S.W.COLE ENGINEERING, INC.

Concrete Construction Observation Report

Project Name/Location:	Clark Insurance/ 1945 Congress Street, Portland	**Project No:**	16-1446
Client/Client's Rep.:	Northland Management Corp. / Brad Fries	**Date:**	5-23-17
Concrete Contractor:	N.S. Giles	**Sheet:**	1 of 1
Placement Location:	Foundation: F/1 to C/1, C line, C/2 to A/2, ~50' of A line	**S.W.COLE Rep.:**	J.Moore
Weather:	Sunny 65°F	**On Site:**	12:45p – 3:30p

Pre Placement Observations	**In Compliance**		**N/O**	**Comments**
Bar size and location (diameter, length, bend and coverage)	Yes ☒	No ☐	☐	See notes
Splicing (type, overlap)	Yes ☒	No ☐	☐	Per Plan
Stability (wiring, chairs, and spacers)	Yes ☒	No ☐	☐	Pizza wheels, wire
Reinforcement conditions (cleanliness, temperature etc.)	Yes ☒	No ☐	☐	Clean, clear
Embedments and anchor bolts installed	Yes ☒	No ☐	☐	3/4", 4" proj.
Soil subgrade prepared in accordance with project specifications	Yes ☐	No ☐	☒	

Referenced Drawings	**Date**	**Page(s)**	**Rev.**	**ASTM**	**GRADE**
General notes	10-06-16	S1.0		**A 615** ☒	**40** ☐ **50** ☐ **60** ☒
Foundation plan	10-06-16	S1.1		**A 616** ☐	**75** ☐
Sections	10-6-16	S2.0		**A 617** ☐	
Rebar shop	2-17-17	R01B		**A 706** ☐	**A 775 Epoxy** ☐

Concrete Placement Observations	**In Compliance**		**N/O**	**Comments**
Required mix used	Yes ☒	No ☐	☐	4000 W/Air
Concrete properly conveyed to all areas of placement	Yes ☒	No ☐	☐	Tailgate
Internal vibration / consolidation of concrete	Yes ☒	No ☐	☐	Mechanical
Even layering around openings and embedments	Yes ☐	No ☐	☒	
Post placement observations (finishing, curing, etc.)	Yes ☐	No ☐	☒	

Field Testing of Concrete Performed Yes ☒ No ☐ Loads: 4 Yards: 32

***Cylinder Set Number:** 923 - 2 ←**refer to associated concrete test report*

Non-Conformance Items Observed (person notified) Yes ☐ No ☒

Notes:

S.W. COLE was onsite as scheduled by N.S. Giles to perform concrete field testing and reinforcing observations. Reinforcing appeared to consist of #4 at 16" on center with 2 #5 continuous at the top and at the bottom. At the 2/A corner, horizontal reinforcing does not align making it so the corner bars are not tied to the horizontals on end of the corner. All other reinforcing appeared to be consistent with referenced project documents. Auburn concrete supplied the concrete containing air entrainment, and a mid-range water reducer added during the batching process. One mid load sample was obtained from load one for field testing and compressive strength specimens. All tests indicated concrete was being placed in compliance. All results were reported to Tim Rivard of Wright- Ryan.

Attachments: Photos

Reviewed By: Roger E Downey

The S.W.COLE field representative is on-site at the request of our client to provide construction materials testing and to observe and document construction activities. The contractor has sole responsibility for schedule, site safety, methods, completeness and quality control.

S. W. COLE ENGINEERING, INC. CCOR 5-23-17