

APPENDIX G 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 N | Commercial Project: <input checked="" type="radio"/> Y <input type="radio"/> N |
| Code Enforcement Project No: | Permit No: <u>BLOM 2406-0010</u> |
| Project Name: <u>AMPLE STORAGE - Erwin</u> | Owner: <u>AMPLE STORAGE</u> |
| Project Address: <u>404 E Jackson Blvd Erwin</u> | Suite No: <u>BUILDING "H"</u> |
| Date Inspected: <u>09/10/24</u> | Contractor Name: <u>Ample Storage</u> |
| Component Inspected: <u>FOOTINGS, SOIL BEARING & COMPACTION</u> | |

Responsible Licensed NC Architect or NC Engineer

| | |
|------------------|--|
| Name: | <u>WAYNE R DASHIELD</u> |
| Firm Name: | <u>WAYNE R DASHIELD, PE</u> |
| Phone Numbers: | Office: <u>919-934-0961</u> Mobile: |
| Email Address: | <u>WRDASHIELDPE@gmail.com</u> |
| Mailing Address: | <u>421-B Brightleaf Blvd. Smithfield, NC 27557</u> |

APPLICABLE CODE:

2018 NCBC

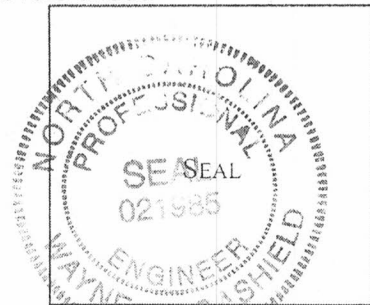
Describe Element/Component/Type of Inspection: *

Footings, SOIL BEARING, COMPACTION

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 G.S. 160D-11-6 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.

Wayne R. Dashield 09/10/24
Licensed Architect or Engineer



Inspection Department disclaimer:

Upon the receipt of a signed written document as required under subsection (a) of G.S. 160D-11-1, 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.

Wayne R. Dashfield, PE
 421-B BRIGHT LEAF BLVD.
 Smithfield, NC 27577

9/10/2024

CONE PENETROMETER TEST RESULTS
 AMPLE STORAGE BUILDING "H"
 PERMIT# BCOM 2406-0009
 404 EAST JACKSON BLVD
 SOIL BEARING TESTS

| TEST NO. | LOCATION | FOUNDATION TYPE | DEPTH IN FT. | | CALCULATED BEARING | Pass / Fail | Soil Type |
|----------|------------------------|-----------------|----------------------------|--------------|--------------------|-------------|-----------|
| | | | BELOW BOTTOM OF FOUNDATION | DIAL READING | | | |
| 1A | NW END OF BLD "H" | FOOTING | 0.0 | 374 | 3526 | Pass | SM |
| 1B | NW END OF BLD "H" | FOOTING | 1.0 | 411 | 3868 | Pass | SM |
| 2A | 30' OFF NW OF BLD "H" | FOOTING | 0.0 | 360 | 3396 | Pass | SM |
| 2B | 30' OFF NW OF BLD "H" | FOOTING | 1.0 | 401 | 3775 | Pass | SM |
| 3A | 1ST SECT NW SIDE EXF | FOOTING | 0.0 | 390 | 3674 | Pass | SM |
| 3B | 1ST SECT NW SIDE EXF | FOOTING | 1.0 | 362 | 3415 | Pass | SM |
| 4A | 5' OFF 2ND SECT W SIDE | FOOTING | 0.0 | 325 | 3072 | Pass | SM |
| 4B | 5' OFF 2ND SECT W SIDE | FOOTING | 1.0 | 415 | 3905 | Pass | SM |
| 5A | SW CORNER | FOOTING | 0.0 | 360 | 3396 | Pass | SM |
| 5B | SW CORNER | FOOTING | 1.0 | 360 | 3396 | Pass | SM |
| 6A | SE CORNER | FOOTING | 0.0 | 380 | 3581 | Pass | SM |
| 6B | SE CORNER | FOOTING | 1.0 | 420 | 3951 | Pass | SM |
| 7A | 10' S of EXPAN JOINT | FOOTING | 0.0 | 427 | 4016 | Pass | SM |
| 7B | 10' S of EXPAN JOINT | FOOTING | 1.0 | 508 | 4765 | Pass | SM |



All cone penetrometer test were preformed
 in the center of the footing
 MINIMUM BEARING 3000 PSF

WAYNE R. DASHFIELD, PE
 421-B SOUTH BRIGHT LEAF BLVD
 SMITHFIELD, NC 27577

IN-PLACE DENSITY TEST RESULTS

ASTM-1556

DATE OF REPORT

09-Sep-24

PROJECT NAME ERWIN AMPLE -STORAGE PERMIT# BCOM 2406-0010
 LOCATION 404 EAST JACKSON BLVD, ERWIN, NC
 CONTRACTOR NAME AND ADDRESS AMPLE STORAGE, SMITHFIELD, NC

| Test Number | Date Tested | 4 | 5 | 6 |
|----------------------|-------------|-----------|-----------|-----------|
| Bulk-Density of Sand | 05-Sep-24 | 05-Sep-24 | 05-Sep-24 | 05-Sep-24 |
| AASHTO-Standard | | | | |

| | | | |
|--|---------|---------|---------|
| | 39401.0 | 39841.0 | 39481.0 |
| | D-698 | D-698 | D-698 |

| Test Location | "B1" 10' OFF NW CORNER 2ND SECTION | CENTER OF PAD | SW CORNER OF PAD 2ND SECTION |
|-----------------------------------|------------------------------------|---------------|------------------------------|
| Elevation | FSG | FSG | FSG |
| Volume of hole, cu. ft. | 0.051 | 0.050 | 0.053 |
| Wet density of soil from hole,pcf | 118.5 | 118.0 | 119.6 |
| Percent moisture | 10.7% | 8.7% | 10.6% |
| Dry density of soil from hole | 107.0 | 108.5 | 108.2 |
| Maximum dry density | 110.1 | 110.1 | 110.1 |
| Optimum water content | 11.4% | 11.4% | 11.4% |
| Percent compaction | 97.2% | 98.6% | 98.2% |
| PASS / FAIL | PASS | PASS | PASS |



WAYNE R. DASHFIELD, PE
 421-B SOUTH BRIGHT LEAF BLVD
 SMITHFIELD, NC 27577

IN-PLACE DENSITY TEST RESULTS

SHEET 1 of 2

ASTM-1556

DATE OF REPORT 09-Sep-24

PROJECT NAME ERWIN AMPLE -STORAGE PERMIT# BCOM 2406-0010
 LOCATION 404 EAST JACKSON BLVD ERWIN, NC
 CONTRACTOR NAME AND ADDRESS AMPLE STORAGE, SMITHFIELD, NC

| Test Number | 1 | 2 | 3 |
|----------------------|-----------|-----------|-----------|
| Date Tested | 05-Sep-24 | 05-Sep-24 | 05-Sep-24 |
| Bulk-Density of Sand | 39401.0 | 39401.0 | 39401.0 |
| AASHTO-Standard | D-698 | D-698 | D-698 |

Test Location "B" 10' OFF NW CORNER CENTER OF PAD SE CORNER OF PAD

| Elevation | FSG | FSG | FSG |
|-----------------------------------|-------|-------|--------|
| Volume of hole, cu.ft. | 0.043 | 0.051 | 0.054 |
| Wet density of soil from hole,pct | 119.8 | 119.4 | 127.7 |
| Percent moisture | 14.1% | 14.1% | 14.1% |
| Dry density of soil from hole | 105.0 | 104.6 | 111.8 |
| Maximum dry density | 110.1 | 110.1 | 110.1 |
| Optimum water content | 11.4% | 11.4% | 11.4% |
| Percent compaction | 95.3% | 95.0% | 101.6% |
| PASS / FAIL | PASS | PASS | PASS |

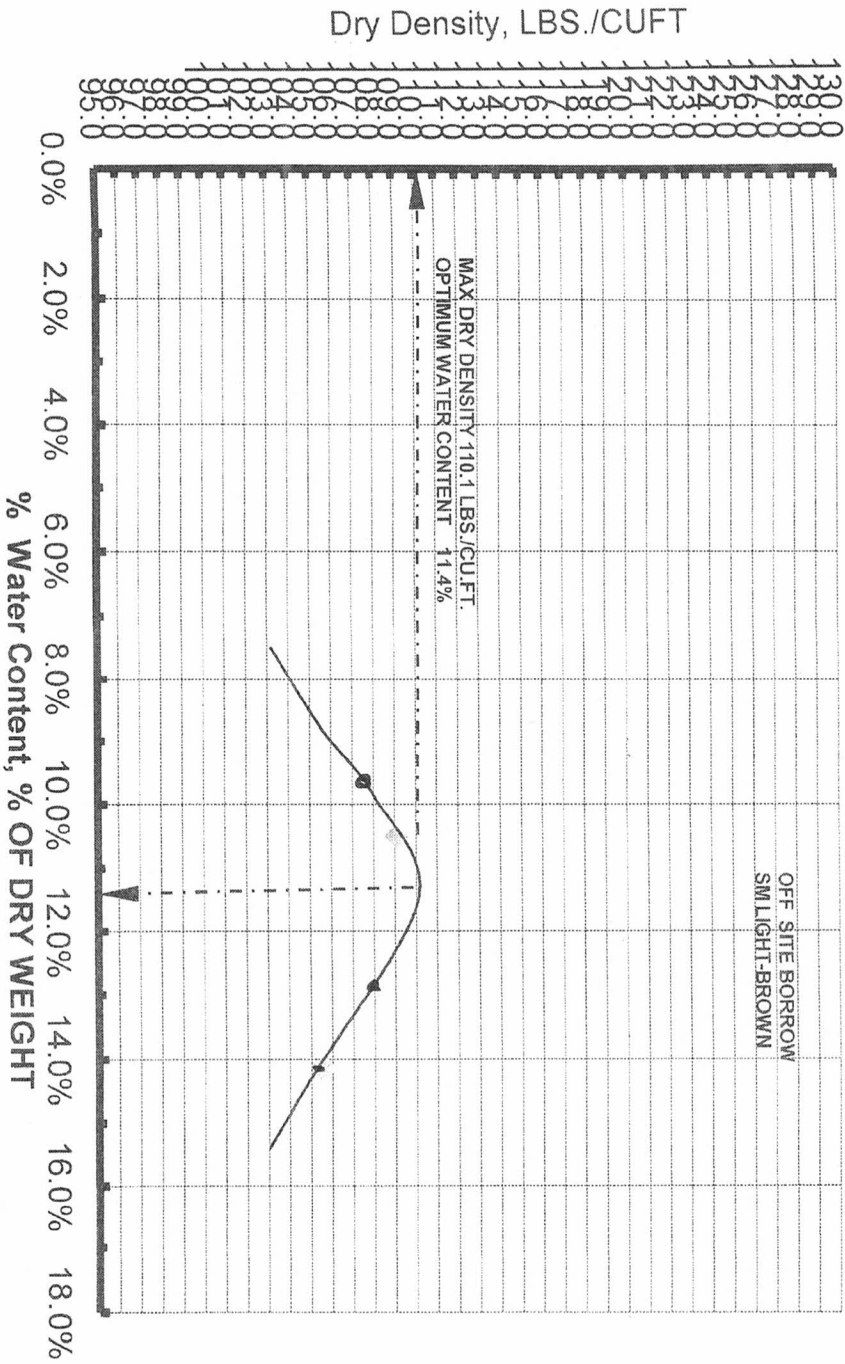


PROJECT:
AMPLE STORAGE
404 EAST JACKSON BLVD
ERWIN, NC

CONTRACTOR:
AMPLE STORAGE
SMITHFIELD, NC

DATE 09/05/24

LABORATORY COMPACTION CURVE ASTM-D698 PROCEDURE-A



WAYNE R. DASHFIELD, PE
421-B BRIGHT LEAF BLVD.
SMITHFIELD, NC 27577

WAYNE R. DASHFIELD, PE

