S.W.COLE ENGINEERING, INC.

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: Portland Me - The Park Danforth - Construction Materials Testing Services

Project Number: 14-0065.2

Client: The Park-Danforth

Client Contract Number:

General Contractor:

Concrete Supplier: AUBURN CONCRETE

PLACEMENT INFORMATION

Date Cast: 12/17/2015 **Time Cast:** 10:10 **Date Received:** 12/18/2015

Placement Location: TIE BEAM LINE 4 / WALL LINE E-F / WALL

Placement Method: PUMP

Cylinders Made By: AIDAN BOYCE

Placement Vol. (yd³): 31

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) 41 **Maximum (°F)** 64

DELIVERY INFORMATION

Admixtures: MASTER AIR
GLENIUM
SUPER PLASTICIZER

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 6 1/4

Air Content (%) (C-231) **Air WR:** 6.2

Air Temp (°F): 43

Conc. Temp (°F) (C-1064): 68

Load Number: 1

Mixer Number: 144

Ticket Number 282582

Cubic Yards: 10

Design (psi): **3500**

Batch 9:00

Arrive 9:25

Depart 10:25

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)**
730-13A	8.40	4.01	12.63	12/24/2015	Lab	**7**	4	55.2	**4370**
730-13B	8.30	4.01	12.63	1/14/2016	Lab	**28**	5	65.6	**5200**
730-13C	8.40	4.02	12.69	1/14/2016	Lab	**28**	4	65.6	**5170**
730-13D	8.40			Hold	Lab				

Fracture Types

1 Cone both ends; 2 Cone one end w/ split; 3 Columnar; 4 Diagonal; 5 Side at top or bottom; 6 Pointed End

Remarks:

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