

22 Oakmont Drive  
Old Orchard Beach, ME 04064-4121  
Phone: (207) 934-8038  
Fax: (207) 934-8039

### FIELD NOTES

JOB NAME: Chestnut Lofts  
JOB NO.: 05021  
DATE OF VISIT: August 21, 2006  
CLIENT: TFH Architects  
OBSERVERS: David Tetreault, SDC

Columns and beams have been erected up to the fourth floor. TC bolts are installed, but nut fully tightened pending frame plumbing.

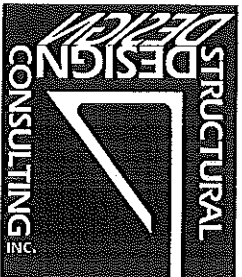
Braces are temporarily bolted in place. Welding of braces to be done after frame is plumbed. Note that the upper brace connections must not be welded until the concrete is placed on the floor above.

Metal decking is stockpiled on floor beams at each level.

Base plates have been grouted. There are gaps up to 1/4" between the base plate and leveling plate at columns B-6 and E-2.6. These two locations must have the grout chipped out; the leveling plates brought tight to the underside of the base plate and be regROUTED.

Columns are welded to base plates with fillet welds located at the outside of one column flange and the inside of the opposite column flange. Subsequent review of this condition found the welding to be acceptable.

SIGNATURE: *David Tetreault*



22 Oakmont Drive  
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Fax: (207) 934-8039

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*FIELD NOTES*

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JOB NAME: Chestnut Lofts  
JOB NO.: 05021  
DATE OF VISIT: November 29, 2006  
CLIENT: TFH Architects  
OBSERVERS: David Tetreault, SDC

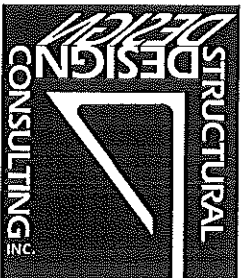
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Base plates at columns B-6 and E-2.6 have been regROUTED (see field notes dated 8/21/06 .

Erection of structural steel is substantially complete.

Framing connections have been observed and found to be in conformance with the contract Documents.

SIGNATURE: *David Tetreault*



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**FIELD NOTES**

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JOB NAME: Chestnut Lofts  
JOB NO.: 05021  
DATE OF VISIT: February 26, 2007  
CLIENT: TPH Architects  
OBSERVERS: David Tetreault, SDC

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Inspection of TC bolts:

All bolted connections have been completed with all TC bolts fully tightened. No discrepancy from Contract Documents noted

SIGNATURE: *David Tetreault*

## INSPECTION REPORT

CUSTOMER: S.W. COLE ENG. PAGE 1 OF 1

ADDRESS: 286 PORTLAND RD. GRAY, ME, 04039

ATTENTION: ROGER

COPIES:

PROJECT: CHESTER STREET LOFT BUILDING

OWNER:

CONTRACTOR: ALLIED COOK

JOB No.: 050623      REPORT No.: QAL-06-1151      P. O. NUMBER:      DATES INSPECTED: 09/14/2006

REMARKS

VISUAL STRUCTURAL STEEL INSPECTION IN ACCORDANCE WITH THE FOLLOWING:  
 CHESTER STREET LOFT BUILDING PROJECT

- A) 1ST FLOOR STUDS AND DECK PUDDLE WELDS. ACCEPTABLE
- B) 2ND FLOOR STUDS AND DECK PUDDLE WELDS. ACCEPTABLE

/// LAST ITEM///

FAA REPAIR STATION NUMBER RX5R187N  
 METHOD(S), PROCESS(ES), PROCEDURE(S) MERCURY FREE

ADDITIONAL INFORMATION - SEE ATTACHED:     SKETCHES     SUPPLEMENTARY SHEETS     NDI REPORTS     VIDEO

SIGNATURES

INSPECTOR	G. Parehmanian #2447369		CERTIFICATION	M	DATE
SUPERVISOR			CWI	09	14   06

## INSPECTION REPORT

CUSTOMER: S.W. COLE ENG PAGE 1 OF 1

ADDRESS: 286 PORTLAND RD. GRAY, ME. 04039

ATTENTION: ROGER

COPIES:

PROJECT: CHESTER STREET LOFT BUILDING

OWNER:

CONTRACTOR: ALLIED COOK

JOB No.: 050623 REPORT No.: QAL-06-1218 P.O. NUMBER: DATES INSPECTED: 09/20/2006

**REMARKS**

VISUAL STRUCTURAL STEEL INSPECTION - GRID LINES 1-4, A3-D.2

CHESTER STREET LOFT BUILDING PROJECT

- A) 3RD FLOOR STUDS AND DECK PUDDLE WELDS. ACCEPTABLE
- B) 4TH FLOOR STUDS AND DECK PUDDLE WELDS. ACCEPTABLE

WELDING IAW AWS D1.3 AND APPLICABLE DWGS.

/// LAST ITEM ///

**FAA REPAIR STATION NUMBER RX5R187N**  
 METHOD(S), PROCESS(ES), PROCEDURE(S) MERCURY FREE

ADDITIONAL INFORMATION - SEE ATTACHED:  SKETCHES  SUPPLEMENTARY SHEETS(S)  NDI REPORTS  VIDEO

**SIGNATURES**

INSPECTOR ARTHUR GAILLANT CWI 90100091  CERTIFICATION TEST M DATE D Y

SUPERVISOR CWI 09 | 20 | 06

## INSPECTION REPORT

CUSTOMER: S. W. COLE ENGINEERING PAGE 1 OF 1

ADDRESS: 286 PORTLAND ROAD, GRAY MAINE 04039

ATTENTION: ROGER DOMINGO

COPIES: ///FILE///

PROJECT: CHESTER STREET LOFT BUILDING

OWNER:

CONTRACTOR: ALLIED COOK

JOB No.: 050623 REPORT No.: QAL-06-1250 P. O. NUMBER: 050623 DATES INSPECTED: 09/28/06 & 09/29/06

**REMARKS**

VISUAL STRUCTURAL STEEL INSPECTION IAW AWS D1.1 ON THE FOLLOWING:  
 CHESTER STREET LOFT BUILDING PROJECT

- A) 5TH FLOOR STUDS AND DECK PUDDLE WELDS. ACCEPTABLE  
 5TH FLOOR BOTTOM BRACE WELDS. ACCEPTABLE
- B) 6TH FLOOR STUDS - 1 STUD MISSING COLUMN LINE (A.7, BETWEEN LINE 1 & 3), STUD WILL BE ADDE. NO INSPECTION NEEDED FOR THAT 1 STUD. ACCEPTABLE  
 2 STUDS BROKE, THE 2 STUDS THAT BROKE HAVE EXTRA STUD IN THAT LINE. ACCEPTABLE  
 DECK PUDDLE WELDS. ACCEPTABLE  
 6TH FLOOR BOTTOM BRACE WELDS. ACCEPTABLE

///LAST ITEM///

FAA REPAIR STATION NUMBER RX5R187N  
 METHOD(S), PROCESS(ES), PROCEDURE(S) MERCURY FREE

ADDITIONAL INFORMATION - SEE ATTACHED:  SKETCHES  SUPPLEMENTARY SHEETS  NDT REPORTS  VIDEO

SIGNATURES		CERTIFICATION	DATE
INSPECTOR	SUPERVISOR	LEVEL	M D Y
G. Parechanian #2447369	<i>G. Parechanian</i>	CWI	09   29   06
G. Parechanian #2447369	<i>G. Parechanian</i>	CWI	09   29   06

## INSPECTION REPORT

CUSTOMER: S.W. COLE ENGINEERING PAGE 1 OF 1

ADDRESS: 286 PORTLAND ROAD, GRAY MAINE 04039

ATTENTION: ROGER DOMINGO

COPIES: ///FILE///

PROJECT: CHESTER STREET LOFT BUILDING

OWNER:

CONTRACTOR: ALLIED COOK

JOB No.: 050623 REPORT No.: QAL-06-1284 P.O. NUMBER: 050623 DATES INSPECTED: 10/4/06 & 10/9/06

REMARKS

VISUAL STRUCTURAL STEEL INSPECTION IAW AWS D1.1 ON THE FOLLOWING:

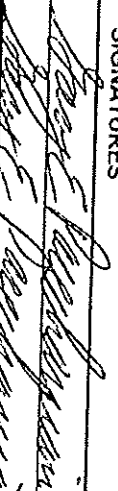
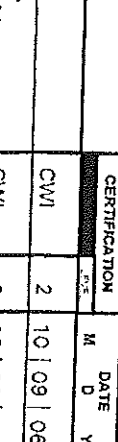


CHESTER STREET LOFT BUILDING PROJECT

- A) 7TH FLOOR STUDS AND DECK PUDDLE WELDS. ACCEPTABLE
- 7TH FLOOR BOTTOM BRACE WELDS. ACCEPTABLE
- B) 8TH FLOOR STUDS AND DECK PUDDLE WELDS. ACCEPTABLE
- 8TH FLOOR BOTTOM BRACE WELDS. ACCEPTABLE

///LAST ITEM///

FAA REPAIR STATION NUMBER RXSR187N  
 METHOD(S), PROCESS(ES), PROCEDURE(S) MERCURY FREE

ADDITIONAL INFORMATION: SEE ATTACHED:  SKETCHES  SUPPLEMENTARY SHEETS(S)  NDT REPORTS  VIDEO

SIGNATURES		CERTIFICATION	DATE	
INSPECTOR	G. Parechamian #2447369	CWI	M	D
		2	10	09
		2	10	09
		2	10	09
		2	10	09



Concrete Construction Observation Report

Project Name:

EWINGSLAND WVS COPTS

Project No: 05-06231

Client:

CMCS LLC

Date: 6/12/06

Placement Type

Footing  Wall  Column  Slab  Other

Placement Location

21510' TO 2215' TO 221' TO 225' N

**PREPLACEMENT OBSERVATIONS**

Observed

Comments

Bar Size (diameter, length, bend & anchorage)

Yes  No

Location (# of bars, spacing, and cover)

Yes  No

Splicing (yield joint, overlap)

Yes  No

Stability (wiring, chairs, and spacers)

Yes  No

Reinforcement free from mud, oil, rust, or other nonmetallic coatings

Yes  No

Reinforcement appears in conformance to specifications

Yes  No

Soil subgrade prepared in accordance with project specifications

Yes  No

Referenced Drawings

Date Page Rev.

ASTM

GRADE

Referenced Drawings	Date	Page	Rev.	ASTM	GRADE	Comments
<u>201A BALKER STEEL</u>	<u>2-21-06</u>			<u>A 615</u>	<input type="checkbox"/> 40 <input type="checkbox"/> 50 <input type="checkbox"/> 60	
<u>201B</u>	<u>2-21-06</u>			<u>A 616</u>	<input type="checkbox"/> 75 <input type="checkbox"/>	
<u>201C</u>	<u>2-21-06</u>			<u>A 617</u>		
				<u>A 706</u>	<input type="checkbox"/>	<u>A 775 Epoxy</u>

**CONCRETE PLACEMENT OBSERVATIONS**

Observed

Comments

Required mix used

Yes  No

Placement and consolidation of concrete observed

Yes  No

Concrete properly conveyed to all areas of placement

Yes  No

Depth of layer maximum limits not exceeded

Yes  No

Internal vibration (depth, of insertion, spacing, time, vertical insertion, no conveyance of concrete by vibration)

Yes  No

Even layering around openings and embedments

Yes  No

Removal of temporary ties and spacers

Yes  No

**FIELD TESTING OF CONCRETE PERFORMED**

Yes  No

\*CYLINDER SET NO: 628-3A

← refer to associated concrete test report

**POST PLACEMENT OBSERVATIONS**

Observed

Comments

Specified finish

Yes  No

Protection of surfaces from cracking due to rapid drying

Yes  No

Proper curing procedures implemented

Yes  No

**NON-COMFORMANCE ITEMS OBSERVED**

Yes  No

Non-conformance item description:

Action taken by SWCE:

N/A

ATTACHMENTS Y  N

TECHNICIAN:

SLD

REVIEWED BY:

RET





**SWCCOLE**  
ENGINEERING, INC.

Concrete Construction Observation Report

Project Name:

Conoverland Ave Lifts

Project No: D5-0623.1

Client:

Date: 6-13-06

Placement type

Footing  Wall  Column  Slab  Other

Placement Location

**PRE PLACEMENT OBSERVATIONS**

Observed

Comments

Bar Size (diameter, length, bend & anchorage)

Yes  No

Location (#of bars, spacing, and cover)

Yes  No

Splicing (weld joint overlap)

Yes  No

Stability (wiring, chairs, and spacers)

Yes  No

Reinforcement free from mud, oil, rust, or other nonmetallic coatings

Yes  No

Reinforcement appears in conformance to specifications

Yes  No

Soil subgrade prepared in accordance with project specifications

Yes  No

Referenced Drawings

Date

Page

Rev.

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GRADE

RO1A Barbed Steel

2-24-06

A 615

40  50  60

RO1B

2-24-06

A 616

75

RO1C

2-24-06

A 706

A 775 Epoxy

**CONCRETE PLACEMENT OBSERVATIONS**

Observed

Comments

Required mix used

Placement and consolidation of concrete observed

Yes  No

Concrete properly conveyed to all areas of placement

Yes  No

Depth of layer maximum limits not exceeded

Yes  No

Internal vibration (depth of insertion, spacing, time, vertical insertion, no conveyance of concrete by vibration)

Yes  No

Even layering around openings and embedments

Yes  No

Removal of temporary ties and spacers

Yes  No

**FIELD TESTING OF CONCRETE PERFORMED**

M/A

\*CYLINDER SET NO: 028-94

← refer to associated concrete test report

**POST PLACEMENT OBSERVATIONS**

Observed

Comments

Specified finish

Yes  No

Protection of surfaces from cracking due to rapid drying

Yes  No

Proper curing procedures implemented

Yes  No

**NON-CONFORMANCE ITEMS OBSERVED**

Yes  No

Non-conformance item description:

Action taken by SWCE

ATTACHMENTS Y  N

NOTES:

TECHNICIAN:

SLD

REVIEWED BY:

RD



**S.W.CCOLLE**  
ENGINEERING, INC.

• Geotechnical Engineering • Field & Lab Testing • Scientific & Environmental Consulting

DAILY CONSTRUCTION REPORT

Project: Cumberland Ave. Lofts

Client: MRS LLC

Project No.: 05-0623.1

Client's Rep.: Alan Michals

Date: 6-20-06

Weather: Sunny, 80°

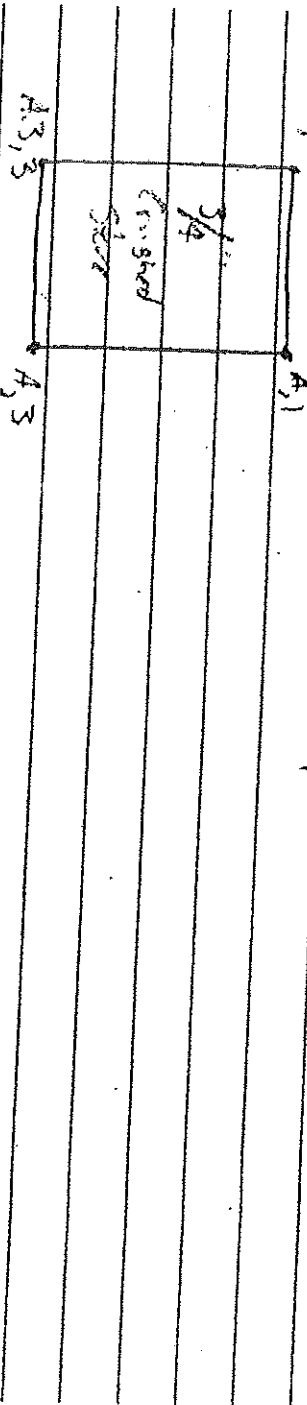
Arrived at Site at: 1:30 pm

Temp. Range: \_\_\_\_\_

Work in Progress: Coles excavating for pier footing banded by 1+3 lines and A+ A.3 lines

Work Performed by SWC Rep.: Observed Footing Subgrade and Placement of Fill

General Observations, Discussions, Etc.: Coles (Contractor) excavated native soil (native soil observed is dark brown silty clay consistent with geotechnical report prepared by \_\_\_\_\_) Stone will be compacted and rebar placed later.  
A.3, 1



Recommendations to Contractor/Owner's Rep.: Checked stone needs to be compacted prior to placement of reinforcing steel over concrete

Left Site at: 2:30 pm

SWC Rep.: J. D. Atchable

RND

GRAY, ME OFFICE

286 Portland Road, Grey, ME 04039, Tel (207) 657-2866, Fax (207) 657-2840, (E) [info@gray@swccolle.com](mailto:info@gray@swccolle.com), (I) [www.swccolle.com](http://www.swccolle.com)

Other offices in Augusta, Bangor and Carthou, Maine & in Somersworth, New Hampshire



**S.W. COOLE**  
ENGINEERING, INC.

Concrete Construction Observation Report

Project Name:

Christof St

Project No: 05-0231

Client:

Christof St. Cofts LLC

Date: 7-10

Placement Type

Footing  Wall  Column  Slab  Other

Placement Location

~ C6-9 ~ A7 on S side

**PRE PLACEMENT OBSERVATIONS**

Bar Size (diameter, length, bend & anchorage)

Observed  
Yes  No

Comments

Location (#of bars, spacing, and cover)

Yes  No

Splicing (weld joint, overlap)

Yes  No

Stability (wiring, chairs, and spacers)

Yes  No

Reinforcement free from mud, oil, rust, or other nonmetallic coatings

Yes  No

Reinforcement appears in conformance to specifications

Yes  No

Soil subgrade prepared in accordance with project specifications

Yes  No

Referenced Drawings

Date

Page

Rev.

ASTM

GRADE

S3-0

2-27-06

A 615  40  50  60   
A 616  75   
A 617   
A 706  A 775 Epoxy

**CONCRETE PLACEMENT OBSERVATIONS**

Required mix used.

Observed

Comments

Placement and consolidation of concrete observed

Yes  No

Concrete properly conveyed to all areas of placement

Yes  No

Depth of layer maximum limits not exceeded

Yes  No

Internal vibration (depth of insertion, spacing, time, vertical insertion, no conveyance of concrete by vibration)

Yes  No

Even layering around openings and embedments

Yes  No

Removal of temporary ties and spacers

Yes  No

\*CYLINDER SET NO: 628-7

Yes  No

**POST PLACEMENT OBSERVATIONS**

Specified finish

Observed

Comments

Protection of surfaces from cracking due to rapid drying

Yes  No

Proper curing procedures implemented

Yes  No

**NON-CONFORMANCE ITEMS OBSERVED**

Yes  No

Non-conformance item description:

Action taken by SWCE:

NOTES:

ATTACHMENTS Y  N

TECHNICIAN:

WV

REVIEWED BY:

RWD



**S.W. COLE**  
ENGINEERING, INC.

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS    Project Number: 05-0623.1  
TESTING

Client: CHESTNUT STREET LOFTS, LLC    Client Contract Number:

General Contractor:    Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 5/22/2006    Time Cast: 3:00    Date Received: 5/23/2006

Placement Location: FOOTINGS - A.3 ON I TO C ON I LINE    A.3 ON I TO S LINE, AS TO B LINE + 20'

Placement Method: PUMP    Placement Vol. (yd<sup>3</sup>): 29  
Cylinders Made By: KLG    Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

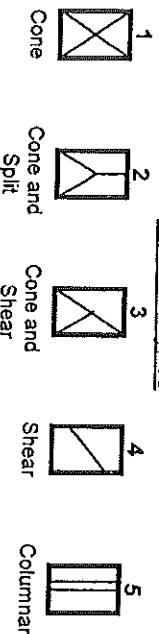
Temperatures    DELIVERY INFORMATION  
Minimum (°F)    Maximum (°F)    Admixtures: POLYHEED 997

TEST RESULTS

Slump (in) (C-143): 4.5    Load Number: 1  
Air Content (%) (C-231): 5.8    Mixer Number: 186  
Air Temp (°F): 60    Ticket Number: 4521011  
Conc. Temp (°F) (C-1064): 60    Cubic Yards: 10  
Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(in) <sup>2</sup>	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
628-1A	6.00	6.00	28.27	5/29/2006	Lab	7	4	106.0	3750
628-1B	6.00	6.00	28.27	6/19/2006	Lab	28	4	134.5	4760
628-1C	6.00	6.00	28.27	6/19/2006	Lab	28	4	132.5	4690
628-1D				Hold	Lab				

Fracture Types



Remarks:



**S.W. COLE**  
ENGINEERING, INC.

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING

Project Number:

05-0623.1

Client: CHESTNUT STREET LOFTS, LLC

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 5/31/2006 Time Cast: 11:52

Date Received: 6/1/2006

Placement Location: FOUND WALL 5'N OF C/1 TO 14'S OF A.3/5 ; FOOTING 4'S OF C/1 TO D.2/5

Placement Method: PUMP

Placement Vol. (yd<sup>3</sup>): 59

Cylinders Made By: DAC

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) Maximum (°F)

DELIVERY INFORMATION

Admixtures: POLYHEED 997

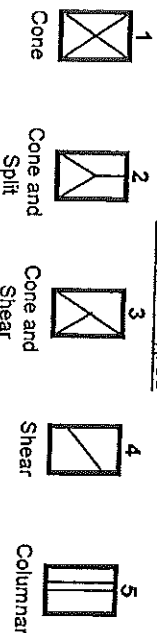
TEST RESULTS

Slump (in) (C-143): 5.25  
 Air Content (%) (C-231): 6.7  
 Air Temp (°F): 65  
 Conc. Temp (°F) (C-1064): 70

Load Number: 3  
 Mixer Number: 169  
 Ticket Number: 4521232  
 Cubic Yards: 10  
 Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) <sup>2</sup>	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
628-2A	6.00	6.00	28.27	6/7/2006	Lab	7	4	74.0	2620
628-2B	6.00	6.00	28.27	6/28/2006	Lab	28	4	110.5	3910
628-2C	6.00	6.00	28.27	6/28/2006	Lab	28	4	108.0	3820
628-2D				Hold	Lab				

Fracture Types



Remarks:



**S.W. COLE**  
ENGINEERING, INC.

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING      Project Number: 05-0623.1

Client: CHESTNUT STREET LOFTS, LLC      Client Contract Number:

General Contractor:      Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 6/12/2006      Time Cast: 4:40      Date Received: 6/13/2006  
 Placement Location: WALL: D.2/5+10 TO D.2/5 TO D.2/1 TO C/1

Placement Method: PUMP      Placement Vol. (yd³): 37.5  
 Cylinders Made By: JLD      Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures:      Admixtures: POLYHEED 997  
 Minimum (°F)      Maximum (°F)

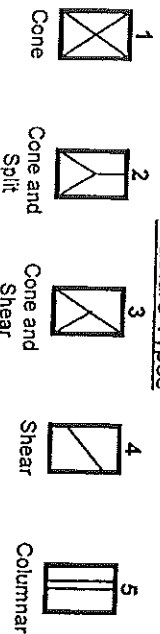
TEST RESULTS

Slump (in) (C-143): 5.5      Slump WR: 5.5      Load Number: 3  
 Air Content (%) (C-231):      Air WR: 7.25      Mixer Number: 178  
 Air Temp (°F): 70      Ticket Number: 4521419  
 Conc. Temp (°F) (C-1064): 74      Cubic Yards: 10  
 Design (psi): 3000

DELIVERY INFORMATION

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In)²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
628-3A	6.00	6.00	28.27	6/19/2006	Lab	7	4	82.5	2920
628-3B	6.00	6.00	28.27	7/10/2006	Lab	28	4	108.0	3820
628-3C	6.00	6.00	28.27	7/10/2006	Lab	28	4	108.5	3840
628-3D				Hold	Lab				

Fracture Types



Remarks:



**S.W. COLE**  
ENGINEERING, INC.

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS      Project Number: 05-0623.1  
TESTING

Client: CHESTNUT STREET LOFTS, LLC      Client Contract Number:

General Contractor:      Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 6/13/2006      Time Cast: 12:40      Date Received: 6/15/2006  
Placement Location: B3

Placement Method: TAILGATE      Placement Vol. (yd³): 32  
Cylinders Made By: JLD      Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

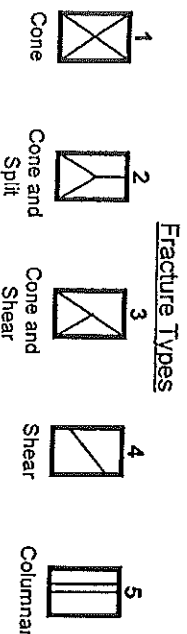
Temperatures  
Minimum (°F)      Maximum (°F)

DELIVERY INFORMATION  
Admixtures:

TEST RESULTS

Slump (in) (C-143): 6.0      Load Number: 3  
Air Content (%) (C-231): 7.0      Mixer Number: 190  
Air Temp (°F): 76      Ticket Number: 4521443  
Conc. Temp (°F) (C-1064): 78      Cubic Yards: 8  
Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(in²)	Date Of Test	Cure Type (days)	Age (days)	Fracture Type	Load (kips)	Strength (psi)
628-4A	6.00	6.00	28.27	6/20/2006	Lab	7	4	66.0	2340
628-4B	6.00	6.00	28.27	7/11/2006	Lab	28	4	94.0	3330
628-4C	6.00	6.00	28.27	7/11/2006	Lab	28	4	95.5	3380
628-4D				Hold	Lab				



Remarks:



**S.W. COLE**  
ENGINEERING, INC.

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING      Project Number: 05-0623.1

Client: CHESTNUT STREET LOFTS, LLC      Client Contract Number:

General Contractor:      Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 6/21/2006      Time Cast: 1:20      Date Received: 6/22/2006

Placement Location: PIER FOOTING AT C.3 AND ELEVATOR PIT FOOTING

Placement Method: PUMP      Placement Vol. (yd<sup>3</sup>): 38.5  
Cylinders Made By: KLG      Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

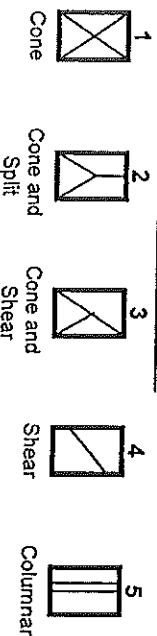
Temperatures:      Admixtures: POLYHEED 997  
Minimum (°F)      Maximum (°F)

TEST RESULTS

Slump (in) (C-143): 4.5      Load Number: 1  
Air Content (%) (C-231): 6.8      Mixer Number: 169  
Air Temp (°F): 75      Ticket Number: 4521665  
Conc. Temp (°F) (C-1064): 70      Cubic Yards: 10  
Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(in <sup>2</sup> )	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
628-5A	6.00	6.00	28.27	6/28/2006	Lab	7	4	76.0	2690
628-5B	6.00	6.00	28.27	7/19/2006	Lab	28	4	107.0	3790
628-5C	6.00	6.00	28.27	7/19/2006	Lab	28	4	105.0	3710
628-5D				Hold	Lab				

Fracture Types



Remarks:





**S.W. COLE**  
ENGINEERING, INC.

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING

Project Number: 05-0923.1

Client: CHESTNUT STREET LOFTS, LLC

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 6/28/2006 Time Cast: 1:30

Date Received: 6/29/2006

Placement Location: FOOTINGS 3 LINE : E LINE PIERS COM 5 LINE

Placement Method: PUMPED

Placement Vol. (yd<sup>3</sup>): 50

Cylinders Made By: DMR

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) Maximum (°F)

DELIVERY INFORMATION

Admixtures: POLYHEED 997

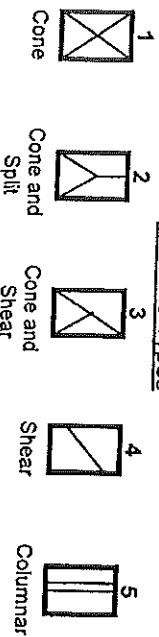
TEST RESULTS

Slump (in) (C-143): 4  
 Air Content (%) (C-231): 5.1  
 Air Temp (°F): 70  
 Conc. Temp (°F) (C-1064): 71

Load Number: 3  
 Mixer Number: 154  
 Ticket Number: 4521692  
 Cubic Yards: 30  
 Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(in) <sup>2</sup>	Date Of Test	Cure Type (days)	Age (days)	Fracture Type	Load (kips)	Strength (psi)
628-6A	6.00	6.00	28.27	7/5/2006	Lab	7	4	86.0	3040
628-6B	6.00	6.00	28.27	7/26/2006	Lab	28	4	120.0	4250
628-6C	6.00	6.00	28.27	7/26/2006	Lab	28	4	123.0	4350
628-6D				Hold	Lab				

Fracture Types



Remarks:



**S.W. COLE**  
ENGINEERING, INC.

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS      Project Number: 05-0623.1  
TESTING

Client: CHESTNUT STREET LOFTS, LLC      Client Contract Number:

General Contractor:      Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 7/10/2006      Time Cast: 12:55      Date Received: 7/11/2006  
Placement Location: WALL ~ C. 6 --> ~ A. 7 ON S LINE

Placement Method: PUMP      Placement Vol. (yd³): 30  
Cylinders Made By: KLG      Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

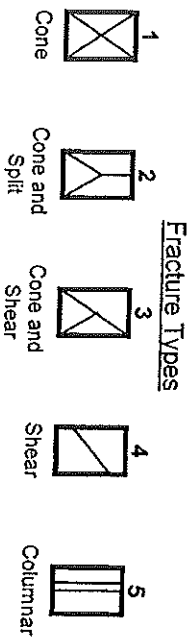
Temperatures      Admixtures: POLYHEED 997  
Minimum (°F)      Maximum (°F)

TEST RESULTS

Slump (in) (C-143): 5 1/2      Load Number: 1  
Air Content (%) (C-231): 6.0      Mixer Number: 169  
Air Temp (°F): 85      Ticket Number: 4521833  
Conc. Temp (°F) (C-1064): 76      Cubic Yards: 10  
Design (psi): 3000

DELIVERY INFORMATION

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area (in)²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
628-7A	6.00	6.00	28.27	7/17/2006	Lab	7	4	72.5	2570
628-7B	6.00	6.00	28.27	8/7/2006	Lab	28	4	110.5	3910
628-7C	6.00	6.00	28.27	8/7/2006	Lab	28	4	120.5	4260
628-7D				Hold	Lab				



Remarks:



**S.W. COLLE**  
ENGINEERING, INC.

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING

Project Number: 05-0623.1

Client: CHESTNUT STREET LOFTS, LLC

Client Contract Number:

General

Contractor:

Concrete

Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 7/18/2006 Time Cast: 2:20

Date Received: 7/19/2006

Placement Location: ELEVATOR PIT, ENTRY WAY 1-A.3 TO 1-A, 1-A TO 5.6

Placement Method: PUMP

Cylinders Made By: DMR

Placement Vol. (yd<sup>3</sup>): 21

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) Maximum (°F)

DELIVERY INFORMATION

Admixtures: POLYHEED 997

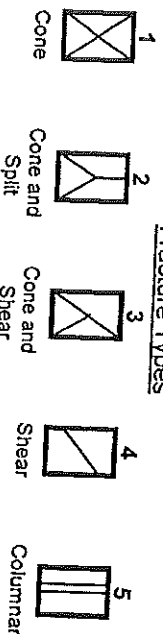
TEST RESULTS

Slump (in) (C-143): 53.25  
 Air Content (%) (C-231): 6.6  
 Air Temp (°F): 95  
 Conc. Temp (°F) (C-1064): 81

Load Number: 2  
 Mixer Number: 186  
 Ticket Number: 4521991  
 Cubic Yards: 10.5  
 Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(in) <sup>2</sup>	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
628-8A	6.00	6.00	28.27	7/25/2006	Lab	7	4	83.5	2950
628-8B	6.00	6.00	28.27	8/15/2006	Lab	28	4	117.0	4140
628-8C	6.00	6.00	28.27	8/15/2006	Lab	28	4	118.0	4170
628-8D				Hold	Lab				

Fracture Types



Remarks:



**S.W. COLE**  
ENGINEERING, INC.

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS      Project Number: 05-0623.1  
TESTING

Client: CHESTNUT STREET LOFTS, LLC      Client Contract Number:

General Contractor:      Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 7/20/2006      Time Cast: 3:55      Date Received: 7/21/2006

Placement Location: PIER FOOTING & GRADE BEAMS OFF 5 LINE

Placement Method: TAILGATE

Cylinders Made By: DMR

Placement Vol. (yd<sup>3</sup>): 21  
Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F)      Maximum (°F)

DELIVERY INFORMATION

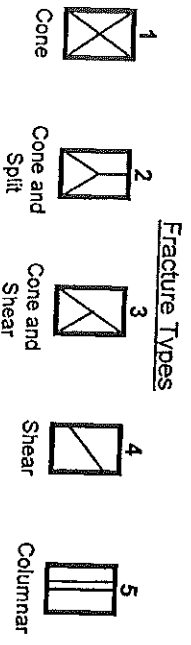
Admixtures: POLYHEED 997

TEST RESULTS

Slump (in) (C-143): 5.25  
Air Content (%) (C-231): 5.4  
Air Temp (°F): 85  
Conc. Temp (°F) (C-1064): 80

Load Number: 2  
Mixer Number: 154  
Ticket Number: 4522049  
Cubic Yards: 10.5  
Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area (in) <sup>2</sup>	Date Of Test	Cure Type (days)	Age (days)	Fracture Type	Load (kips)	Strength (psi)
628-9A	6.00	6.00	28.27	7/25/2006	Lab	5	4	65.5	2320
628-9B	6.00	6.00	28.27	7/27/2006	Lab	7	4	71.5	2530
628-9C	6.00	6.00	28.27	8/17/2006	Lab	28	4	109.0	3860
628-9D	6.00	6.00	28.27	8/17/2006	Lab	28	4	105.0	3710



Remarks:



**S.W. COLLE**  
ENGINEERING, INC.

**Report of Concrete Compressive Strength**

ASTM C-31 & C-39

Project Name: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS      Project Number: 05-0623.1  
TESTING

Client: CHESTNUT STREET LOFTS, LLC      Client Contract Number:

General Contractor:      Concrete Supplier: DRAGON PRODUCTS

**PLACEMENT INFORMATION**

Date Cast: 7/21/2006      Time Cast: 1:05      Date Received: 7/22/2006  
Placement Location: PIERS A, B & C ON 6 LINE

Placement Method: TAILGATE      Placement Vol. (yd<sup>3</sup>): 4  
Cylinders Made By: DMR      Aggregate Size (in): 3/4

**INITIAL CURING CONDITIONS**

Temperatures      Admixtures: POLYHEED 997  
Minimum (°F)      Maximum (°F)

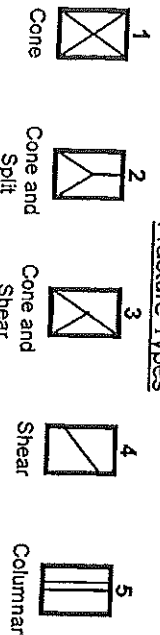
**TEST RESULTS**

Slump (in) (C-143): 5.5      Load Number: 1  
Air Content (%) (C-231): 5.8      Mixer Number: 184  
Air Temp (°F): 80      Ticket Number: 4522070  
Conc. Temp (°F) (C-1064): 78      Cubic Yards: 4  
Design (psi): 4000

**DELIVERY INFORMATION**

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area (in <sup>2</sup> )	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
628-10A	6.00	6.00	28.27	7/28/2006	Lab	7	4	84.0	2970
628-10B	6.00	6.00	28.27	8/18/2006	Lab	28	4	152.5	5390
628-10C	6.00	6.00	28.27	8/18/2006	Lab	28	4	143.5	5080
628-10D				Hold	Lab				

Fracture Types



Remarks:



**S.W. COLLE**  
ENGINEERING, INC.

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS      Project Number: 05-0623.1  
TESTING

Client: CHESTNUT STREET LOFTS, LLC      Client Contract Number:

General Contractor:      Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 7/24/2006      Time Cast: 2:45      Date Received: 7/25/2006

Placement Location: E6 FOOTING

Placement Method: TAILGATE

Cylinders Made By: JLD

Placement Vol. (yd<sup>3</sup>): 4.5

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F)      Maximum (°F)

DELIVERY INFORMATION

Admixtures: POLYHEED 997

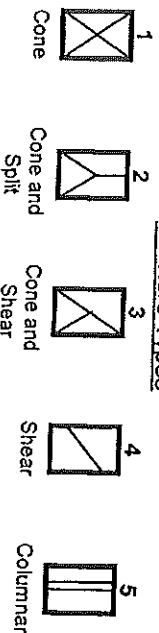
TEST RESULTS

Slump (in) (C-143):      Slump WR:      5.5  
Air Content (%) (C-231):      Air WR:      5.4  
Air Temp (°F):      80  
Conc. Temp (°F) (C-1064):      83

Load Number: 1  
Mixer Number: 184  
Ticket Number: 4522070  
Cubic Yards: 4.5  
Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area (in) <sup>2</sup>	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
628-11A	6.00	6.00	28.27	7/29/2006	Lab	5	4	105.0	3710
628-11B	6.00	6.00	28.27	8/21/2006	Lab	28	4	139.5	4930
628-11C	6.00	6.00	28.27	8/21/2006	Lab	28	4	137.5	4860
628-11D				Hold	Lab				

Fracture Types



Remarks:



**S.W. COLE**  
ENGINEERING, INC.

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS      Project Number: 05-0623.1  
TESTING

Client: CHESTNUT STREET LOFTS, LLC      Client Contract Number:

General Contractor:      Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 7/25/2006      Time Cast: 2:05      Date Received: 7/26/2006

Placement Location: E6 PIER SLAB ENTRANCE 5C

Placement Method: TAILGATE

Cylinders Made By: JLD

Placement Vol. (yd<sup>3</sup>): 2

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F)      Maximum (°F)

DELIVERY INFORMATION

Admixtures: POLYHEED 997

TEST RESULTS

Slump (in) (C-143):      Slump WR:      2.5      Load Number:      1

Air Content (%) (C-231):      Air WR:      4.7      Mixer Number:      168

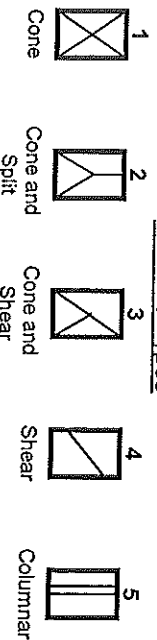
Air Temp (°F):      85      Ticket Number:      4522130

Conc. Temp (°F) (C-1064):      91      Cubic Yards:      2

Design (psi):      3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Gross Sectional Area (in) <sup>2</sup>	Date Of Test	Cure Type (days)	Age (days)	Fracture Type	Load (kips)	Strength (psi)
628-12A	6.00	28.27	7/30/2006	Lab	5	4		92.5	3270
628-12B	6.00	28.27	8/22/2006	Lab	28	4		128.0	4530
628-12C	6.00	28.27	8/22/2006	Lab	28	4		124.0	4390
628-12D			Hold	Lab					

Fracture Types



Remarks:



**S.W. COLLE**  
ENGINEERING, INC.

**Report of Concrete Compressive Strength**

ASTM C-31 & C-39

Project Name: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS    Project Number: 05-0623.1  
TESTING

Client: CHESTNUT STREET LOFTS, LLC

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

**PLACEMENT INFORMATION**

Date Cast: 8/2/2006    Time Cast: 8:24    Date Received: 8/3/2006  
Placement Location: SLAB - BASEMENT LEVEL

Placement Method: PUMP  
Cylinders Made By: KLG

Placement Vol. (yd<sup>3</sup>): 42  
Aggregate Size (in): 3/4

**INITIAL CURING CONDITIONS**

Temperatures  
Minimum (°F)    Maximum (°F)

AD MIXTURES:  
FIBER / NO AIR /  
POLYHEED 997

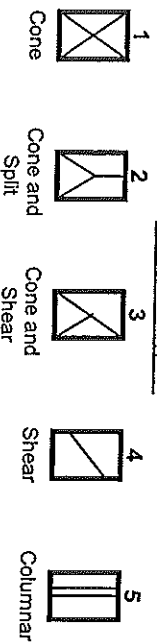
**TEST RESULTS**

Slump (in) (C-143): 5.75  
Air Content (%) (C-231): 2.6  
Air Temp (°F): 80  
Conc. Temp (°F) (C-1064): 83

Load Number: 3  
Mixer Number: 190  
Ticket Number: 4522241  
Cubic Yards: 10  
Design (psi): 4000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area (in) <sup>2</sup>	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
628-13A	6.00	6.00	28.27	8/9/2006	Lab	7	4	103.5	3660
628-13B	6.00	6.00	28.27	8/30/2006	Lab	28	4	151.5	5360
628-13C	6.00	6.00	28.27	8/30/2006	Lab	28	4	142.5	5040
628-13D				Hold	Lab				

**Fracture Types**



Remarks:





**S.W. COLLE**  
ENGINEERING, INC.

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS    Project Number: 05-0623.1  
TESTING

Client: CHESTNUT STREET LOFTS, LLC    Client Contract Number:

General Contractor:    Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 9/15/2006    Time Cast: 8:12    Date Received: 9/16/2006

Placement Location: INTERIOR FLOOR SLABS FIRST AND SECOND LEVEL

Placement Method: PUMP    Placement Vol. (yd³): 140  
Cylinders Made By: SEB    Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

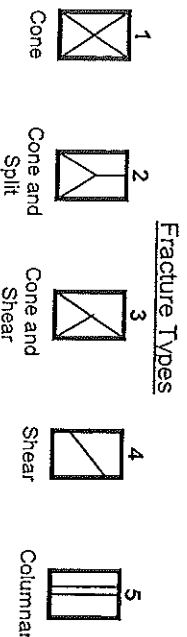
Temperatures    Admixtures: POLYHEED 997  
Minimum (°F)    Maximum (°F)

TEST RESULTS

Slump (in) (C-143):    Slump WR:    5.5    Load Number:    4  
Air Content (%) (C-231):    Air WR:    2.0    Mixer Number:    191  
Air Temp (°F):    69    Ticket Number:    4522412  
Conc. Temp (°F) (C-1064):    66    Cubic Yards:    10  
Design (psi):    4000

DELIVERY INFORMATION

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In)²	Date Of Test	Cure Type (days)	Age (days)	Fracture Type	Load (kips)	Strength (psi)
628-14A	6.00	6.00	28.27	9/22/2006	Lab	7	4	127.5	4510
628-14B				10/13/2006	Lab	28			
628-14C				10/13/2006	Lab	28			
628-14D				Hold	Lab				



Remarks:



**S.W. COLLE**  
ENGINEERING, INC.

**Report of Concrete Compressive Strength**

ASTM C-31 & C-39

Project Name: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS      Project Number: 05-0623.1  
TESTING

Client: CHESTNUT STREET LOFTS, LLC      Client Contract Number:

General Contractor:      Concrete Supplier: DRAGON PRODUCTS

**PLACEMENT INFORMATION**

Date Cast: 9/15/2006      Time Cast: 11:02      Date Received: 9/16/2006

Placement Location: INTERIOR FLOOR SLABS LEVELS 1 & 2

Placement Method: PUMP

Placement Vol. (yd³): 140

Cylinders Made By: SEB

Aggregate Size (in): 3/4

**INITIAL CURING CONDITIONS**

Temperatures

Minimum (°F)      Maximum (°F)

Admixtures: POLYHEED 997

**TEST RESULTS**

Slump (in) (C-143):      Slump WR:      5.5      Load Number:      11

Air Content (%) (C-231):      Air WR:      2.2      Mixer Number:      173

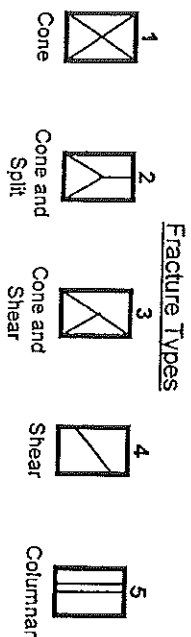
Air Temp (°F):      74      Ticket Number:      4522925

Conc. Temp (°F) (C-1064):      69      Cubic Yards:      10

Design (psi):      4000

**DELIVERY INFORMATION**

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area (in)²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
628-15A	6.00	28.27	9/22/2006	Lab	7	4	125.5	4440	
628-15B	6.00	28.27	10/13/2006	Lab	28	4	144.0	5090	
628-15C	6.00	28.27	10/13/2006	Lab	28	4	156.0	5520	
628-15D			Hold	Lab					



Remarks:



**S.W. COLLE**  
ENGINEERING, INC.

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS      Project Number: 05-0623.1  
TESTING

Client: CHESTNUT STREET LOFTS, LLC      Client Contract Number:

General Contractor:      Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 9/15/2006      Time Cast: 8:12      Date Received: 9/16/2006

Placement Location: INTERIOR FLOOR SLABS FIRST AND SECOND LEVEL

Placement Method: PUMP      Placement Vol. (yd³): 140  
Cylinders Made By: SEB      Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

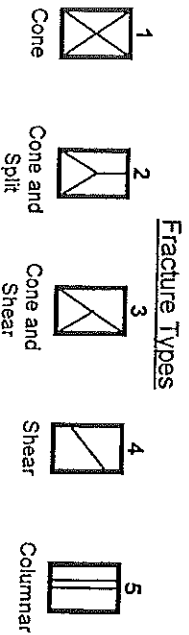
Temperatures      Admixtures: POLYHEED 997  
Minimum (°F)      Maximum (°F)

TEST RESULTS

Slump (in) (C-143):      Slump WR:      5.5      Load Number:      4  
Air Content (%) (C-231):      Air WR:      2.0      Mixer Number:      191  
Air Temp (°F):      69      Ticket Number:      4522412  
Conc. Temp (°F) (C-1064):      66      Cubic Yards:      10  
Design (psi):      4000

DELIVERY INFORMATION

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(in²)	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
628-14A	6.00	28.27	9/22/2006	Lab	7	4		127.5	4510
628-14B	6.00	28.27	10/13/2006	Lab	28	4		153.0	5410
628-14C	6.00	28.27	10/13/2006	Lab	28	4		154.5	5470
628-14D			Hold	Lab					



Remarks:



**S.W. COLLE**  
ENGINEERING, INC.

**Report of Concrete Compressive Strength**

ASTM C-31 & C-39

Project Name: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING      Project Number: 05-0623.1

Client: CHESTNUT STREET LOFTS, LLC      Client Contract Number:

General Contractor:      Concrete Supplier: DRAGON PRODUCTS

**PLACEMENT INFORMATION**

Date Cast: 9/21/2006      Time Cast: 8:26      Date Received: 9/22/2006

Placement Location: 3RD & 4TH SLAB

Placement Method: PUMP

Cylinders Made By: DMR

Placement Vol. (yd<sup>3</sup>): 196

Aggregate Size (in): 3/4

**INITIAL CURING CONDITIONS**

**Temperatures**

Minimum (°F)      Maximum (°F)

**DELIVERY INFORMATION**

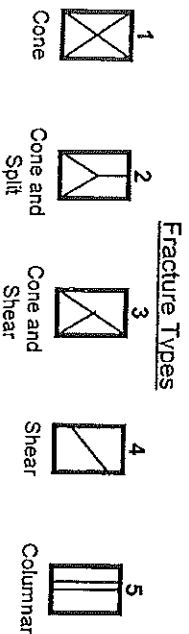
Admixtures: POLYHEED 997

**TEST RESULTS**

Slump (in) (C-143): 5.5  
Air Content (%) (C-231): 2.0  
Air Temp (°F): 65  
Conc. Temp (°F) (C-1064): 68

Load Number: 6  
Mixer Number: 154  
Ticket Number: 4523023  
Cubic Yards: 10  
Design (psi): 4000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(in <sup>2</sup> )	Date Of Test	Cure Type (days)	Age (days)	Fracture Type	Load (Kips)	Strength (psi)
628-16A	6.00	6.00	28.27	9/28/2006	Lab	7	4	99.5	3520
628-16B	6.00	6.00	28.27	10/19/2006	Lab	28	4	163.5	5780
628-16C	6.00	6.00	28.27	10/19/2006	Lab	28	4	153.5	5430
628-16D				Hold	Lab				



Remarks:



**S.W. COLLE**  
ENGINEERING, INC.

**Report of Concrete Compressive Strength**

ASTM C-31 & C-39

Project Name: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING      Project Number: 05-0623.1

Client: CHESTNUT STREET LOFTS, LLC      Client Contract Number:

General Contractor:      Concrete Supplier: DRAGON PRODUCTS

**PLACEMENT INFORMATION**

Date Cast: 9/21/2006      Time Cast: 11:00      Date Received: 9/22/2006

Placement Location: 3RD & 4TH SLAB

Placement Method: PUMP  
Cylinders Made By: DMR

Placement Vol. (yd<sup>3</sup>): 196  
Aggregate Size (in): 3/4

**INITIAL CURING CONDITIONS**

Temperatures  
Minimum (°F)      Maximum (°F)

**DELIVERY INFORMATION**

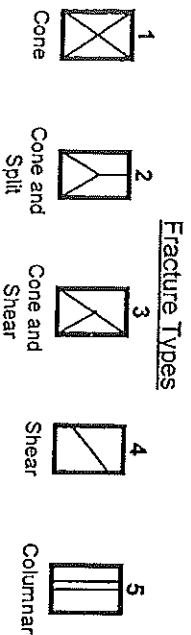
Admixtures: POLYHEED 997

**TEST RESULTS**

Slump (in) (C-143): 5.75  
Air Content (%) (C-231): 2.0  
Air Temp (°F):  
Conc. Temp (°F) (C-1064): 69

Load Number: 16  
Mixer Number: 173  
Ticket Number: 4523033  
Cubic Yards: 10  
Design (psi): 4000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) <sup>2</sup>	Date Of Test	Cure Type (days)	Age (days)	Fracture Type	Load (kips)	Strength (psi)
628-17A	6.00	6.00	28.27	9/28/2006	Lab	7	4	103.0	3640
628-17B	6.00	6.00	28.27	10/19/2006	Lab	28	4	166.5	5890
628-17C	6.00	6.00	28.27	10/19/2006	Lab	28	4	161.5	5710
628-17D				Hold	Lab				



Remarks:



**S.W. COLLE**  
ENGINEERING, INC.

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS    Project Number: 05-0623-1  
TESTING

Client: CHESTNUT STREET LOFTS, LLC    Client Contract Number:

General Contractor:    Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 10/3/2006    Time Cast: 8:25    Date Received: 10/4/2006  
Placement Location: SLABS FLOORS 5 & 6

Placement Method: PUMP    Placement Vol. (yd³): 190  
Cylinders Made By: JRD    Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

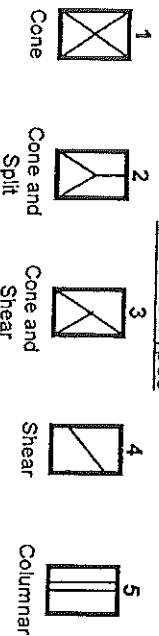
<u>Temperatures</u>		<u>Deliveries:</u>
Minimum (°F)	Maximum (°F)	POLYHEED 997 / POZZUTEC 20 1%

TEST RESULTS

Slump (in) (C-143):	6	Load Number:	6
Air Content (%) (C-231):	2	Mixer Number:	170
Air Temp (°F):	51	Ticket Number:	4523212
Conc. Temp (°F) (C-1064):	67	Cubic Yards:	10
		Design (psi):	4000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area (in²)	Date Of Test	Cure Type (days)	Age (days)	Fracture Type	Load (kips)	Strength (psi)
628-18A	6.00	6.00	28.27	10/10/2006	Lab	7	4	94.5	3340
628-18B				10/31/2006	Lab	28			
628-18C				10/31/2006	Lab	28			
628-18D				Hold	Lab				

Fracture Types



Remarks:



**S.W. COLE**  
ENGINEERING, INC.

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS      Project Number:      05-0623.1  
TESTING

Client: CHESTNUT STREET LOFTS, LLC

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 10/3/2006      Time Cast: 10:55      Date Received: 10/4/2006  
Placement Location: SLABS FLOORS 5 & 6

Placement Method: PUMP  
Cylinders Made By: JRD

Placement Vol. (yd<sup>3</sup>): 190  
Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures  
Minimum (°F)      Maximum (°F)

DELIVERY INFORMATION

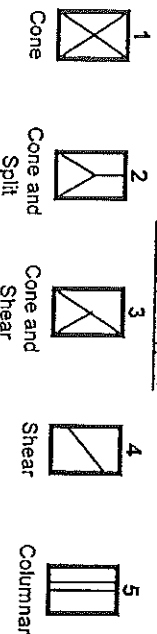
Admixtures: POLYHEED 997 /  
POZZUTEC 20 1%

TEST RESULTS

Slump (in) (C-143): 6      Load Number: 16  
Air Content (%) (C-231): 2      Mixer Number: 173  
Air Temp (°F): 62      Ticket Number: 4523223  
Conc. Temp (°F) (C-1064): 67      Cubic Yards: 10  
Design (psi): 4000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area (in <sup>2</sup> )	Date Of Test	Cure Type (days)	Age Fracture Type	Load (kips)	Strength (psi)
628-19A	6.00	6.00	28.27	10/10/2006	Lab	7      4	93.0	3290
628-19B				10/31/2006	Lab	28		
628-19C				10/31/2006	Lab	28		
628-19D				Hold	Lab			

Fracture Types



Remarks:



**S.W. COLE**  
ENGINEERING, INC.

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS    Project Number:    05-0623.1  
TESTING

Client: CHESTNUT STREET LOFTS, LLC    Client Contract Number:

General Contractor:    Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 10/10/2006    Time Cast: 11:10    Date Received: 10/11/2006

Placement Location: 7TH & 8TH FLOOR SLABS

Placement Method: PUMP    Placement Vol. (yd<sup>3</sup>): 160  
Cylinders Made By: DMR    Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F)    Maximum (°F)    Admixtures: POLYHEED 997 & POZZUTEC 1%

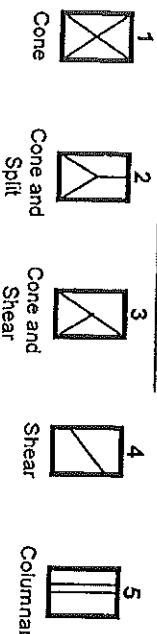
TEST RESULTS

Slump (in) (C-143): 5.5    Load Number: 14  
Air Content (%) (C-231): 1.8    Mixer Number: 175  
Air Temp (°F): 65    Ticket Number: 4523381  
Conc. Temp (°F) (C-1064): 63    Cubic Yards: 10  
Design (psi): 4000

DELIVERY INFORMATION

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(in) <sup>2</sup>	Date Of Test	Cure Type (days)	Age Fracture Type	Load (kps)	Strength (psi)
628-21A	6.00	6.00	28.27	10/17/2006	Lab	7 4	110.5	3910
628-21B	6.00	6.00	28.27	11/7/2006	Lab	28 4	156.0	5520
628-21C	6.00	6.00	28.27	11/7/2006	Lab	28 4	170.5	6030
628-21D				Hold	Lab			

Fracture Types



Remarks:

286 Portland Road, Gray, ME 04039-9586 • Tel (207) 657-2866 • Fax (207) 657-2840 • www.swcole.com





**S.W. COLLE**  
ENGINEERING, INC.

# Report of Field Density

## ASTM D2922

Project: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING  
Client: CMCSLLC

Project Number: 05-0623.1

### Field Density Test Results

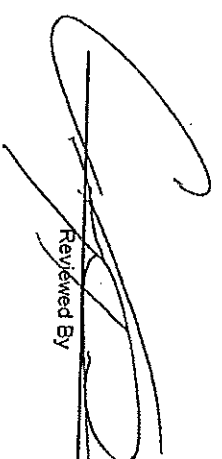
Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
1	4/20/2006	PJO	NW CORNER	36'	12	4892G	128.0	6.4	94.4	95
2	4/20/2006	PJO	NW CORNER	35'	12	4892G	130.0	6.3	95.9	95

### Laboratory Compaction Test Reference

Lab ID	Received Date	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
4892G	4/21/2006	Colex Quarry	Structural Fill	ASTM D-1557 Modified C	135.6	6.8	

Elevation Notes:

Comments:

  
 Reviewed By



**S.W. COLLE**  
ENGINEERING, INC.

# Report of Field Density

## ASTM D2922

Project: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING

Project Number: 05-0623.1

Client: CMCS/LLC

### Field Density Test Results

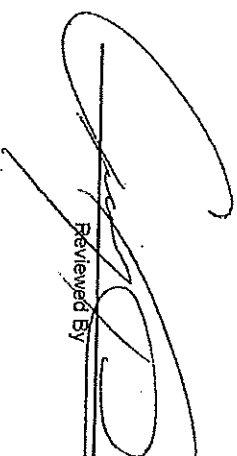
Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
3	4/21/2006	JRD	NORTHERLY CORNER BASEMENT EXCAVATION	8'	10	4892G	129.6	6.6	95.6	95
4	4/21/2006	JRD	NORTHERLY CORNER	8'	8	4892G	128.8	6.0	95.0	95
5	4/21/2006	JRD	NORTHERLY CORNER	10'	10	4892G	132.7	5.8	97.9	95
6	4/21/2006	JRD	NORTHERLY CORNER	10'	10	4892G	129.5	6.7	95.5	95

### Laboratory Compaction Test Reference

Lab ID	Date Received	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
4892G	4/21/2006	Colex Quarry	Structural Fill	ASTM D-1557 Modified C	135.6	6.8	

Elevation Notes:  
BSW = BELOW SIDEWALK

Comments:

  
 Reviewed By



# Report of Field Density ASTM D2922

Project: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING  
Client: CMCS/LLC

Project Number: 05-0623-1

## Field Density Test Results

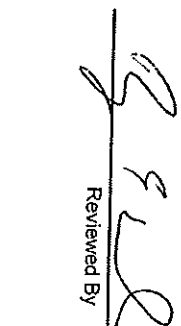
Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
7	4/21/2006	NWM	NW CORNER	40	8	4892G	132.6	4.9	97.8	95
8	4/21/2006	NWM	NW CORNER	36	8	4892G	131.2	6.1	96.8	95
9	4/21/2006	NWM	NW CORNER	37	6	4892G	133.3	5.8	98.3	95
10	4/21/2006	NWM	NW CORNER	38	6	4892G	134.7	5.9	99.3	95
11	4/21/2006	NWM	NW CORNER	39	8	4892G	129.3	6.4	95.4	95

## Laboratory Compaction Test Reference

Lab ID	Received Date	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
4892G	4/21/2006	Colex Quarry	Structural Fill	ASTM D-1557 Modified C	135.6	6.8	

Elevation Notes:

Comments:

  
 Reviewed By



**S.W. COLLE**  
ENGINEERING, INC.

# Report of Field Density

**ASTM D2922**

Project: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING

Project Number: 05-0623.1

Client: CMCS/LLC

## Field Density Test Results

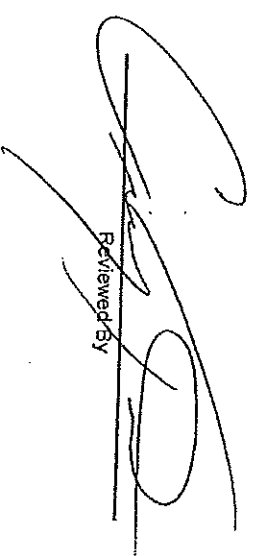
Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
12	4/26/2006	JRD	NORTHERLY CORNER BASEMENT EXCAVATION TEST 1	8'	10	4892G	130.6	5.5	96.3	95
13	4/26/2006	JRD	NORTHERLY CORNER BASEMENT EXCAVATION TEST 2	8'	10	4892G	131.3	5.4	96.8	95

## Laboratory Compaction Test Reference

Lab ID	Received Date	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
4892G	4/21/2006	Colex Quarry	Structural Fill	ASTM D-1557 Modified C	135.6	6.8	

Comments:

BSW = BELOW SIDEWALK



Reviewed By



**S.W. COLLE**  
ENGINEERING, INC.

# Report of Field Density ASTM D2922

Project: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING  
Client: CHESTNUT STREET LOFTS, LLC

Project Number: 05-0623.1

## Field Density Test Results

Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture		Compaction Percent	Required Compaction
								Content Percent	Optimum Content		
14	6/15/2006	JLD	8' OFF 5A.3	52'	12	4892G	133.3	7.0	98.3	95	
15	6/15/2006	JLD	6' SOUTH OF 5A.3	52'	12	4892G	133.4	7.2	98.4	95	
16	6/15/2006	JLD	8' OFF 5A.3	51'	12	4892G	130.3	6.8	96.1	95	

## Laboratory Compaction Test Reference

Lab ID	Date Received	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
4892G	4/21/2006	Colex Quarry	Structural Fill	ASTM D-1557 Modified C	135.6	6.8	

Comments:

\_\_\_\_\_  
 Reviewed By



**S.W. COLLE**  
ENGINEERING, INC.

# Report of Field Density

## ASTM D2922

Project: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING

Project Number: 05-0623.1

Client: CHESTNUT STREET LOFTS, LLC

### Field Density Test Results

Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture		Compaction Percent	Required Compaction
								Content Percent	Optimum Moisture Content (%)		
17	6/21/2006	KLG	D.2, 5 EXTERIOR BACKFILL	47.5	10	4892G	133.0	5.8	98.1	95	
18	6/21/2006	KLG	D.2, 5 EXTERIOR BACKFILL	48	10	4892G	132.1	4.6	97.4	95	
19	6/21/2006	KLG	D.2, 5 EXTERIOR BACKFILL	48.5	10	4892G	133.5	3.5	98.5	95	
20	6/21/2006	KLG	D.2, 5 EXTERIOR BACKFILL	49	10	4892G	130.5	6.1	96.2	95	
21	6/21/2006	KLG	D.2, 4 EXTERIOR BACKFILL	47	10	4892G	131.0	5.8	96.6	95	
22	6/21/2006	KLG	D.2, 5 EXTERIOR BACKFILL	49.5	10	4892G	131.8	5.8	97.2	95	
23	6/21/2006	KLG	D.2, 5 EXTERIOR BACKFILL	50.5	10	4892G	131.5	4.9	97.0	95	
24	6/21/2006	KLG	D.2, 4.5 EXTERIOR BACKFILL	51.0	10	4892G	130.7	4.0	96.4	95	

### Laboratory Compaction Test Reference

Lab ID	Date Received	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
4892G	4/21/2006	Colex Quarry	Structural Fill	ASTM D-1557 Modified C	135.6	6.8	

Comments:

  
 Reviewed By



**S.W. COLE**  
ENGINEERING, INC.

# Report of Field Density

ASTM D2922

Project: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING

Project Number: 05-0623.1

Client: CHESTNUT STREET LOFTS, LLC

## Field Density Test Results

Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
25	6/22/2006	DMR	D.2 - 2.6	49.5	10	4892G	128.7	3.7	94.9	95
26	6/22/2006	DMR	D.2 - 2.6	50.5	10	4892G	129.9	3.6	95.8	95
27	6/22/2006	DMR	D.2 - 2.4	48.5	10	4892G	131.6	4.3	97.1	95
28	6/22/2006	DMR	C.3 2' OFF RIGHT SIDE	41.0	10	4892G	128.6	4.0	94.8	95
29	6/22/2006	DMR	C.3 2' OFF BACK SIDE	40.0	10	4892G	128.9	3.9	95.1	95
30	6/22/2006	DMR	D.2 LINE 2.6 + 10'	51.0	10	4892G	129.8	4.1	95.7	95

## Laboratory Compaction Test Reference

Lab ID	Received Date	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
4892G	4/21/2006	Colex Quarry	Structural Fill	ASTM D-1557 Modified C	135.6	6.8	

Elevation Notes:

Comments:

*gcl*  
Reviewed By



**S.W. COLLE**  
ENGINEERING, INC.

# Report of Field Density

## ASTM D2922

Project: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING

Project Number: 05-0623.1

Client: CHESTNUT STREET LOFTS, LLC

### Field Density Test Results

Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
31	6/23/2006	KLK	D.2 1	~48	8	4892G	132.3	4.8	97.6	95
32	6/23/2006	KLK	D.2 1	~49	8	4892G	132.4	3.2	97.6	95
33	6/23/2006	KLK	D.2 1	~49.5	8	4892G	130.1	3.7	95.9	95
34	6/23/2006	KLK	D.2 1	~50	8	4892G	129.7	4.0	95.6	95
35	6/23/2006	KLK	E 2	~51	10	4892G	130.1	4.4	95.9	95
36	6/23/2006	KLK	E 3	~51	10	4892G	130.3	5.0	96.1	95

### Laboratory Compaction Test Reference

Lab ID	Received Date	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
4892G	4/21/2006	Colex Quarry	Structural Fill	ASTM D-1557 Modified C	135.6	6.8	

Elevation Notes:

Comments:

  
 Reviewed By





# Report of Field Density

## ASTM D2922

Project: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING  
 Client: CHESTNUT STREET LOFTS, LLC

Project Number: 05-0623.1

### Field Density Test Results

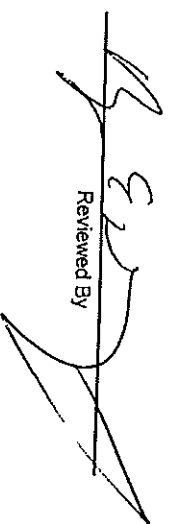
Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
37	7/6/2006	JLD	C.6 - D.2, 1 LINE	48.5'	10	4892G	129.6	3.3	95.6	95
38	7/6/2006	JLD	C.6 - D.2, 1 LINE	49.5'	10	4892G	129.5	3.3	95.5	95
39	7/6/2006	JLD	4' OFF D.2, 1-4	55.0'	10	4892G	129.1	3.7	95.2	95
40	7/6/2006	JLD	E LINE, 1-4	55.5'	8	5232G	119.4	3.3	98.7	95
41	7/6/2006	JLD	E LINE, 1-4	56'	8	5232G	120.2	3.1	99.3	95
42	7/6/2006	JLD	4' OFF D.2, 1 LINE	55.5'	10	4892G	130.8	3.9	96.5	95
43	7/6/2006	JLD	C.6 - D.2, 1 LINE	49'	10	4892G	129.5	2.9	95.5	95
44	7/6/2006	JLD	C.6 - D.2, 1 LINE	49.5'	10	4892G	129.4	3.8	95.4	95
45	7/6/2006	JLD	C.6 - D.2, 1 LINE	50.5'	10	4892G	130.0	4.1	95.9	95
46	7/6/2006	JLD	C.6 - D.2, 1 LINE	51'	10	4892G	131.4	3.0	96.9	95

### Laboratory Compaction Test Reference

Lab ID	Date Received	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
4892G	4/21/2006	Colex Quarry	Structural Fill	ASTM D-1557 Modified C	135.6	6.8	
5232G	6/21/2006	Existing Fill From Yarmouth	Structural Fill	ASTM D-1557 Modified A	121.0	9.6	

Elevation Notes:

Comments:

  
 Reviewed By



# Report of Field Density ASTM D2922

Project: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING

Project Number: 05-0623.1

Client: CHESTNUT STREET LOFTS, LLC

## Field Density Test Results


Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
47	7/7/2006	KL G	D - 2, 1	52	10	5268G	126.7	3.3	95.0	95
48	7/7/2006	KL G	D - 2, 1.5	52.5	10	5268G	130.5	4.0	97.8	95

## Laboratory Compaction Test Reference

Lab ID	Date Received	Material Source	Material Type	Method	Optimum Moisture Content (%)	Comments
5268G	6/26/2006	blended onsite	Structural Fill	ASTM D-1557 Modified C	133.4	7.1

Elevation Notes:

Comments:

  
 Reviewed By



# Report of Field Density ASTM D2922

Project: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING  
Client: CHESTNUT STREET LOFTS, LLC

Project Number: 05-0623.1

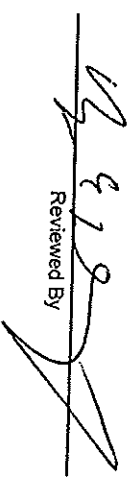
## Field Density Test Results

Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture		Compaction Percent	Required Compaction
								Content Percent	Optimum Moisture Content (%)		
49	7/11/2006	JLD	1 - 3, B.3 - D.2	46.5'	10	4892G	130.7	3.9	96.4	95	
50	7/11/2006	JLD	1 - 3, B.3 - D.2	46.5'	10	4892G	129.8	3.0	95.7	95	

## Laboratory Compaction Test Reference

Lab ID	Date Received	Material Source	Material Type	Method	Max Dry Density	Optimum Moisture Content (%)	Comments
4892G	4/21/2006	Colex Quarry	Structural Fill	ASTM D-1557 Modified C	135.6	6.8	

Comments:

  
Reviewed By



**S.W. COLE**  
ENGINEERING, INC.

# Report of Field Density

**ASTM D2922**

Project: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING

Project Number: 05-0623.1

Client: CHESTNUT STREET LOFTS, LLC

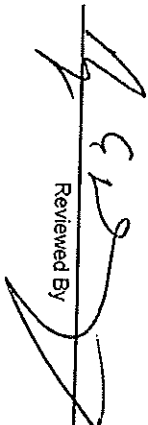
## Field Density Test Results

Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
51	7/12/2006	JLD	1 - 3, B.3 - D2	46.6'	10	4892G	131.9	4.5	97.3	95

## Laboratory Compaction Test Reference

Lab ID	Date Received	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
4892G	4/21/2006	Colex Quarry	Structural Fill	ASTM D-1557 Modified C	135.6	6.8	

Comments:

  
 Reviewed By



**S.W. COLE**  
ENGINEERING, INC.

# Report of Field Density

**ASTM D2922**

Project: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING

Project Number: 05-0623.1

Client: CHESTNUT STREET LOFTS, LLC

## Field Density Test Results

Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
52	7/13/2006	JLD	1 - 3, B.3 - D.2	46.6'	10	4892G	132.9	7.6	98.0	95
53	7/13/2006	JLD	C - C.6, 1 LINE	49.5'	10	4892G	135.3	6.2	99.8	95
54	7/13/2006	JLD	B - C, 5 LINE	45.83'	10	4892G	134.6	6.2	99.3	95

## Laboratory Compaction Test Reference

Lab ID	Received Date	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
4892G	4/21/2006	Colex Quarry	Structural Fill	ASTM D-1557 Modified C	135.6	6.8	

Elevation Notes: Comments:

  
 Reviewed By



**S.W. COLLE**  
ENGINEERING, INC.

# Report of Field Density

## ASTM D2922

Project: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING

Project Number: 05-0623.1

Client: CHESTNUT STREET LOFTS, LLC


### Field Density Test Results

Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
55	7/14/2006	JLD	5 LINE, A.7 - D.2	48.6'	10	4892G	132.4	6.2	97.6	95
56	7/14/2006	JLD	5 LINE, A.7 - D.2	48.6'	10	4892G	129.1	6.8	95.2	95
57	7/14/2006	JLD	5 LINE, A.7 - D.2	49.6'	10	4892G	132.4	5.8	97.6	95
58	7/14/2006	JLD	5 LINE, A.7 - D.2	49.6'	10	4892G	133.7	5.4	98.6	95
59	7/14/2006	JLD	5 LINE, A.7 - D.2	50.6'	10	4892G	129.4	6.7	95.4	95

### Laboratory Compaction Test Reference

Lab ID	Received Date	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
4892G	4/21/2006	Colex Quarry	Structural Fill	ASTM D-1557 Modified C	135.6	6.8	

Elevation Notes: Comments:

  
 Reviewed By



**S.W. COLE**  
ENGINEERING, INC.

# Report of Field Density

## ASTM D2922

Project: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING

Project Number: 05-0623.1

Client: CHESTNUT STREET LOFTS, LLC

### Field Density Test Results

Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
60	7/18/2006	DMR	3' OUTSIDE 5 LINE - C	41'	12	5268G	127.2	5.6	95.4	95
61	7/18/2006	DMR	2' OUTSIDE 5 LINE - B	41'	12	5268G	127.8	5.0	95.8	95
62	7/18/2006	DMR	6' OUTSIDE 5 LINE - BETWEEN B & C	41'	12	5377G	123.6	6.0	96.8	95

### Laboratory Compaction Test Reference

Lab ID	Received Date	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
5268G	6/26/2006	blended onsite	Structural Fill	ASTM D-1557 Modified C	133.4	7.1	
5377G	7/10/2006	Colex Gray Pit	Granular Borrow	ASTM D-1557 Modified A	127.7	8.3	

Comments:

Reviewed By



**S.W. COLE**  
ENGINEERING, INC.

# Report of Field Density

## ASTM D2922

Project: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING  
Client CHESTNUT STREET LOFTS, LLC

Project Number: 05-0623.1

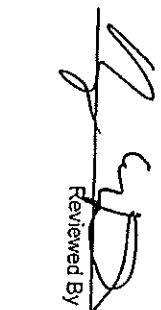
### Field Density Test Results

Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
63	7/20/2006	DMR	2' OUTSIDE FRONT OF ELEVATOR PIT	43	10	52688G	128.6	4.0	96.4	95
64	7/20/2006	DMR	2' OUTSIDE FRONT OF RIGHT SIDE	43	10	52688G	128.0	4.9	96.0	95

### Laboratory Compaction Test Reference

Lab ID	Date Received	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
52688G	6/26/2006	blended onsite	Structural Fill	ASTM D-1557 Modified C	133.4	7.1	

Comments:

  
 Reviewed By





# Report of Field Density ASTM D2922

Project: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING  
Client: CHESTNUT STREET LOFTS, LLC

Project Number: 05-0623.1

## Field Density Test Results

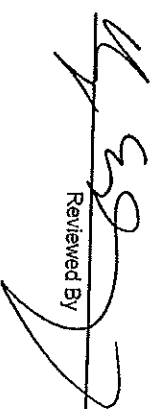
Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture		Required Compaction
								Content Percent	Compaction Percent	
65	7/21/2006	DMR	6' LEFT OF ELEVATOR PIT	FG	10	5268G	127.7	4.0	95.7	95
66	7/21/2006	DMR	3' RIGHT OF ELEVATOR PIT	FG	10	5268G	128.3	4.6	96.2	95

## Laboratory Compaction Test Reference

Lab ID	Received	Date	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
5268G	6/26/2006		blended onsite	Structural Fill	ASTM D-1557 Modified C	133.4	7.1	

Elevation Notes:  
FG: FINISH GRADE

Comments:

  
Reviewed By



**S.W. COLE**  
ENGINEERING, INC.

# Report of Field Density ASTM D2922

Project: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING

Project Number: 05-0623.1

Client: CHESTNUT STREET LOFTS, LLC

## Field Density Test Results

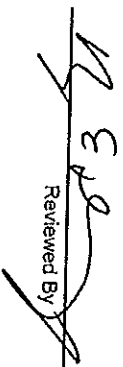
Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
67	7/24/2006	CKT	C LINE	55'	10	5000G	133.4	6.0	97.3	95
68	7/24/2006	CKT	C LINE	55'	10	5000G	134.5	6.4	98.1	95

## Laboratory Compaction Test Reference

Lab ID	Received Date	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
5000G	5/5/2006	Colex Quarry	Aggregate Subbase (TYPE D)	ASTM D-1557 Modified C	137.1	5.7	

Elevation Notes:

Comments:

  
 Reviewed By



S.W. COLE  
ENGINEERING, INC.

# Report of Field Density

ASTM D2922

Project: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING

Project Number: 05-0623.1

Client: CHESTNUT STREET LOFTS, LLC

## Field Density Test Results

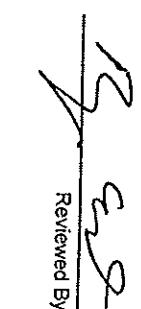
Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
69	7/25/2006	JLD	5 - 6 LINE, B - 1 LINE	56'	10	4892G	131.9	6.0	97.3	95
70	7/25/2006	JLD	5 - 6 LINE, B - 1 LINE	56'	10	4892G	131.4	4.1	96.9	95
71	7/25/2006	JLD	5 - 6 LINE, B - 1 LINE	56'	10	5377G	122.3	6.1	95.8	95
72	7/25/2006	JLD	5 - 6 LINE, B - 1 LINE	56.5'	10	4892G	128.8	3.4	95.0	95

## Laboratory Compaction Test Reference

Lab ID	Received	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
4892G	4/21/2006	Colex Quarry	Structural Fill	ASTM D-1557 Modified C	135.6	6.8	
5377G	7/10/2006	Colex Gray Pit	Granular Borrow	ASTM D-1557 Modified A	127.7	8.3	

Elevation Notes:

Comments:

  
 Reviewed By



**S.W. COLLE**  
ENGINEERING, INC.

# Report of Field Density ASTM D2922

Project: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING

Project Number: 05-0623.1

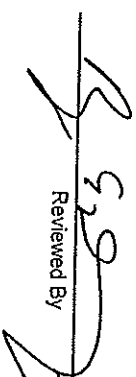
Client: CHESTNUT STREET LOFTS, LLC

## Field Density Test Results

Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
73	7/25/2006	DAC	BETWEEN A + B / 5 + 6	56.0'	12	4892G	132.6	4.3	97.8	95

## Laboratory Compaction Test Reference

Lab ID	Date Received	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
4892G	4/21/2006	Colex Quarry	Structural Fill	ASTM D-1557 Modified C	135.6	5.8	
Elevation Notes: _____							
Comments: _____							

  
 Reviewed By



**S.W. COLE**  
ENGINEERING, INC.

# Report of Field Density

**ASTM D2922**

Project: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING

Project Number: 05-0623.1

Client: CHESTNUT STREET LOFTS, LLC

## Field Density Test Results

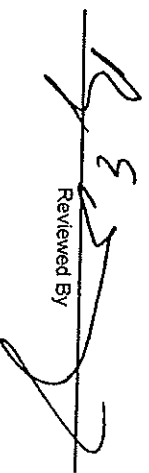
Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
78	7/27/2006	JLD	A-A.3, 4-6	56'	10	4892G	134.5	5.2	99.2	95
79	7/27/2006	JLD	A-A.3, 4-6	57'	10	4892G	129.0	3.9	95.1	95
80	7/27/2006	JLD	E 6	55'	10	4892G	131.3	4.2	96.8	92
81	7/27/2006	JLD	E 6	56'	10	4892G	133.4	3.5	98.4	95

## Laboratory Compaction Test Reference

Lab ID	Date Received	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
4892G	4/21/2006	Colex Quarry	Structural Fill	ASTM D-1557 Modified C	135.6	6.8	

Elevation Notes: \_\_\_\_\_

Comments: \_\_\_\_\_

Reviewed By 



# Report of Field Density

## ASTM D2922

Project: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING

Project Number: 05-0623.1

Client CHESTNUT STREET LOFTS, LLC

### Field Density Test Results

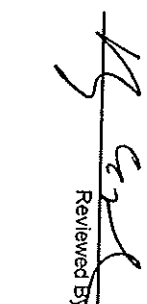
Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
82	8/11/2006	CKT	0 + 24 10' LEFT	TOS	8	5000G	130.8	4.3	95.4	95
83	8/11/2006	CKT	0 + 48 10' LEFT	TOS	8	5000G	135.0	4.1	98.5	95
84	8/11/2006	CKT	0 + 72 15' LEFT	TOS	8	5000G	133.0	3.4	97.0	95
85	8/11/2006	CKT	0 + 90 15' LEFT	TOS	8	5000G	130.7	4.3	95.3	95
86	8/11/2006	CKT	0 + 135 10' RIGHT	TOS	8	5000G	133.2	3.8	97.2	95
87	8/11/2006	CKT	0 + 20 5' RIGHT	TOS	8	5000G	134.5	3.7	98.1	95
88	8/11/2006	CKT	0 + 96 2' RIGHT	TOS	8	5000G	133.0	3.7	97.0	95
89	8/11/2006	CKT	0 + 72 10' RIGHT	TOS	8	5000G	132.4	3.3	96.6	95
90	8/11/2006	CKT	0 + 48 15' RIGHT	TOS	8	5000G	134.4	3.0	98.0	95
91	8/11/2006	CKT	0 + 24 10' RIGHT	TOS	8	5000G	131.5	3.8	95.9	95
92	8/11/2006	CKT	0 + 130 10' LEFT	TOS	8	5000G	131.7	3.0	96.1	95

### Laboratory Compaction Test Reference

Lab ID	Date Received	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
5000G	5/5/2006	Colex Quarry	Aggregate Subbase (TYPE D)	ASTM D-1557 Modified C	137.1	5.7	

Elevation Notes:  
TOS = TOP OF SUBGRADE

Comments:

Reviewed By 



**S.W. COLLE**  
ENGINEERING, INC.

# Report of Field Density ASTM D2922

Project: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING

Project Number: 05-0623.1

Client: CHESTNUT STREET LOFTS, LLC

## Field Density Test Results

Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture		Compaction		Required Compaction
								Content Percent	Percent	Percent	Percent	
93	9/27/2006	JRD	SIDEWALK NROTH	SB	12	5000G	130.9	3.5		95.5		95
94	9/27/2006	JRD	PLANTER BED NORTH	SB	12	5000G	128.2	4.2		93.5		90
95	9/27/2006	JRD	PLANTER BED SOUTH	SB	12	5000G	132.6	4.6		96.7		90
96	9/27/2006	JRD	SIDEWALK SOUTH	SB	12	5000G	130.8	3.5		95.4		95

## Laboratory Compaction Test Reference

Lab ID	Date Received	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
5000G	5/5/2006	Colex Quarry	Aggregate Subbase (TYPE D)	ASTM D-1557 Modified C	137.1	5.7	

Elevation Notes: \_\_\_\_\_  
Comments: \_\_\_\_\_

Reviewed By



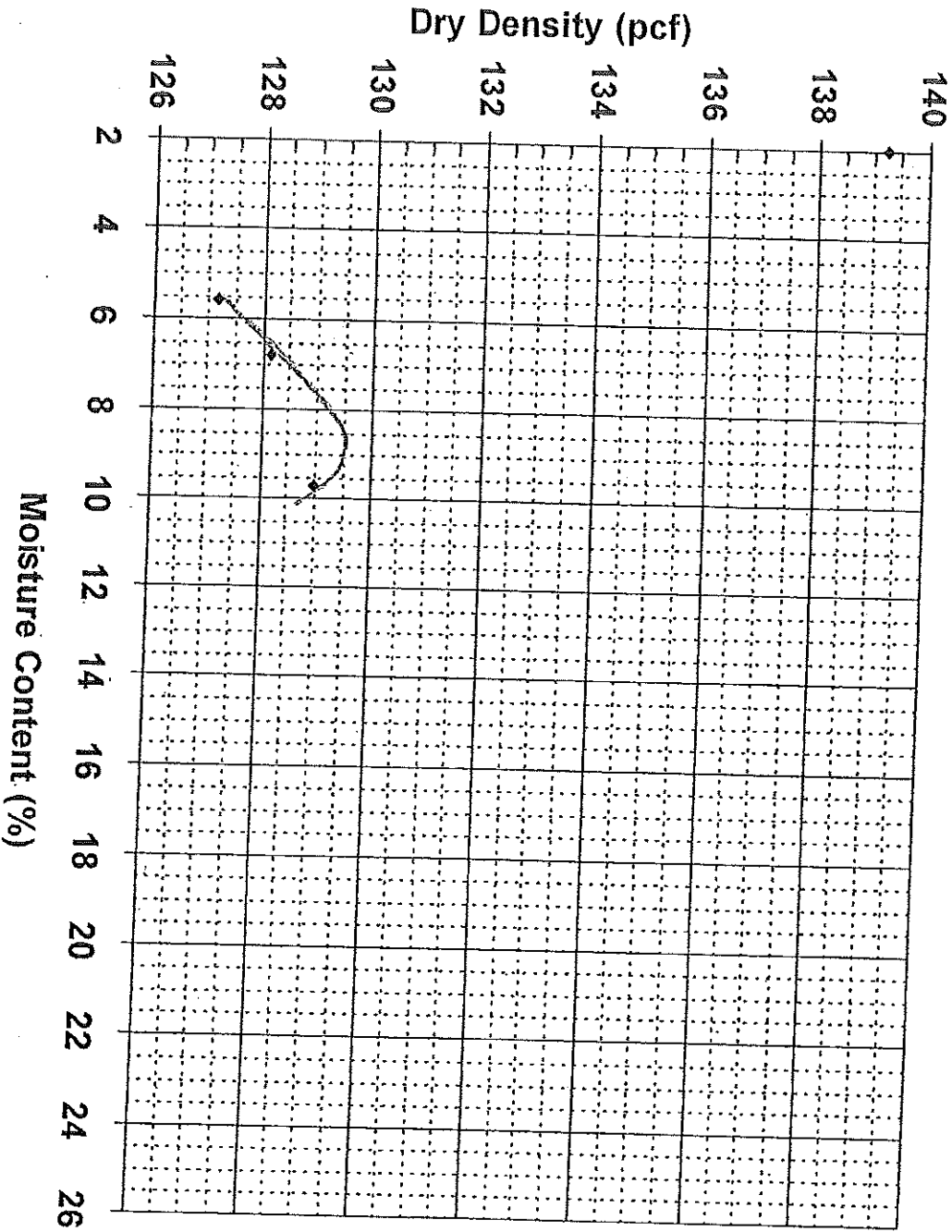
**S.W. COLLE**  
ENGINEERING, INC.

# Report of Moisture-Density

Method ASTM D-1557 MODIFIED Procedure C

Project Name	PORTLAND - CUMBERLAND AVENUE CONDOS - MATERIALS TESTING	Project Number	05-0623.1
Client	CMCS/LLC	Lab ID	4892G
Material Type	STRUCTURAL FILL	Date Received	4/21/2006
Material Source	COLEX QUARRY	Date Completed	4/24/2006
		Tested By	JUSTIN BISSON

## Moisture-Density Relationship Curve



Maximum Dry Density (pcf)	129.5
Optimum Moisture Content (%)	8.5
Percent Oversized	25.6%
<u>Corrected Dry Density (pcf)</u>	<u>135.6</u>
<u>Corrected Moisture Content (%)</u>	<u>6.8</u>

Comments

286 Portland Road, Gray, ME 04039-9586 • Tel (207) 657-2866 • Fax (207) 657-2840 • [www.swcollege.com](http://www.swcollege.com)

Roger E. Domingo





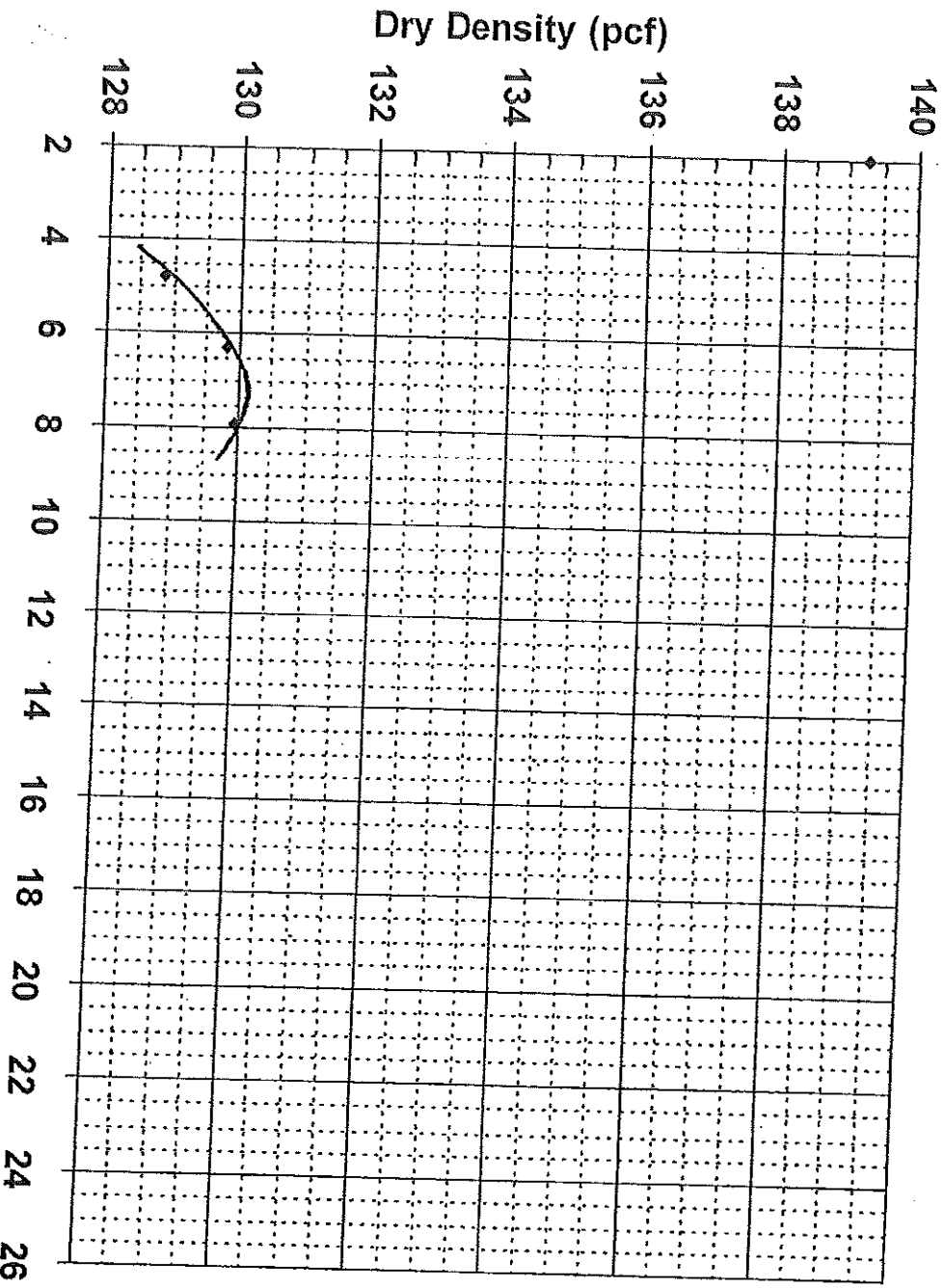
**S.W. COLLE**  
ENGINEERING, INC.

# Report of Moisture-Density

Method ASTM D-1557 MODIFIED Procedure C

Project Name	PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING	Project Number	05-0623.1
Client	CHESTNUT STREET LOFTS, LLC	Lab ID	5000G
Material Type	AGGREGATE SUBBASE (TYPE D)	Date Received	5/5/2006
Material Source	COLEX QUARRY	Date Completed	5/8/2006
		Tested By	JUSTIN BISSON

## Moisture-Density Relationship Curve



Maximum Dry Density (pcf)	130.1	Corrected Dry Density (pcf)	137.1
Optimum Moisture Content (%)	7.2	Corrected Moisture Content (%)	5.7
Percent Oversized	29.6%		

Comments

*Rogger E. Domingo*  
 Rogger E. Domingo  
 286 Portland Road, Gray, ME 04039-9586 • Tel (207) 657-2866 • Fax (207) 657-2840 • www.swcole.com



**S.W. COLE**  
ENGINEERING, INC.

**Report of Concrete Compressive Strength**

ASTM C-31 & C-39

Project Name: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS      Project Number: 05-0623.1  
TESTING

Client: CHESTNUT STREET LOFTS, LLC

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

**PLACEMENT INFORMATION**

Date Cast: 5/22/2006      Time Cast: 3:00

Date Received: 5/23/2006

Placement Location: FOOTINGS - A.3 ON I TO C ON I LINE    A.3 ON I TO S LINE, AS TO B LINE + 20'

Placement Method: PUMP

Placement Vol. (yds<sup>3</sup>): 29

Cylinders Made By: KLG

Aggregate Size (in): 3/4

**INITIAL CURING CONDITIONS**

Temperatures

Minimum (°F)      Maximum (°F)

Admixtures: POLYHEED 997

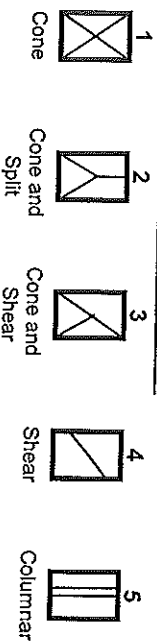
**TEST RESULTS**

Slump (in) (C-143): 4.5  
Air Content (%) (C-231): 5.8  
Air Temp (°F): 60  
Conc. Temp (°F) (C-1064): 60

Load Number: 1  
Mixer Number: 186  
Ticket Number: 4521011  
Cubic Yards: 10  
Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area (in <sup>2</sup> )	Date Of Test	Age (days)	Fracture Type	Load (kips)	Strength (psi)
628-1A	6.00	6.00	28.27	5/29/2006	7	4	106.0	3750
628-1B				6/19/2006	28			
628-1C				6/19/2006	28			
628-1D				Hold	Lab			

Fracture Types



Remarks:



**S.W. COLE**  
ENGINEERING, INC.

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - CHESTNUT STREET LOFTS - MATERIALS    Project Number: 05-0623.1  
TESTING

Client: CHESTNUT STREET LOFTS, LLC    Client Contract Number:

General Contractor:    Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 5/31/2006    Time Cast: 11:52    Date Received: 6/1/2006

Placement Location: FOUND WALL 5'N OF C/1 TO 14'S OF A.3/5 ; FOOTING 4'S OF C/1 TO D.2/5

Placement Method: PUMP

Cylinders Made By: DAC

Placement Vol. (yd<sup>3</sup>): 59

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F)    Maximum (°F)

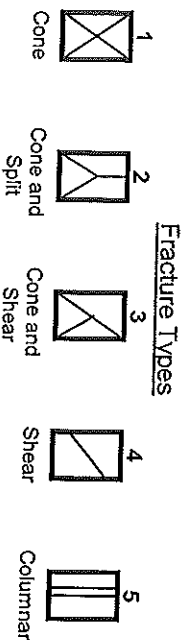
DELIVERY INFORMATION

Admixtures: POLYHEED 997

TEST RESULTS

Slump (in) (C-143):    Slump WR: 5.25    Load Number: 3  
Air Content (%) (C-231):    Air WR: 6.7    Mixer Number: 169  
Air Temp (°F): 65    Ticket Number: 4521232  
Conc. Temp (°F) (C-1064): 70    Cubic Yards: 10  
Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area (in) <sup>2</sup>	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
628-2A	6.00	6.00	28.27	6/7/2006	Lab	7	4	74.0	2620
628-2B				6/28/2006	Lab	28			
628-2C				6/28/2006	Lab	28			
628-2D				Hold	Lab				



Remarks:



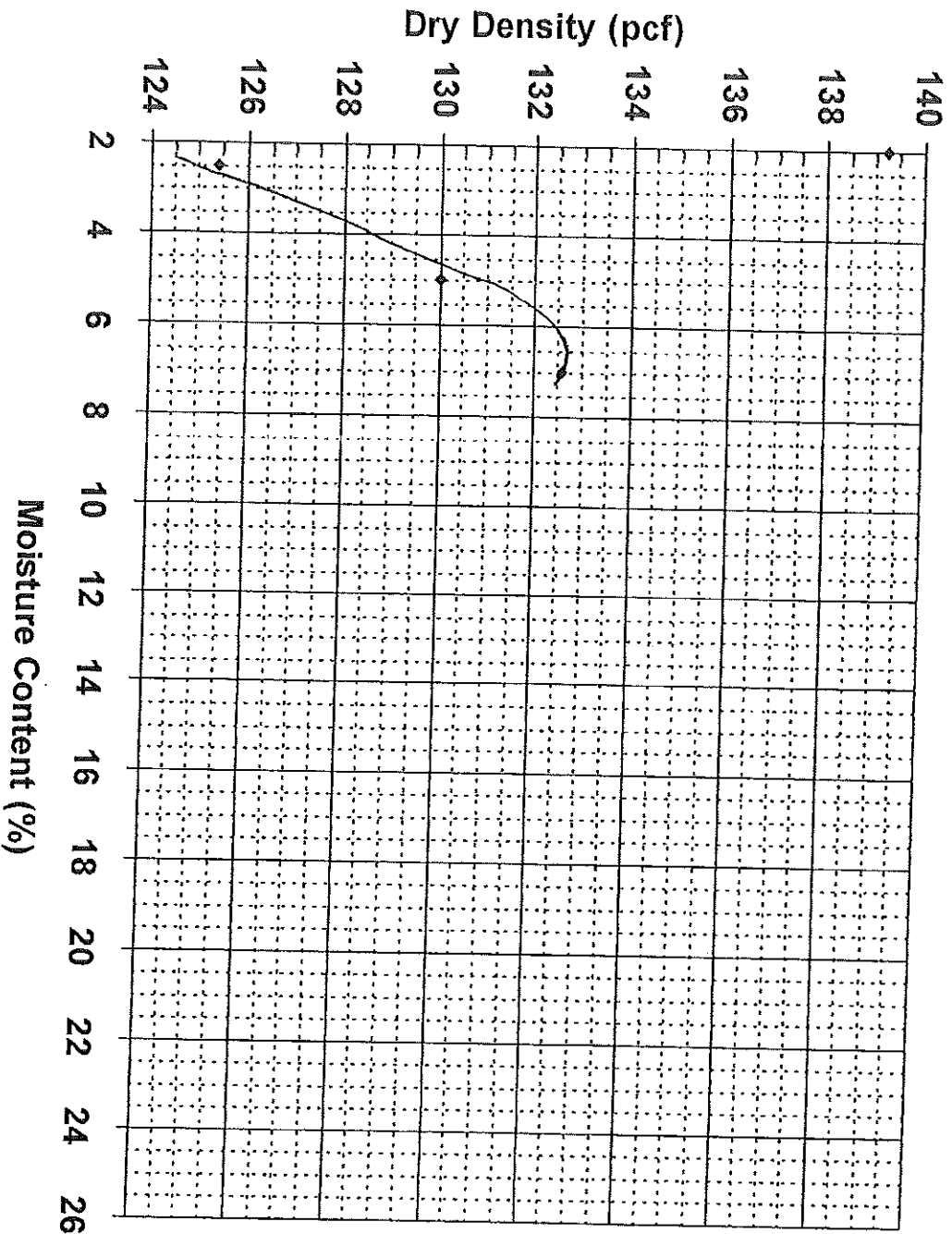
**S.W. COLE**  
ENGINEERING, INC.

# Report of Moisture-Density

Method ASTM D-1557 MODIFIED Procedure C

Project Name	PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING	Project Number	05-0623.1
Client	CHESTNUT STREET LOFTS, LLC	Lab ID	5214G
Material Type	STRUCTURAL FILL	Date Received	6/19/2006
Material Source	COLEX PIT	Date Completed	6/21/2006
		Tested By	JUSTIN BISSON

## Moisture-Density Relationship Curve



Maximum Dry Density (pcf)	132.65	<u>Corrected Dry Density (pcf)</u>	<u>139.3</u>
Optimum Moisture Content (%)	6.45	<u>Corrected Moisture Content (%)</u>	<u>5.1</u>
Percent Oversized	30.0%		

Comments

*R. E. Domingo*  
 Roger E. Domingo



**S.W. COLLE**  
ENGINEERING, INC.

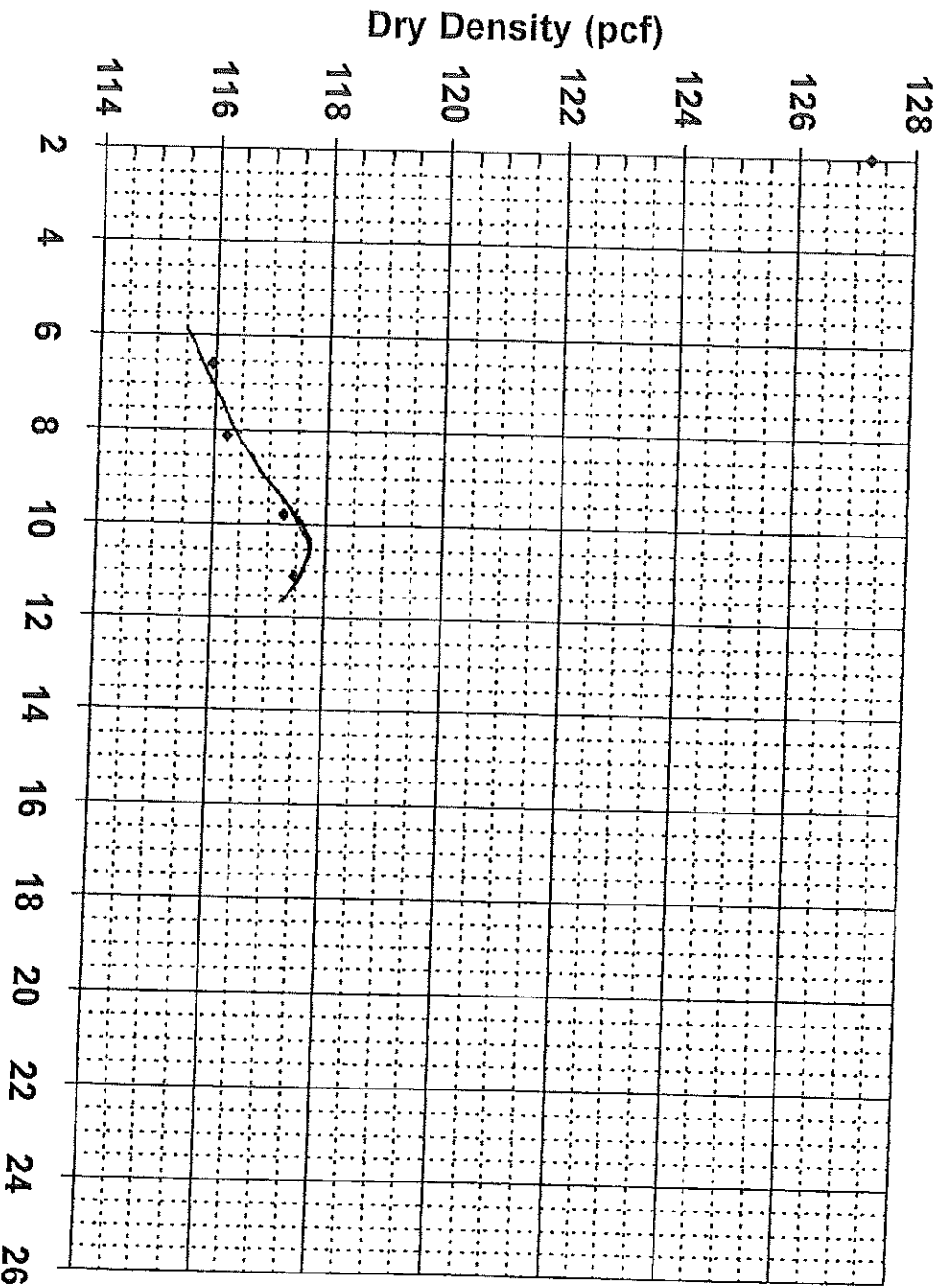
# Report of Moisture-Density

Method ASTM D-1557 MODIFIED Procedure A

Project Name	PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING	Project Number	05-0623.1
Client	CHESTNUT STREET LOFTS, LLC	Lab ID	5232G
Material Type	STRUCTURAL FILL	Date Received	6/21/2006
Material Source	EXISTING FILL FROM YARMOUTH	Date Completed	6/26/2006

Tested By **DEREK SILSBY**

## Moisture-Density Relationship Curve



Maximum Dry Density (pcf)	117.9	<u>Corrected Dry Density (pcf)</u>	<u>121</u>
Optimum Moisture Content (%)	10.5	<u>Corrected Moisture Content (%)</u>	<u>9.6</u>
Percent Oversized	10.2%		

Comments

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*Roger E. Domingo*  
 Roger E. Domingo



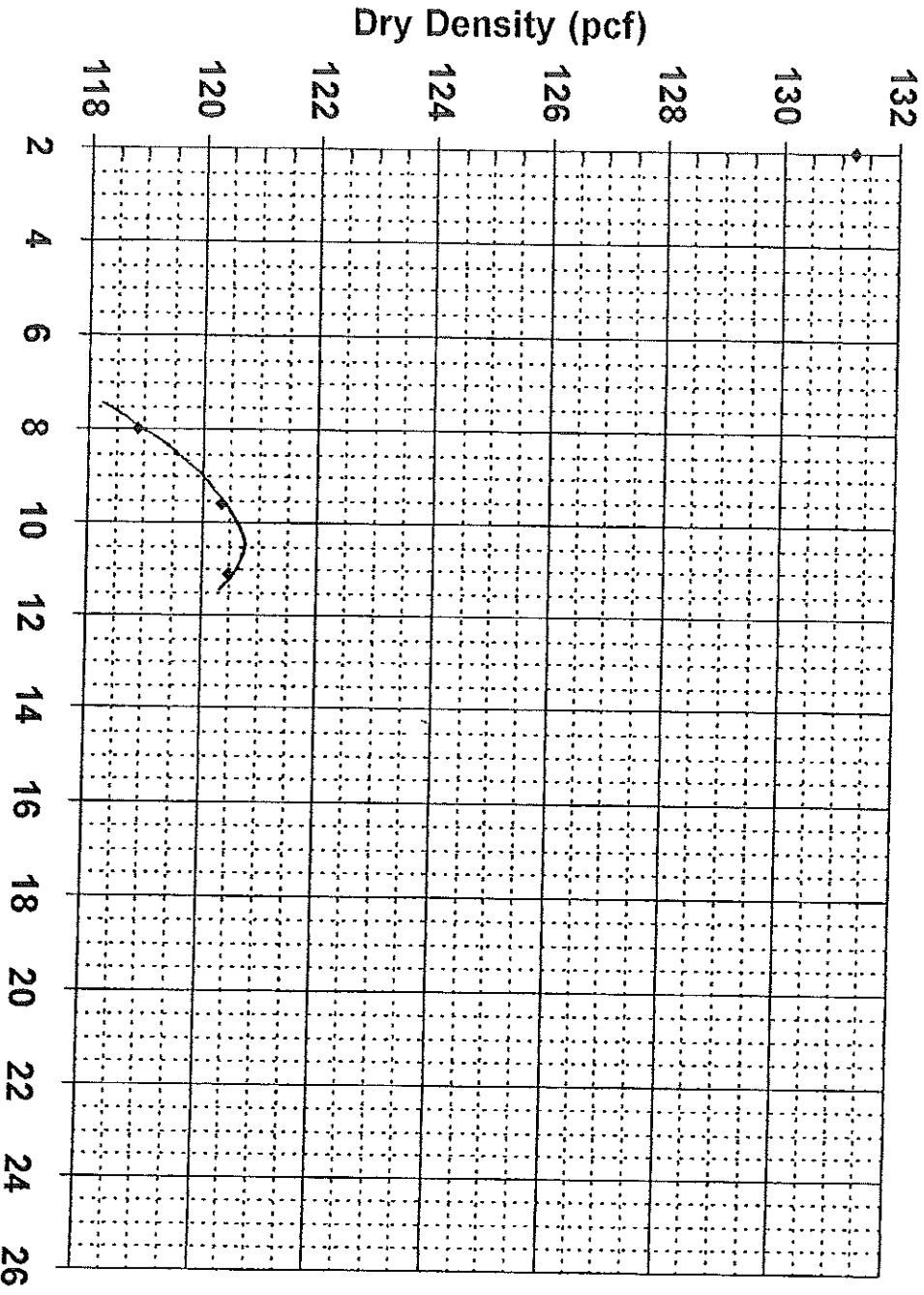
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# Report of Moisture-Density

Method ASTM D-1557 MODIFIED Procedure B

Project Name	SCARBOROUGH - AMBULATORY SURGICAL CENTER - MATERIALS TESTING	Project Number	05-1238
Client	MAINE MEDICAL CENTER	Lab ID	5236G
Material Type	6" MINUS	Date Received	6/21/2006
Material Source	LARRABEE FARMS (GRONDIN)	Date Completed	6/27/2006
		Tested By	DEREK SILSBY

## Moisture-Density Relationship Curve



Maximum Dry Density (pcf) 120.75  
 Optimum Moisture Content (%) 10.5  
 Percent Oversized 9.5%

Corrected Dry Density (pcf) 123.5  
 Corrected Moisture Content (%) 9.7

Comments

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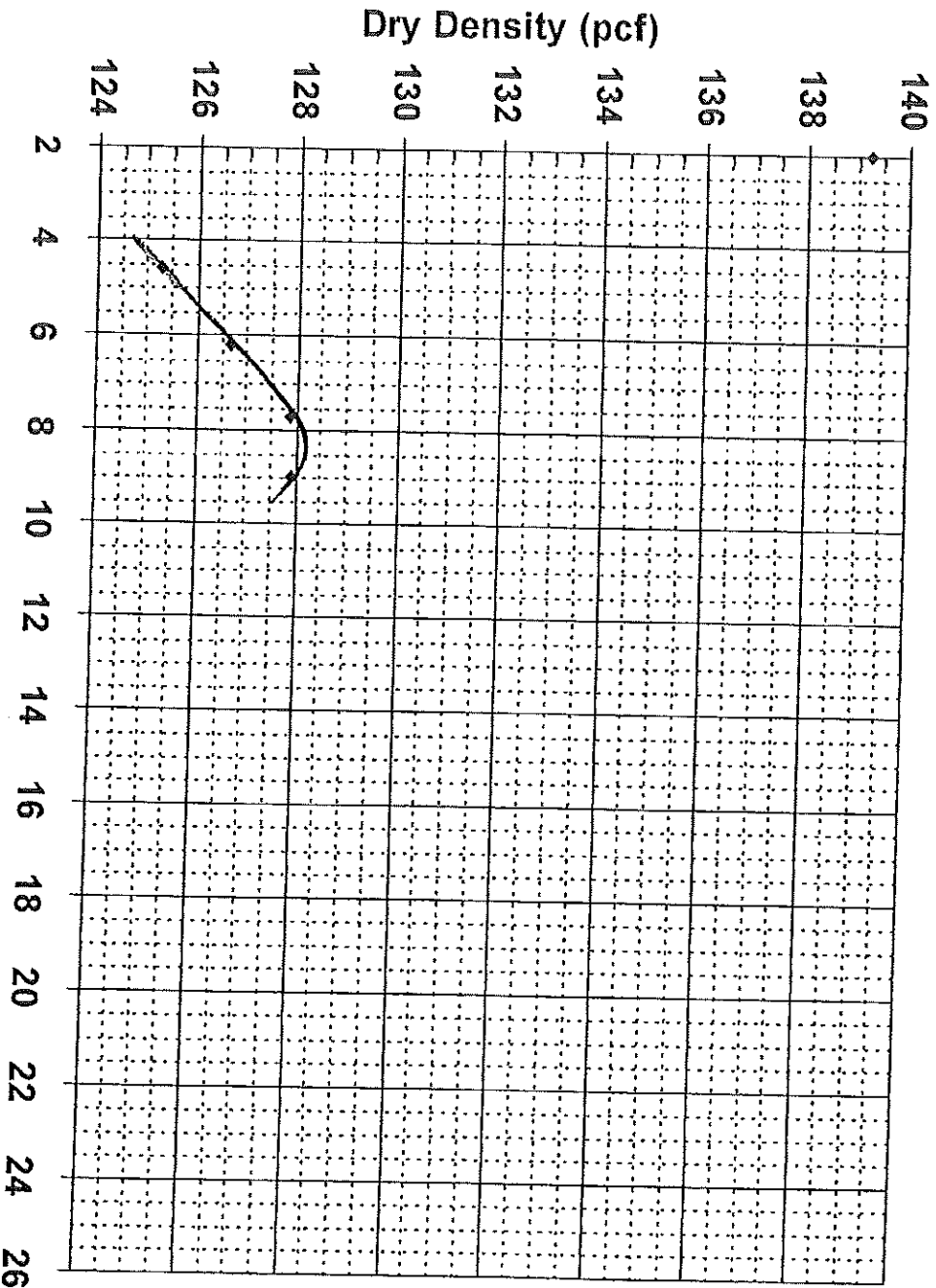
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# Report of Moisture-Density

Method ASTM D-1557 MODIFIED Procedure C

Project Name	PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING	Project Number	05-0623.1
Client	CHESTNUT STREET LOFTS, LLC	Lab ID	5268G
Material Type	STRUCTURAL FILL	Date Received	6/26/2006
Material Source	BLENDED ONSITE	Date Completed	6/27/2006
		Tested By	DEREK SILSBY

## Moisture-Density Relationship Curve



Maximum Dry Density (pcf)	128.3	Corrected Dry Density (pcf)	<u>133.4</u>
Optimum Moisture Content (%)	8.4	Corrected Moisture Content (%)	<u>7.1</u>
Percent Oversized	20.7%		

Comments

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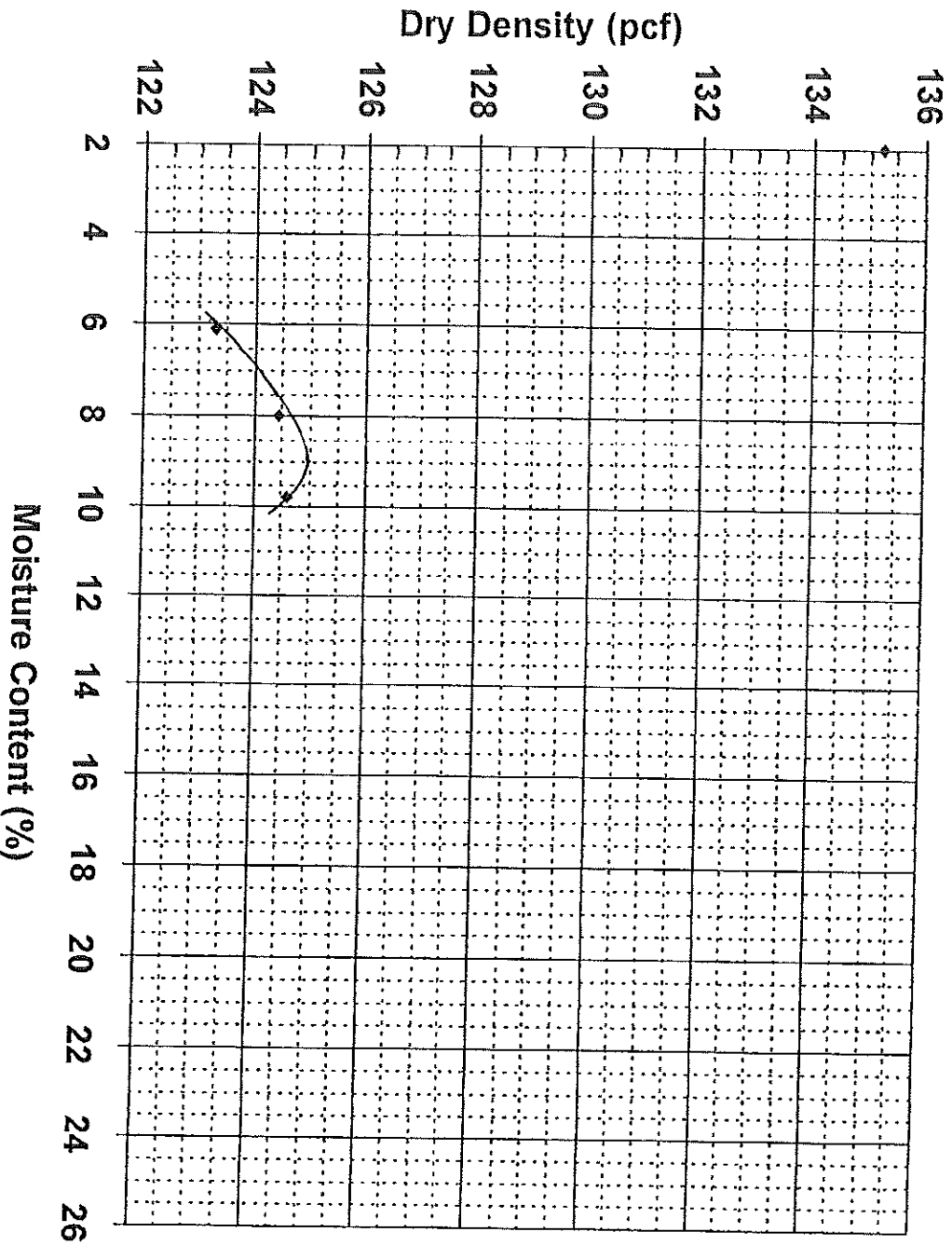


# Report of Moisture-Density

Method ASTM D-1557 MODIFIED Procedure A

Project Name	PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING	Project Number	05-0623.1
Client	CHESTNUT STREET LOFTS, LLC	Lab ID	5377G
Material Type	GRANULAR BORROW	Date Received	7/10/2006
Material Source	COLEX GRAY PIT	Date Completed	7/13/2006
		Tested By	JASON DUTREMBLE

## Moisture-Density Relationship Curve



Maximum Dry Density (pcf) 125  
 Optimum Moisture Content (%) 9  
 Percent Oversized 10.3%

Corrected Dry Density (pcf) 127.7  
 Corrected Moisture Content (%) 8.3

Comments

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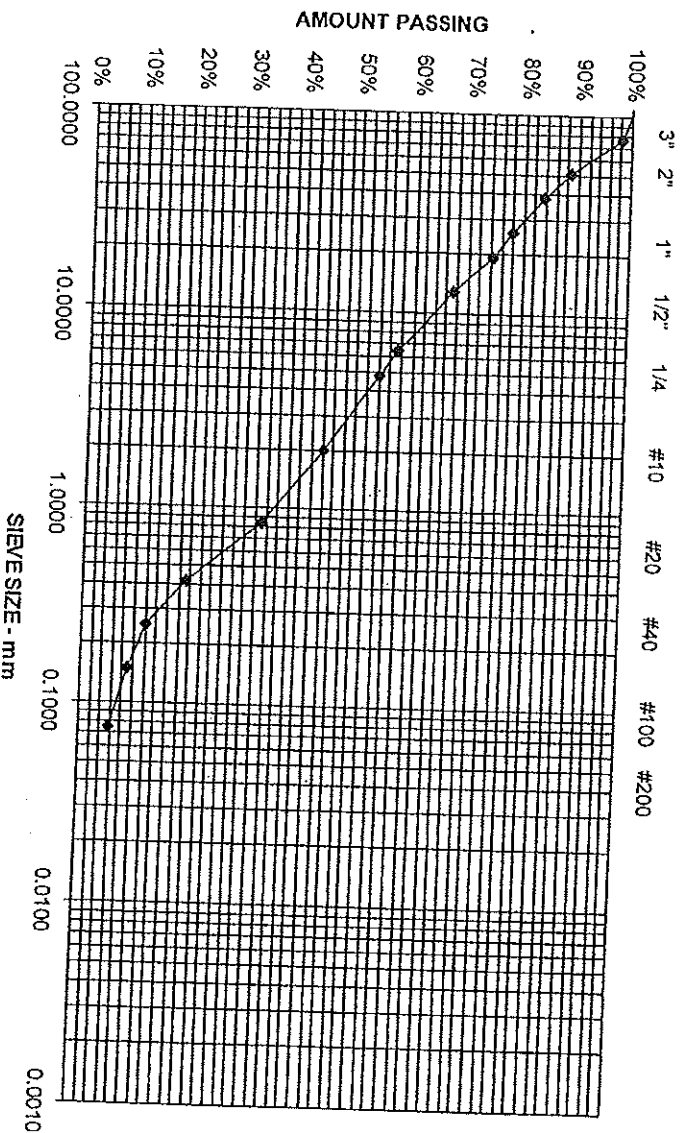
# Report of Gradation

ASTM C-117 & C-136

Project Name PORTLAND - CUMBERLAND AVENUE CONDOS - MATERIALS  
 TESTING  
 Client CMCS/LLC  
 Material Type STRUCTURAL FILL  
 Material Source COLEX QUARRY

Project Number 05-0623.1  
 Lab ID 4892G  
 Date Received 4/21/2006  
 Date Complete 4/24/2006  
 Tested By JUSTIN BISSON

STANDARD DESIGNATION (mm/um)	SIEVE SIZE	AMOUNT PASSING (%)	SPECIFICATIONS (%)
150 mm	6"	100	
125 mm	5"	100	
100 mm	4"	100	
75 mm	3"	98	
50 mm	2"	89	
38.1 mm	1-1/2"	84	
25.0 mm	1"	78	
19.0 mm	3/4"	74	
12.5 mm	1/2"	67	
6.3 mm	1/4"	57	
4.75 mm	No. 4	54	
2.00 mm	No. 10	44	
850 um	No. 20	33	
425 um	No. 40	19	
250 um	No. 60	12	
150 um	No. 100	9	
75 um	No. 200	5.8	



Comments

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# Report of Gradation

ASTM C-117 & C-136

Project Name PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING

Project Number 05-0623.1

Client CHESTNUT STREET LOFTS, LLC

Lab ID 5232G

Material Type STRUCTURAL FILL

Date Received 6/21/2006

Material Source EXISTING FILL FROM YARMOUTH

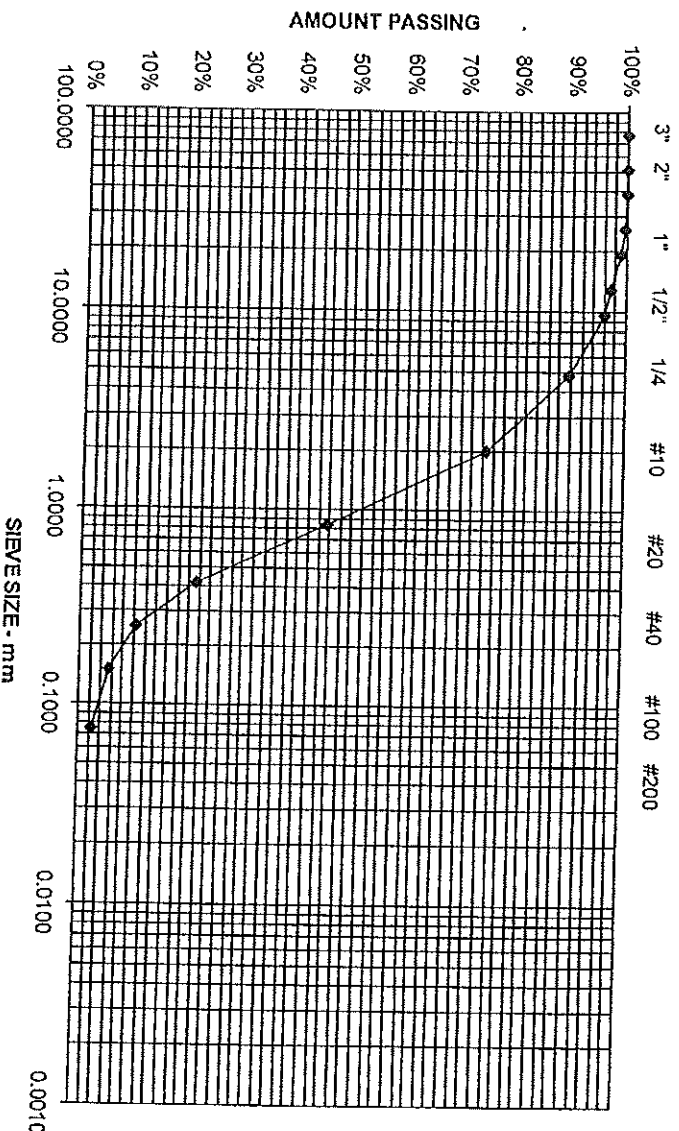
Date Complete 6/26/2006

Tested By JUSTIN BISSON

### STANDARD

DESIGNATION (mm/µm)	SIEVE SIZE	AMOUNT PASSING (%)	SPECIFICATIONS (%)
150 mm	6"	100	
125 mm	5"	100	
100 mm	4"	100	
75 mm	3"	100	
50 mm	2"	100	
38.1 mm	1-1/2"	100	
25.0 mm	1"	100	
19.0 mm	3/4"	99	
12.5 mm	1/2"	97	
9.5 mm	3/8"	96	85 - 100
4.75 mm	No. 4	90	
2.00 mm	No. 10	75	
850 µm	No. 20	46	
425 µm	No. 40	21	
250 µm	No. 60	10	
150 µm	No. 100	5	
75 µm	No. 200	2.6	0.0 - 5.0

### PIPE BEDDING



Comments

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Roger E. Domingo  
*[Signature]*



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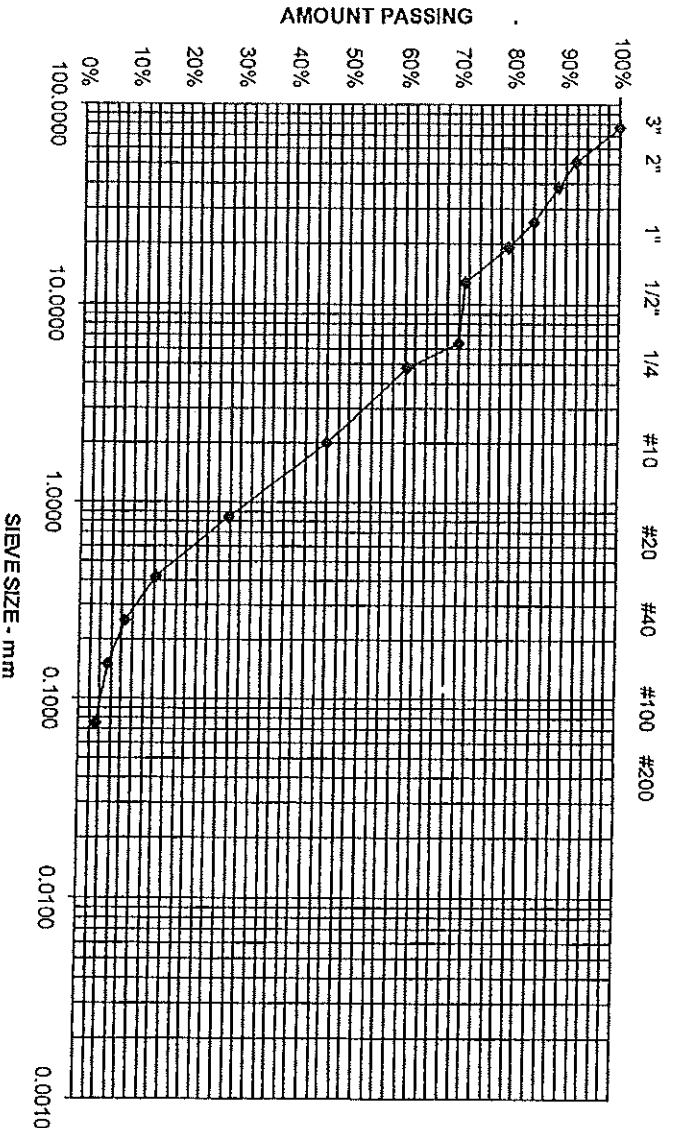
# Report of Gradation

ASTM C-117 & C-136

Project Name PORTLAND - CHESTNUT STREET LOFTS - MATERIALS TESTING  
Client CHESTNUT STREET LOFTS, LLC  
Material Type STRUCTURAL FILL  
Material Source BLENDED ONSITE

Project Number 05-0623.1  
Lab ID 5268G  
Date Received 6/26/2006  
Date Complete 6/26/2006  
Tested By KATIE GUSTAFSON

STANDARD DESIGNATION (mm/um)	SIEVE SIZE	AMOUNT PASSING (%)	SPECIFICATIONS (%)
150 mm	6"	100	
125 mm	5"	100	
100 mm	4"	100	
75 mm	3"	100	
50 mm	2"	92	
38.1 mm	1-1/2"	89	
25.0 mm	1"	84	
19.0 mm	3/4"	79	
12.5 mm	1/2"	71	
6.3 mm	1/4"	70	
4.75 mm	No. 4	61	
2.00 mm	No. 10	46	
850 um	No. 20	28	
425 um	No. 40	14	
250 um	No. 60	8	
150 um	No. 100	5	
75 um	No. 200	3.2	



Comments

*R. E. Domingo*  
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