

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Terracon

Report Number: 70191114.0016
Service Date: 10/07/20
Report Date: 11/04/20 Revision 2 - 28-day results
Task: Concrete Testing

2401 Brentwood Rd Ste 107
Raleigh, NC 27604-3686
919-873-2211 Reg No: F-0869

Client

Venture Properties, L.L.C.
Attn: Brian DeLong
PO Box 843
Wilkesboro, NC 28697-0843

Project

Spout Springs Outparcel
1655 Buffalo Lake Road
Sanford, NC 27332

Project Number: 70191114

Material Information

Specified Strength: 3,000 psi @ 28 days

Mix ID: 30CF000C
Supplier: Concrete Service Company
Batch Time: 0613 Plant: 81
Truck No.: 4328 Ticket No.: 80637

Sample Information

Sample Date: 10/07/20 Sample Time: 0721
Sampled By: Dixon Glenn
Weather Conditions: sunny
Accumulative Yards: 11/12 Batch Size (cy): 11
Placement Method: Chute
Water Added Before (gal):
Water Added After (gal):
Sample Location: NE side of pad
Placement Location: S side covered patio pad

Field Test Data

Test	Result	Specification
Slump (in):	4 1/2	3 1/2 - 4 1/2
Air Content (%):	2.4	0 - 3
Concrete Temp. (F):	70	50 - 90
Ambient Temp. (F):	63	
Plastic Unit Wt. (pcf):	143.0	
Yield (Cu. Yds.):		

Laboratory Test Data

Set No.	Specimen ID	Avg Diam. (in)	Area (sq in)	Date Received	Date Tested	Age at Test (days)	Maximum Load (lbs)	Compressive Strength (psi)	Fracture Type	Tested By
1	A	3.98	12.44	10/08/20	10/14/20	7	41,140	3,310	3	DAS
1	B	3.99	12.5	10/08/20	11/04/20	28	55,090	4,410	2	DAS
1	C	3.99	12.5	10/08/20	11/04/20	28	55,080	4,410	3	DAS
1	D	3.99	12.5	10/08/20	11/04/20	28	55,160	4,410	2	DAS
						Average (28 days)		4,410		
1	E			10/08/20		Hold				

Initial Cure: Onsite Cooler

Final Cure: Moist Room

Comments: Average compressive strength of 28 day cylinders complies with the specified strength.

Samples Made By: Terracon

Services: Sampling, field testing of fresh concrete and cast compressive strength samples. ASTM C-31 followed, except initial maximum and minimum curing temperatures not recorded. DKL=Daryl Lee, DAS=Derrick Sufczynski.

Terracon Rep.: Dixon Glenn

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong

(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk

(1) RAYWEST DESIGNBUILD, Greg West

(1) RAYWEST DESIGNBUILD, Hector Ray

Reviewed By:

Giovanni Castro, P.E.
Senior Engineer

Test Methods: ASTM C 31, ASTM C39, ASTM C42, ASTM C138, ASTM C143, ASTM C172, ASTM C173, ASTM C192, ASTM C231, ASTM C1064, A

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

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Project

Spout Springs Outparcel
1655 Buffalo Lake Road
Sanford, NC 27332

Project Number: 70191114

Services Requested By: David Daughtey with RayWest Design Build

Concrete Contractor: Carolina Concrete Finishing

Concrete Placement: Covered patio pad

Observation Location(s): David Daughtey with RayWest Design Build

Formwork Review: Formwork was reviewed and was observed to be in general accordance with project drawings identified below.

Concrete Type: 3000-psi concrete supplied by Concrete Service Company (Mix ID: 30CF000C)

Method of Placement: Chute

Tests Performed: Concrete slump, air, temperature and unit weight measurements were performed and the results were in accordance with project specifications.

Test Specimens Fabricated: A total of 5 compressive strength specimens [Set No(s): 1] were fabricated during today's concrete activities.

Weather Protection: none

Summary: Based on our observations, cast-in-place concrete construction activities at the above-referenced locations appeared to be completed in general accordance with the project plans and specifications. Results were reported to David Daughtey with RayWest Design Build at the completion of today's activities.

Referenced Drawings: Foundation plan S-2

Services: Sampling, field testing of fresh concrete and cast compressive strength samples. ASTM C-31 followed, except initial maximum and minimum curing temperatures not recorded. DKL=Daryl Lee, DAS=Derrick Sufczynski.

Terracon Rep.: Dixon Glenn

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
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Reviewed By: _____


Giovanni Castro, P.E.

Senior Engineer

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Test

Spout Springs Outparcel	Site Plan: South Covered Patien	
	Report Number: 70191114.0016	
1655 Buffalo Lake Road	Technician: Dixon Glenn	2401 Brentwood Rd Ste 107
Sanford, NC 27332	Date: 10/07/20	Raleigh, NC 27604-3686
	Scale: Not to Scale	919-873-2211 Reg No: F-0869