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: 3/30/2016 **Time Cast:** 7:40 **Date Received:** 3/31/2016

Placement Location: SLAB ON GRADE: ELECTRICAL ROOMS, OILER ROOM, GARAGE: LINE F TO H, 7 TO 11

Placement Method: PUMP + BUGGY

Cylinders Made By: VAN TERRELL, JR.

Placement Vol. (yd³): 90

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: MASTER GLENIUM
MASTER AIR
MASTER SET
FIBER

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 5.5

Air Content (%) (C-231) **Air WR:** 2.7

Air Temp (°F): 27

Conc. Temp (°F) (C-1064): 58

Load Number: 1

Mixer Number: 84

Ticket Number 293664

Cubic Yards: 10

Design (psi): **3000**

Batch 6:22

Arrive 7:00

Depart 7:46

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)**
730-43A	8.50	3.98	12.45	4/6/2016	Lab	**7**	4	45.8	**3680**
730-43B	8.50	3.99	12.51	4/27/2016	Lab	**28**	5	53.0	**4240**
730-43C	8.55	4.01	12.64	4/27/2016	Lab	**28**	4	56.8	**4500**
730-43D	8.60			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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