

DESIGN PROFESSIONAL INSPECTION FORM

RECORD OF THE INSPECTION OF A COMPONENT OR ELEMENT BY A NC LICENSED ARCHITECT OR ENGINEER

Project Information:

Residential Single-Family Project: Y <input checked="" type="checkbox"/>	Commercial Project: <input checked="" type="checkbox"/> N
Code Enforcement Project No:	Permit No: BCOM2002-0002; BCOM2002-0004
Project Name: Shoppes at Summit	Owner: Durban Development
Project Address: 1625 Buffalo Lake Rd., Sanford, NC 27332	Suite No:
Date Inspected: See attached documentation	Contractor Name: RAYWEST DESIGNBUILD, LLC
Component Inspected: See attached documentation	

Responsible Licensed NC Architect or NC Engineer

Name:	
Firm Name:	
Phone Numbers:	Office: Mobile:
Email Address:	
Mailing Address:	

APPLICABLE CODE:

2018 NCBC = 2018 NC Building Code; 2018 NCRC = 2018 NC Residential Code

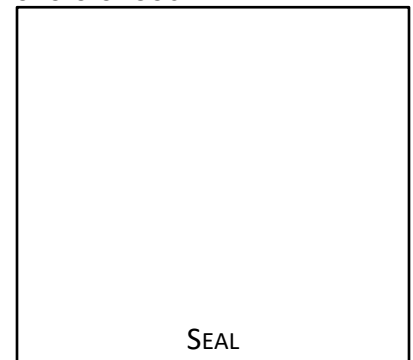
Describe Element/Component/Type of Inspection: *

*(subgrade form/letter may also be required)

Attestation/Signature:

By signing below, I certify that the component and/or element of the building as identified on this form has been inspected by me or someone under my direct supervision per subsection (b2) of NC G.S. 153A-352 and is in compliance with the Code or other proposal of the architect or engineer for the project. This inspection is in compliance with all of the requirements of the above referenced Code. Attach any additional documents if needed.

Licensed Architect or Engineer



Inspection Department disclaimer:

Upon the receipt of a signed written document as required under subsection (a) of Article 160A-413.5., Code Enforcement shall be discharged and released from any liabilities, duties and responsibilities imposed by this article or in common law from any claim arising out of or attributed to the component or element in the construction of the building for which the signed written document was submitted. Be aware that this inspection will be noted in all inspection records including the Certificate of Occupancy or Certificate of Compliance. This inspection does not address any local ordinances or zoning requirements.

FIELD DENSITY TEST REPORT



Report Number: 70191114.0002A
Service Date: 07/17/20
Report Date: 07/17/20
Task: Soils/Foundation

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

Mat. No.	Proctor Ref. No.	Classification and Description	Laboratory Test Method	Lab Test Data		Project Requirements	
				Optimum Water Content (%)	Max. Lab Density (pcf)	Water Content (%)	Compaction (%)
1	70191114.0002	Tan Sand	ASTM D698	12.4	112.4		Min 98

Field Test Data

Test No.	Test Location	Lift / Elev.	Mat. No.	Probe Depth (in)	Wet Density (pcf)	Water Content (pcf)	Water Content (%)	Dry Density (pcf)	Percent Compaction (%)
Building Site									
1	35.3113760N, -79.0426689E	SG	1	10	130.3	15.1	13.1	115.2	100+
2	35.3111970N, -79.0425536E	SG	1	10	128.5	16.1	14.3	112.4	100
3	35.3112851N, -79.0424174E	SG	1	10	127.1	13.7	12.1	113.4	100+
4	35.3112851N, -79.0424174E	SG	1	10	127.8	14.3	12.6	113.5	100+

Datum: Nuclear Gauge

Std. Cnt. M: 810 Std. Cnt. D: 2633

S/N: 816 Make: Instrotek

Model: Xplorer 3500

Last Cal. Date: 06/08/2020

Comments: Test and/or retest results on this report meet project requirements as noted above.

Services: Perform in-place density and moisture content tests to determine degree of compaction and material moisture condition.

Terracon Rep.: Suman Uprety

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 D698, ASTM D6938, VTM-1

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.

FIELD DENSITY TESTING REPORT

Report Number: 70191114.0002A
Service Date: 07/17/20
Report Date: 07/17/20
Task: Soils/Foundation

Terracon

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

Services Requested By: RayWest Design Build
Earthwork Contractor: Highland Grading Company
Observed Location(s): Building Site
Subgrade Review: Prior to the placement of fill the subgrade was reviewed and consisted of Brownsih Silt. The subgrade was observed to be firm and stable.
Fill Type Placed: Structural Fill
Proctor No.(s): 70191114.0002
Fill Description: Tand Sand
Source Of Fill: Imported from Lexington Plantation
Fill Placement: Compactive efforts were applied with a vibratory sheepsfoot roller and vibratory smooth-drum roller. The fill placed appeared firm and stable during the application of compactive efforts.
Field Density Test Results: Field density tests were conducted on the previously placed fill utilizing the nuclear method (ASTM D6938). 4 field density tests were performed. The test results met the minimum specified 98% compaction requirement as compared to ASTM D698. Refer to the attached Field Density Test Summary for individual test data.
Reported To: David Daughtey with RayWest Design Build

Services: Perform in-place density and moisture content tests to determine degree of compaction and material moisture condition.

Terracon Rep.: Suman Uprety

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
(1) RAYWEST DESIGNBUILD, Greg West

(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray

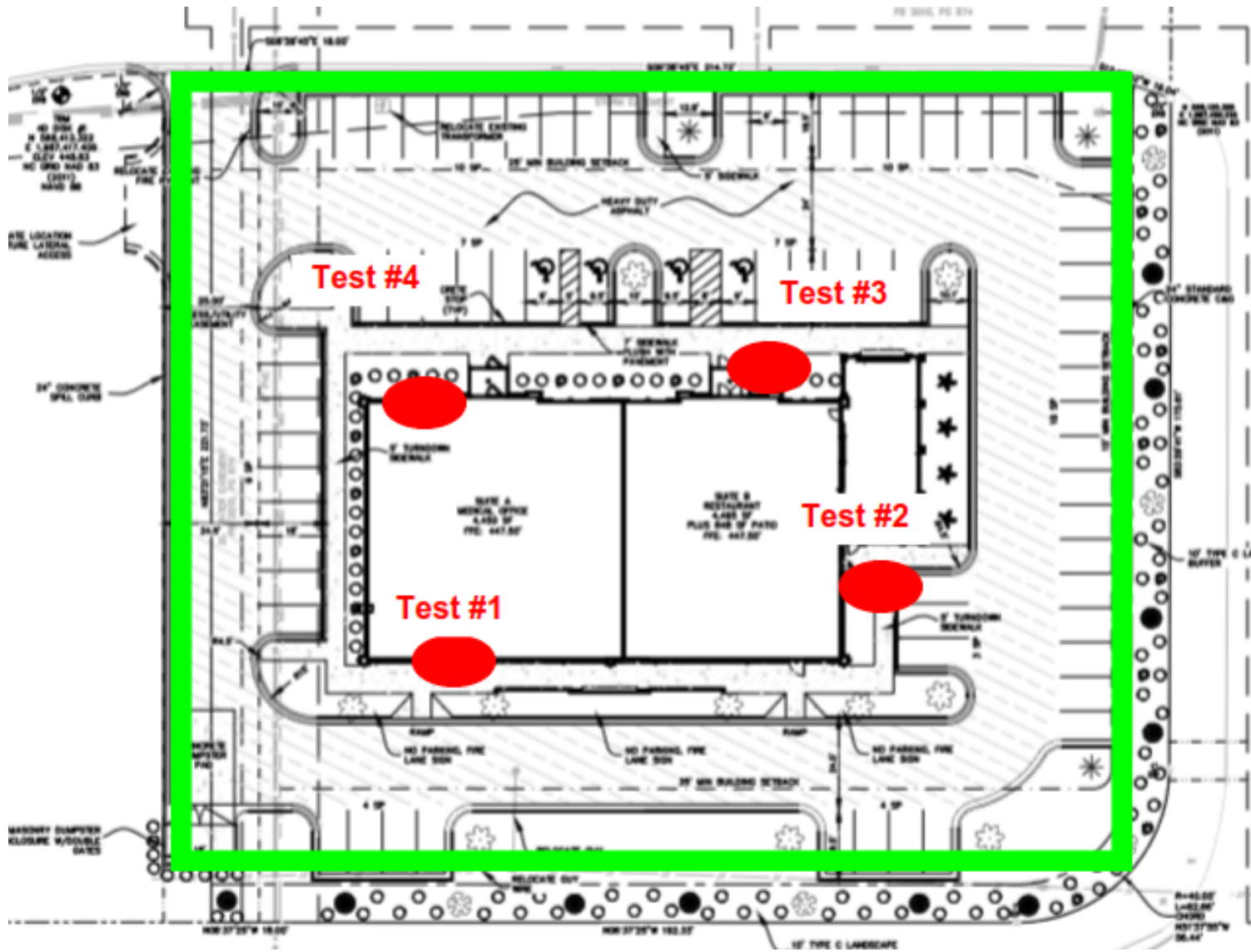
Reviewed By:




Giovanni Castro, P.E.

Senior Engineer

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Spout Springs Outparcel	Site Plan: C.20 (Observed Location)	
	Report Number: 70191114.0002A	
1655 Buffalo Lake Road	Technician: Suman Uprety	2401 Brentwood Rd Ste 107
Sanford, NC 27332	Date: 07/17/20	Raleigh, NC 27604-3686
	Scale: Not to Scale	919-873-2211 Reg No: F-0869



Spout Springs Outparcel	Site Plan: Observed Location	Terracon
	Report Number: 70191114.0002A	
1655 Buffalo Lake Road	Technician: Suman Uprety	2401 Brentwood Rd Ste 107
Sanford, NC 27332	Date: 07/17/20	Raleigh, NC 27604-3686
	Scale: Not to Scale	919-873-2211 Reg No: F-0869

FOUNDATION OBSERVATIONS REPORT



Report Number: 70191114.0004
Service Date: 07/22/20
Report Date: 07/22/20
Task: Soils/Foundation

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

Services Requested By: David Daughtey with Ray West Design Build

Earthwork Contractor: Carolina concrete Finishing

Foundation Type: Spread footing

Observed Location(s): Footing of Foundation Pad and Piers

Subgrade Description: Greyish Red Silty Sand

Summary: The foundation subgrade appeared firm and stable. Based on our observations, the foundation subgrade preparation at the above-referenced locations appeared to be in general accordance with project specifications. Results were reported to David Daughtey with Ray West Design Build at the completion of today's activities.

Additional Comments: 5 of the 11 piers inside of the foundation were tested using a dynamic cone penetrometer. The other 6 were probed with a stainless steel probing rod and all were found to be firm and stable.

Services: Evaluate excavated foundation subgrades for minimum design bearing capacity.

Terracon Rep.: Alex Bullard

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
(1) RAYWEST DESIGNBUILD, Greg West

(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray

Reviewed By: _____

Giovanni Castro, P.E.

Senior Engineer

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FOUNDATION OBSERVATIONS REPORT



Report Number: 70191114.0004
Service Date: 07/22/20
Report Date: 07/22/20
Task: Soils/Foundation

2401 Brentwood Rd Ste 107
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Attn: Brian DeLong
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Wilkesboro, NC 28697-0843

Project

Spout Springs Outparcel
1655 Buffalo Lake Road
Sanford, NC 27332

Project Number: 70191114

Footings appeared to have been excavated to their design bearing elevation. The exposed soils were tested using a Dynamic Cone Penetrometer. The Results are tabulated below:

Footing location(s)	Depth	DCP Value	Comments
1. Northern Footer, 9' from Eastern Footer	BOF	9,12,13	Greyish red sandy silt
	-1'	12,12,12	Orange sandy silt
	-2'	8,9,10	Orange sandy silt
	-3'	8,8,9	Orange sandy silt
			Suitable for 2,000 psf
2. Northern Footer, 6' from Western Footer	BOF	10,15,15+	Greyish orange sandy silt
	-1'	15+	Greyish orange sandy silt
	-2'	15+	Orange silty sand
	-3'	15+	Orange silty sand
			Suitable for 2,000 psf
3. Western Footer, 47' from Northern Footer	BOF	14,14,14	Greyish orange sandy silt
	-1'	15+	Red silty clay
	-2'	9,15+	Greyish orange sandy silt
	-3'	15+	Greyish orange sandy silt
			Suitable for 2,000 psf
4. Western Footer, 25' from Southern Footer	BOF	6,7,8	Orange silty sand
	-1'	14,15+	Brown sandy silt
	-2'	9,8,7	Reddish brown sandy silt
	-3'	7,6,6	Reddish brown sandy silt
			Suitable for 2,000 psf

Services: Evaluate excavated foundation subgrades for minimum design bearing capacity.

Terracon Rep.: Alex Bullard

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
(1) RAYWEST DESIGNBUILD, Greg West

(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray

Reviewed By:

Giovanni Castro, P.E.

Senior Engineer

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FOUNDATION OBSERVATIONS REPORT

Report Number: 70191114.0004
Service Date: 07/22/20
Report Date: 07/22/20
Task: Soils/Foundation

Terracon

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

5. Southern Footer, 20' from Western Border

BOF	7,13,13	Brownish red sandy clay
-1'	8,10,15+	Red sandy clay
-2'	15+	Brownish red sandy silt
-3'	15+	Brownish red sandy silt Suitable for 2,000 psf

6. Eastern Footer, 35' from Southern Footer

BOF	8,10,13	Brownish red silty sand
-1'	10,10,10	Brown silty sand
-2'	10,12,15+	Brownish red silty sand
-3'	11,10,13	Brownish red silty sand Suitable for 2,000 psf

7. Eastern Footer, 15' from Northern Footer

BOF	7,7,8	Brownish silty sand
-1'	8,10,13	Red silty sand
-2'	8,8,9	Red silty sand
-3'	10,8,8	Red silty sand Suitable for 2,000 psf

8. Interior Pier

BOF	10,12,13	Brownish red silty sand
-1'	10,10,10	Brownish red silty sand
-2'	10,12,15+	Brownish red silty sand
-3'	11,10,15+	Brownish red silty sand Suitable for 2,000 psf

9. Interior Pier

BOF	10,12,13	Greyish red silty sand
-1'	12,13,15+	Greyish red silty sand
-2'	15+	Orange silty sand
-3'	13,15+	Orange silty sand Suitable for 2,000 psf

Services: Evaluate excavated foundation subgrades for minimum design bearing capacity.

Terracon Rep.: Alex Bullard

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
(1) RAYWEST DESIGNBUILD, Greg West

(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray

Reviewed By: _____

Giovanni Castro, P.E.

Senior Engineer

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FOUNDATION OBSERVATIONS REPORT



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Report Date: 07/22/20
Task: Soils/Foundation

2401 Brentwood Rd Ste 107
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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

10. Interior Pier

BOF	10,15+	Brownish red silty sand
-1'	15+	Brown silty sand
-2'	15+	Brown silty sand
-3'	12,13	Brownish red silty sand Suitable for 2,000 psf

11. Interior Pier

BOF	8,10,11	Brownish red silty sand
-1'	15+	Red silty sand
-2'	15+	Red silty sand
-3'	15+	Red silty sand Suitable for 2,000 psf

12. Interior Pier

BOF	11,11,13	Brownish red silty sand
-1'	15+	Red silty sand
-2'	15+	Red silty sand
-3'	12,15+	Brownish red silty sand Suitable for 2,000 psf

Services: Evaluate excavated foundation subgrades for minimum design bearing capacity.

Terracon Rep.: Alex Bullard

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian
DeLong
(1) RAYWEST DESIGNBUILD, Greg
West

(1) RAYWEST DESIGNBUILD, Ashley
Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector
Ray

Reviewed By: _____

Giovanni Castro, P.E.

Senior Engineer

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FOUNDATION OBSERVATIONS REPORT



Report Number: 70191114.0004
Service Date: 07/22/20
Report Date: 07/22/20
Task: Soils/Foundation

2401 Brentwood Rd Ste 107
Raleigh, NC 27604-3686
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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

Services: Evaluate excavated foundation subgrades for minimum design bearing capacity.

Terracon Rep.: Alex Bullard

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian
DeLong
(1) RAYWEST DESIGNBUILD, Greg
West

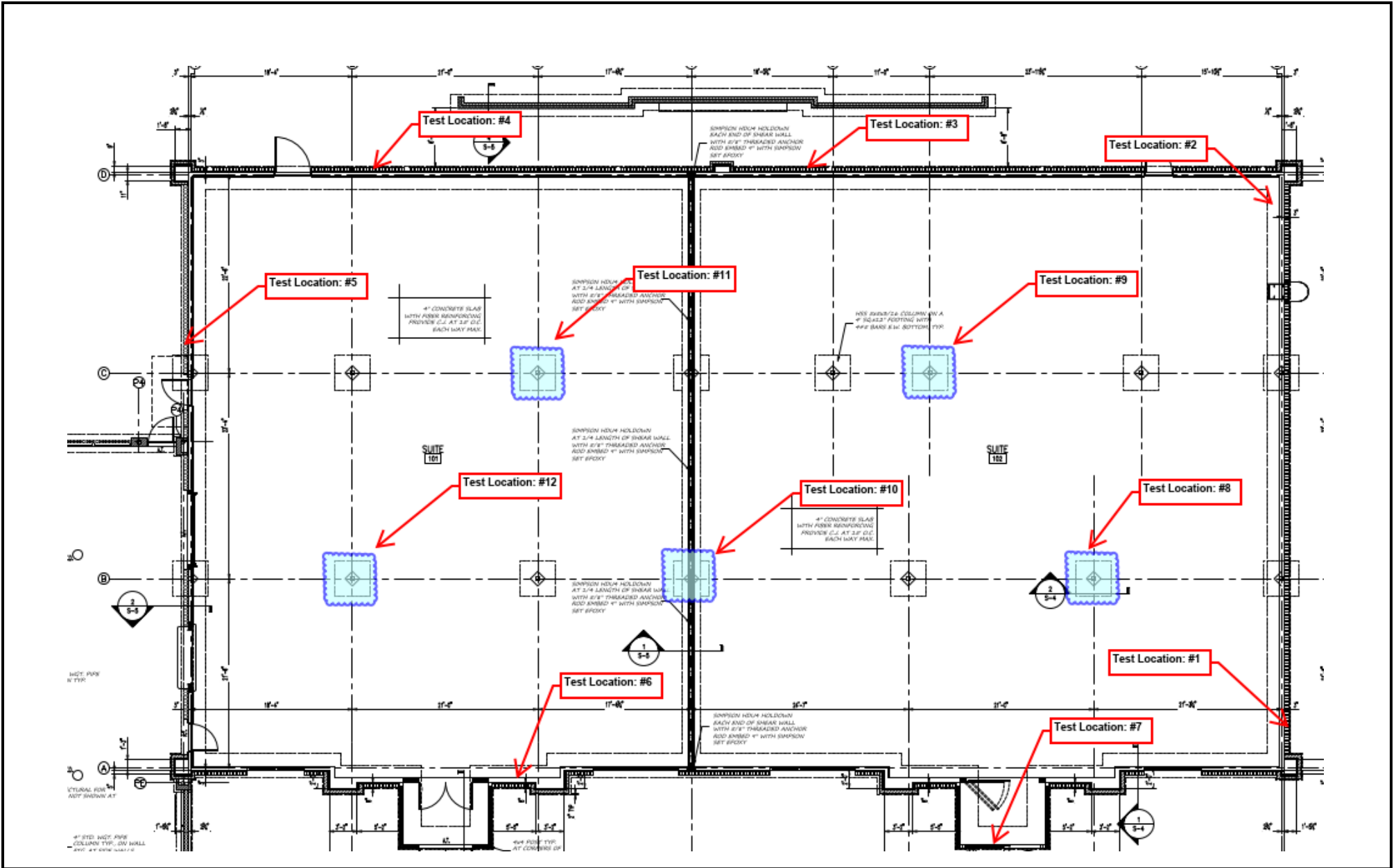
(1) RAYWEST DESIGNBUILD, Ashley
Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector
Ray

Reviewed By: _____

Giovanni Castro, P.E.

Senior Engineer

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Spout Springs Outparcel

Site Plan: S-2

Report Number: 70191114.0004

1655 Buffalo Lake Road

Technician: Alex Bullard

Sanford, NC 27332

Date: 07/22/20

Scale: Not to Scale



2401 Brentwood Rd Ste 107

Raleigh, NC 27604-3686

919-873-2211 Reg No: F-0869

LABORATORY COMPACTION CHARACTERISTICS OF SOIL REPORT



Report Number: 70191114.0002
Service Date: 07/17/20
Report Date: 08/03/20
Task: Soils/Foundation

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

Source of Material: Off Site
Proposed Use: Structural Fill

Sample Information

Sample Date: 07/16/20
Sampled By: Jesse Adam
Sample Location: Stockpile

Sample Description: Tan Poorly Graded Sand with Silt

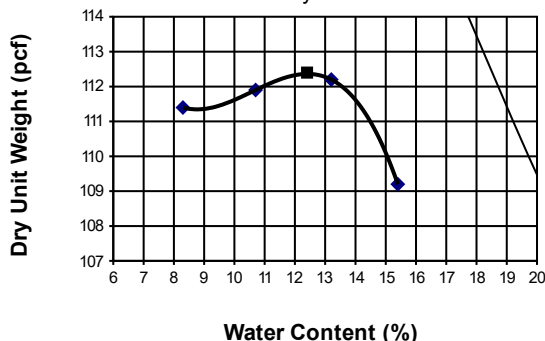
Laboratory Test Data

Test Procedure: ASTM D698
Test Method: Method A
Sample Preparation: Dry
Rammer Type: Manual
Maximum Dry Unit Weight (pcf): 112.4
Optimum Water Content (%): 12.4

	Result	Specifications
Liquid Limit:	Non-plastic	
Plastic Limit:	Non-plastic	
Plasticity Index:	Non-plastic	
In-Place Moisture (%):	12.6	
Passing #200 (%):	11.0	

USCS: SP-SM

Zero Air Voids Curve for Assumed Specific Gravity 2.70



Comments:

Services: Obtain a sample of backfill material at the project site and return it to the laboratory. Prepare and test the sample for moisture-density relationship.

Terracon Rep.: Stephanie H. Huffman

Reported To:

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 D698, ASTM D1140, ASTM D4318, ASTM D4718, AASHTO T99, VTM-1, VTM-7, VTM--8, VTM-25

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CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Terracon

Report Number: 70191114.0006A
Service Date: 08/06/20
Report Date: 08/07/20
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:
Supplier:
Batch Time: 1424 Plant:
Truck No.: 4354 Ticket No.: 996

Sample Information

Sample Date: 08/06/20 Sample Time:
Sampled By: Alex Bullard
Weather Conditions: Cloudy and Raining
Accumulative Yards: 1/10 Batch Size (cy): 10
Placement Method: Chute
Water Added Before (gal):
Water Added After (gal):
Sample Location: South West Outside Footer
Placement Location: South West Outside Footer

Field Test Data

Test	Result	Specification
Slump (in):	3 1/2	2 - 4
Air Content (%):	3.0 *	5 - 7
Concrete Temp. (F):	86	
Ambient Temp. (F):	84	
Plastic Unit Wt. (pcf):	145.5	

Yield (Cu. Yds.):

* = Field Test Results do not meet project specifications.

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	4.00	12.57		08/13/20	7				
1	C	4.00	12.57		09/03/20	28				
1	D	4.00	12.57		09/03/20	28				
1	E	4.00	12.57		09/03/20	28				
1	F	4.00	12.57		10/01/20	56				

Initial Cure: Outside

Final Cure: Moist Room

Comments:

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.: Alex Bullard

Reported To: David 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

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CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Terracon

Report Number: 70191114.0006A
Service Date: 08/06/20
Report Date: 08/07/20
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

Services Requested By: David Daughtey with Ray West Design Build

Concrete Contractor: Carolina Concrete Finishing

Concrete Placement: Isolated footing

Observation Location(s): South West Perimeter Footer

Subgrade Review: The subgrade consisted of Greyish Red Silty Sand and was observed to be firm and stable.

Reinforcing Steel Review: Reinforcing steel was reviewed and was observed to be in general accordance with the project drawings identified below.

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 Co. (Mix ID: 30CF0000)

Method of Placement: Pump

Tests Performed: Concrete slump, temperature and unit weight measurements were performed and the results were in accordance with project specifications. Concrete air measurements were performed and the results were not in accordance with project specifications.

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

Weather Protection: None Observed

Summary: Based on our observations, cast-in-place concrete construction activities at the above-referenced locations did not appear to be completed in accordance with project plans and specifications. Refer to the comments section and the attached deviation report for a discussion of non-conforming items. Results were reported to David Daughtey at the completion of today's activities.

Referenced Drawings: S-2

Additional Comments: After concrete had arrived and crew was beginning to place we experienced heavy rainfall. No protection was observed during today's activities and crew dug a trench at the completion of today to try and remove water standing on concrete pour area.

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.: Alex Bullard

Reported To: David with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
(1) RAYWEST DESIGNBUILD, Greg West

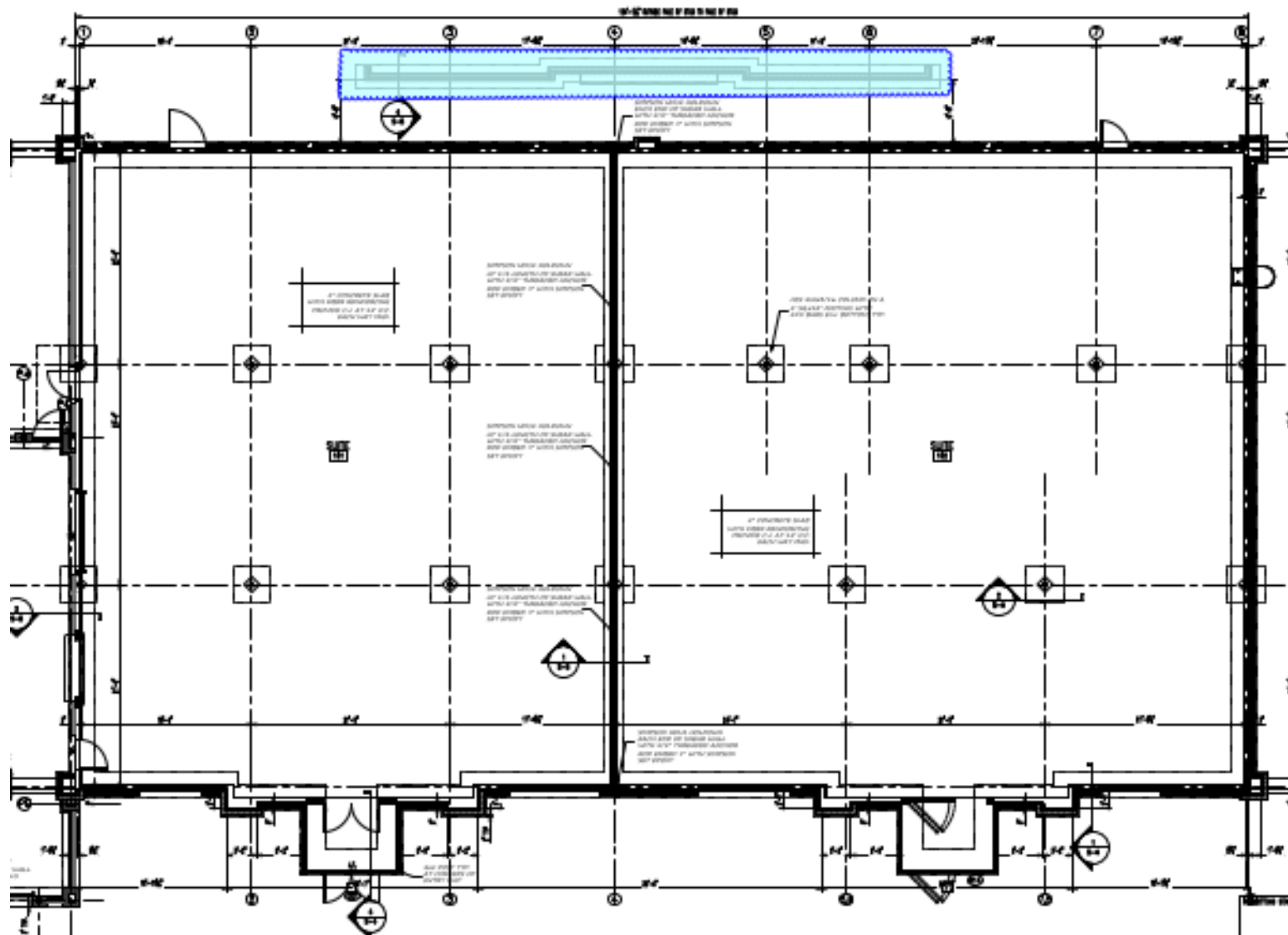
(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray


Reviewed By: _____

Giovanni Castro, P.E.

Senior Engineer

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.



Spout Springs Outparcel	Site Plan: S2.0	
	Report Number: 70191114.0006A	
1655 Buffalo Lake Road	Technician: Alex Bullard	2401 Brentwood Rd Ste 107
Sanford, NC 27332	Date: 08/06/20	Raleigh, NC 27604-3686
	Scale: Not to Scale	919-873-2211 Reg No: F-0869



Spout Springs Outparcel

Site Plan:

Report Number: 70191114.0006A

1655 Buffalo Lake Road

Technician: Alex Bullard

Sanford, NC 27332

Date: 08/06/20

Scale: Not to Scale

Terracon

2401 Brentwood Rd Ste 107

Raleigh, NC 27604-3686

919-873-2211 Reg No: F-0869

DEVIATION LOG

Report Date: 8/9/2020



2401 Brentwood Rd
Ste 107
Raleigh, NC 27604-3686
919-873-2211

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

Deviation No.	Report No.	Service	Service Date	Description/Comments	How Resolved	Date Resolved	Status
D000001	0006A	Concrete Compressive Strength Test	08/06/20	Air content does not comply, Set 1			Open

CONCRETE SAMPLE PICK-UP REPORT



Report Number: 70191114.0007
Service Date: 08/07/20
Report Date: 08/07/20
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

SAMPLE TYPE: 4x8 Concrete Cylinders

DATE CAST: 8/6/2020

1 set of 5 samples was retrieved and transported to our laboratory and placed in a temperature and humidity-controlled environment for future compressive strength testing.

Services: Obtain concrete test samples and place them in a controlled curing environment.

Terracon Rep.: Gregory Perez

Reported To:

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
(1) RAYWEST DESIGNBUILD, Greg West

(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray

Reviewed By: _____

Giovanni Castro, P.E.
Senior Engineer

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REINFORCING STEEL OBSERVATIONS REPORT



Report Number: 70191114.0006
Service Date: 08/06/20
Report Date: 08/06/20
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

Services Requested By: David Daughtey with RayWest Design Build

Contractor: Carolina Concrete

Construction Type: Cast-in-place Concrete

Observation Location(s): Interior footings and footing for South Free Wall

Summary: Based on our observations, the reinforcing steel placement at the above-referenced locations appeared to be in general accordance with the project drawings identified below. Results were reported to David Daughtey with RayWest Design Build at the completion of today's activities.

Referenced Drawing(s): Page S-4 Detail 2 and Page S-5 Detail 4

Services: N/A

Terracon Rep.: Gregory Perez

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
(1) RAYWEST DESIGNBUILD, Greg West

(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray

Reviewed By: _____

Giovanni Castro, P.E.

Senior Engineer

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FOUNDATION OBSERVATIONS REPORT



Report Number: 70191114.0008
Service Date: 08/12/20
Report Date: 08/12/20
Task: Soils/Foundation

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

Services Requested By: David Daughtey with Ray West Design Build

Earthwork Contractor: Ray West Design Build

Foundation Type: Strip Footing

Observed Location(s): Patio footings

Subgrade Description: Fine sand silt

Summary: The foundation subgrade appeared firm and stable. Based on our observations, the foundation subgrade preparation at the above-referenced locations appeared to be in general accordance with project specifications. Results were reported to David Daughtey at the completion of today's activities.

Services: Evaluate excavated foundation subgrades for minimum design bearing capacity.

Terracon Rep.: Bryan Edwards

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian
DeLong
(1) RAYWEST DESIGNBUILD, Greg
West

(1) RAYWEST DESIGNBUILD, Ashley
Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector
Ray

Reviewed By: _____

Giovanni Castro, P.E.

Senior Engineer

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FOUNDATION OBSERVATIONS REPORT



Report Number: 70191114.0008
Service Date: 08/12/20
Report Date: 08/12/20
Task: Soils/Foundation

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

Footings appeared to have been excavated to their design bearing elevation. The exposed soils were tested using a Dynamic Cone Penetrometer. The Results are tabulated below:

Footing location(s)	Depth	DCP Value	Comments
Patio west column P1-PA	BOF	15+	Sand silt moist all negative three feet Suitable for 2000 PSF
	-1'	15+	
	-2'	9-9-9	
	-3'	15+	

Services: Evaluate excavated foundation subgrades for minimum design bearing capacity.

Terracon Rep.: Bryan Edwards

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
(1) RAYWEST DESIGNBUILD, Greg West

(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray

Reviewed By: _____

Giovanni Castro, P.E.

Senior Engineer

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FOUNDATION OBSERVATIONS REPORT



Report Number: 70191114.0008
Service Date: 08/12/20
Report Date: 08/12/20
Task: Soils/Foundation

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

Services: Evaluate excavated foundation subgrades for minimum design bearing capacity.

Terracon Rep.: Bryan Edwards

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian
DeLong
(1) RAYWEST DESIGNBUILD, Greg
West

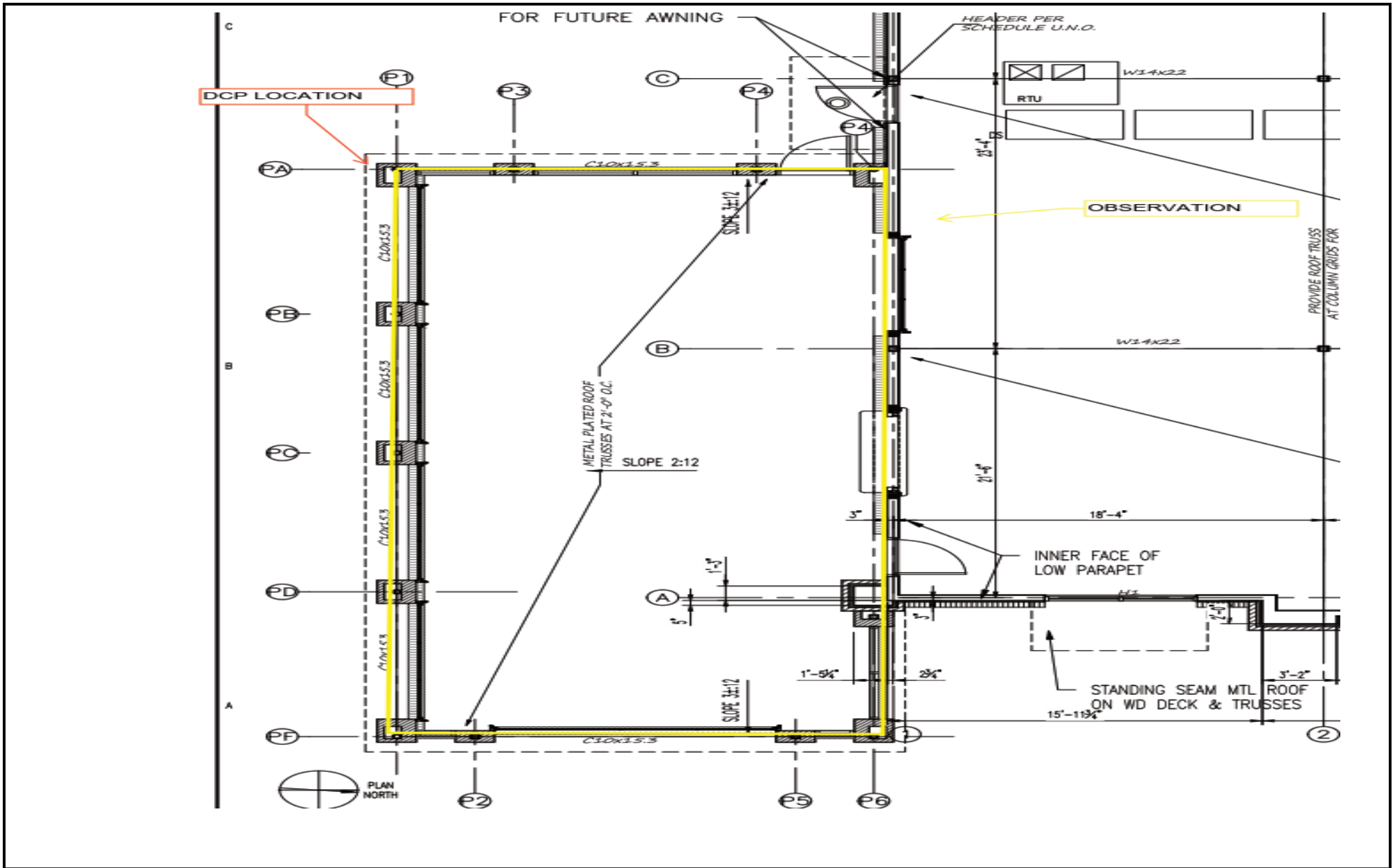
(1) RAYWEST DESIGNBUILD, Ashley
Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector
Ray


Reviewed By: _____

Giovanni Castro, P.E.

Senior Engineer

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Spout Springs Outparcel	Site Plan:	
	Report Number: 70191114.0008	
1655 Buffalo Lake Road	Technician: Bryan Edwards	2401 Brentwood Rd Ste 107
Sanford, NC 27332	Date: 08/12/20	Raleigh, NC 27604-3686
	Scale: Not to Scale	919-873-2211 Reg No: F-0869

REINFORCING STEEL OBSERVATIONS REPORT



Report Number: 70191114.0008A
Service Date: 08/12/20
Report Date: 08/12/20
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

Services Requested By: David Daughtey with Ray West Design Build

Contractor: Ray West Design Build

Construction Type: Cast-in-place Concrete

Observation Location(s): Patio area

Summary: Based on our observations, the reinforcing steel placement at the above-referenced locations appeared to be in general accordance with the project drawings identified below. Results were reported to David Daughtey with Ray West Design Build at the completion of today's activities.

Referenced Drawing(s): S-5

Services: N/A

Terracon Rep.: Bryan Edwards

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
(1) RAYWEST DESIGNBUILD, Greg West

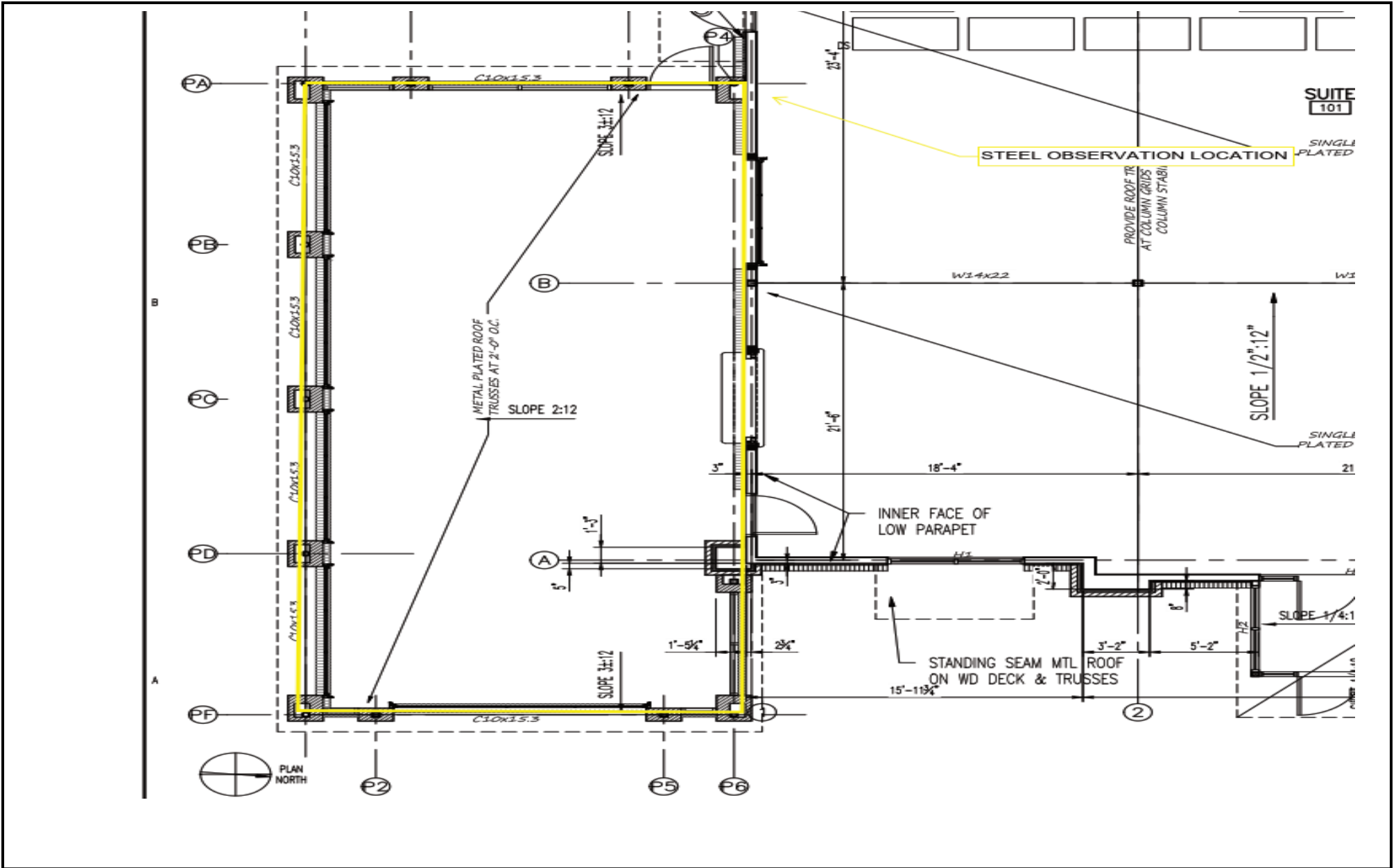
(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray

Reviewed By: _____

Giovanni Castro, P.E.

Senior Engineer

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Spout Springs Outparcel

Site Plan: STEEL OBSERVATION

Report Number: 70191114.0008A

1655 Buffalo Lake Road

Technician: Bryan Edwards

Sanford, NC 27332

Date: 08/12/20

Scale: Not to Scale

Terracon

2401 Brentwood Rd Ste 107

Raleigh, NC 27604-3686

919-873-2211 Reg No: F-0869



Spout Springs Outparcel

Site Plan:

Report Number: 70191114.0008A

1655 Buffalo Lake Road

Technician: Bryan Edwards

Sanford, NC 27332

Date: 08/12/20

Terracon

2401 Brentwood Rd Ste 107

Raleigh, NC 27604-3686

Scale: Not to Scale

919-873-2211 Reg No: F-0869

CONCRETE COMPRESSIVE STRENGTH TEST REPORT



Report Number: 70191114.0006A
Service Date: 08/06/20
Report Date: 08/13/20 Revision 1 - 7-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:

Supplier:

Batch Time: 1424

Truck No.: 4354

Plant:

Ticket No.: 996

Sample Information

Sample Date: 08/06/20 Sample Time:

Sampled By: Alex Bullard

Weather Conditions: Cloudy and Raining

Accumulative Yards: 1/10 Batch Size (cy): 10

Placement Method: Chute

Water Added Before (gal):

Water Added After (gal):

Sample Location: South West Outside Footer

Placement Location: South West Outside Footer

Field Test Data

Test	Result	Specification
Slump (in):	3 1/2	2 - 4
Air Content (%):	3.0 *	5 - 7
Concrete Temp. (F):	86	
Ambient Temp. (F):	84	
Plastic Unit Wt. (pcf):	145.5	
Yield (Cu. Yds.):		

* = Field Test Results do not meet project specifications.

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	3.99	12.5	08/10/20	08/13/20	7	15,000	1,200	2	DKL
1	C	4.00	12.57	08/10/20	09/03/20	28				
1	D	4.00	12.57	08/10/20	09/03/20	28				
1	E	4.00	12.57	08/10/20	09/03/20	28				
1	F	4.00	12.57	08/10/20	10/01/20	56				

Initial Cure: Outside

Final Cure: Moist Room

Comments:

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.: Alex Bullard

Reported To: David 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.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT



Report Number: 70191114.0006A
Service Date: 08/06/20
Report Date: 08/13/20 Revision 1 - 7-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

Services Requested By: David Daughtey with Ray West Design Build

Concrete Contractor: Carolina Concrete Finishing

Concrete Placement: Isolated footing

Observation Location(s): South West Perimeter Footer

Subgrade Review: The subgrade consisted of Greyish Red Silty Sand and was observed to be firm and stable.

Reinforcing Steel Review: Reinforcing steel was reviewed and was observed to be in general accordance with the project drawings identified below.

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 Co. (Mix ID: 30CF0000)

Method of Placement: Pump

Tests Performed: Concrete slump, temperature and unit weight measurements were performed and the results were in accordance with project specifications. Concrete air measurements were performed and the results were not in accordance with project specifications.

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

Weather Protection: None Observed

Summary: Based on our observations, cast-in-place concrete construction activities at the above-referenced locations did not appear to be completed in accordance with project plans and specifications. Refer to the comments section and the attached deviation report for a discussion of non-conforming items. Results were reported to David Daughtey at the completion of today's activities.

Referenced Drawings: S-2

Additional Comments: After concrete had arrived and crew was beginning to place we experienced heavy rainfall. No protection was observed during today's activities and crew dug a trench at the completion of today to try and remove water standing on concrete pour area.

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.: Alex Bullard

Reported To: David with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
(1) RAYWEST DESIGNBUILD, Greg West

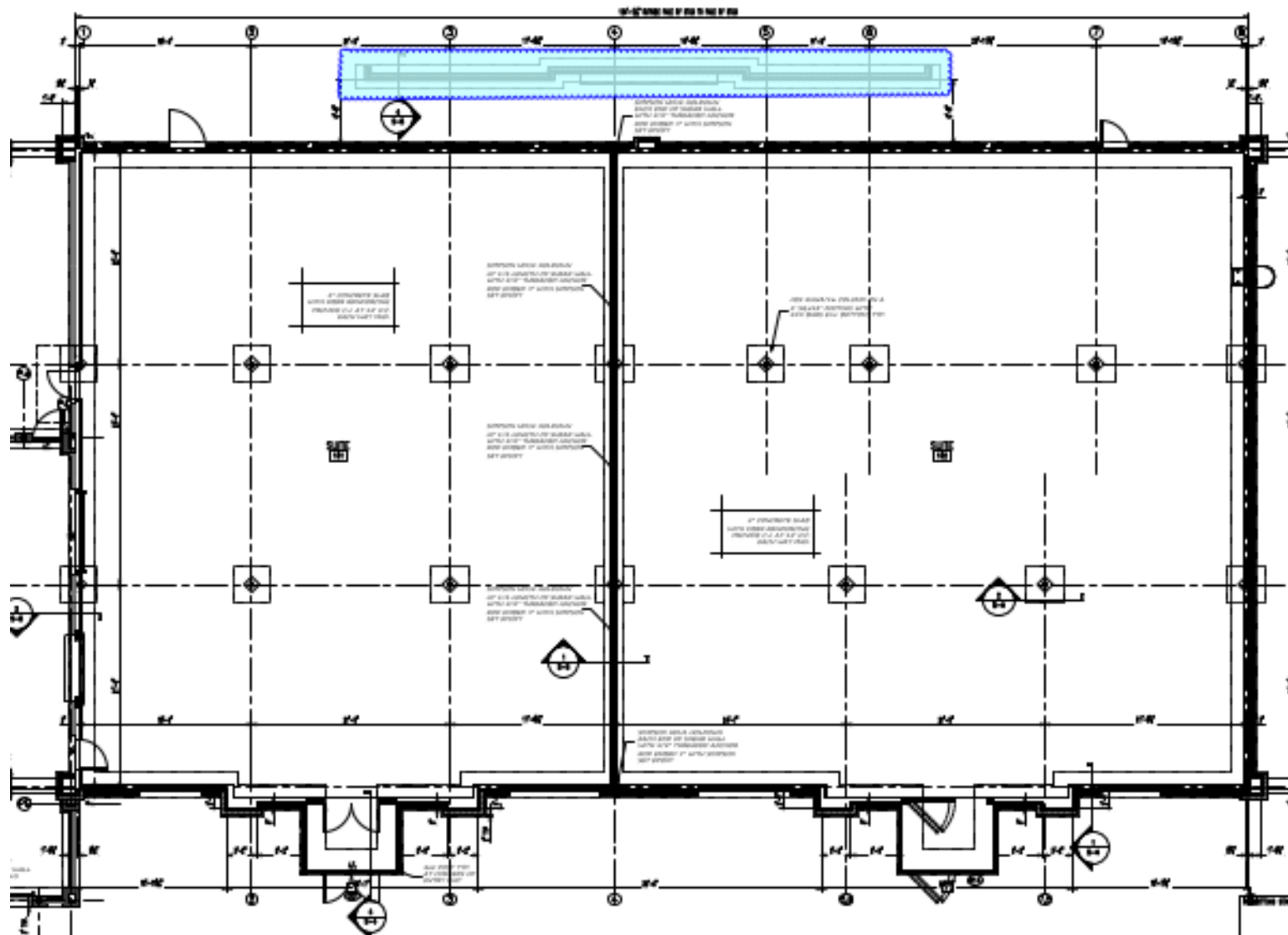
(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray


Reviewed By: _____

Giovanni Castro, P.E.

Senior Engineer

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Spout Springs Outparcel	Site Plan: S2.0	
	Report Number: 70191114.0006A	
1655 Buffalo Lake Road	Technician: Alex Bullard	2401 Brentwood Rd Ste 107
Sanford, NC 27332	Date: 08/06/20	Raleigh, NC 27604-3686
	Scale: Not to Scale	919-873-2211 Reg No: F-0869



Spout Springs Outparcel

Site Plan:

Report Number: 70191114.0006A

1655 Buffalo Lake Road

Technician: Alex Bullard

Sanford, NC 27332

Date: 08/06/20

Scale: Not to Scale

Terracon

2401 Brentwood Rd Ste 107

Raleigh, NC 27604-3686

919-873-2211 Reg No: F-0869

Concrete Core Test Report

Report Number: 70191114.0009C
Service Date: 08/13/20
Report Date: 08/13/20
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:

Specified Length:

Mix ID:

Nominal Maximum Size Aggregate:

Sample Information

Placement Date:

Date Tested:

Time:

Sampled By: Bryan Edwards

Drill Directions: Vertical

Date Core Obtained: 08/13/20

Time: 0000

Date Ends Trimmed: 08/13/20

Time: 0000

Moisture Conditioning History: According to ASTM C-42

Laboratory Test Data

Core ID	Location	Cored Length (in)	Trim Length (in)	Capped Length (in)	Diam. (in)	Area (sq in)	Length / Diam. Ratio	Max Load (lbs)	Corr. Factor	Comp. Strength (psi)	Fracture Type	Density (pcf)	Tested By
1	Footing	11.00	7.60	7.88	3.93	12.13	2.01	37130	1.000	3060	3	144.0	DKL
2	Footing	9.25	7.60		3.93	12.13							

Comments: Core #1 was tested on 8/13/2020 Core #2 will be tested on 9/3/2020

Services: Obtain 4" nominal diameter cores from concrete placed for paving. Deliver the cores to the laboratory for testing to determine the length and compressive strength.

Reported To:

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:

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CORING-THICKNESS REPORT

Report Number: 70191114.0009A
Service Date: 08/13/20
Report Date: 08/13/20
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

Services Requested By: David Daughtey with RayWest Design Build

Observation Location: Footings

Observation Results: Terracon representative arrived at the project site and cored footing in 2 locations within the Heavy-duty pavement sections. Cores were obtained and transported back to the laboratory for Compressive Strength testing. As per the conversation with David Daughtey with RayWest Design Build, Core holes were left open and to be filled later.

Comments: Please see attached drawing for locations. The following thicknesses of the cores were recorded:

Core #1 = 11'' (Length) , 3.93'' (Diameter)

Core #2 = 9.25'' (Length), 3.93'' (Diameter)

Services: N/A

Terracon Rep.: Suman Uprety

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian
DeLong
(1) RAYWEST DESIGNBUILD, Greg
West

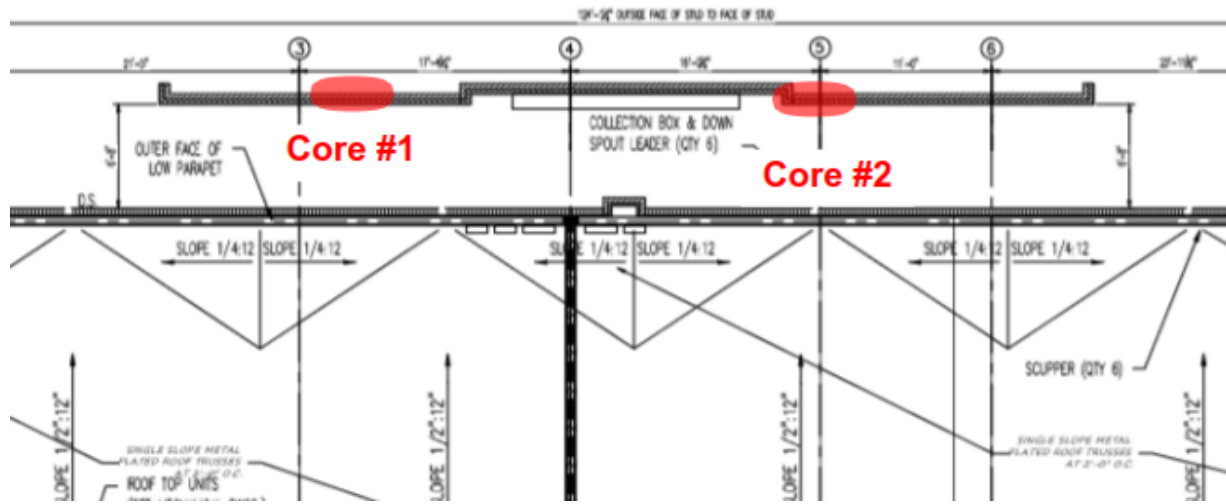
(1) RAYWEST DESIGNBUILD, Ashley
Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector
Ray


Reviewed By: _____

Giovanni Castro, P.E.

Senior Engineer

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Spout Springs Outparcel	Site Plan: Observed Location	
	Report Number: 70191114.0009A	
1655 Buffalo Lake Road	Technician: Suman Uprety	2401 Brentwood Rd Ste 107
Sanford, NC 27332	Date: 08/13/20	Raleigh, NC 27604-3686
	Scale: Not to Scale	919-873-2211 Reg No: F-0869

CONCRETE SAMPLE PICK-UP REPORT

Report Number: 70191114.0010
Service Date: 08/14/20
Report Date: 08/17/20
Task: Concrete Testing

Terracon

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

SAMPLE TYPE: 4" x 8" Concrete Cylinders

SAMPLE NUMBER: 1

DATE CAST: 08/13/2020

1 set of 5 samples per set were retrieved and transported to our laboratory and placed in a temperature and humidity-controlled environment for future compressive strength testing. One 7 day, three 28 day, and one reserve break tests will be performed on the 1 set of 5 samples.

Services: Obtain concrete test samples and place them in a controlled curing environment.

Terracon Rep.: Ahmed Al-Hoory

Reported To:

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

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REINFORCING STEEL OBSERVATIONS REPORT



Report Number: 70191114.0011
Service Date: 08/19/20
Report Date: 08/20/20
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

Services Requested By: David Doughty with Ray West Design Build
Contractor: Carolina concrete
Construction Type: Cast-in-place Concrete
Observation Location(s): Slab-On-Grade, turn down slab rebar. (rebar for the turn down)
Summary: Based on our observations, the reinforcing steel placement at the above-referenced locations appeared to be in general accordance with the project drawings identified below.
Referenced Drawing(s): Structural drawings.

Services: N/A

Terracon Rep.: Ahmed Al-Hoory

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
(1) RAYWEST DESIGNBUILD, Greg West

(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray


Reviewed By: _____

Giovanni Castro, P.E.

Senior Engineer

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.



Spout Springs Outparcel	Site Plan: rebar	
	Report Number: 70191114.0011	
1655 Buffalo Lake Road	Technician: Ahmed Al-Hoory	2401 Brentwood Rd Ste 107
Sanford, NC 27332	Date: 08/19/20	Raleigh, NC 27604-3686
	Scale: Not to Scale	919-873-2211 Reg No: F-0869

CONCRETE COMPRESSIVE STRENGTH TEST REPORT



Report Number: 70191114.0012
Service Date: 08/20/20
Report Date: 08/20/20
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: 30CF-1940
Supplier: Concrete Service Inc
Batch Time: 0930 Plant: 3
Truck No.: 4359 Ticket No.: 384226

Sample Information

Sample Date: 08/20/20 Sample Time: 1030
Sampled By: Bryan Edwards
Weather Conditions: Clear-
Accumulative Yards: 10/110 Batch Size (cy): 10
Placement Method: Pump
Water Added Before (gal):
Water Added After (gal):
Sample Location: Column 8-C
Placement Location: Building Pad column lines are 8-D to 8-A to 4-A to 4D - Footing column lines are 4D to 1-D to AA to A-4 to 4-D

Field Test Data

Test	Result	Specification
Slump (in):	5	3 - 5
Air Content (%):	1.0	0 - 3
Concrete Temp. (F):	85	75 - 95
Ambient Temp. (F):	70	30 - 100
Plastic Unit Wt. (pcf):	146.0	
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	4.00	12.57		08/27/20	7				
1	B	4.00	12.57		09/17/20	28				
1	C	4.00	12.57		09/17/20	28				
1	D	4.00	12.57		09/17/20	28				
1	E	4.00	12.57		09/17/20	28				

Initial Cure: Outside

Final Cure: Moist Room

Comments:

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.: Bryan Edwards

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

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.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT



Report Number: 70191114.0012
Service Date: 08/20/20
Report Date: 08/20/20
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: 30CF-1940
Supplier: Concrete Service Inc
Batch Time: 1100 Plant: 3
Truck No.: 4350 Ticket No.: 384233

Sample Information

Sample Date: 08/20/20 Sample Time: 1130
Sampled By: Bryan Edwards
Weather Conditions: Clear
Accumulative Yards: 10/70 Batch Size (cy): 10
Placement Method: Pump
Water Added Before (gal):
Water Added After (gal):
Sample Location: Column 7.5 B
Placement Location: Building Pad column lines are 8-D to 8-A to 4-A to 4D - Footing column lines are 4D to 1-D to AA to A-4 to 4-D

Field Test Data

Test	Result	Specification
Slump (in):	5	3 - 5
Air Content (%):	1.0	0 - 3
Concrete Temp. (F):	85	75 - 95
Ambient Temp. (F):	75	30 - 100
Plastic Unit Wt. (pcf):	147.0	
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
2	A	4.00	12.57		08/27/20	7				
2	B	4.00	12.57		09/17/20	28				
2	C	4.00	12.57		09/17/20	28				
2	D	4.00	12.57		09/17/20	28				
2	E					Hold				

Initial Cure: Outside

Final Cure: Moist Room

Comments:

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.: Bryan Edwards

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.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Terracon

Report Number: 70191114.0012
Service Date: 08/20/20
Report Date: 08/20/20
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

Services Requested By: David Daughtey with Ray West Design Build

Concrete Contractor: Carolina Concrete Finishing

Concrete Placement: Isolated footing and slab-on-grade

Observation Location(s): Building Pad column lines are 8-D to 8-A to 4-A to 4D - Footing column lines are 4D to 1-D to AA to A-4 to 4-D

Concrete Type: Fiber reinforced, 3000-psi concrete supplied by Concrete Service Inc (Mix ID: 30CF0000)

Method of Placement: Pump

Method of Consolidation: Mechanical Vibrator

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): 2] were fabricated during today's concrete activities.

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 Ray West Design Build at the completion of today's activities.

Referenced Drawings: S-2 Sheet two of five

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.: Bryan Edwards

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
(1) RAYWEST DESIGNBUILD, Greg West

(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray


Reviewed By: _____

Giovanni Castro, P.E.

Senior Engineer

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.



Spout Springs Outparcel	Site Plan: CONCRETE POUR PHOTO	
	Report Number: 70191114.0012	
1655 Buffalo Lake Road	Technician: Bryan Edwards	2401 Brentwood Rd Ste 107
Sanford, NC 27332	Date: 08/20/20	Raleigh, NC 27604-3686
	Scale: Not to Scale	919-873-2211 Reg No: F-0869

CONCRETE COMPRESSIVE STRENGTH TEST REPORT



Report Number: 70191114.0009
Service Date: 08/13/20
Report Date: 08/21/20
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: 30F00000
Supplier: Concrete Service
Batch Time: 0630 Plant: 3
Truck No.: 4362 Ticket No.: 384184

Sample Information

Sample Date: 08/13/20 Sample Time: 0700
Sampled By: Bryan Edwards
Weather Conditions: Clear
Accumulative Yards: 11 Batch Size (cy): 11
Placement Method: Direct Discharge
Water Added Before (gal):
Water Added After (gal):
Sample Location: Patio Footing column PA to P6
Placement Location: Patio Footing

Field Test Data

Test	Result	Specification
Slump (in):	5	3 - 5
Air Content (%):	1.0	0 - 1
Concrete Temp. (F):	85	75 - 95
Ambient Temp. (F):	75	30 - 100
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	3.99	12.5	08/17/20	08/20/20	7	30,230	2,420	2	DKL
1	B	4.00	12.57	08/17/20	09/10/20	28				
1	C	4.00	12.57	08/17/20	09/10/20	28				
1	D	4.00	12.57	08/17/20	09/10/20	28				
1	E			08/17/20		Hold				

Initial Cure: Outside

Final Cure: Moist Room

Comments:

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.: Bryan Edwards

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.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT



Report Number: 70191114.0009
Service Date: 08/13/20
Report Date: 08/21/20
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

Services Requested By: David Daughtey with Ray West Design Build

Concrete Contractor: Carolina Concrete Finishing

Concrete Placement: Continuous footing

Observation Location(s): Patio Footing- Columns (A to P6 / P6 to PF / PF to PA / PA to P4)

Concrete Type: 3000-psi concrete supplied by Concrete Service (Mix ID: 30CF0000)

Method of Placement: Chute

Method of Consolidation: Mechanical Vibrator

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.

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 Ray West Design Build at the completion of today's activities.

Referenced Drawings: 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.: Bryan Edwards

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
(1) RAYWEST DESIGNBUILD, Greg West

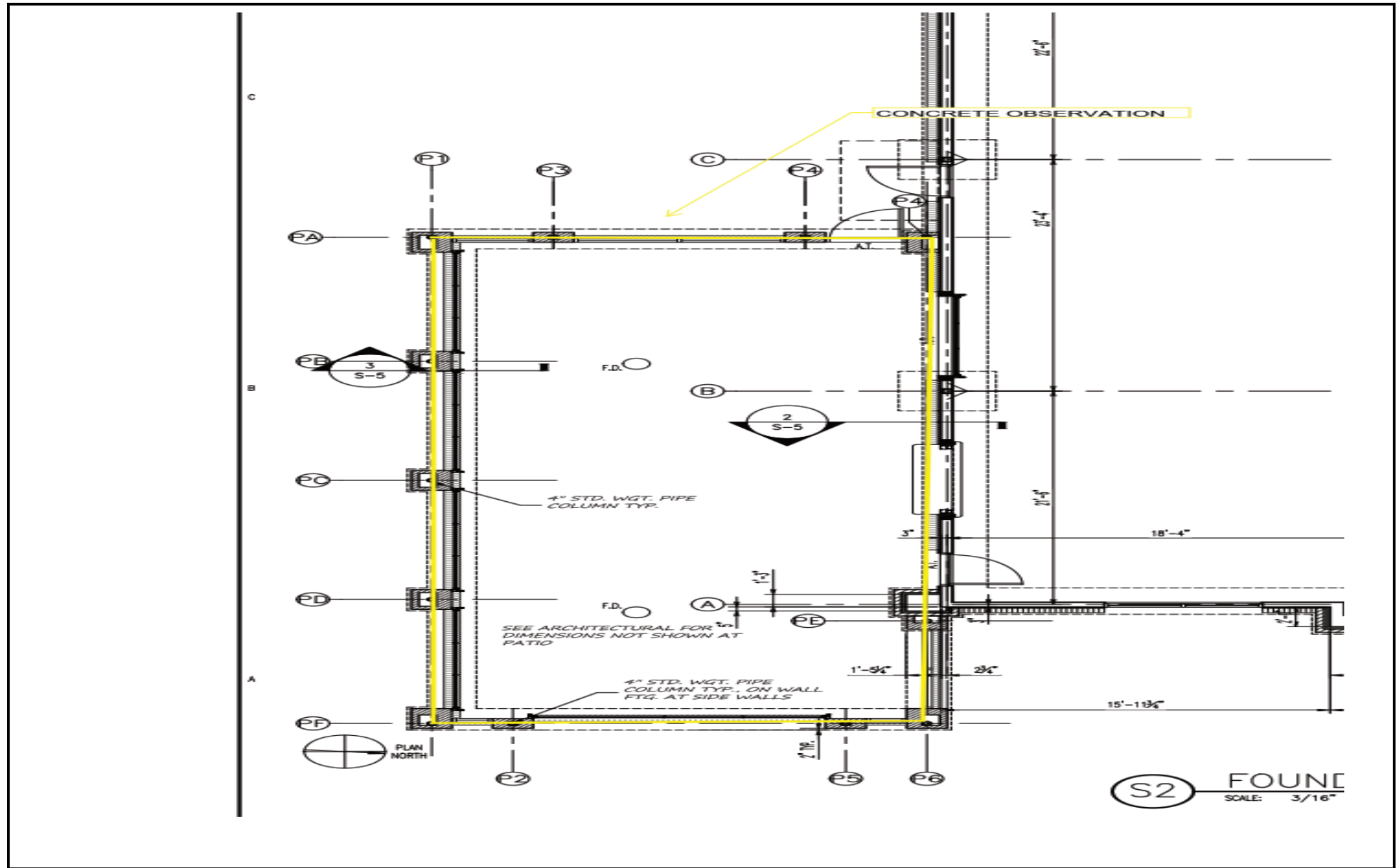
(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray

Reviewed By: _____

Giovanni Castro, P.E.

Senior Engineer

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.



Spout Springs Outparcel

Site Plan: CONCRETE LAYOUT

Report Number: 70191114.0009

1655 Buffalo Lake Road

Technician: Bryan Edwards

Sanford, NC 27332

Date: 08/13/20

Scale: Not to Scale


Terracon

2401 Brentwood Rd Ste 107

Raleigh, NC 27604-3686

919-873-2211 Reg No: F-0869



Spout Springs Outparcel	Site Plan:	
	Report Number: 70191114.0009	
1655 Buffalo Lake Road	Technician: Bryan Edwards	2401 Brentwood Rd Ste 107
Sanford, NC 27332	Date: 08/13/20	Raleigh, NC 27604-3686

Scale: Not to Scale

919-873-2211 Reg No: F-0869

CONCRETE SAMPLE PICK-UP REPORT

Report Number: 70191114.0013
Service Date: 08/21/20
Report Date: 08/21/20
Task: Concrete Testing

Terracon

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

SAMPLE TYPE: 4" x 8" Concrete Cylinders

DATE CAST: 08/20/2020

2 set(s) of 5 samples per set were retrieved and transported to our laboratory and placed in a temperature and humidity-controlled environment for future compressive strength testing.

Services: Obtain concrete test samples and place them in a controlled curing environment.

Terracon Rep.: Alex Bullard

Reported To:

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian
DeLong
(1) RAYWEST DESIGNBUILD, Greg
West

(1) RAYWEST DESIGNBUILD, Ashley
Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector
Ray

Reviewed By: _____

Giovanni Castro, P.E.

Senior Engineer

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.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT



Report Number: 70191114.0012
Service Date: 08/20/20
Report Date: 08/28/20 Revision 1 - 7-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: 30CF-1940
Supplier: Concrete Service Inc
Batch Time: 0930 Plant: 3
Truck No.: 4359 Ticket No.: 384226

Sample Information

Sample Date: 08/20/20 Sample Time: 1030
Sampled By: Bryan Edwards
Weather Conditions: Clear-
Accumulative Yards: 10/110 Batch Size (cy): 10
Placement Method: Pump
Water Added Before (gal):
Water Added After (gal):
Sample Location: Column 8-C
Placement Location: Building Pad column lines are 8-D to 8-A to 4-A to 4D - Footing column lines are 4D to 1-D to AA to A-4 to 4-D

Field Test Data

Test	Result	Specification
Slump (in):	5	3 - 5
Air Content (%):	1.0	0 - 3
Concrete Temp. (F):	85	75 - 95
Ambient Temp. (F):	70	30 - 100
Plastic Unit Wt. (pcf):	146.0	
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	3.99	12.5	08/21/20	08/27/20	7	32,740	2,620	3	
1	B	4.00	12.57	08/21/20	09/17/20	28				
1	C	4.00	12.57	08/21/20	09/17/20	28				
1	D	4.00	12.57	08/21/20	09/17/20	28				
1	E	4.00	12.57	08/21/20	09/17/20	28				

Initial Cure: Outside

Final Cure: Moist Room

Comments:

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.: Bryan Edwards

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

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.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT



Report Number: 70191114.0012
Service Date: 08/20/20
Report Date: 08/28/20 Revision 1 - 7-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: 30CF-1940
Supplier: Concrete Service Inc
Batch Time: 1100 Plant: 3
Truck No.: 4350 Ticket No.: 384233

Sample Information

Sample Date: 08/20/20 Sample Time: 1130
Sampled By: Bryan Edwards
Weather Conditions: Clear
Accumulative Yards: 10/70 Batch Size (cy): 10
Placement Method: Pump
Water Added Before (gal):
Water Added After (gal):
Sample Location: Column 7.5 B
Placement Location: Building Pad column lines are 8-D to 8-A to 4-A to 4D - Footing column lines are 4D to 1-D to AA to A-4 to 4-D

Field Test Data

Test	Result	Specification
Slump (in):	5	3 - 5
Air Content (%):	1.0	0 - 3
Concrete Temp. (F):	85	75 - 95
Ambient Temp. (F):	75	30 - 100
Plastic Unit Wt. (pcf):	147.0	
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
2	A	3.99	12.5	08/21/20	08/27/20	7	33,890	2,710	3	
2	B	4.00	12.57	08/21/20	09/17/20	28				
2	C	4.00	12.57	08/21/20	09/17/20	28				
2	D	4.00	12.57	08/21/20	09/17/20	28				
2	E			08/21/20		Hold				

Initial Cure: Outside

Final Cure: Moist Room

Comments:

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.: Bryan Edwards

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.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT



Report Number: 70191114.0012
Service Date: 08/20/20
Report Date: 08/28/20 Revision 1 - 7-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

Services Requested By: David Daughtey with Ray West Design Build

Concrete Contractor: Carolina Concrete Finishing

Concrete Placement: Isolated footing and slab-on-grade

Observation Location(s): Building Pad column lines are 8-D to 8-A to 4-A to 4D - Footing column lines are 4D to 1-D to AA to A-4 to 4-D

Concrete Type: Fiber reinforced, 3000-psi concrete supplied by Concrete Service Inc (Mix ID: 30CF0000)

Method of Placement: Pump

Method of Consolidation: Mechanical Vibrator

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): 2] were fabricated during today's concrete activities.

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 Ray West Design Build at the completion of today's activities.

Referenced Drawings: S-2 Sheet two of five

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.: Bryan Edwards

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
(1) RAYWEST DESIGNBUILD, Greg West

(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray


Reviewed By: _____

Giovanni Castro, P.E.

Senior Engineer

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.



Spout Springs Outparcel	Site Plan: CONCRETE POUR PHOTO	
	Report Number: 70191114.0012	
1655 Buffalo Lake Road	Technician: Bryan Edwards	2401 Brentwood Rd Ste 107
Sanford, NC 27332	Date: 08/20/20	Raleigh, NC 27604-3686
	Scale: Not to Scale	919-873-2211 Reg No: F-0869

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Terracon

Report Number: 70191114.0012
Service Date: 08/20/20
Report Date: 09/01/20 Revision 2 - 7-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: 30CF-1940
Supplier: Concrete Service Inc
Batch Time: 0930 Plant: 3
Truck No.: 4359 Ticket No.: 384226

Sample Information

Sample Date: 08/20/20 Sample Time: 1030
Sampled By: Bryan Edwards
Weather Conditions: Clear-
Accumulative Yards: 10/110 Batch Size (cy): 10
Placement Method: Pump
Water Added Before (gal):
Water Added After (gal):
Sample Location: Column 8-C
Placement Location: Building Pad column lines are 8-D to 8-A to 4-A to 4D - Footing column lines are 4D to 1-D to AA to A-4 to 4-D

Field Test Data

Test	Result	Specification
Slump (in):	5	3 - 5
Air Content (%):	1.0	0 - 3
Concrete Temp. (F):	85	75 - 95
Ambient Temp. (F):	70	30 - 100
Plastic Unit Wt. (pcf):	146.0	
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	3.99	12.5	08/21/20	08/27/20	7	32,740	2,620	3	DKL
1	B	4.00	12.57	08/21/20	09/17/20	28				
1	C	4.00	12.57	08/21/20	09/17/20	28				
1	D	4.00	12.57	08/21/20	09/17/20	28				
1	E	4.00	12.57	08/21/20	09/17/20	28				

Initial Cure: Outside

Final Cure: Moist Room

Comments:

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.: Bryan Edwards

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

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.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT



Report Number: 70191114.0012
Service Date: 08/20/20
Report Date: 09/01/20 Revision 2 - 7-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: 30CF-1940
Supplier: Concrete Service Inc
Batch Time: 1100 Plant: 3
Truck No.: 4350 Ticket No.: 384233

Sample Information

Sample Date: 08/20/20 Sample Time: 1130
Sampled By: Bryan Edwards
Weather Conditions: Clear
Accumulative Yards: 10/70 Batch Size (cy): 10
Placement Method: Pump
Water Added Before (gal):
Water Added After (gal):
Sample Location: Column 7.5 B
Placement Location: Building Pad column lines are 8-D to 8-A to 4-A to 4D - Footing column lines are 4D to 1-D to AA to A-4 to 4-D

Field Test Data

Test	Result	Specification
Slump (in):	5	3 - 5
Air Content (%):	1.0	0 - 3
Concrete Temp. (F):	85	75 - 95
Ambient Temp. (F):	75	30 - 100
Plastic Unit Wt. (pcf):	147.0	
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
2	A	3.99	12.5	08/21/20	08/27/20	7	33,890	2,710	3	DKL
2	B	4.00	12.57	08/21/20	09/17/20	28				
2	C	4.00	12.57	08/21/20	09/17/20	28				
2	D	4.00	12.57	08/21/20	09/17/20	28				
2	E			08/21/20		Hold				

Initial Cure: Outside

Final Cure: Moist Room

Comments:

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.: Bryan Edwards

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.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT



Report Number: 70191114.0012
Service Date: 08/20/20
Report Date: 09/01/20 Revision 2 - 7-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

Services Requested By: David Daughtey with Ray West Design Build

Concrete Contractor: Carolina Concrete Finishing

Concrete Placement: Isolated footing and slab-on-grade

Observation Location(s): Building Pad column lines are 8-D to 8-A to 4-A to 4D - Footing column lines are 4D to 1-D to AA to A-4 to 4-D

Concrete Type: Fiber reinforced, 3000-psi concrete supplied by Concrete Service Inc (Mix ID: 30CF0000)

Method of Placement: Pump

Method of Consolidation: Mechanical Vibrator

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): 2] were fabricated during today's concrete activities.

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 Ray West Design Build at the completion of today's activities.

Referenced Drawings: S-2 Sheet two of five

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.: Bryan Edwards

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
(1) RAYWEST DESIGNBUILD, Greg West

(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray


Reviewed By: _____

Giovanni Castro, P.E.

Senior Engineer

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.



Spout Springs Outparcel	Site Plan: CONCRETE POUR PHOTO	
	Report Number: 70191114.0012	
1655 Buffalo Lake Road	Technician: Bryan Edwards	2401 Brentwood Rd Ste 107
Sanford, NC 27332	Date: 08/20/20	Raleigh, NC 27604-3686
	Scale: Not to Scale	919-873-2211 Reg No: F-0869

CONCRETE COMPRESSIVE STRENGTH TEST REPORT



Report Number: 70191114.0006A
Service Date: 08/06/20
Report Date: 09/03/20 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:
Supplier:
Batch Time: 1424 Plant:
Truck No.: 4354 Ticket No.: 996

Sample Information

Sample Date: 08/06/20 Sample Time:
Sampled By: Alex Bullard
Weather Conditions: Cloudy and Raining
Accumulative Yards: 1/10 Batch Size (cy): 10
Placement Method: Chute
Water Added Before (gal):
Water Added After (gal):
Sample Location: South West Outside Footer
Placement Location: South West Outside Footer

Field Test Data

Test	Result	Specification
Slump (in):	3 1/2	2 - 4
Air Content (%):	3.0 *	5 - 7
Concrete Temp. (F):	86	
Ambient Temp. (F):	84	
Plastic Unit Wt. (pcf):	145.5	
Yield (Cu. Yds.):		

* = Field Test Results do not meet project specifications.

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	3.99	12.5	08/10/20	08/13/20	7	15,000	1,200	2	DKL
1	C	3.99	12.5	08/10/20	09/03/20	28	27,810	2,220	3	DAS
1	D	3.99	12.5	08/10/20	09/03/20	28	25,270	2,020	3	DAS
1	E	3.99	12.5	08/10/20	09/03/20	28	20,380	1,630	3	DAS
Average (28 days)								1,960	*	
1	F	4.00	12.57	08/10/20	10/01/20	56				

Initial Cure: Outside

Final Cure: Moist Room

Comments: * Average compressive strength of 28 day cylinders does not comply with the specified strength.

Cores were taken and it exceeded the 3000 psi requirement. See 70191114.009C

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.: Alex Bullard

Reported To: David 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 sample tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Terracon

Report Number: 70191114.0006A
Service Date: 08/06/20
Report Date: 09/03/20 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

Services Requested By: David Daughtey with Ray West Design Build

Concrete Contractor: Carolina Concrete Finishing

Concrete Placement: Isolated footing

Observation Location(s): South West Perimeter Footer

Subgrade Review: The subgrade consisted of Greyish Red Silty Sand and was observed to be firm and stable.

Reinforcing Steel Review: Reinforcing steel was reviewed and was observed to be in general accordance with the project drawings identified below.

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 Co. (Mix ID: 30CF0000)

Method of Placement: Pump

Tests Performed: Concrete slump, temperature and unit weight measurements were performed and the results were in accordance with project specifications. Concrete air measurements were performed and the results were not in accordance with project specifications.

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

Weather Protection: None Observed

Summary: Based on our observations, cast-in-place concrete construction activities at the above-referenced locations did not appear to be completed in accordance with project plans and specifications. Refer to the comments section and the attached deviation report for a discussion of non-conforming items. Results were reported to David Daughtey at the completion of today's activities.

Referenced Drawings: S-2

Additional Comments: After concrete had arrived and crew was beginning to place we experienced heavy rainfall. No protection was observed during today's activities and crew dug a trench at the completion of today to try and remove water standing on concrete pour area.

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.: Alex Bullard

Reported To: David with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
(1) RAYWEST DESIGNBUILD, Greg West

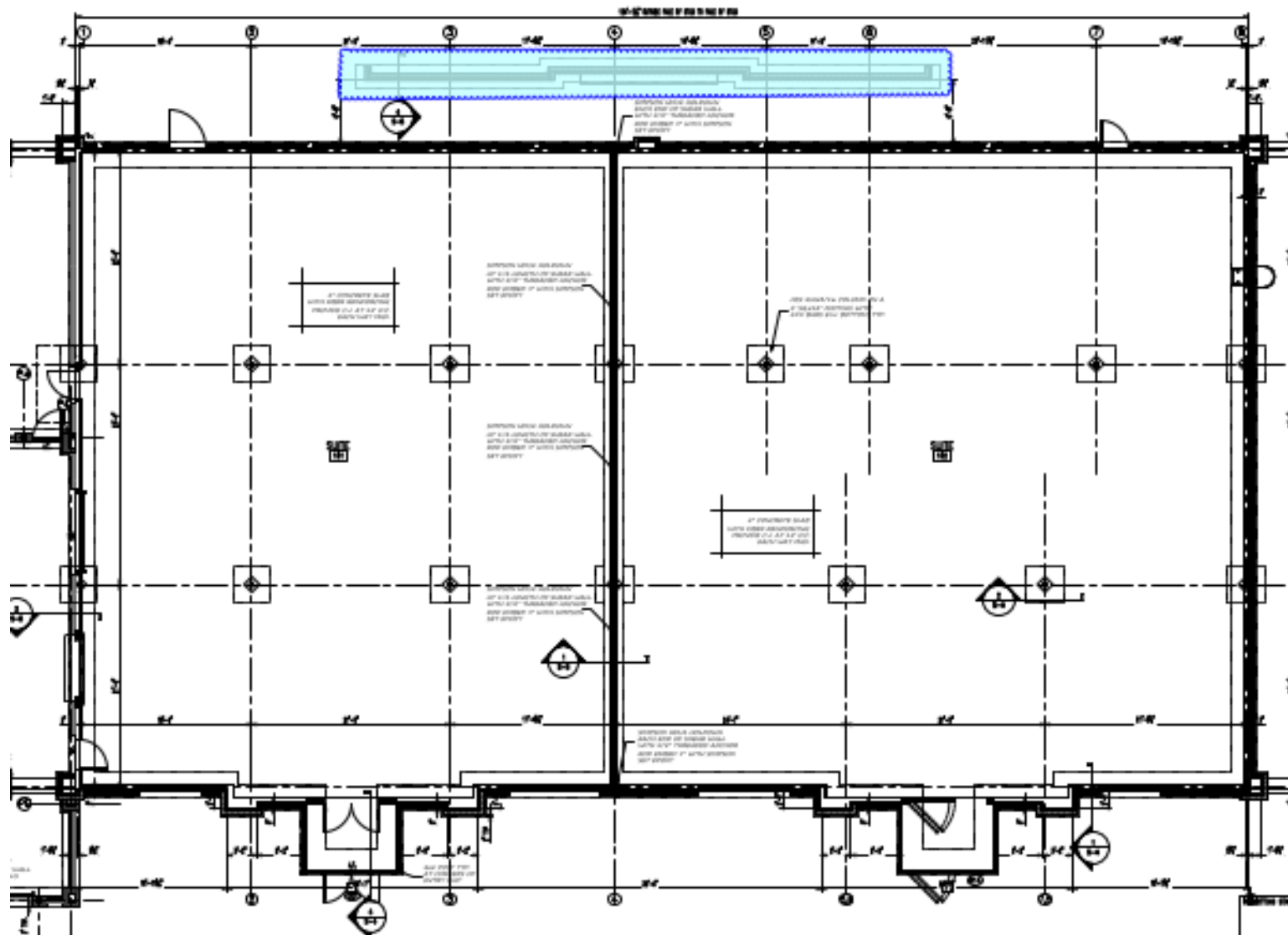
(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray


Reviewed By: _____

Giovanni Castro, P.E.


Senior Engineer

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.



Spout Springs Outparcel	Site Plan: S2.0	
	Report Number: 70191114.0006A	
1655 Buffalo Lake Road	Technician: Alex Bullard	2401 Brentwood Rd Ste 107
Sanford, NC 27332	Date: 08/06/20	Raleigh, NC 27604-3686
	Scale: Not to Scale	919-873-2211 Reg No: F-0869



Spout Springs Outparcel	Site Plan:	
	Report Number: 70191114.0006A	
1655 Buffalo Lake Road	Technician: Alex Bullard	2401 Brentwood Rd Ste 107
Sanford, NC 27332	Date: 08/06/20	Raleigh, NC 27604-3686
	Scale: Not to Scale	919-873-2211 Reg No: F-0869

Concrete Core Test Report

Report Number: 70191114.0009C
Service Date: 08/13/20
Report Date: 09/03/20 Revision 1 - 28 day break
Task: Concrete Testing

Terracon

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: 3000 psi @ 28 days

Specified Length:

Mix ID:

Nominal Maximum Size Aggregate:

Sample Information

Placement Date:

Date Tested:

Time:

Sampled By: Bryan Edwards

Drill Directions: Vertical

Date Core Obtained: 08/13/20

Time: 0000

Date Ends Trimmed: 08/13/20

Time: 0000

Moisture Conditioning History: According to ASTM C-42

Laboratory Test Data

Core ID	Location	Cored Length (in)	Trim Length (in)	Capped Length (in)	Diam. (in)	Area (sq in)	Length / Diam. Ratio	Max Load (lbs)	Corr. Factor	Comp. Strength (psi)	Fracture Type	Density (pcf)	Tested By
1	Footing	11.00	7.60	7.88	3.93	12.13	2.01	37130	1.000	3060	3	144.0	DKL
2	Footing	9.25	7.60	8.03	3.93	12.13	2.04	40890	1.000	3370	3	142.7	DAS

Comments: Core #1 was tested on 8/13/2020 Core #2 was tested on 9/3/2020

Services: Obtain 4" nominal diameter cores from concrete placed for paving. Deliver the cores to the laboratory for testing to determine the length and compressive strength.

Reported To:

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:

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CONCRETE COMPRESSIVE STRENGTH TEST REPORT



Report Number: 70191114.0009
Service Date: 08/13/20
Report Date: 09/11/20 Revision 1 - 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: 30F00000
Supplier: Concrete Service
Batch Time: 0630 Plant: 3
Truck No.: 4362 Ticket No.: 384184

Sample Information

Sample Date: 08/13/20 Sample Time: 0700
Sampled By: Bryan Edwards
Weather Conditions: Clear
Accumulative Yards: 11 Batch Size (cy): 11
Placement Method: Direct Discharge
Water Added Before (gal):
Water Added After (gal):
Sample Location: Patio Footing column PA to P6
Placement Location: Patio Footing

Field Test Data

Test	Result	Specification
Slump (in):	5	3 - 5
Air Content (%):	1.0	0 - 1
Concrete Temp. (F):	85	75 - 95
Ambient Temp. (F):	75	30 - 100
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	3.99	12.5	08/17/20	08/20/20	7	30,230	2,420	2	DKL
1	B	3.98	12.44	08/17/20	09/10/20	28	47,390	3,810	2	DAS
1	C	3.98	12.44	08/17/20	09/10/20	28	44,650	3,590	2	DAS
1	D	3.98	12.44	08/17/20	09/10/20	28	47,340	3,810	3	DAS
						Average (28 days)		3,730		
1	E			08/17/20		Hold				

Initial Cure: Outside

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.: Bryan Edwards

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.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT



Report Number: 70191114.0009
Service Date: 08/13/20
Report Date: 09/11/20 Revision 1 - 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

Services Requested By: David Daughtey with Ray West Design Build
Concrete Contractor: Carolina Concrete Finishing
Concrete Placement: Continuous footing
Observation Location(s): Patio Footing- Columns (A to P6 / P6 to PF / PF to PA / PA to P4)
Concrete Type: 3000-psi concrete supplied by Concrete Service (Mix ID: 30CF0000)
Method of Placement: Chute
Method of Consolidation: Mechanical Vibrator
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.
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 Ray West Design Build at the completion of today's activities.
Referenced Drawings: 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.: Bryan Edwards

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
(1) RAYWEST DESIGNBUILD, Greg West

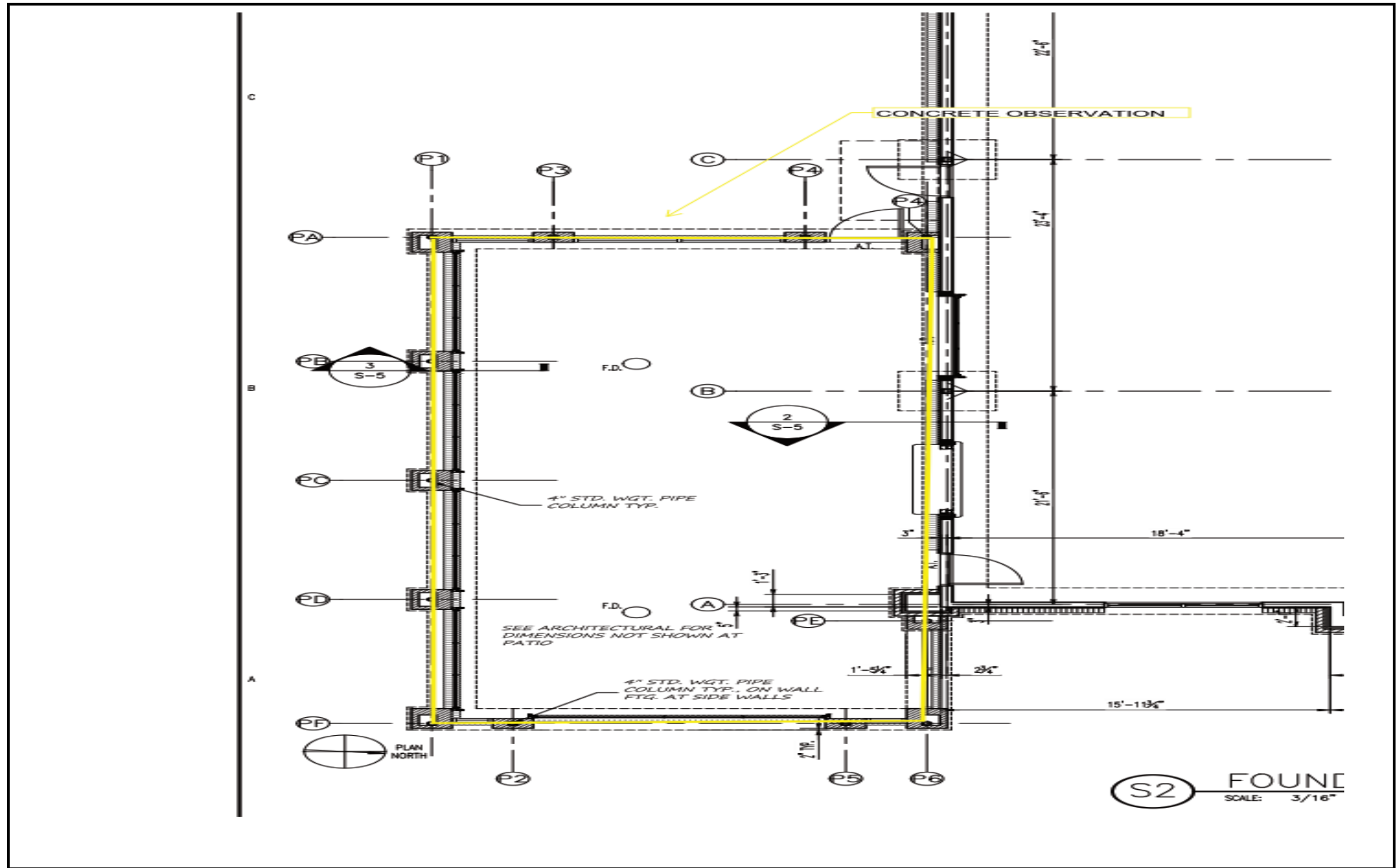
(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray


Reviewed By: _____

Giovanni Castro, P.E.


Senior Engineer

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Spout Springs Outparcel	Site Plan: CONCRETE LAYOUT	
	Report Number: 70191114.0009	
1655 Buffalo Lake Road	Technician: Bryan Edwards	2401 Brentwood Rd Ste 107
Sanford, NC 27332	Date: 08/13/20	Raleigh, NC 27604-3686
	Scale: Not to Scale	919-873-2211 Reg No: F-0869



Spout Springs Outparcel	Site Plan:	
	Report Number: 70191114.0009	
1655 Buffalo Lake Road	Technician: Bryan Edwards	2401 Brentwood Rd Ste 107
Sanford, NC 27332	Date: 08/13/20	Raleigh, NC 27604-3686

	Scale: Not to Scale	919-873-2211 Reg No: F-0869
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CONCRETE SAMPLE PICK-UP REPORT

Report Number: 70191114.0015
Service Date: 09/15/20
Report Date: 09/17/20
Task: Concrete Testing

Terracon

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

SAMPLE TYPE: 4" x 8" Concrete Cylinders.

SAMPLE NUMBER: 1

DATE CAST: 9/14/2020

1 set of 5 samples per set were retrieved and transported to our laboratory and placed in a temperature and humidity-controlled environment for future compressive strength testing. One 7 day, three 28 day, and one reserve break tests will be performed on the 1 set of 5 samples.

Services: Obtain concrete test samples and place them in a controlled curing environment.

Terracon Rep.: Ahmed Al-Hoory

Reported To:

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

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.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT



Report Number: 70191114.0012
Service Date: 08/20/20
Report Date: 09/18/20 Revision 3 - 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: 30CF-1940
Supplier: Concrete Service Inc
Batch Time: 0930 Plant: 3
Truck No.: 4359 Ticket No.: 384226

Sample Information

Sample Date: 08/20/20 Sample Time: 1030
Sampled By: Bryan Edwards
Weather Conditions: Clear-
Accumulative Yards: 10/110 Batch Size (cy): 10
Placement Method: Pump
Water Added Before (gal):
Water Added After (gal):
Sample Location: Column 8-C
Placement Location: Building Pad column lines are 8-D to 8-A to 4-A to 4D - Footing column lines are 4D to 1-D to AA to A-4 to 4-D

Field Test Data

Test	Result	Specification
Slump (in):	5	3 - 5
Air Content (%):	1.0	0 - 3
Concrete Temp. (F):	85	75 - 95
Ambient Temp. (F):	70	30 - 100
Plastic Unit Wt. (pcf):	146.0	
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	3.99	12.5	08/21/20	08/27/20	7	32,740	2,620	3	DKL
1	B	3.99	12.5	08/21/20	09/17/20	28	51,370	4,110	2	DAS
1	C	3.99	12.5	08/21/20	09/17/20	28	48,640	3,890	3	DAS
1	D	3.99	12.5	08/21/20	09/17/20	28	50,430	4,030	2	DAS
1	E	3.99	12.5	08/21/20	09/17/20	28	49,500	3,960	3	DAS
Average (28 days)								4,000		

Initial Cure: Outside

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.: Bryan Edwards

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

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.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT



Report Number: 70191114.0012
Service Date: 08/20/20
Report Date: 09/18/20 Revision 3 - 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: 30CF-1940
Supplier: Concrete Service Inc
Batch Time: 1100 Plant: 3
Truck No.: 4350 Ticket No.: 384233

Sample Information

Sample Date: 08/20/20 Sample Time: 1130
Sampled By: Bryan Edwards
Weather Conditions: Clear
Accumulative Yards: 10/70 Batch Size (cy): 10
Placement Method: Pump
Water Added Before (gal):
Water Added After (gal):
Sample Location: Column 7.5 B
Placement Location: Building Pad column lines are 8-D to 8-A to 4-A to 4D - Footing column lines are 4D to 1-D to AA to A-4 to 4-D

Field Test Data

Test	Result	Specification
Slump (in):	5	3 - 5
Air Content (%):	1.0	0 - 3
Concrete Temp. (F):	85	75 - 95
Ambient Temp. (F):	75	30 - 100
Plastic Unit Wt. (pcf):	147.0	
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	
2	A	3.99	12.5	08/21/20	08/27/20	7	33,890	2,710	3	DKL	
2	B	3.99	12.5	08/21/20	09/17/20	28	46,440	3,710	3	DAS	
2	C	3.99	12.5	08/21/20	09/17/20	28	47,470	3,800	2	DAS	
2	D	3.99	12.5	08/21/20	09/17/20	28	46,020	3,680	3	DAS	
								Average (28 days)	3,730		
2	E			08/21/20		Hold					

Initial Cure: Outside

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.: Bryan Edwards

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.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Terracon

Report Number: 70191114.0012
Service Date: 08/20/20
Report Date: 09/18/20 Revision 3 - 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

Services Requested By: David Daughtey with Ray West Design Build

Concrete Contractor: Carolina Concrete Finishing

Concrete Placement: Isolated footing and slab-on-grade

Observation Location(s): Building Pad column lines are 8-D to 8-A to 4-A to 4D - Footing column lines are 4D to 1-D to AA to A-4 to 4-D

Concrete Type: Fiber reinforced, 3000-psi concrete supplied by Concrete Service Inc (Mix ID: 30CF0000)

Method of Placement: Pump

Method of Consolidation: Mechanical Vibrator

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): 2] were fabricated during today's concrete activities.

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 Ray West Design Build at the completion of today's activities.

Referenced Drawings: S-2 Sheet two of five

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.: Bryan Edwards

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
(1) RAYWEST DESIGNBUILD, Greg West

(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray


Reviewed By: _____

Giovanni Castro, P.E.

Senior Engineer

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.



Spout Springs Outparcel	Site Plan: CONCRETE POUR PHOTO	
	Report Number: 70191114.0012	
1655 Buffalo Lake Road	Technician: Bryan Edwards	2401 Brentwood Rd Ste 107
Sanford, NC 27332	Date: 08/20/20	Raleigh, NC 27604-3686
	Scale: Not to Scale	919-873-2211 Reg No: F-0869

CONCRETE COMPRESSIVE STRENGTH TEST REPORT



Report Number: 70191114.0014
Service Date: 09/14/20
Report Date: 09/21/20
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: 30CF0000
Supplier: Concrete Service Co Inc.,
Batch Time: 0655 Plant: 3
Truck No.: 4379 Ticket No.: 384313

Sample Information

Sample Date: 09/14/20 Sample Time: 0730
Sampled By: Suman Uprety
Weather Conditions: Low humid
Accumulative Yards: 10/38 Batch Size (cy): 10
Placement Method: Pump
Water Added Before (gal):
Water Added After (gal):
Sample Location: Southern Slab on Grade at C,D-1,2
Placement Location: Southern Slab on Grade

Field Test Data

Test	Result	Specification
Slump (in):	4 1/2	3 1/2 - 4 1/2
Air Content (%):	1.0	0 - 3
Concrete Temp. (F):	81	
Ambient Temp. (F):	72	
Plastic Unit Wt. (pcf):	146.0	
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	4.01	12.63	09/15/20	09/21/20	7	27,590	2,180	3	DKL
1	B	4.00	12.57	09/15/20	10/12/20	28				
1	C	4.00	12.57	09/15/20	10/12/20	28				
1	D	4.00	12.57	09/15/20	10/12/20	28				
1	E			09/15/20		Hold				

Initial Cure: Onsite Cooler

Final Cure: Moist Room

Comments:

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.: Suman Uprety

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.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Terracon

Report Number: 70191114.0014
Service Date: 09/14/20
Report Date: 09/21/20
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

Services Requested By: RayWest Design Build

Concrete Contractor: Carolina Concrete Finishing

Concrete Placement: Slab-on-grade

Observation Location(s): Southern Slab on Grade

Subgrade Review: The subgrade consisted of Washed Stone and was observed to be firm and stable.

Reinforcing Steel Review: Reinforcing steel was reviewed and was observed to be in general accordance with the project drawings identified below.

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 Co Inc., (Mix ID: 30CF0000)

Method of Placement: Pump

Method of Consolidation: Screed

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: Not Observed

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: 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.: Suman Uprety

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
(1) RAYWEST DESIGNBUILD, Greg West

(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray

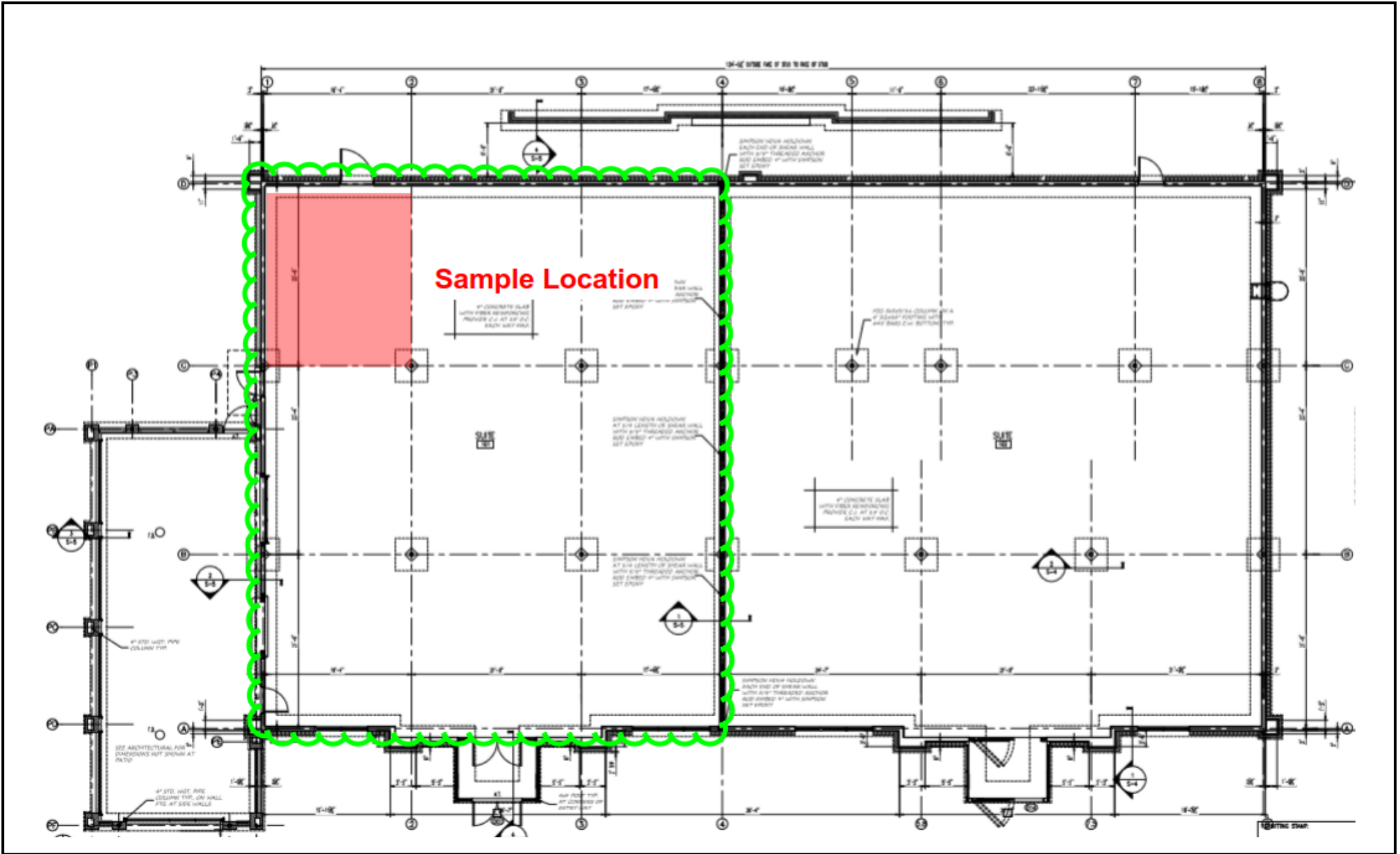
Reviewed By:



Giovanni Castro, P.E.

Senior Engineer

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.



Spout Springs Outparcel

Site Plan: S-2 (Observed Location)

Report Number: 70191114.0014

1655 Buffalo Lake Road

Technician: Suman Uprety

Sanford, NC 27332

Date: 09/14/20

Scale: Not to Scale




2401 Brentwood Rd Ste 107

Raleigh, NC 27604-3686

919-873-2211 Reg No: F-0869



Spout Springs Outparcel	Site Plan: Observed Location	
	Report Number: 70191114.0014	
1655 Buffalo Lake Road	Technician: Suman Uprety	2401 Brentwood Rd Ste 107
Sanford, NC 27332	Date: 09/14/20	Raleigh, NC 27604-3686
	Scale: Not to Scale	919-873-2211 Reg No: F-0869

CONCRETE COMPRESSIVE STRENGTH TEST REPORT



Report Number: 70191114.0006A
Service Date: 08/06/20
Report Date: 10/01/20 Revision 3 - 56-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:
Supplier:
Batch Time: 1424 Plant:
Truck No.: 4354 Ticket No.: 996

Sample Information

Sample Date: 08/06/20 Sample Time:
Sampled By: Alex Bullard
Weather Conditions: Cloudy and Raining
Accumulative Yards: 1/10 Batch Size (cy): 10
Placement Method: Chute
Water Added Before (gal):
Water Added After (gal):
Sample Location: South West Outside Footer
Placement Location: South West Outside Footer

Field Test Data

Test	Result	Specification
Slump (in):	3 1/2	2 - 4
Air Content (%):	3.0 *	5 - 7
Concrete Temp. (F):	86	
Ambient Temp. (F):	84	
Plastic Unit Wt. (pcf):	145.5	
Yield (Cu. Yds.):		

* = Field Test Results do not meet project specifications.

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	3.99	12.5	08/10/20	08/13/20	7	15,000	1,200	2	DKL
1	C	3.99	12.5	08/10/20	09/03/20	28	27,810	2,220	3	DAS
1	D	3.99	12.5	08/10/20	09/03/20	28	25,270	2,020	3	DAS
1	E	3.99	12.5	08/10/20	09/03/20	28	20,380	1,630	3	DAS
Average (28 days)								1,960	*	
1	F	4.00	12.57	08/10/20	10/01/20	56	34,010	2,710	*	SHH

Initial Cure: Outside

Final Cure: Moist Room

Comments: * Compressive strength of 56 day cylinders does not comply with the specified strength.

Cores were taken and it exceeded the 3000 psi requirement. See 70191114.009C

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.: Alex Bullard

Reported To: David 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.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT



Report Number: 70191114.0006A
Service Date: 08/06/20
Report Date: 10/01/20 Revision 3 - 56-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

Services Requested By: David Daughtey with Ray West Design Build

Concrete Contractor: Carolina Concrete Finishing

Concrete Placement: Isolated footing

Observation Location(s): South West Perimeter Footer

Subgrade Review: The subgrade consisted of Greyish Red Silty Sand and was observed to be firm and stable.

Reinforcing Steel Review: Reinforcing steel was reviewed and was observed to be in general accordance with the project drawings identified below.

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 Co. (Mix ID: 30CF0000)

Method of Placement: Pump

Tests Performed: Concrete slump, temperature and unit weight measurements were performed and the results were in accordance with project specifications. Concrete air measurements were performed and the results were not in accordance with project specifications.

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

Weather Protection: None Observed

Summary: Based on our observations, cast-in-place concrete construction activities at the above-referenced locations did not appear to be completed in accordance with project plans and specifications. Refer to the comments section and the attached deviation report for a discussion of non-conforming items. Results were reported to David Daughtey at the completion of today's activities.

Referenced Drawings: S-2

Additional Comments: After concrete had arrived and crew was beginning to place we experienced heavy rainfall. No protection was observed during today's activities and crew dug a trench at the completion of today to try and remove water standing on concrete pour area.

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.: Alex Bullard

Reported To: David with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
(1) RAYWEST DESIGNBUILD, Greg West

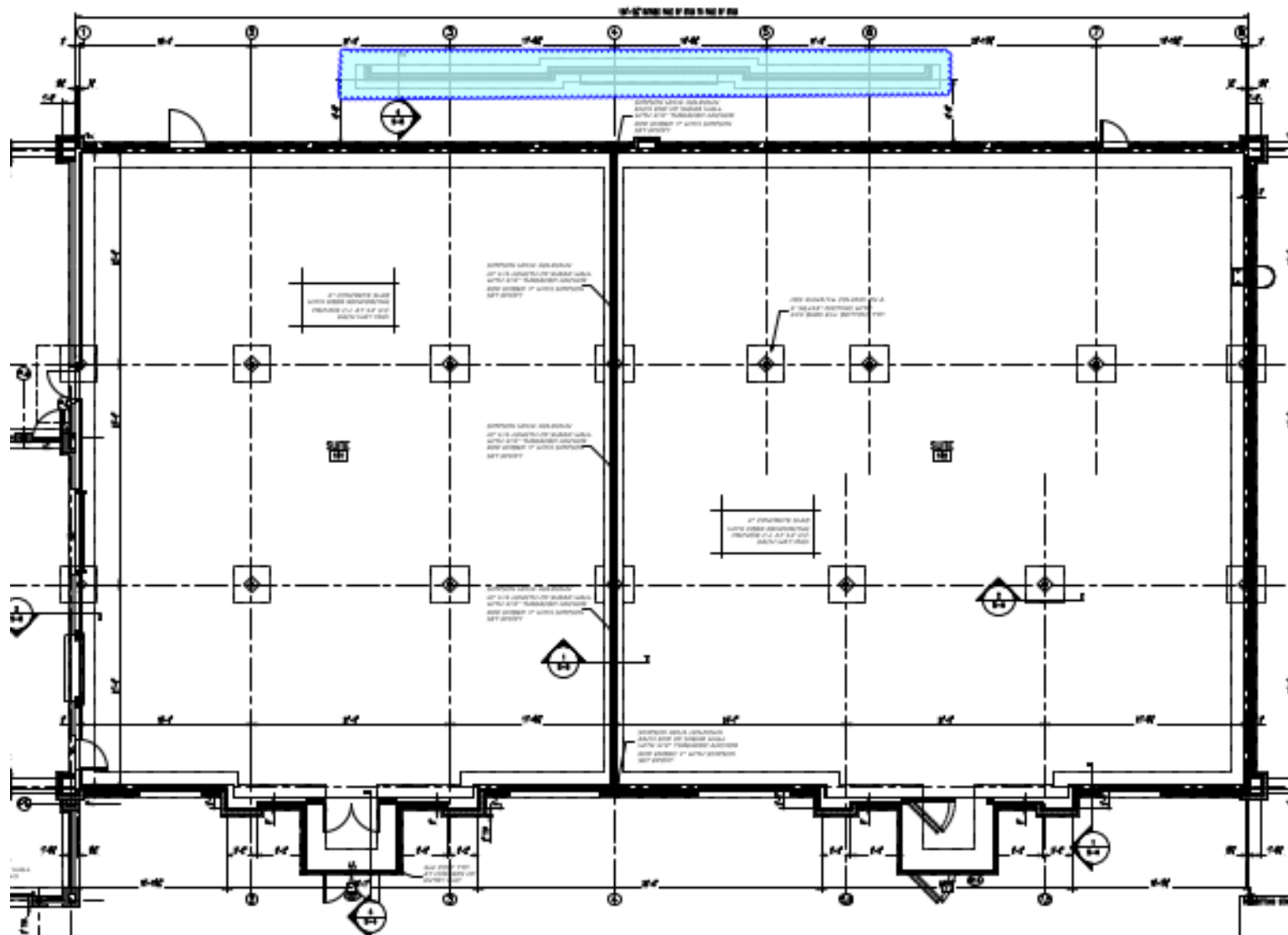
(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray


Reviewed By: _____

Giovanni Castro, P.E.


Senior Engineer

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.



Spout Springs Outparcel	Site Plan: S2.0	
	Report Number: 70191114.0006A	
1655 Buffalo Lake Road	Technician: Alex Bullard	2401 Brentwood Rd Ste 107
Sanford, NC 27332	Date: 08/06/20	Raleigh, NC 27604-3686
	Scale: Not to Scale	919-873-2211 Reg No: F-0869



Spout Springs Outparcel	Site Plan:	
	Report Number: 70191114.0006A	
1655 Buffalo Lake Road	Technician: Alex Bullard	2401 Brentwood Rd Ste 107
Sanford, NC 27332	Date: 08/06/20	Raleigh, NC 27604-3686
	Scale: Not to Scale	919-873-2211 Reg No: F-0869

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Terracon

Report Number: 70191114.0016
Service Date: 10/07/20
Report Date: 10/12/20
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	4.00	12.57	10/08/20	10/14/20	7				
1	B	4.00	12.57	10/08/20	11/04/20	28				
1	C	4.00	12.57	10/08/20	11/04/20	28				
1	D	4.00	12.57	10/08/20	11/04/20	28				
1	E			10/08/20		Hold				

Initial Cure: Onsite Cooler

Final Cure: Moist Room

Comments:

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.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT



Report Number: 70191114.0016
Service Date: 10/07/20
Report Date: 10/12/20
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

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
(1) RAYWEST DESIGNBUILD, Greg West

(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray

Reviewed By: _____


Giovanni Castro, P.E.

Senior Engineer

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.



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

CONCRETE SAMPLE PICK-UP REPORT



Report Number: 70191114.0017
Service Date: 10/08/20
Report Date: 10/08/20
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

SAMPLE TYPE: 4x8 cylinders

DATE CAST:10-7-20

1 set(s) of 5 samples per set were retrieved and transported to our laboratory and placed in a temperature and humidity-controlled environment for future compressive strength testing.

Services: Obtain concrete test samples and place them in a controlled curing environment.

Terracon Rep.: David Hunt

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
(1) RAYWEST DESIGNBUILD, Greg West

(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray

Reviewed By: _____

Giovanni Castro, P.E.

Senior Engineer

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.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Terracon

Report Number: 70191114.0014
Service Date: 09/14/20
Report Date: 10/12/20 Revision 1 - 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: 30CF0000
Supplier: Concrete Service Co Inc.,
Batch Time: 0655 Plant: 3
Truck No.: 4379 Ticket No.: 384313

Sample Information

Sample Date: 09/14/20 Sample Time: 0730
Sampled By: Suman Uprety
Weather Conditions: Low humid
Accumulative Yards: 10/38 Batch Size (cy): 10
Placement Method: Pump
Water Added Before (gal):
Water Added After (gal):
Sample Location: Southern Slab on Grade at C,D-1,2
Placement Location: Southern Slab on Grade

Field Test Data

Test	Result	Specification
Slump (in):	4 1/2	3 1/2 - 4 1/2
Air Content (%):	1.0	0 - 3
Concrete Temp. (F):	81	
Ambient Temp. (F):	72	
Plastic Unit Wt. (pcf):	146.0	
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	4.01	12.63	09/15/20	09/21/20	7	27,590	2,180	3	DKL
1	B	3.99	12.5	09/15/20	10/12/20	28	41,880	3,350	2	DKL
1	C	3.99	12.5	09/15/20	10/12/20	28	41,810	3,340	2	DKL
1	D	3.99	12.5	09/15/20	10/12/20	28	41,280	3,300	3	DKL
						Average (28 days)		3,330		
1	E			09/15/20		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.: Suman Uprety

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.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Terracon

Report Number: 70191114.0014
Service Date: 09/14/20
Report Date: 10/12/20 Revision 1 - 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

Services Requested By: RayWest Design Build

Concrete Contractor: Carolina Concrete Finishing

Concrete Placement: Slab-on-grade

Observation Location(s): Southern Slab on Grade

Subgrade Review: The subgrade consisted of Washed Stone and was observed to be firm and stable.

Reinforcing Steel Review: Reinforcing steel was reviewed and was observed to be in general accordance with the project drawings identified below.

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 Co Inc., (Mix ID: 30CF0000)

Method of Placement: Pump

Method of Consolidation: Screed

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: Not Observed

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: 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.: Suman Uprety

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
(1) RAYWEST DESIGNBUILD, Greg West

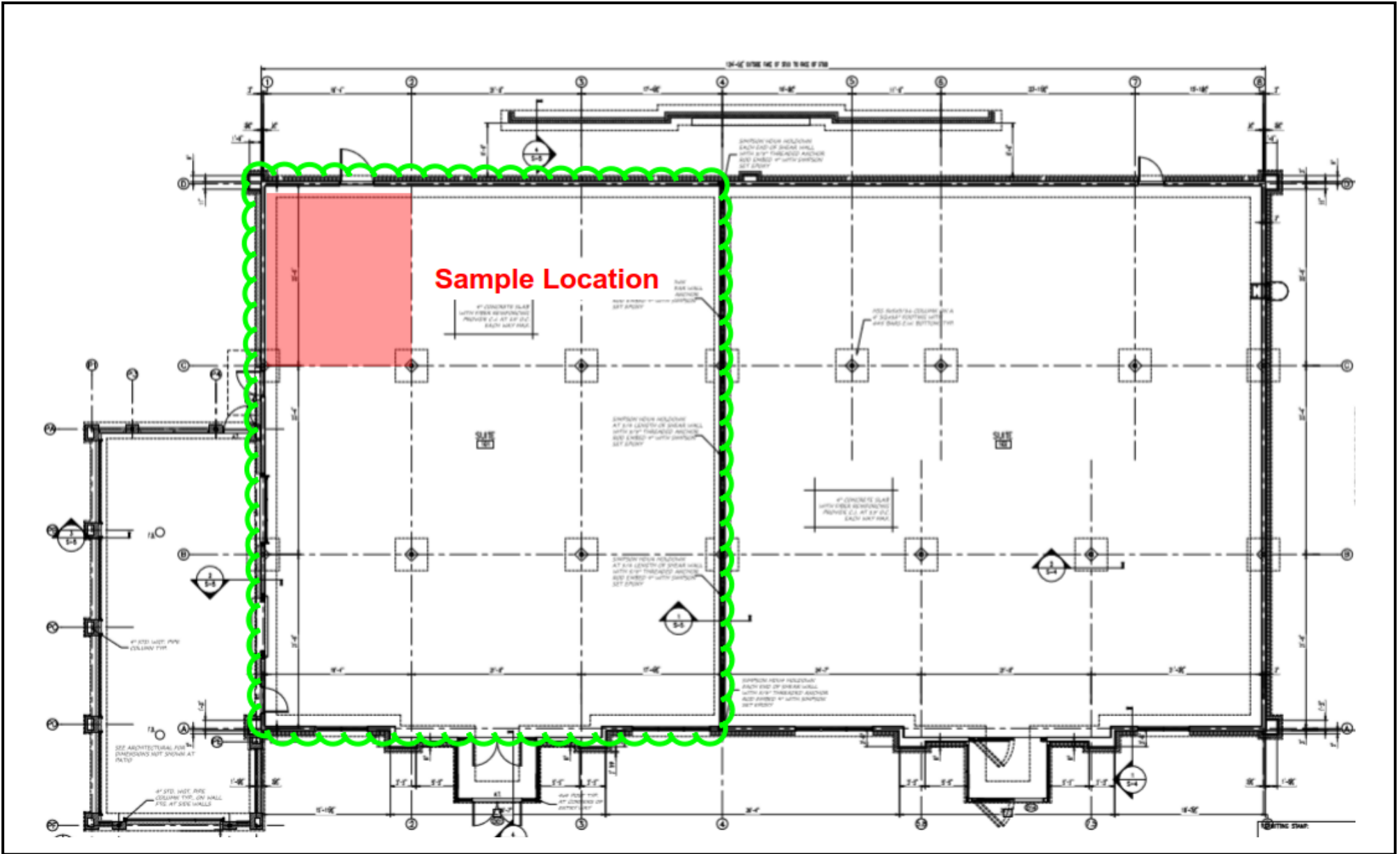
(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray

Reviewed By: _____

Giovanni Castro, P.E.

Senior Engineer

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.



Spout Springs Outparcel

Site Plan: S-2 (Observed Location)

Report Number: 70191114.0014

1655 Buffalo Lake Road

Technician: Suman Uprety

Sanford, NC 27332

Date: 09/14/20

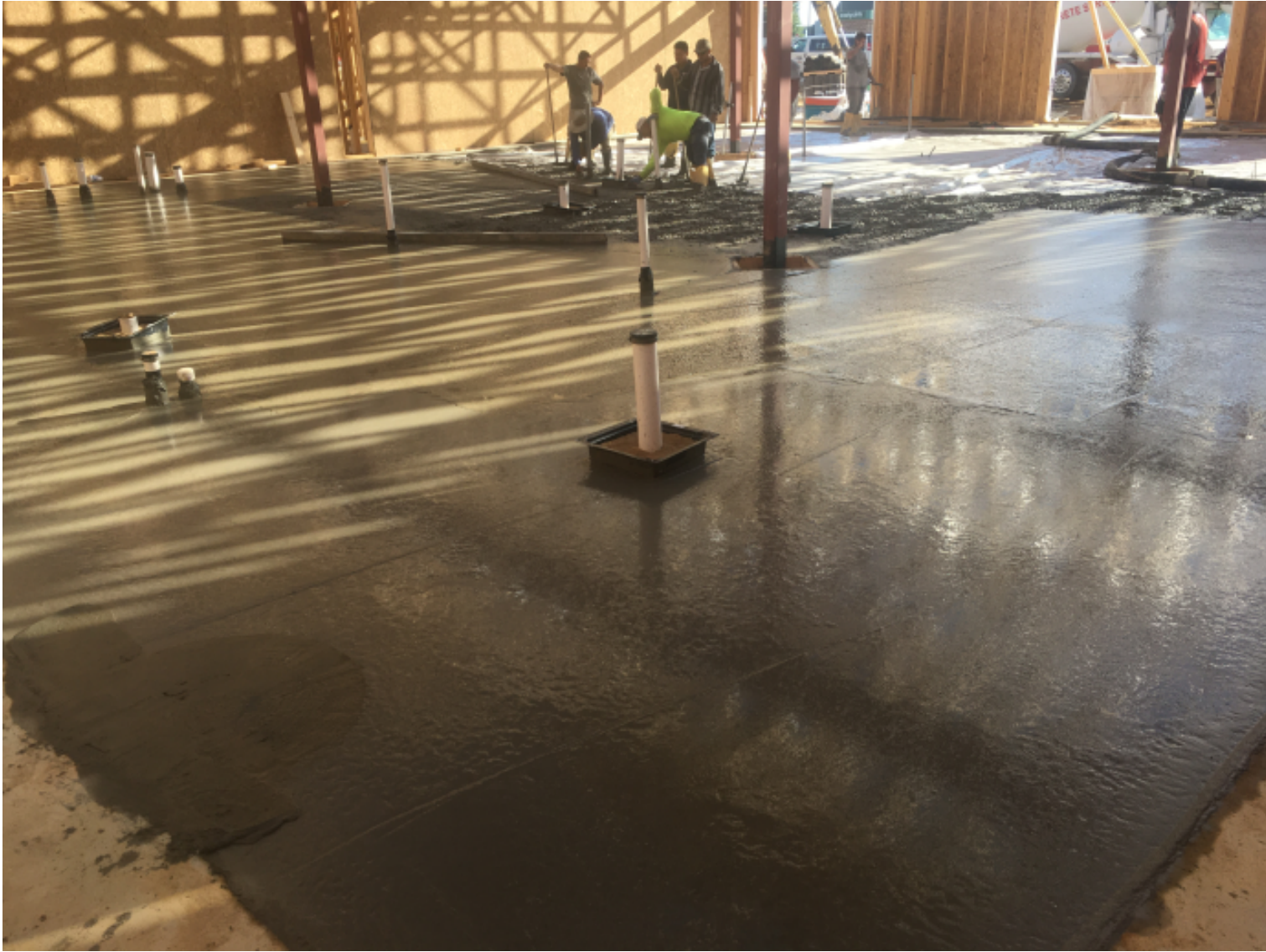
Scale: Not to Scale




2401 Brentwood Rd Ste 107

Raleigh, NC 27604-3686

919-873-2211 Reg No: F-0869



Spout Springs Outparcel	Site Plan: Observed Location	
	Report Number: 70191114.0014	
1655 Buffalo Lake Road	Technician: Suman Uprety	2401 Brentwood Rd Ste 107
Sanford, NC 27332	Date: 09/14/20	Raleigh, NC 27604-3686
	Scale: Not to Scale	919-873-2211 Reg No: F-0869

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Terracon

Report Number: 70191114.0016
Service Date: 10/07/20
Report Date: 10/14/20 Revision 1 - 7-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	4.00	12.57	10/08/20	11/04/20	28				
1	C	4.00	12.57	10/08/20	11/04/20	28				
1	D	4.00	12.57	10/08/20	11/04/20	28				
1	E			10/08/20		Hold				

Initial Cure: Onsite Cooler

Final Cure: Moist Room

Comments:

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.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Terracon

Report Number: 70191114.0016
Service Date: 10/07/20
Report Date: 10/14/20 Revision 1 - 7-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

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
(1) RAYWEST DESIGNBUILD, Greg West

(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray

Reviewed By: _____


Giovanni Castro, P.E.

Senior Engineer

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Test

Spout Springs Outparcel	Site Plan: South Covered Pation	
	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

WOOD FRAME OBSERVATIONS REPORT



Report Number: 70191114.0018
Service Date: 10/26/20
Report Date: 10/26/20
Task: Structural Steel/Wood

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

SERVICES REQUESTED BY: Spout Springs Outparcel

OBSERVATION LOCATION(S): The main building for the doctor office and the Mexican restaurant.

REFERENCED DOCUMENTS: 2012 International Building Code (IBC), Project Specifications, and truss design by the truss manufacturer.

OBSERVATION RESULTS: Based on our observations, the hurricane hangers, HUS hangers, and connections observed at the referenced locations were the proper size, type, in the proper location and placed in general accordance with the identified project drawings; Also, trusses have been designed and installed in accordance with 2012 International Building Code Section R502.11.1 and R802.10.2 and reference standard ANSI/TPI 1. E.

EXCEPT what is noted below. **The noted exception are deemed work in progress and should be re-inspected after completion.**

EXCEPTIONS: Please see the Underlined below.

COMMENTS:

Mexican restaurant outside patio.

- **HUS26 hangers on the eastern and western side for the roof trusses for the exterior patio were missing at the time of inspection.**

All Comments Were Communicated to: David Daughtey with Ray West Design Build. Contractor informed Terracon inspector that all these hangers will be placed by the end of the next business day (Oct. 27, 2020). Next request for observation, request the completed work to be reviewed.

Also note per Structural Notes – S-1: Drawings shall be made available to the building inspector for framing inspection.

Services: N/A

Terracon Rep.: Ahmed Al-Hoory

Reported To: David Daughtey with RayWest Design Build

Contractor:

Report Distribution:

(1) Venture Properties, L.L.C., Brian DeLong
(1) RAYWEST DESIGNBUILD, Greg West

(1) RAYWEST DESIGNBUILD, Ashley Vanbuskirk
(1) RAYWEST DESIGNBUILD, Hector Ray


Reviewed By: _____

Giovanni Castro, P.E.


Senior Engineer

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Spout Springs Outparcel	Site Plan: Hurricane hangers	
	Report Number: 70191114.0018	
1655 Buffalo Lake Road	Technician: Ahmed Al-Hoory	2401 Brentwood Rd Ste 107
Sanford, NC 27332	Date: 10/26/20	Raleigh, NC 27604-3686
	Scale: Not to Scale	919-873-2211 Reg No: F-0869



Spout Springs Outparcel	Site Plan: HUS hangers on the norther side of the exterior patio	
	Report Number: 70191114.0018	
1655 Buffalo Lake Road	Technician: Ahmed Al-Hoory	2401 Brentwood Rd Ste 107
Sanford, NC 27332	Date: 10/26/20	Raleigh, NC 27604-3686
	Scale: Not to Scale	919-873-2211 Reg No: F-0869

DEVIATION LOG**Report Date:** 10/26/20202401 Brentwood Rd
Ste 107
Raleigh, NC 27604-3686
919-873-2211**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

Deviation No.	Report No.	Service	Service Date	Description/Comments	How Resolved	Date Resolved	Status
D000001	0006A	Concrete Compressive Strength Test	08/06/20	Air content does not comply, Set 1 Comments: EOR confirmed via email that air entrainment is not needed for his design - Kirk Edmonds Structural Engineer		08/17/20	Closed
D000002	0006A	Concrete Compressive Strength Test	08/06/20	Average compressive strength does not comply, Set 1 Age 56			Open
D000003	0018	Wood Frame Observations	10/26/20	Work In Progress Truss Comments: Reinspect at Completion			Open