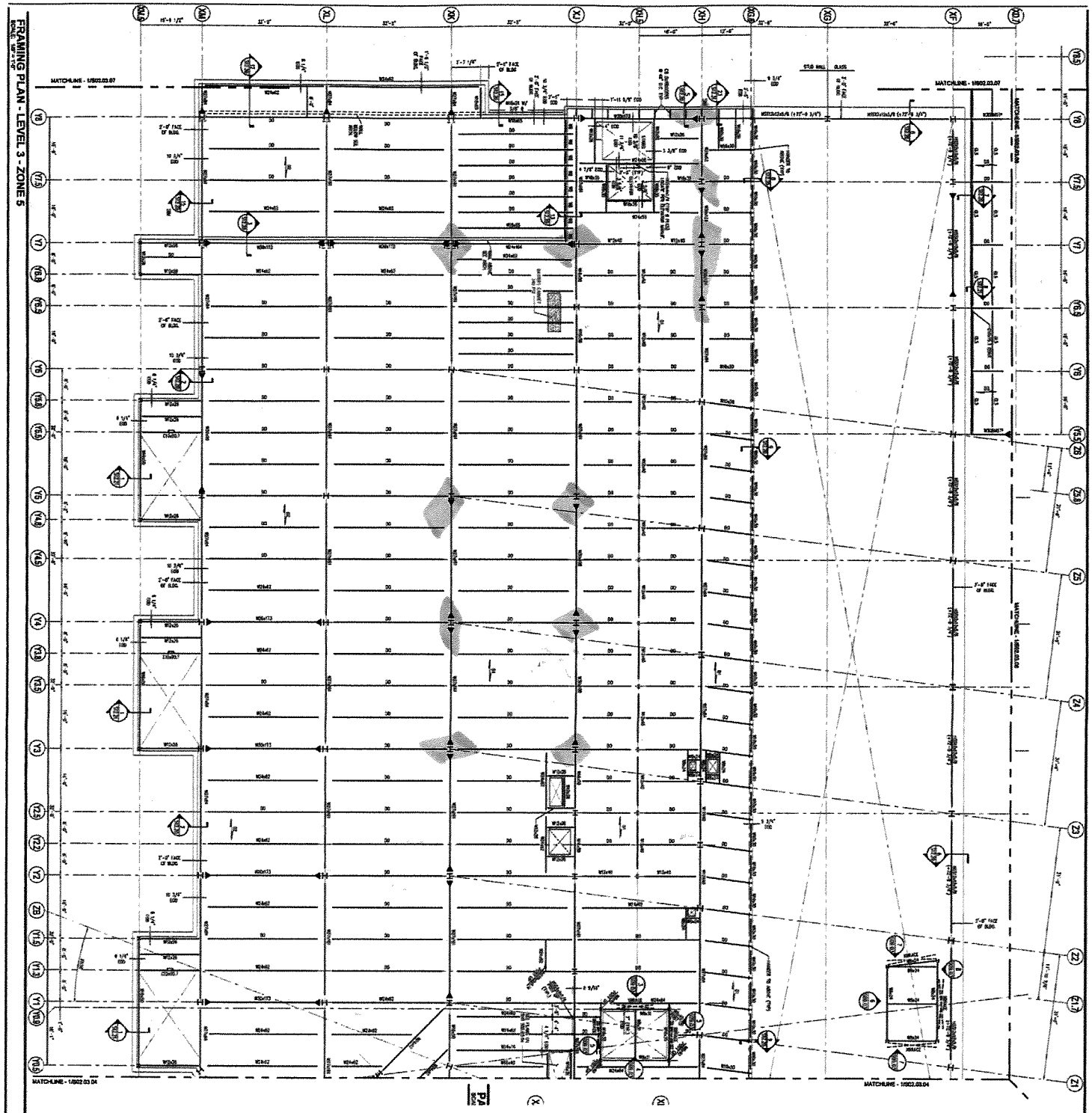
Construction Technologist/CWI:

George S Morrell

Print Name/Title

Certification #: George S Morrell
CWI 04050311
QC1 EXP. 5/1/2013

MG



Project: Terminal Enhancement – Portland International Jetport

Project No.: 557-14

Date: 9-29-10

Technologist: GSM

KEY PLAN

SHEET NOTES

Portland International Jetport

1001 Westbrook Street
Portland, Maine 04102

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WEST ASSOCIATES, INC.

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

R. W. GILLESPIE & ASSOCIATES, INC. Date: 9/30/10

Daily Observation Report

Project: PORTLAND JETPORT	Time: ____ End Time	Mileage: ____ End
Project No.: 557-14 Tolls: $2	____ Beg. Time	____ Begin
Per Diem/Lodging:	3 Total Time	29 Total

Observations:

In-Place Densities Done ____ All IPDs meet Specifications Reported to ____

Not all IPDs meet Specifications Reported to ____

Phone Calls:

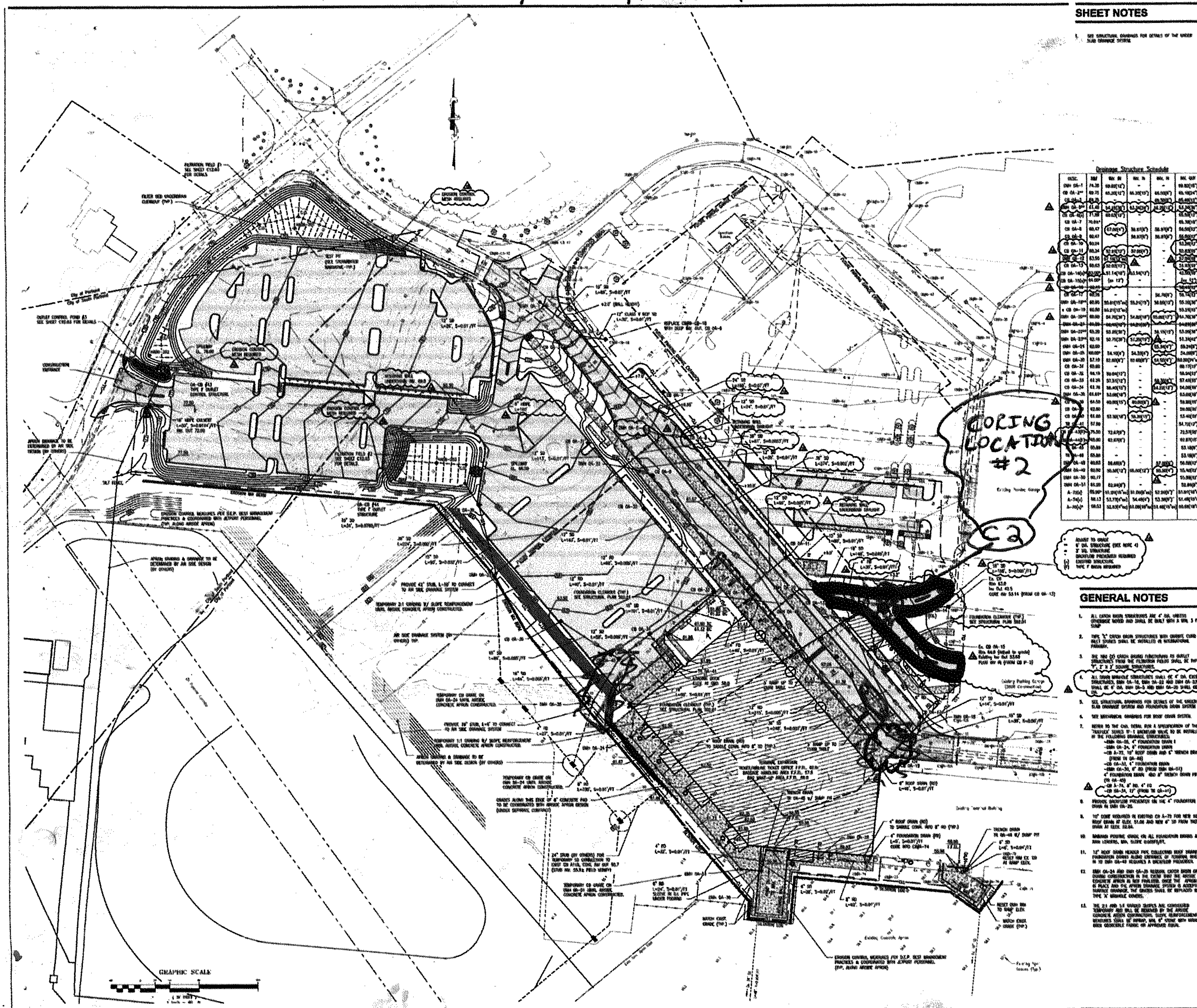
ERIC COHENOUR AND I CORED TWO 6" DIAMETER ASPHALT SAMPLES AT THE LOCATIONS MARKED ON THE ATTACHED SKETCH.

RRC

Reviewed By: MT Signed: [signature]

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

PORTLAND JETPORT
9/30/10 RODNEY COLLARD ASPHALT CORING



SHEET NOTES

Portland International Jetport

1001 Westbrook Street
Portland, Maine 04102

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SITE GRADING & DRAINAGE PLAN

1" = 40'

C02.02

R. W. GILLESPIE & ASSOCIATES, INC. Date: 9/30/10

Daily Observation Report

Project: PORTLAND JETPORT		Time: ____ End Time	Mileage: ____ End
Project No.: 557-14	Tolls: 1.00	____ Beg. Time	____ Begin
Per Diem/Lodging:		1 Total Time	70 Total

Observations:

In-Place Densities Done ____ All IPDs meet Specifications Reported to ____

Not all IPDs meet Specifications Reported to ____

Phone Calls:

- TOOK ASPHALT CORINGS WITH RRL FROM ROAD AND PARKING GARAGE ENTRANCE.

Reviewed By: MW Signed: EEC

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

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: 09/30010

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.

MTK
Michael Kramlich
Prepared By

Matthew Grady
Reviewed By

R. W. GILLESPIE & ASSOCIATES, INC. Date: October 2, 2010

Daily Observation Report

Project: Terminal Expansion at the Portland Jetport		Time: _____ End Time	Mileage: _____ End
Project No.: 557-14	Tolls: 0.60	_____ Beg. Time	_____ Begin
Per Diem/Lodging:		8 Total Time	30 Total

Observations:

In-Place Densities Done _____ All IPDs meet Specifications Reported to _____

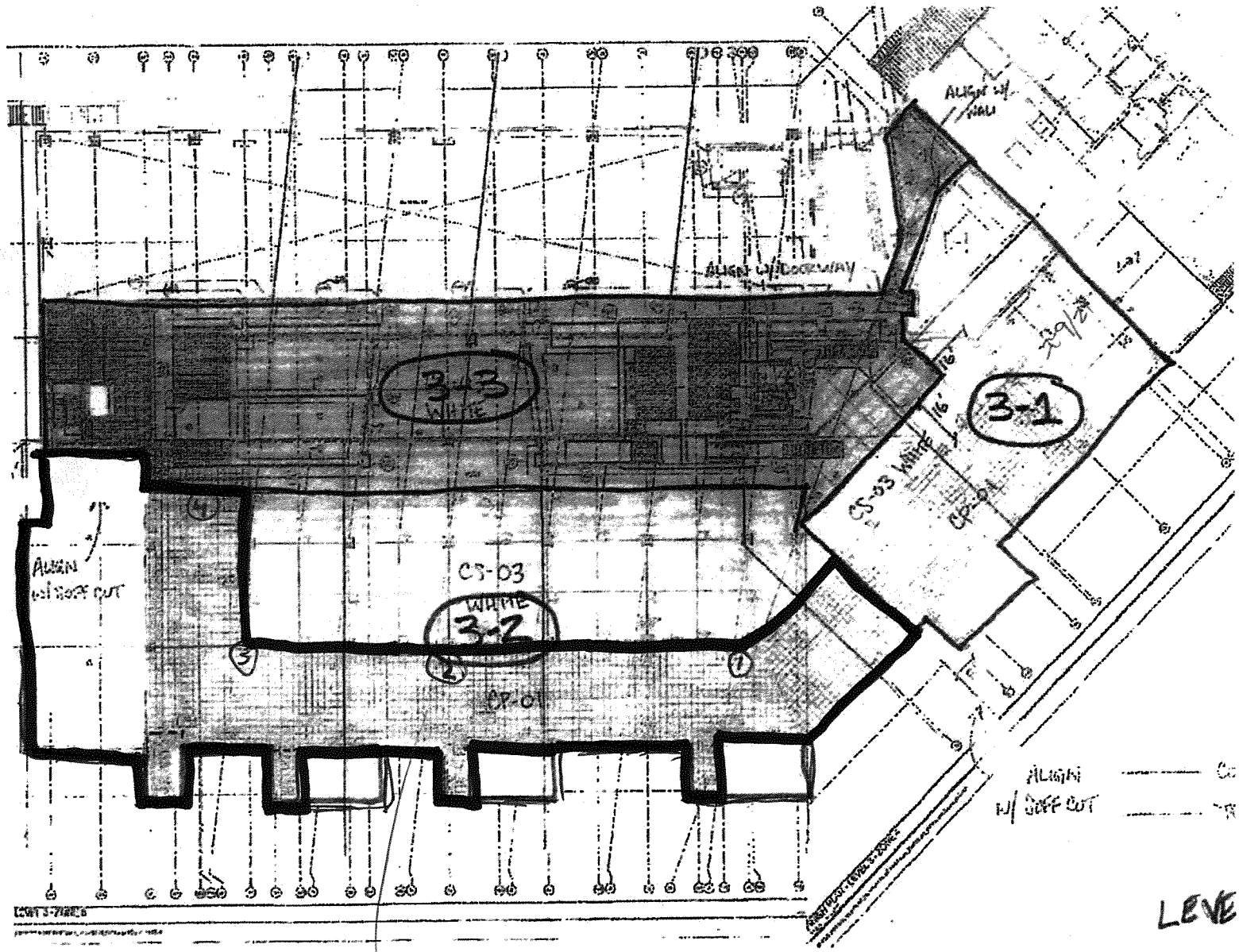
Not all IPDs meet Specifications Reported to _____

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" - 9½" 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 9½". 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: MTC Signed: [signature] MES-RWGGA

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



CONCRETE PLACEMENT
- SLAB ON DECK

TERMINAL ENHANCEMENT AT
THE PORTLAND JETPORT
#557 ~ 14
MCS
OCTOBER 2, 2010