



ECS Southeast, LLC

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Fayetteville, NC 28304
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LETTER OF TRANSMITTAL

November 08, 2024
Regency Construction
6506 Dental Lane Suite 201
Fayetteville, NC 28314
ATTN: Jasen Rintala

RE: **Champs Convenience Store**
ECS Job # **33:7060**

Permits:
Location: **8920 Hwy US 401 N**
Fuguay-Varina, NC 27526

Field Reports For your use As requested

CC:

ENCL: Field Report # 2 11/6/2024

Jack Cowsert, P.E.
Office Manager

Robert T. Harrigan
Team Leader

Disclaimer

1. This report (and any attachments) shall not be reproduced except in full without prior written approval of ECS.
2. The information in this report relates only to the activities performed on the report date.
3. Where appropriate, this report includes statements as to compliance with applicable project drawings, and specifications for the activities, performed on this report date.
4. Incomplete or non-conforming work will be reported for future resolution.
5. The results of samples and/or specimens obtained or prepared for subsequent laboratory testing will be presented in separate reports/documents.



ECS Southeast, LLC
 6151 Raeford Road, Suite A
 Fayetteville, NC 28304
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FIELD REPORT

Project **Champs Convenience Store**
 Location **Fuguay-Varina, NC**
 Client **Regency Construction**
 Contractor **None Listed**

Project No. **33:7060**
 Report No. **2**
 Day & Date **Wednesday 11/6/2024**
 Weather **60 °/ Cloudy**
 On-Site Time **2.75**
 Lab Time **0.00**
 Travel Time* **0.00**
 Total **2.75**
 Re Obs Time **0.00**

Remarks

Trip Charges*	Tolls/Parking*	Mileage*	Time of Arrival	Departure
Chargeable Items	5000		12:15P	3:00P

* Travel time and mileage will be billed in accordance with the contract.

Summary of Services Performed (field test data, locations, elevations & depths are estimates) & Individuals Contacted.

The undersigned arrived on site, as requested, to observe:

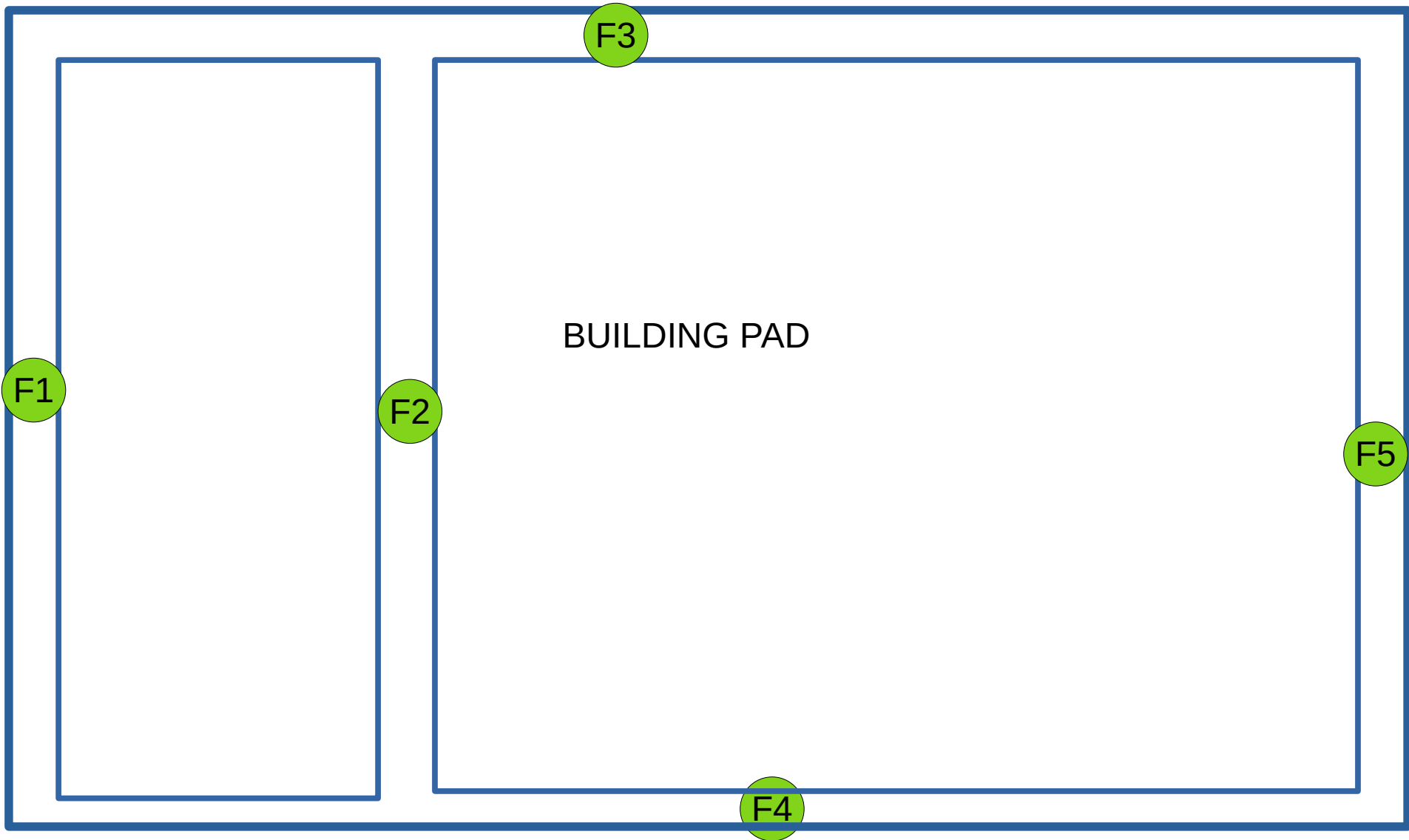
1: The placement and compaction of soils for building pad. Please see the attached sketch. Utilizing the nuclear test method to check the compaction of soils, test results indicated that the compacted material, at the areas and elevations tested, met or exceeded the project requirements of 98% of the maximum dry density as obtained in our laboratory using the unspecified proctor method.

Locations and elevations of all tests are based on stakeout provided by others. We cannot be responsible for structures located off of the observed engineered pad, misaligned utilities or stakeout errors causing uncontrolled fill to be placed in structural areas.

The soils observed on this date appeared to be placed in accordance with project drawings and specifications with regard to lift thickness and moisture content.

2: The excavation of building pad perimeter footings and 1 lug footing.

Utilizing a Dynamic Cone Penetrometer (ASTM STP-399) to check the bearing capacity of soil at the aforementioned locations, test results indicated that soils, at the areas and elevations tested, should be capable of supporting a foundation designed for a net allowable bearing capacity of of 2,000 psf.



Gerald Bowling
6 NOV. 2024
Champs store
Proj.#7060
W/O#:80904

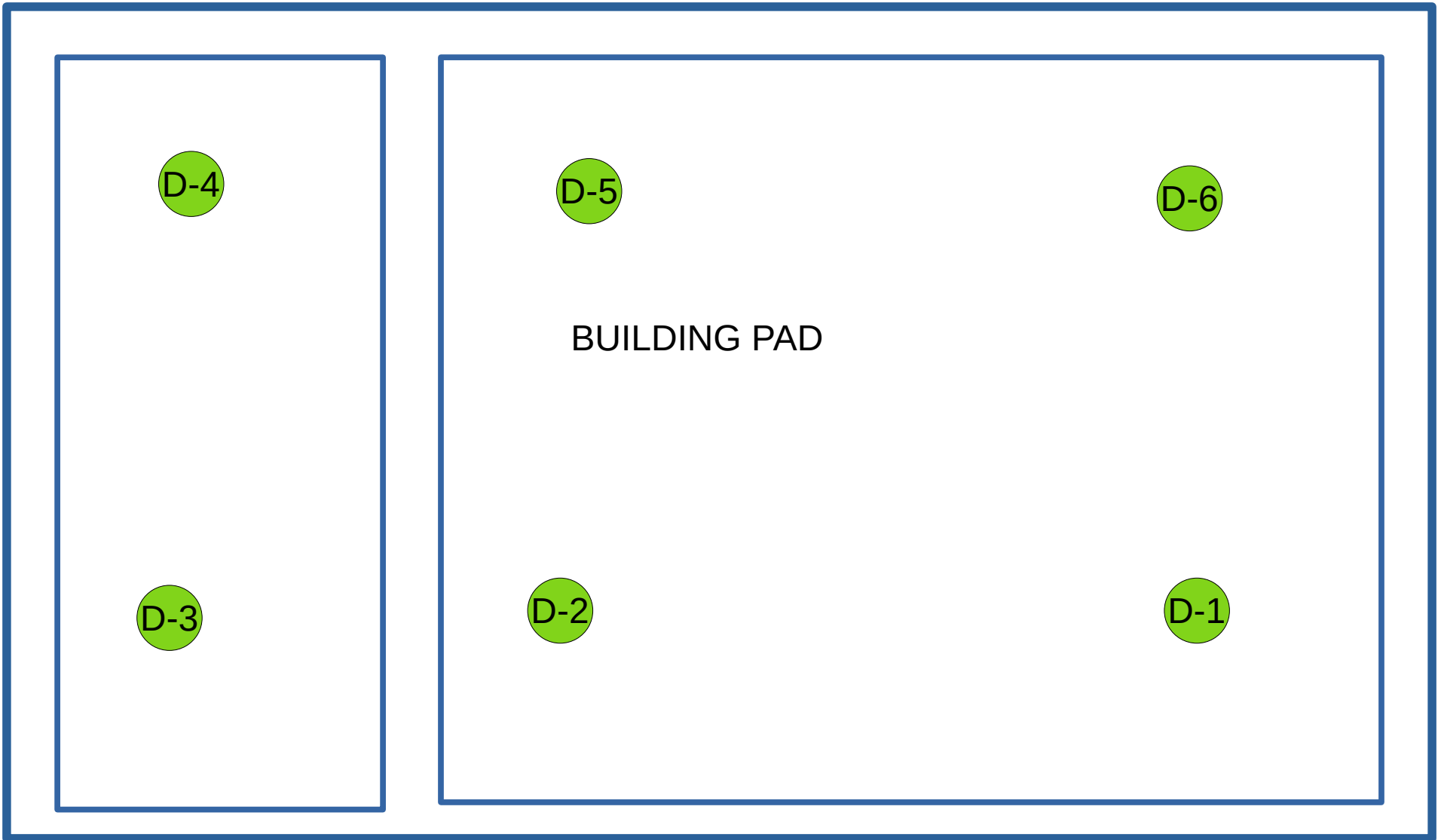
Key:

,DCP footings





Test/sample Locations





Gerald Bowling
 6 NOV. 2024
 Champs store
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Key:
 Compaction,DCP soils 
 Soil sample
 Test/sample Locations 





Field Compaction Summary, Nuclear

Project No: 33:7060

Project Name: Champs Convenience Store

Date: 11/6/2024

ECS Southeast, LLC

Client: Regency Construction

Contractor:

Technician: Gerald John Bowling

Test Method Nuclear			
Nuclear Gauge No. 895			
Make		Density Std	1951
Model		Moisture Std	739
Ser. No.	895		

Sample No.				Description			Proctor Method					Uncorrected Max. Density			Uncorrected Optimum Moisture Content
1PP				Orange Silty Sand			Standard Proctor Method (ASTM D-698)					113.4			13.2
Test No.	Lot No.	Test Mode	Probe Depth (in.)	Station / Location	Lift / Elev	Sample No.	% Oversize	Corrected Max. Density	Corrected Optimum Moisture Content (%)	Wet Density (pcf)	Dry Density (pcf)	Moisture Content (%)	Percent Comp. (%)	P / F	Comments
1	D1	DT	6	building pad	FSG	1PP	0.00	113.4	13.2	127.0	111.2	14.2	98.1	P	
2	D2	DT	6	building pad	FSG	1PP	0.00	113.4	13.2	127.7	113.5	12.4	100.1	P	
3	D3	DT	6	building pad	FSG	1PP	0.00	113.4	13.2	124.1	113.3	9.6	99.9	P	
4	D4	DT	6	building pad	FSG	1PP	0.00	113.4	13.2	128.7	114.3	12.5	100.8	P	
5	D5	DT	6	building pad	FSG	1PP	0.00	113.4	13.2	126.6	111.2	14.0	98.1	P	
6	D6	DT	6	building pad	FSG	1PP	0.00	113.4	13.2	128.1	111.5	14.8	98.3	P	



Report of Spread Footing - Foundation Observations

Project: Champs Convenience Store
 Location: 8920 Hwy US 401 N
 Fuguay-Varina - Wake - NC - 27526
 Contractor: None Listed

Project No.: 33:7060
 Day/Date: 11/6/2024

Footing Number	Location	Size (W x H x L)		Footing Bottom Elevation		Description of Steel Placed	Description of Subgrade Material	Required Blow Counts # of Blows / Increment	Design Bearing Pressure
		Design	Actual	Design **	Depth of Undercut (in)				
1	F1 Perimeter Footing	x x	x x	N/A	0,-1,-2,-3		brown orange red clay sand	6 (0)3,5,7 (-1)5,8,8 (-2) 5,4,6 (-3)8,8,10	2000
2	F2 lug footing	x x	x x	N/A	0,-1,-2,-3		brown orange red clay sand	6 (0)4,5,8 (-1)6,10,14 (-2) 9,6,10 (-3)10,10,10	2000
3	F3 Perimeter Footing	x x	x x	N/A	0,-1,-2,-3		brown orange red clay sand	6 (0)3,6,9 (-1)20,25+ (-2) 10,10,11 (-3)22,25+	2000
4	F4 Perimeter Footing	x x	x x	N/A	0,-1,-2,-3		brown orange red clay sand	6 (0)5,6,6 (-1)6,9,14(-2) 8,8,12 (-3)20,25+	2000
5	F5 Perimeter Footing	x x	x x	N/A	0,-1,-2,-3		brown orange red clay sand	6 (0)4,5,7 (-1)25+(-2)8,8,8 (-3)19,22,25+	2000

** SGE: Subgrade Elevation to be determined by surveyor.

By: Gerald John Bowling

ECS Southeast, LLC

WO: 80904

Attachments



IMG_5810

Figure 1



IMG_5811

Figure 2

Attachments



IMG_5812

Figure 3



IMG_5813

Figure 4

Attachments



IMG_5814

Figure 5



IMG_5815

Figure 6

Attachments



IMG_5816

Figure 7



IMG_5817

Figure 8

Attachments



IMG_5818

Figure 9



IMG_5819

Figure 10