

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:	09 Nov 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:

October 25, 26, 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 - BITUMINOUS PAVING
 TERMINAL ENHANCEMENT AT THE PORTLAND INTERNATIONAL JETPORT
 PORTLAND, MAINE
 RWG&A PROJECT NO. 557-14

Client: City of Portland
 Test Date: October 25, 2010
 Technician: MJK
 Gauge Model/Serial Number: PQ1

Report Issue Date:

Test No.	Location	Elevation	Bulk Density	Percent Compaction (%)
1	Upper Lot (See Sketch)	FGBi	146.7	94
2	Upper Lot (See Sketch)	FGBi	146.1	93
3	Upper Lot (See Sketch)	FGBi	147.5	94
4	Upper Lot (See Sketch)	FGBi	145.2	93
5	Upper Lot (See Sketch)	FGBi	144.3	92
6	Upper Lot (See Sketch)	FGBi	147.8	94
7	Upper Lot (See Sketch)	FGBi	146.4	93
8	Upper Lot (See Sketch)	FGBi	146.7	94
9	Upper Lot (See Sketch)	FGBi	145.9	93
10	Upper Lot (See Sketch)	FGBi	146.0	93
11	Upper Lot (See Sketch)	FGBi	145.8	93
12	Upper Lot (See Sketch)	FGBi	146.5	94
13	Upper Lot (See Sketch)	FGBi	147.1	94
14	Upper Lot (See Sketch)	FGBi	146.9	94
15	Upper Lot (See Sketch)	FGBi	146.6	94
16	Upper Lot (See Sketch)	FGBi	146.3	93
17	Upper Lot (See Sketch)	FGBi	146.0	93
18	Upper Lot (See Sketch)	FGBi	145.7	93

Remarks: TMD value for 19 mm = 156.7 pcf

FG = Finish Grade
 FGB = Finish Grade of Base
 FGSB = Finish Grade of Subbase

FGSG = Finish Grade of Subgrade
 FGBi = Finish Grade of Binder

Arthur J. DeJ...

Checked By:

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

Client: City of Portland

Test Date: October 25, 2010

Technician: MJK

Gauge Model/Serial Number: PQI

Report Issue Date:

Test No.	Location	Elevation	Bulk Density	Percent Compaction (%)
1	Lower Lot (See Sketch)	FGBi	145.3	93
2	Lower Lot (See Sketch)	FGBi	146.3	93
3	Lower Lot (See Sketch)	FGBi	145.8	93
4	Lower Lot (See Sketch)	FGBi	146.3	93
5	Lower Lot (See Sketch)	FGBi	147.8	94
6	Lower Lot (See Sketch)	FGBi	147.7	94
7	Lower Lot (See Sketch)	FGBi	147.8	94
8	Lower Lot (See Sketch)	FGBi	147.6	94

Remarks: TMD value for 19 mm =

FG = Finish Grade

FGB = Finish Grade of Base

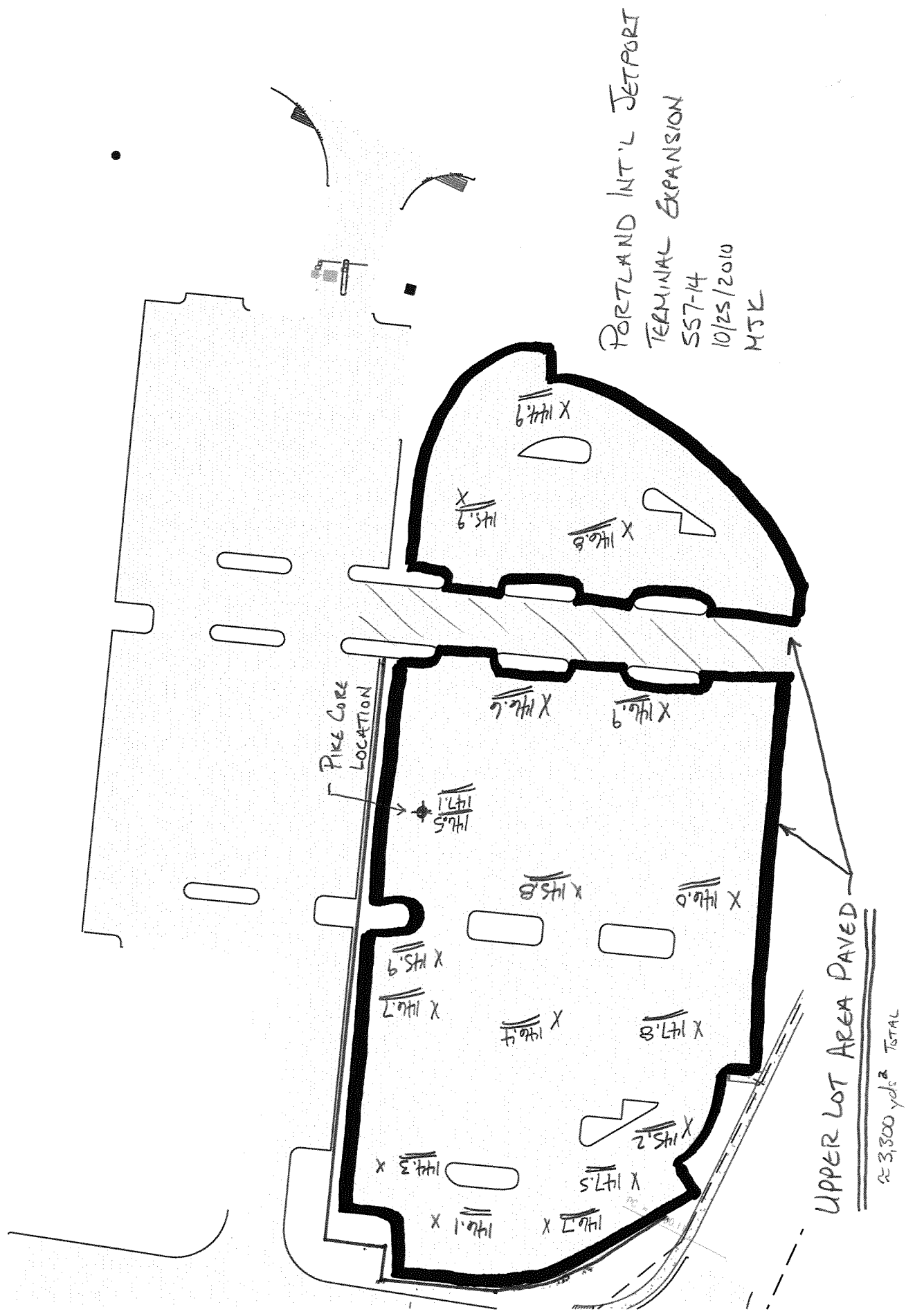
FGBS = Finish Grade of Subbase

FGSG = Finish Grade of Subgrade

FGBi = Finish Grade of Binder

Checked By: 

ASPHALT



PORTLAND INT'L JETPORT
 TERMINAL EXPANSION
 557-14
 10/25/2010
 MSK

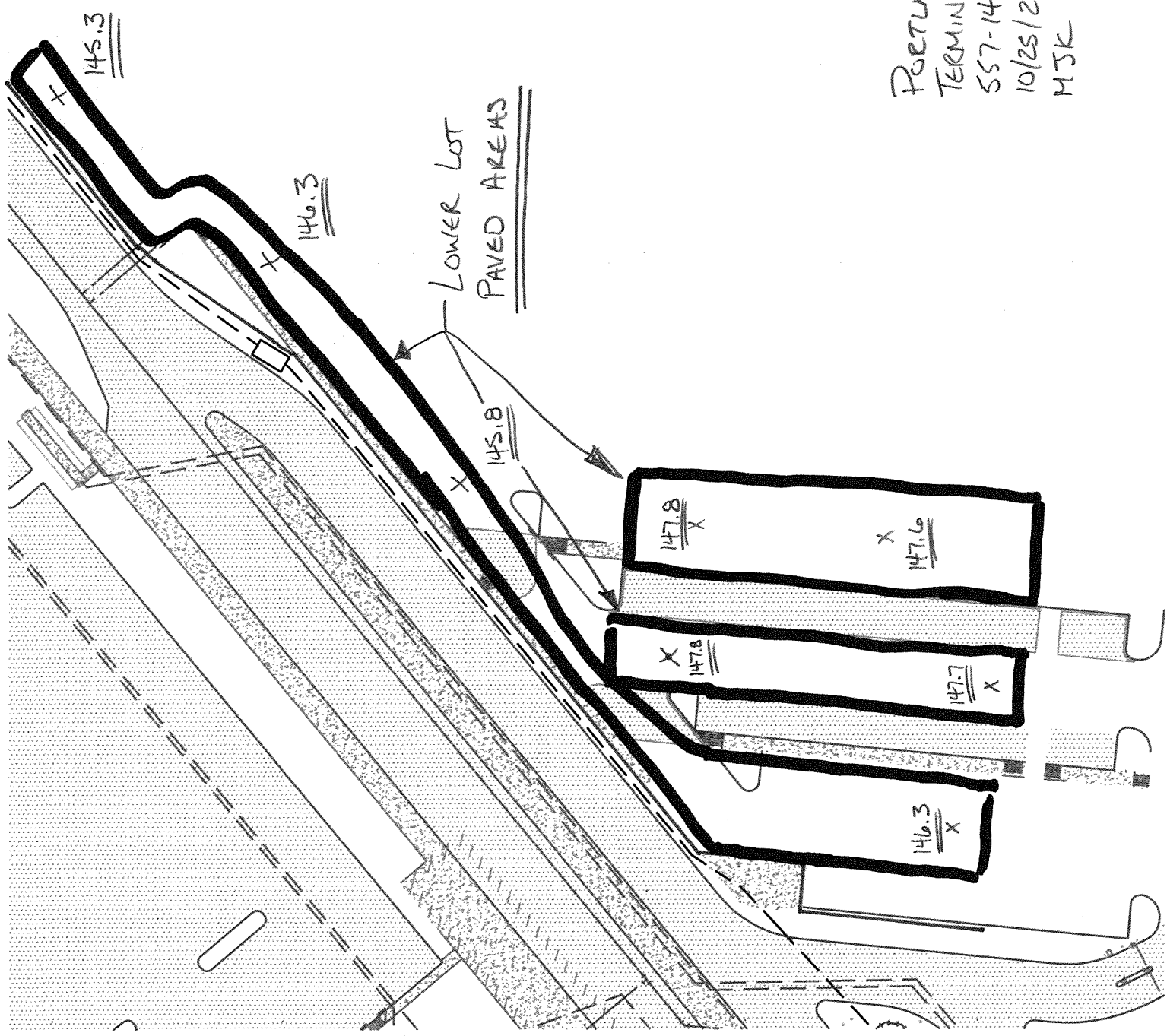
PIKE CORE
LOCATION

UPPER LOT AREA PAVED

2-3,300 yds² TOTAL

PORTLAND INT'L JETPORT
TERMINAL EXPANSION
557-14
10/25/2010
MJK

ASPHALT



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
11152	Type A Gravel	131.8	8.0

Client: City of Portland
 Test Date: 10/26/2010
 Technician: MJK
 Gauge Model/Serial Number: L 500

Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	PARADE LOT Entry - East Side	FG	125.6	7	95	11152
2	Entry - Middle	FG	125.0	8	95	11152
3	Entry - West Side	FG	125.6	7	95	11152

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: Arthur J. Goff

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

Client: City of Portland
 Test Date: October 26, 2010
 Technician: MJK
 Gauge Model/Serial Number: PQI

Report Issue Date:

Test No.	Location	Elevation	Bulk Density	Percent Compaction (%)
1	Lower Lot (See Sketch)	FGBi	146.8	94
2	Lower Lot (See Sketch)	FGBi	144.6	92
3	Lower Lot (See Sketch)	FGBi	145.4	93
4	Entry (See Sketch)	FGBi	146.4	93

Remarks: TMD value for 19 mm = 156.7 pcf

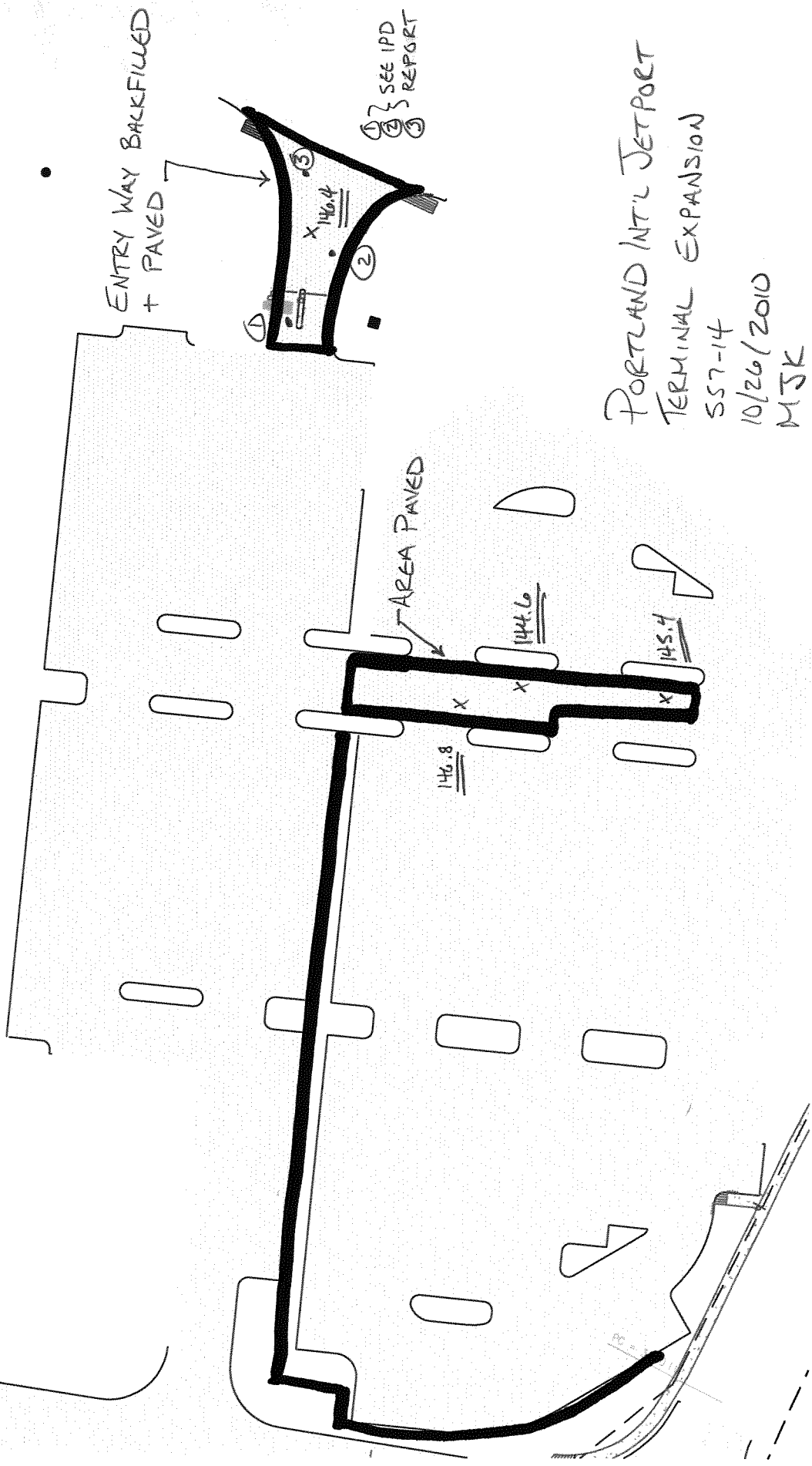
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 FGSB = Finish Grade of Subbase

FGSG = Finish Grade of Subgrade
 FGBi = Finish Grade of Binder

Checked By: *Matthew J. DeJ*

ASPHALT + IPDs

UPPER LOT
~ 200 yds²



PORTLAND INT'L AIRPORT
 TERMINAL EXPANSION
 557-14
 10/26/2010
 MSK