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: 1/6/2016 **Time Cast:** 11:45 **Date Received:** 1/7/2016

Placement Location: FOUNDATION FOOTING: ON 1, 1.1 & 1.4 FROM B TO C
FOUNDATION WALLS: ON D LINE FROM 1.7 TO 3 LINE

Placement Method: CONVEYOR TRUCK W/ TREMIE

Placement Vol. (yd³): 50

Cylinders Made By: NEIL DAVIS

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) 55 **Maximum (°F)** 64

DELIVERY INFORMATION

Admixtures: MASTER AIR
MASTER GLENIUM
MASTER SET

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 6

Air Content (%) (C-231) **Air WR:** 6.5

Air Temp (°F): 29

Conc. Temp (°F) (C-1064): 60

Load Number: 2

Mixer Number: 160

Ticket Number 285247

Cubic Yards: 10

Design (psi): **3500**

Batch 11:02

Arrive 11:30

Depart 12:00

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)**
730-19A	8.30	4.00	12.53	1/13/2016	Lab	**7**	5	43.4	**3460**
730-19B	8.35	4.00	12.57	2/3/2016	Lab	**28**	4	51.6	**4110**
730-19C	8.30	4.00	12.56	2/3/2016	Lab	**28**	4	54.0	**4300**
730-19D	8.30			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:

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