

R. W. Gillespie & Associates, Inc.

86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 International Drive, Suite 170, Portsmouth, NH 03801 603-427-0244

LETTER OF TRANSMITTAL

Date:	14 Dec. 2010	Project No.:	557-14
Attention:	Mr. Cuyler Feagles (cmf@portlandmaine.gov)		
Re:	Concrete 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 concrete cylinder test results.

Cylinder No. (s)	Age (Days)
67800	28
67801	28
67804	28
67805	28
67808	28
67809	28
67812	28
67813	28

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
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Remi Delcourt (remi@auburnconcrete.com)
Jeff Evans, Amec (jeff.evans@amec.com)

Signed: Bertha Dawn

If enclosures are not as noted, kindly notify us at once.

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CONCRETE TEST/PLACEMENT REPORT

Project Name:	Terminal Enhancement, Portland Int. Jetport	Date Cylinders Cast:	16-Nov-10
Project No:	557-14	Concrete Supplier:	Auburn
Weather Conditions:	Overcast	General Contractor:	Turner
Method of Placement:	Pump	Design Strength:	3,000
Admixtures:	Mid Range Water Reducer, 1% Pozzutec 20+	Max Agg. Size:	3/8
Placement Location:	Slab On Grade Level 2 - Section 2-3a		
Test Cylinder Location:	See Sketch		

Date Report Issued: **DEC 14 2010**

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time
Load No.	2	Slump (in) ASTM C 143	5.5	Batched @
Ticket No.	179378	Air (°F)	47	Arrived @
Truck No.	98	Concrete (°F) ASTM C 1064	69	Total Time
Cubic Yds.	10	Air Content (%) ASTM C 231	3.2	30

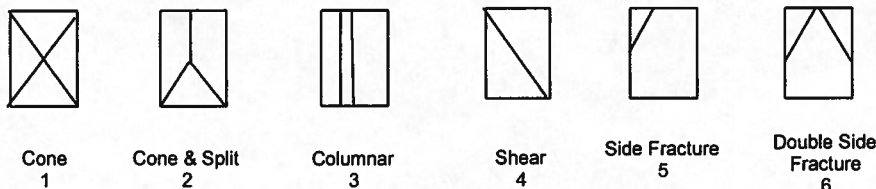
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 17-Nov-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67799	23-Nov-10	4.015	12.66	7	64,360	5080	2
67800	14-Dec-10	4.017	12.67	28	68,940	5440	2
67801	14-Dec-10	4.017	12.67	28	72,420	5720	2
67802	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
1	179376	97	10	--	--	--	--	45
3	--	--	--	--	--	--	--	--
4	179380	84	10	--	--	--	--	55
5	179381	99	10	--	--	--	--	45

Remarks: Total Loads: 14

Checked by: *Matthew T. Grady*
 For Matthew T. Grady, Manager of MTS

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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Overcast
Method of Placement: Pump
Admixtures: Mid Range Water Reducer, 1% Pozzutec 20+
Placement Location: Slab On Grade Level 2 - Section 2-3a
Test Cylinder Location: See Sketch

Date Cylinders Cast: 16-Nov-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,000
Max Agg. Size: 3/8

Date Report Issued: **DEC 14 2010**

4x8 Cylinders	4	Cast by	Michael J. Kramlich	
Load No.	6	Slump (in) ASTM C 143	3	Time Batched @ 7:54 Arrived @ 8:20 Total Time 40
Ticket No.	179382	Air (°F)	48	
Truck No.	83	Concrete (°F) ASTM C 1064	67	
Cubic Yds.	10	Air Content (%) ASTM C 231	3.7	

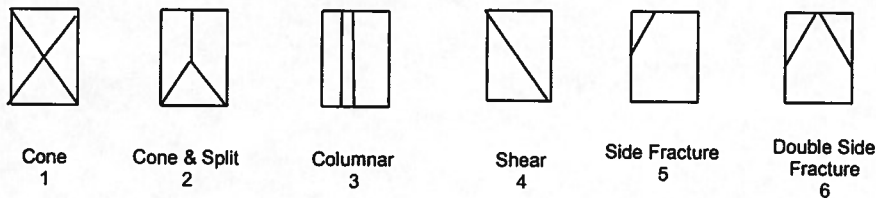
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 17-Nov-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67803	23-Nov-10	4.015	12.66	7	65,580	5180	5
67804	14-Dec-10	4.017	12.67	28	67,820	5350	5
67805	14-Dec-10	4.017	12.67	28	69,160	5460	5
67806	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
7	179383	97	10	--	--	--	--	45
8	179384	98	10	--	--	--	--	45
9	179385	96	10	--	--	--	--	40
10	179386	84	10	--	--	--	--	40

Remarks: Total Loads: 14

Checked by: *Matthew T. Grady*
 Matthew T. Grady, Manager of MTS

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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Overcast
Method of Placement: Pump
Admixtures: Mid Range Water Reducer, 1% Pozzutec 20+
Placement Location: Slab On Grade Level 2 - Section 2-3a
Test Cylinder Location: See Sketch

Date Cylinders Cast: 16-Nov-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,000
Max Agg. Size: 3/8

Date Report Issued: DEC 14 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time
Load No.	11	Slump (in) ASTM C 143	3.25	
Ticket No.	179387	Air (*F)	48	
Truck No.	83	Concrete (*F) ASTM C 1064	67	
Cubic Yds.	10	Air Content (%) ASTM C 231	3.4	
				Arrived @ 9:25
				Total Time 45

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 17-Nov-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67807	23-Nov-10	4.015	12.66	7	62,400	4930	2
67808	14-Dec-10	4.017	12.67	28	72,080	5690	2
67809	14-Dec-10	4.017	12.67	28	72,220	5700	2
67810	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



Cone & Split
2



Columnar
3



Shear
4



Side Fracture
5



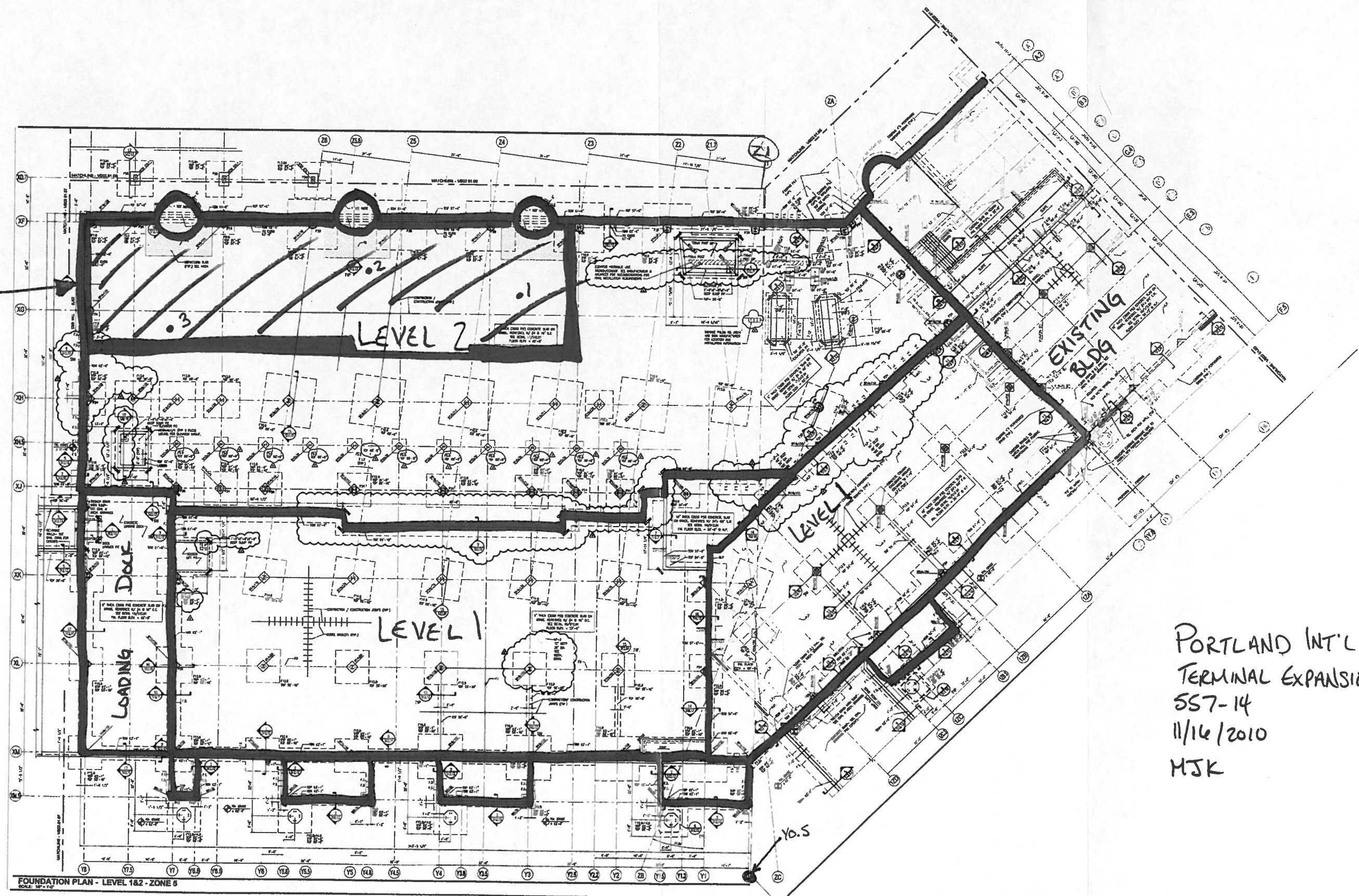
Double Side Fracture
6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (*F)	Conc Temp (*F)	(%) Air Content	Time (min.)
12	179390	107	10	--	--	--	--	50
13	179391	96	10	--	--	--	--	50
14	--	--	3	--	--	--	--	--

Remarks: Total Loads: 14

Checked by: Matthew T. Grady
 KOTZ Matthew T. Grady, Manager of MTS

PLACEMENT
LOCATION
130+ yds



PORTLAND INT'L JETPORT
TERMINAL EXPANSION
SS7-14
11/16/2010
MSK

FOUNDATION PLAN - LEVEL 1&2 - ZONE 5
SCALE: 1/4" = 1'-0"

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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Overcast
Method of Placement: Pump
Admixtures: Mid Range Water Reducer, 1% Pozzutec 20+
Placement Location: Slab On Deck - Section 5-2 connector
Test Cylinder Location: See Sketch

Date Cylinders Cast: 16-Nov-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,500
Max Agg. Size: 3/8

Date Report Issued: DEC 1 4 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	1	Slump (in) ASTM C 143	5	Batched @	12:10
Ticket No.	179402	Air (°F)	48	Arrived @	12:35
Truck No.	97	Concrete (°F) ASTM C 1064	75	Total Time	40
Cubic Yds.	10	Air Content (%) ASTM C 231	3.5		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 17-Nov-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67811	23-Nov-10	4.015	12.66	7	50,020	3950	5
67812	14-Dec-10	4.017	12.67	28	64,240	5070	5
67813	14-Dec-10	4.017	12.67	28	63,340	5000	5
67814	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



Cone & Split
2



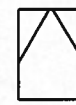
Columnar
3



Shear
4



Side Fracture
5

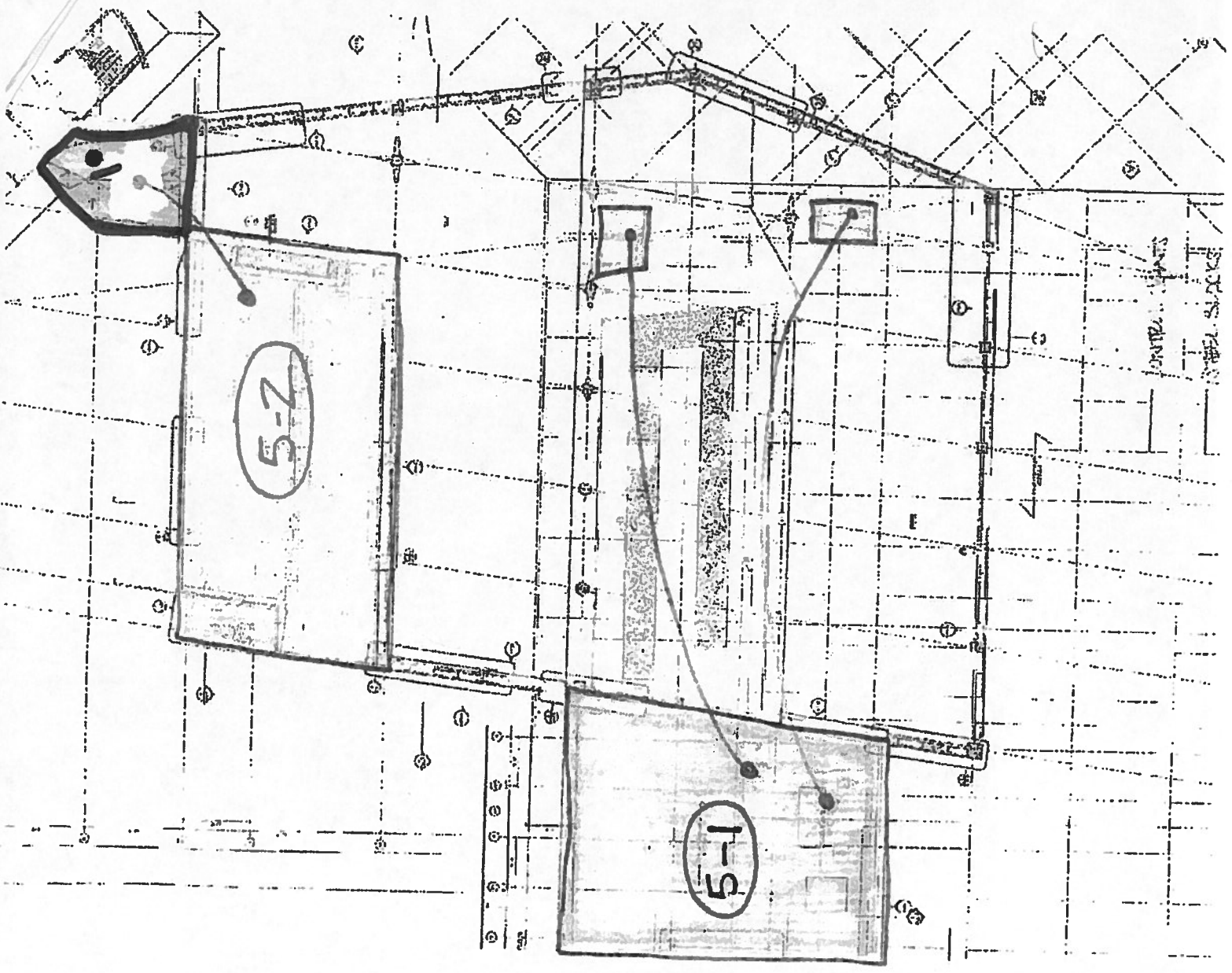


Double Side
Fracture
6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
2	179404	83	10	--	--	--	--	45

Remarks: Light weight
 Unit Weight: 122.8 PCF

Checked by: Matthew T. Grady
 KOR Matthew T. Grady, Manager of MTS



Level 5

PORTLAND INT'L JETPORT
 TERMINAL EXPANSION 557-14
 11/16/2010
 MJK