

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

City of Portland, Portland Int. Jetport
1001 Westbrook Street
Portland, Maine 04102

Date:	December 21, 2010	Project No.:	557-14
Attention:	Mr. Cuyler Feagles (cmf@portlandmaine.gov)		
Re:	Concrete Testing Terminal Enhancement, Portland Int. Jetport Portland, Maine		

We are sending you attached concrete cylinder test results.

Cylinder No. (s)	Age (Days)
67863	28
67864	28
67867	28
67868	28
67871	28
67872	28
67875	28
67876	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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ldobson@portlandmaine.gov
rdixon@tcco.com
gemitchell@tcco.com
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:	24-Nov-10
Project No:	557-14	Concrete Supplier:	Auburn
Weather Conditions:	Clear	General Contractor:	Turner
Method of Placement:	Pump	Design Strength:	3,500
Admixtures:	Mid Range Water Reducer, Pozzutec +20	Max Agg. Size:	3/8
Placement Location:	Equipment Pads, Fourth Floor Connector		
Test Cylinder Location:	See Attached Sketch		

Date Report Issued: **DEC 22 2010**

4x8 Cylinders	4	Cast by	Erik E. Cohenour			
Load No.	2	Slump (in) ASTM C 143	6.0	Time	Batched @	12:14
Ticket No.	179551	Air (°F)	38		Arrived @	--
Truck No.	116	Concrete (°F) ASTM C 1064	68		Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	3.5			

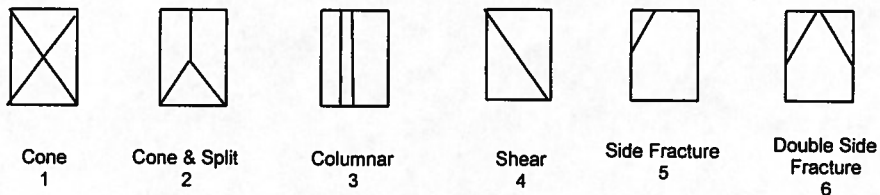
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 5
 Date received 29-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
67862	01-Dec-10	4.004	12.59	7	52,380	4160	5
67863	22-Dec-10	4.009	12.62	28	74,660	5920	5
67864	22-Dec-10	4.009	12.62	28	72,100	5710	2
67865	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	179550	101	--	--	--	--	--	--

Remarks:

Checked by: 
 Matthew T. Grady, Manager of MTS

557-14

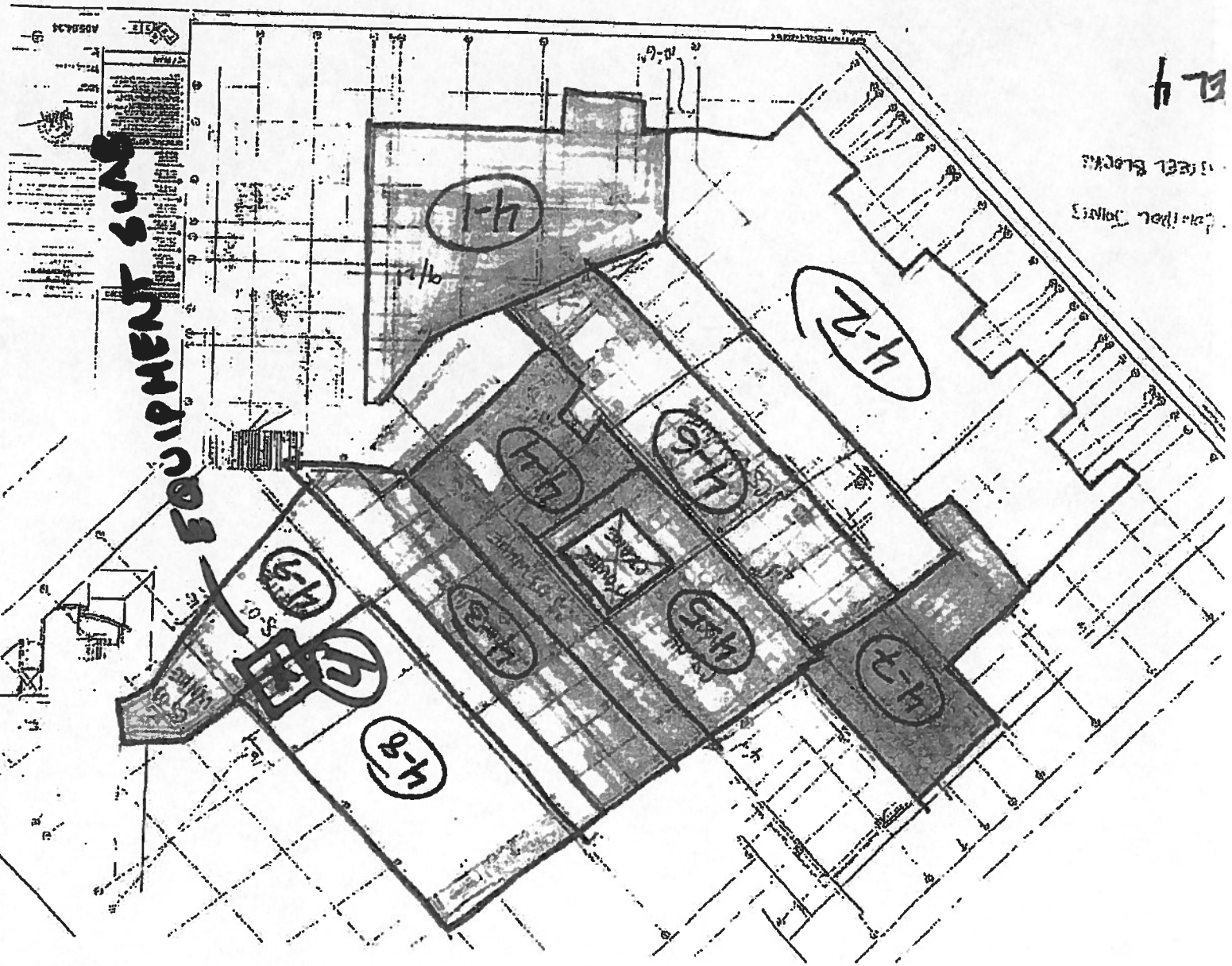
PORTLAND SETPOINT

EEC

11/24/11

24

Steel Blocks
Steel Joists



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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Clear
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: Slab On Grade, Road Entrances
Test Cylinder Location: North Entrance

Date Cylinders Cast: 24-Nov-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,500
Max Agg. Size: 3/4

Date Report Issued: DEC 22 2010

4x8 Cylinders	4	Cast by	Erik E. Cohenour	Time	
Load No.	2	Slump (in) ASTM C 143	6.0	Batched @	--
Ticket No.	179313	Air (°F)	38	Arrived @	--
Truck No.	85	Concrete (°F) ASTM C 1064	66	Total Time	--
Cubic Yds.	9	Air Content (%) ASTM C 231	3.8		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 5
Date received 29-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
67866	01-Dec-10	4.004	12.59	7	37,680	2990	5
67867	22-Dec-10	4.009	12.62	28	77,900	6170	3
67868	22-Dec-10	4.009	12.62	28	76,300	6050	2
67869	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



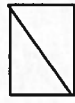
Cone
1



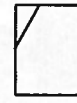
Cone & Split
2



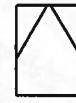
Columnar
3



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.)
1	176312	116	10	--	--	--	--	--

Remarks:

Checked by:
 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: Clear
Method of Placement: Pump
Admixtures: Mid Range Water Reducer, Pozzutec +20
Placement Location: Slab On Grade
Test Cylinder Location: See Attached Sketch

Date Cylinders Cast: 24-Nov-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,500
Max Agg. Size: 3/8

Date Report Issued: DEC 22 2010

4x8 Cylinders	4	Cast by	Erik E. Cohenour			
Load No.	2	Slump (in) ASTM C 143	6.25	Time	Batched @	--
Ticket No.	179535	Air (°F)	38		Arrived @	--
Truck No.	101	Concrete (°F) ASTM C 1064	67		Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	3.7			

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 5
 Date received 29-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
67870	01-Dec-10	4.004	12.59	7	46,420	3690	5
67871	22-Dec-10	4.009	12.62	28	66,880	5300	2
67872	22-Dec-10	4.009	12.62	28	65,860	5220	2
67873	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.)
1	179531	86	10	--	--	--	--	--
3	179536	98	10	--	--	--	--	--
4	179537	84	10	--	--	--	--	--
5	179538	86	10	--	--	--	--	--
6	179539	101	10	--	--	--	--	--

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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Clear
Method of Placement: Pump
Admixtures: Mid Range Water Reducer, Pozzutec +20
Placement Location: Slab On Grade
Test Cylinder Location: See Attached Sketch

Date Cylinders Cast: 24-Nov-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,500
Max Agg. Size: 3/8

Date Report issued: DEC 22 2010

4x8 Cylinders	4	Cast by	Erik E. Cohenour	Time	
Load No.	8	Slump (in) ASTM C 143	5.0	Batched @	--
Ticket No.	179541	Air (°F)	38	Arrived @	--
Truck No.	84	Concrete (°F) ASTM C 1064	68	Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	4.1		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 5
Date received 29-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
67874	01-Dec-10	4.004	12.59	7	49,560	3940	5
67875	22-Dec-10	4.009	12.62	28	65,140	5160	5
67876	22-Dec-10	4.009	12.62	28	66,900	5300	2
67877	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



Cone & Split
2



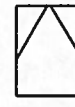
Columnar
3



Shear
4



Side Fracture
5



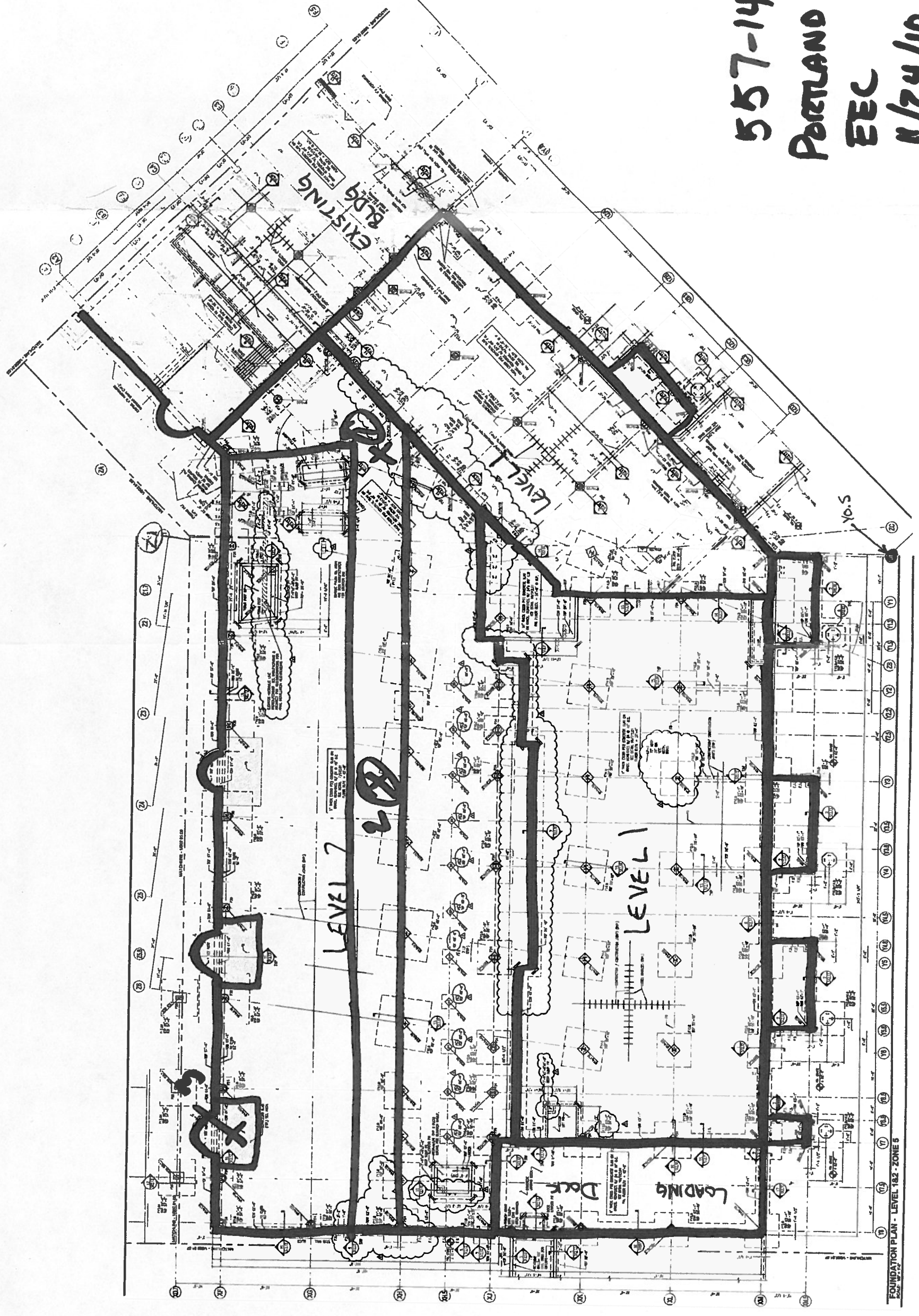
Double Side Fracture
6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
7	179540	98	10	--	--	--	--	--
9	179543	86	10	--	--	--	--	--
10	179545	101	10	--	--	--	--	--
11	179547	84	3	--	--	--	--	--

Remarks:

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

557-14
PORTLAND SEAPORT
EEC
11/24/10



FOUNDATION PLAN - LEVEL 182 - ZONE 5