

# Pender County Planning and Community Development

## Planning Division

805 S. Walker Street  
PO Box 1519  
Burgaw, NC 28425



Phone: 910-259-1202  
Fax: 910-259-1295  
[www.pendercountync.gov](http://www.pendercountync.gov)

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## Cohen Insulation Application Information Special Use Permit

**Case Number:** SUP 2024-52

**Application Type:** Special Use Permit

**Applicant:** Ethan Gaskins

**Owners:** Insulation by Cohen's Wilmington, LLC

**Location:** The subject property is located on Blueberry Road approximately 2.5 miles from the intersection of Blueberry Road and US Highway 421 in the Grady Township.

**Property ID #(s):** 2274-95-5193-0000

**Description:** Special Use Permit requesting a warehouse for storage of materials.

**Total Area of Project:** 2.84 ac

**Current Zoning:** RA, Rural Agricultural

### Application Materials

Application Package

Narrative

Site Plan

# **APPLICATION**

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## Special Use Permit Submission

Applications will be considered for the Board of County Commissioners hearing and reviewed by Staff only when deemed complete. The application will be regarded as incomplete until the following items are received by the Planning and Community Development Staff.

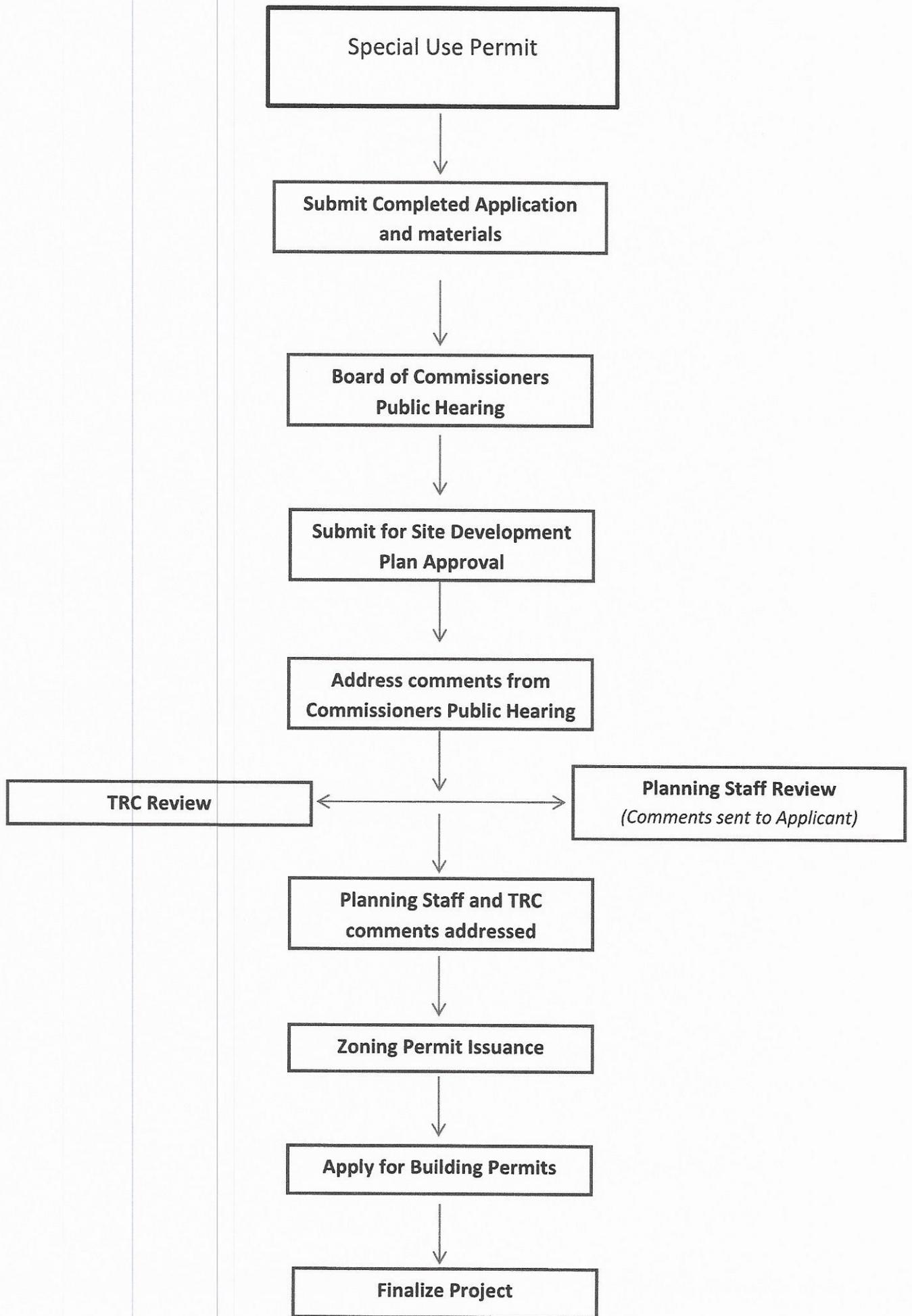
1. EG **Signed Application**
2. EG **Payment**  
Invoice generated upon receipt of application for online payment. ***Do not include check with application.*** \$300 for the first 5 acres; \$10 per acre over 5 acres of the project area (rounded to the nearest whole acre)
3. EG **Site Plan**  
All Site Plans submitted must be in accordance with Section 3.12.2 of the Unified Development Ordinance.
4. EG **Digital Submission**  
For all documents submitted in paper copy, provide a digital copy. These may be emailed or uploaded to a share folder. ***Physical media such as CD or USB drives will not be accepted.***
5. EG **List of Property Owners Within 500'**  
The applicant shall provide to the Administrator a numbered list of names and addresses ***including the applicant, the owner, and owners*** of all properties located within 500-feet of the perimeter of the project bounds of the property under consideration as obtained from the county tax listings and tax abstract. Instructions to obtain list of addresses available on Pender County's website on the Planning and Community Development page.
6. EG **500' Buffer Property Envelopes**  
The applicant shall provide a set of business envelopes addressed to the applicant, the owner, and each of the owners of all properties located within 500-feet of the perimeter of the project bounds and accompanied with first class postage adhered. Do not include return address or company branding on envelopes.
7. EG **Project Narrative**  
A description of the proposed Special Use Permit including response to the standards set forth in Section 3.12.3.G of the Unified Development Ordinance.

I certify that all information presented in this application is accurate to the best of my knowledge.

Signature of Applicant 

Date 7/30/25

Printed Name Ethan Gaskins



## **Special Use Permit Specific Requirements**

**1. Project Narrative**--Written description of the project (max of 3 pages) including the following:

- Location of the project and type of access to project site
- Detailed description of the activities to be undertaken on the site, including hrs. of operation, # of employees, etc.
- Description of all construction activities to be undertaken on the site
- Describe type of utilities that will serve project and status of approval from applicable providers
- List of all state and federal permits that will be required for the project
- Applicant must specifically address the 8 written findings for Special Use Permit approval which are identified on page 1 of this application and in the Pender County Unified Development Ordinance (Section 3.12.3.G.). Describe any potential impacts the project will have on the community or adjacent properties such as traffic, noise, etc. and explain efforts to mitigate these impacts. The applicant may also wish to describe any positive benefits the project will provide for the community and/or neighbors of the project.

**2. Project Map(s)**--Map or maps of the special use project site with boundaries of the project if less than the parcel boundaries. This map or maps shall be drawn to a readable scale. The scale shall be not more than 200' to the inch. The map shall display an accurate bar graph scale, date prepared, north arrow and the author of the map. This map(s) shall show the following:

- Structures. Location of all structures within fifty (50) feet of the property; location and depth, if known, of any existing utility lines in the property or along any adjacent road.
- Location of property boundaries, location of any easements for utility lines or passage which cross or occupy any portion of the property for proposed lines;
- Name, address, tax map number, acreage, zoning, township and means of access to the site (road or recorded access easement);
- Location and status of utilities: water, sewer, well, septic system, method of solid waste disposal, electrical service and natural gas if available;
- Existing topography and all proposed changes. Include calculations to show total acreage of area to be graded or disturbed;
- Existing and proposed streams, drainage ways, ponds, lagoons, wetlands, flood plains, berms, etc.
- Existing and proposed structures and on-site improvements;
- Existing and proposed fencing, vegetative screening and buffering;
- Existing and proposed signs, lighting, landscaping, walks, parking and drives;
- Detail any expected impact to the community, such as; traffic, noise, vibration, glare, odor, dust, etc. and the method being used to lessen these impacts.

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## **SPECIAL USE PERMIT APPLICATION**

### **GENERAL**

1. An applicant shall be required to schedule a pre-submittal meeting with the Administrator at least thirty (30) days prior to submission of an application.
2. Any information the applicant wishes to submit to assist in making the above findings may be included as part of the Project Narrative or as a supplement labeled "Support Information-Required Findings" (max. 1 page).
3. Where construction, location or relocation is proposed to be done upon a residence, place of business or place of public assembly, no permit required for electrical, plumbing, heating, air conditioning or other construction, location or relocation activity under any provision of general or special law shall be issued until an authorization for wastewater system construction has been issued under G.S. 130A-336 or authorization has been obtained under G.S. 130A-337(c).

### **APPROVAL STANDARDS**

The Board of Commissioners shall approve, modify, or deny the application for a Special Use Permit. In approving a Special Use Permit, the Board of Commissioners, with due regard to the nature and state of all adjacent structures and uses in the district within same is located, shall make written findings that the following are fulfilled:

1. The use requested is listed among the special uses in the district for which application is made, or is similar in character to those listed in that district;
2. The requested use will not impair the integrity or character of the surrounding or adjoining districts, nor adversely affect the safety, health, morals, or welfare of the community or of the immediate neighbors of the property;
3. The proposed use shall not constitute a nuisance or hazard;
4. The requested use will be in conformity with the Pender County Land Use Plan and other official plans or policies adopted by the Board of County Commissioners;
5. Adequate utilities, access roads, drainage, sanitation or other necessary facilities have been or are being provided;
6. That adequate measures have been or will be taken to provide ingress and egress so designed as to minimize the traffic congestion in the public roads;
7. That the special use shall, in all other respects, conform to the applicable regulations of the district in which it is located; and
8. The proposed use shall not adversely affect surrounding uses and shall be placed on a lot of sufficient size to satisfy the space requirements of said use.

Conditions and Guarantees - Prior to the granting of any special use, the Board of Commissioners may stipulate such conditions and restrictions upon the establishment, location, or construction, maintenance, and operation of the special use as it deems necessary for the protection of the public and to secure compliance with the standards and requirements specified in this ordinance. In all cases in which special uses are granted, the Board of Commissioners shall require such evidence and guarantees as it may deem necessary to assure that conditions stipulated in connection therewith are being and will be complied with.

# APPLICATION FOR SPECIAL USE PERMIT

SECTION 1: APPLICANT INFORMATION			
<b>Applicant's Name:</b>	Ethan Gaskins	<b>Owner's Name:</b>	INSULATION BY COHEN'S WILMINGTON LLC
<b>Applicant's Address:</b>	1415 OLD HWY 52	<b>Owner's Address:</b>	1415 OLD HWY 52
<b>City, State, &amp; Zip</b>	Moncks Corner, SC 29461	<b>City, State, &amp; Zip</b>	Moncks Corner, SC 29461
<b>Phone Number:</b>	843-906-8579	<b>Phone Number:</b>	843-906-8579
<b>Email Address:</b>	ethan@cohens.com	<b>Email Address:</b>	ethan@cohens.com

**Legal relationship of applicant to landowner:**

SECTION 2: PROJECT INFORMATION			
<b>Property Identification Number (PIN):</b>	2274-95-5193-0000	<b>Total property acreage:</b> <i>(rounded to the nearest whole acre)</i>	63.8 acres
<b>Zoning Classification:</b>	RA	<b>Acreage to be disturbed:</b>	2.84 acres
<b>Water Provider:</b>	Private Well	<b>Wastewater Provider:</b>	Private Septic
<b>Project Address:</b>	2332 Blueberry Road, Currie, NC		<b>NAICS Code:</b> NAICS 493
<b>Description of Project Location:</b>	2.66 miles northwest of intersection of US421 & SR1114		<b>Township:</b> Currie
			<b>Roads:</b> Public/Private
<b>Describe activities to be undertaken on project site:</b>	Construction of warehouse for storage of materials.		

SECTION 3: SIGNATURES			
<b>Applicant's Signature</b>		<b>Date:</b>	7/30/25
<b>Applicant's Printed Name:</b>	Ethan Gaskins VP	<b>Date:</b>	7/30/25
<b>Owner's Signature</b>		<b>Date:</b>	7/30/25
<b>Owner's Printed Name:</b>	Ethan Gaskins Member	<b>Date:</b>	7/30/25

# **NARRATIVE**

# CRUMPLER

## Consulting Services, PLLC

Pender County  
Planning and Community Development  
805 S. Walker Street  
Burgaw, NC 28425

**Re: 2332 Blueberry Road, Currie, NC  
SUP Project Narrative**

Insulation by Cohen's Wilmington, LLC has a located site at 2332 Blueberry Road, Currie, North Carolina. The proposed site is located on one parcel totaling approximately 64 acres however the Special Use Permit is for a smaller portion of the site totaling approximately 3.3 acres. The site is currently located in the RA zoning district within Pender County and the proposed use of the warehouse buildings requires a Special Use Permit.

The property owner is the developer which proposing to construct a warehouse on the site to store fiberglass insulations for their commercial business operations. The warehouse would be used to store materials to be deliverable to other warehouses and/or large scale projects within the area. The business operations entail that the would receive deliveries to stock the warehouse and the crews would load materials into their trucks/vehicles and depart for the day in the morning for deliveries. Typical hours of operation would be normal business hours.

The site would require the construction of the approximate 20,000sf warehouse to accompany the existing 3,500sf building already operating onsite. The grading for the site will be limited as the site is generally flat with the grading limited to installing the driveway and parking areas. The site will utilize onsite well and septic systems for the site utilities. The site will obtain permits from NCDEQ for temporary and permanent stormwater and NCDOT for site access.

**Findings of Fact:**

1. The use requested is listed among the special uses in the district for which application is made, or is similar in character to those listed in that district;  
**The use is in accordance as listed in the UDO for NAICS 493 Warehouses.**
2. The requested use will not impair the integrity or character of the surrounding or adjoining districts, nor adversely affect the safety, health, morals, or welfare of the community or of the immediate neighbors of the property;  
**The use will not adversely affect the surrounding parcels as the surrounding parcels are largely undeveloped. The proposed use has been placed centrally within the site to provide natural buffers around the parcel to the adjoining neighbors.**
3. The proposed use shall not constitute a nuisance or hazard;  
**The proposed use will not constitute a nuisance or hazard as it is an allowable use with a special use permit.**
4. The requested use will be in conformity with the Pender County Land Use Plan and other official plans or policies adopted by the Board of County Commissioners;  
**The proposed use is in conformance with Pender County's Land Use Plan.**
5. Adequate utilities, access roads, drainage, sanitation or other necessary facilities have been or are being provided;  
**The site will utilize onsite well and septic systems for water and sewer services. All of components of the site will meet all local, state, and federal requirements.**

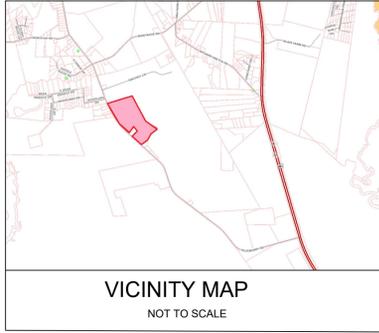
# CRUMPLER

## Consulting Services, PLLC

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6. That adequate measures have been or will be taken to provide ingress and egress so designed as to minimize the traffic congestion in the public roads;  
**The site will utilize the existing ingress and egress point and will meet all NCDOT standards and specifications. The proposed use will not generate large volumes of traffic.**
7. That the special use shall, in all other respects, conform to the applicable regulations of the district in which it is located; and  
**The special use will conform to all applicable regulations of the district in which it is located.**
8. The proposed use shall not adversely affect surrounding uses and shall be placed on a lot of sufficient size to satisfy the space requirements of said use.  
**The use will not adversely affect the surrounding parcels as the surrounding parcels are largely undeveloped. The proposed use has been placed centrally within the site to provide natural buffers around the parcel to the adjoining neighbors.**

# **SITE PLAN**



# SITE PLANS FOR INSULATION BY COHEN, LLC

2332 BLUEBERRY ROAD  
CURRIE, NORTH CAROLINA

PREPARED FOR:  
INSULATION BY COHEN, LLC  
1415 OLD HIGHWAY 52  
MONCK'S CORNER, SC 29461

PREPARED BY:  
**CRUMPLER**  
*Consulting Services, PLLC*

2308 Ridge Road  
Raleigh, North Carolina 27612  
Ph. 919-413-1704  
P-1533

SHEET	DESCRIPTION
C-1	COVER
C-2	EXISTING CONDITIONS
C-3	SITE PLAN
C-4	EROSION CONTROL PLAN
C-5	NCG101 NOTES
C-6	NCG101 NOTES
D-1	DETAILS

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL PENDER COUNTY, NCDOT, AND NCDEQ STANDARDS AND SPECIFICATIONS.

CALL 48 HOURS  
BEFORE YOU DIG



NORTH CAROLINA  
ONE-CALL CENTER  
1-800-632-4949

**CRUMPLER**  
Consulting Services, PLLC  
2308 Ridge Road  
Raleigh, North Carolina 27612  
Ph. 919-413-1704  
P-1533



ISSUED FOR PERMITTING

REV.	DESCRIPTION	DATE

COVER  
INSULATION BY COHEN, LLC  
2332 BLUEBERRY ROAD  
CURRIE, NORTH CAROLINA

PROJECT NO.: 25010  
DRAWN BY: JAC  
CHECKED BY: JAC  
DATE: 02/01/25  
SCALE: NOT TO SCALE

C-1



**LEGEND**

	EXISTING PROPERTY LINE
	EXISTING ABUTTING PROPERTY LINE
	EXISTING RIGHT-OF-WAY
	EXISTING OVERHEAD POWER LINE
	EXISTING ABUTTING PROPERTY LINE
	EXISTING BUILDING SETBACK LINE
	EXISTING PARKING SETBACK LINE
	EXISTING EDGE OF PAVEMENT
	EXISTING CONTOUR MAJOR (5')
	EXISTING CONTOUR MINOR (1')
	PROPOSED EDGE OF PAVEMENT
	PROPOSED CONTOUR MAJOR (5')
	PROPOSED CONTOUR MINOR (5')

**CRUMPLER**  
Consulting Services, PLLC

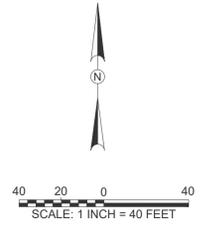
2308 Ridge Road  
Raleigh, North Carolina 27612  
Ph: 919-313-1704  
P-1533



**ISSUED FOR PERMITTING**

DATE	DESCRIPTION	REV.

- ADA NOTES**
1. PROPOSED ADA PARKING AND STALL STRIPING SHALL HAVE SLOPES NO STEEPER THAN 1:48 (2%).
  2. PROPOSED ACCESSIBLE ROUTE TO RIGHT-OF-WAY AND PROPOSED SIDEWALKS SHALL HAVE A RUNNING SLOPE NO STEEPER THAN 1:20 (5%) AND CROSS SLOPES NO STEEPER THAN 1:48 (2%).
  3. RAMPS SHALL COMPLY WITH THE REQUIREMENTS OF 2012 NCSBC SECTION 1010.
  4. HANDRAILS SHALL COMPLY WITH THE REQUIREMENTS OF 2012 NCSBC SECTION 1012.

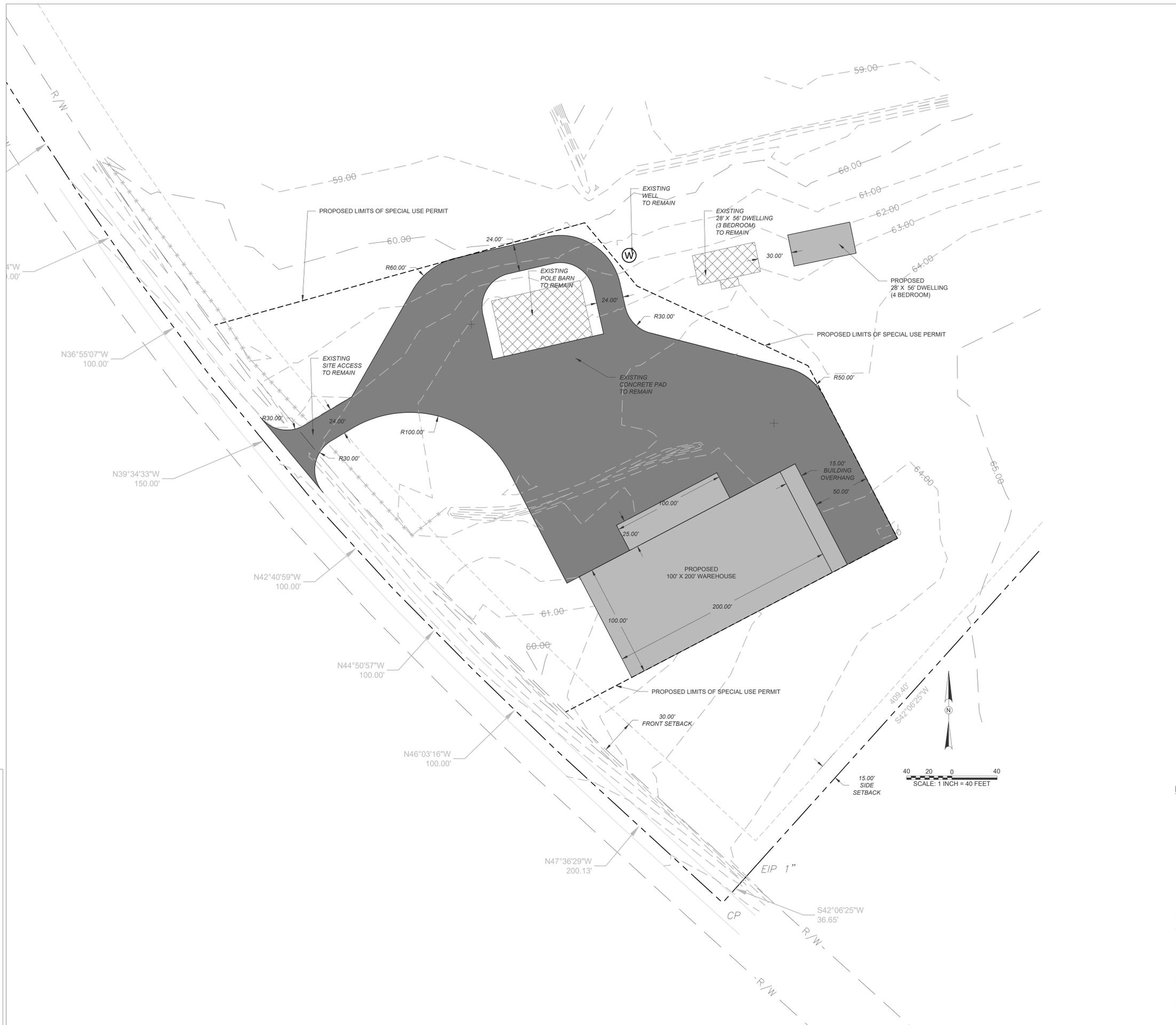


- NOTES**
1. TOPOGRAPHIC AND BOUNDARY SURVEY PROVIDED BY STEWART-PROCTOR, PLLC ON 12/9/2024.
  2. PROPERTY IS LOCATED IN ZONES X (AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE AND FUTURE 1% ANNUAL CHANCE FLOODPLAIN) BASED ON THE FEMA MAP NUMBER 3720227400K DATED DECEMBER 6, 2019.
  3. NO ONSITE STREAMS OR WETLANDS HAVE BEEN IDENTIFIED WITHIN THE PROJECT OR PARCEL AS SHOWN.
  4. THIS DRAWING IS NOT FOR RECORDATION.

**EXISTING CONDITIONS PLAN**

**INSULATION BY COHEN, LLC**  
2332 BLUEBERRY ROAD  
CURRIE, NORTH CAROLINA

PROJECT NO.: 25010  
DRAWN BY: JAC  
CHECKED BY: JAC  
DATE: 02/01/25  
SCALE: 1" = 20'



**LEGEND**

	EXISTING PROPERTY LINE
	EXISTING ABUTTING PROPERTY LINE
	EXISTING RIGHT-OF-WAY
	EXISTING OVERHEAD POWER LINE
	EXISTING ABUTTING PROPERTY LINE
	EXISTING BUILDING SETBACK LINE
	EXISTING PARKING SETBACK LINE
	EXISTING EDGE OF PAVEMENT
	EXISTING CONTOUR MAJOR (5')
	EXISTING CONTOUR MINOR (1')
	PROPOSED EDGE OF PAVEMENT
	PROPOSED STRUCTURES
	PROPOSED PAVEMENT

**SUMMARY INFORMATION**

**DEVELOPMENT NAME:** INSULATION BY COHEN, LLC

**SITE ADDRESS:** 2332 BLUEBERRY ROAD  
CURRIE, NORTH CAROLINA

**PIN NUMBER:** 2274-95-5193-0000

**JURISDICTION:** PENDER COUNTY  
**EXISTING USE:** COMMERCIAL  
**PROPOSED USE:** COMMERCIAL  
**CURRENT ZONING DISTRICT:** RA

**TOTAL ACREAGE:** 63.8 ACRES / 2,780,531 SF

**EXISTING IMPERVIOUS SURFACE:** 7,060SF (0.25%)  
**PROPOSED IMPERVIOUS SURFACE:** 95,978SF (3.45%)

**MIN LOT SIZE:** 1 ACRE (43,560SF)  
**MAX BUILDING HEIGHT:** 35LF  
**MIN. REQUIRED BUILDING SEPARATION:** 30LF

**BUILDING SETBACKS:**  
FRONT STREET - 30'  
SIDE BOUNDARY - 15'  
REAR BOUNDARY - 30'

**OWNER/DEVELOPER:**  
INSULATION BY COHEN, LLC  
1415 OLD HIGHWAY 52  
MONCK'S CORNER, SC 29461

**ENGINEER:**  
CRUMPLER CONSULTING SERVICES, PLLC  
CONTACT: JOSH CRUMPLER, PE  
2308 RIDGE ROAD  
RALEIGH, NC 27612  
(919) 413-1704

**CRUMPLER**  
Consulting Services, PLLC

2308 Ridge Road  
Raleigh, North Carolina 27612  
Ph: 919-413-1704  
P-1553



**ISSUED FOR PERMITTING**

DATE	DESCRIPTION	REV.

**SITE PLAN**

**INSULATION BY COHEN, LLC**  
2332 BLUEBERRY ROAD  
CURRIE, NORTH CAROLINA

- NOTES**
- TOPOGRAPHIC AND BOUNDARY SURVEY PROVIDED BY STEWART-PROCTOR, PLLC ON 12/9/2024.
  - PROPERTY IS LOCATED IN ZONES X (AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE AND FUTURE 1% ANNUAL CHANCE FLOODPLAIN) BASED ON THE FEMA MAP NUMBER 3720227400K DATED DECEMBER 6, 2019.
  - NO ONSITE STREAMS OR WETLANDS HAVE BEEN IDENTIFIED WITHIN THE PROJECT OR PARCEL AS SHOWN.
  - THIS DRAWING IS NOT FOR RECORDATION.

- ADA NOTES**
- PROPOSED ADA PARKING AND STALL STRIPING SHALL HAVE SLOPES NO STEEPER THAN 1:48 (2%).
  - PROPOSED ACCESSIBLE ROUTE TO RIGHT-OF-WAY AND PROPOSED SIDEWALKS SHALL HAVE A RUNNING SLOPE NO STEEPER THAN 1:20 (5%) AND CROSS SLOPES NO STEEPER THAN 1:48 (2%).
  - RAMPS SHALL COMPLY WITH THE REQUIREMENTS OF 2012 NCSBC SECTION 1010.
  - HANDRAILS SHALL COMPLY WITH THE REQUIREMENTS OF 2012 NCSBC SECTION 1012.

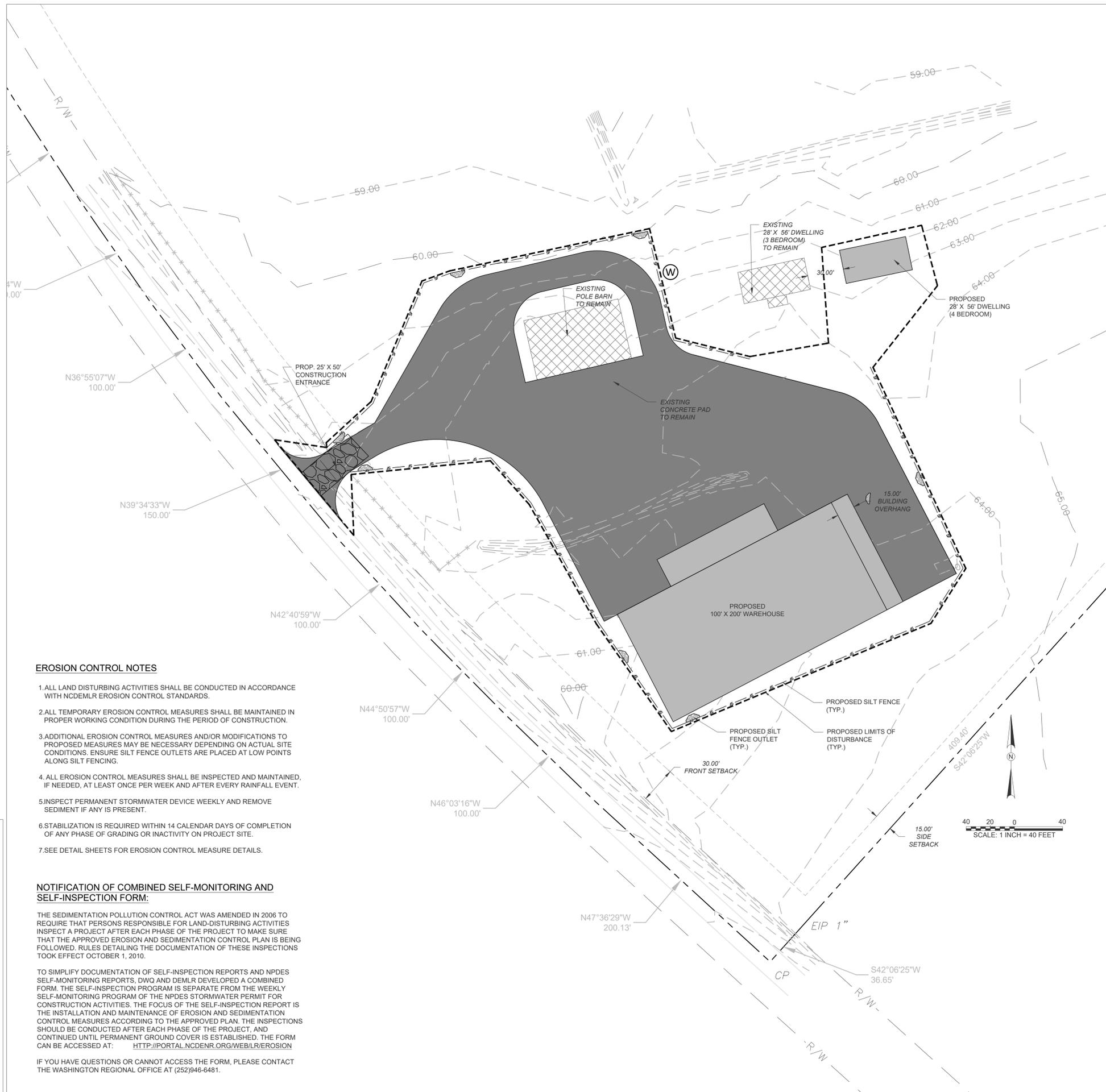
PROJECT NO.: 25010

DRAWN BY: JAC

CHECKED BY: JAC

DATE: 02/01/25

SCALE: 1" = 20'



**LEGEND**

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---	EXISTING CONTOUR MAJOR (5')
---	EXISTING CONTOUR MINOR (1')
---	PROPOSED EDGE OF PAVEMENT
---	PROPOSED STRUCTURES
---	PROPOSED PAVEMENT
---	PROPOSED SILT FENCE
---	PROPOSED TEMPORARY DIVERSION
---	PROPOSED LIMITS OF DISTURBANCE
---	PROPOSED SILT FENCE OUTLET

**CONSTRUCTION SEQUENCE**

1. EROSION AND SEDIMENT CONTROL (E&S) PERMIT AND A CERTIFICATE OF COVERAGE (COC) MUST BE OBTAINED BEFORE ANY LAND DISTURBING ACTIVITIES OCCUR. A COPY OF THE E&S PERMIT, THE COC, AND A HARD COPY OF THE PLAN MUST BE KEPT ON SITE, PREFERABLY IN A PERMITS BOX, AND ACCESSIBLE DURING INSPECTION.
2. CONTACT THE DEMLR WILMINGTON REGIONAL OFFICE (910-395-3964) AT LEAST 48 HOURS PRIOR TO COMMENCING THE LAND-DISTURBING ACTIVITY TO SCHEDULE A PRECONSTRUCTION MEETING WITH EROSION CONTROL INSPECTOR.
3. INSTALL CONSTRUCTION ENTRANCE, AND WHEN COMPLETE, INSTALL THE PERIMETER SILT FENCE. UPON COMPLETION OF INSTALLATION OF PERIMETER MEASURES, SEED, MULCH, AND ANCHOR EROSION AND SEDIMENTATION CONTROL MEASURES. CLEARING SHALL BE LIMITED TO ONLY THE NECESSARY AREAS TO GET MEASURES INSTALLED.
4. DEMLR APPROVAL IS NEEDED BEFORE CLEARING AND ROUGH GRADING OF SITE. ALL EXCAVATIONS PERFORMED SHALL BE BACKFILLED WITHIN THE SAME DAY, WITH SPOIL PLACEMENT ON UPSLOPE SIDE.
5. BEGIN FINISHED GRADING, FILLING, AND COMPACTION OF SITE.
6. THE CONTRACTOR SHALL CONDUCT SELF-INSPECTIONS OF THE EROSION AND SEDIMENTATION CONTROL MEASURES AND COMPLETE THE FOLLOWING COMBINED SELF-INSPECTION FORM FOUND ON THE DEMLR WEBSITE: [HTTPS://FILES.NC.GOV/NCDEQ/ENERGY%20MINERAL%20AND%20LAND%20RESOURCES/STORMWATER/NPDES%20GENERAL%20PERMITS/DEMLR-CSW-MONITORING-FORM-REV-AUGUST-8-2019.PDF](https://files.nc.gov/ncdeq/energy%20mineral%20and%20land%20resources/stormwater/npdes%20general%20permits/demlr-csw-monitoring-form-rev-august-8-2019.pdf)  
TWELVE MONTHS OF COMPLETE INSPECTION FORMS SHALL BE KEPT ON-SITE AND AVAILABLE FOR INSPECTION AT ALL TIMES. IT IS RECOMMENDED A COPY BE KEPT IN A PERMITS BOX.
7. STABILIZE SITE AS AREAS ARE BROUGHT UP TO FINISHED GRADE WITH VEGETATION, STONE BASE COURSE, CONCRETE, ETC. SEE SHEET DETAIL SHEET FOR SEEDING SCHEDULE.
8. ONCE APPROVED AND SITE VEGETATION HAS BEEN RESTORED, APPROVAL BY A REPRESENTATIVE OF LAND QUALITY SECTION WILL BE REQUIRED PRIOR TO REMOVAL OF EROSION CONTROL MEASURES. THE PERMITTEE SHALL CONTACT DEMLR TO CLOSE OUT THE E&S PLAN. AFTER DEMLR INFORMS THE PERMITTEE OF THE PROJECT CLOSE OUT, VIA INSPECTION REPORT, THE PERMITTEE SHALL VISIT [DEQ.NC.GOV/NCG01](http://deq.nc.gov/ncg01) TO SUBMIT AN ELECTRONIC NOTICE OF TERMINATION (E-NOT). A \$120 ANNUAL GENERAL PERMIT FEE WILL BE CHARGED UNTIL THE E-NOT HAS BEEN FILLED OUT.

**EROSION CONTROL NOTES**

1. ALL LAND DISTURBING ACTIVITIES SHALL BE CONDUCTED IN ACCORDANCE WITH NCDDEMLR EROSION CONTROL STANDARDS.
2. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE MAINTAINED IN PROPER WORKING CONDITION DURING THE PERIOD OF CONSTRUCTION.
3. ADDITIONAL EROSION CONTROL MEASURES AND/OR MODIFICATIONS TO PROPOSED MEASURES MAY BE NECESSARY DEPENDING ON ACTUAL SITE CONDITIONS. ENSURE SILT FENCE OUTLETS ARE PLACED AT LOW POINTS ALONG SILT FENCING.
4. ALL EROSION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED, IF NEEDED, AT LEAST ONCE PER WEEK AND AFTER EVERY RAINFALL EVENT.
5. INSPECT PERMANENT STORMWATER DEVICE WEEKLY AND REMOVE SEDIMENT IF ANY IS PRESENT.
6. STABILIZATION IS REQUIRED WITHIN 14 CALENDAR DAYS OF COMPLETION OF ANY PHASE OF GRADING OR INACTIVITY ON PROJECT SITE.
7. SEE DETAIL SHEETS FOR EROSION CONTROL MEASURE DETAILS.

**NOTIFICATION OF COMBINED SELF-MONITORING AND SELF-INSPECTION FORM:**

THE SEDIMENTATION POLLUTION CONTROL ACT WAS AMENDED IN 2006 TO REQUIRE THAT PERSONS RESPONSIBLE FOR LAND-DISTURBING ACTIVITIES INSPECT A PROJECT AFTER EACH PHASE OF THE PROJECT TO MAKE SURE THAT THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IS BEING FOLLOWED. RULES DETAILING THE DOCUMENTATION OF THESE INSPECTIONS TOOK EFFECT OCTOBER 1, 2010.

TO SIMPLIFY DOCUMENTATION OF SELF-INSPECTION REPORTS AND NPDES SELF-MONITORING REPORTS, DWG AND DEMLR DEVELOPED A COMBINED FORM. THE SELF-INSPECTION PROGRAM IS SEPARATE FROM THE WEEKLY SELF-MONITORING PROGRAM OF THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES. THE FOCUS OF THE SELF-INSPECTION REPORT IS THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL MEASURES ACCORDING TO THE APPROVED PLAN. THE INSPECTIONS SHOULD BE CONDUCTED AFTER EACH PHASE OF THE PROJECT, AND CONTINUED UNTIL PERMANENT GROUND COVER IS ESTABLISHED. THE FORM CAN BE ACCESSED AT: [HTTP://PORTAL.NCDENR.ORG/WEB/EROSION](http://portal.ncdenr.org/web/erosion)

IF YOU HAVE QUESTIONS OR CANNOT ACCESS THE FORM, PLEASE CONTACT THE WASHINGTON REGIONAL OFFICE AT (252)946-6481.

**CRUMPLER**  
Consulting Services, PLLC

2508 Ridge Road  
Raleigh, North Carolina 27612  
Ph: 919-333-1704  
P-1533

**ISSUED FOR PERMITTING**

DATE	DESCRIPTION	REV.

**EROSION CONTROL PLAN**

**INSULATION BY COHEN, LLC**  
2332 BLUEBERRY ROAD  
CURRIE, NORTH CAROLINA

PROJECT NO.: 25010  
DRAWN BY: JAC  
CHECKED BY: JAC  
DATE: 02/01/25  
SCALE: 1" = 20'

**C-4**

4 of 7

**PART III  
SELF-INSPECTION, RECORDKEEPING AND REPORTING**

**SECTION A: SELF-INSPECTION**

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the measures inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Indication of whether the measures were operating properly, 5. Description of maintenance needs for the measure, 6. Description, evidence, and date of corrective actions taken.
(3) Stormwater discharge outfalls (SDOs)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the discharge outfalls inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, 5. Indication of visible sediment leaving the site, 6. Description, evidence, and date of corrective actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If visible sedimentation is found outside site limits, then a record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future releases.
(5) Streams or wetlands onsite or offsite (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(a) of this permit.
(6) Ground stabilization measures	After each phase of grading	1. The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover). 2. Documentation that the required ground stabilization measures have been provided within the required timeframe or an assurance that they will be provided as soon as possible.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

**PART III  
SELF-INSPECTION, RECORDKEEPING AND REPORTING**

**SECTION B: RECORDKEEPING**

**1. E&SC Plan Documentation**

The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be kept on site and available for inspection at all times during normal business hours.

Item to Document	Documentation Requirements
(a) Each E&SC measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&SC plan.	Initial and date each E&SC measure on a copy of the approved E&SC plan or complete, date and sign an inspection report that lists each E&SC measure shown on the approved E&SC plan. This documentation is required upon the initial installation of the E&SC measures or if the E&SC measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&SC plan.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&SC measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&SC measures.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

**2. Additional Documentation to be Kept on Site**

In addition to the E&SC plan documents above, the following items shall be kept on the site and available for inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:

- (a) This General Permit as well as the Certificate of Coverage, after it is received.
- (b) Records of inspections made during the previous twelve months. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.

**3. Documentation to be Retained for Three Years**

All data used to complete the e-NOI and all inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

**PART III  
SELF-INSPECTION, RECORDKEEPING AND REPORTING**

**SECTION C: REPORTING**

**1. Occurrences that Must be Reported**

Permittees shall report the following occurrences:

- (a) Visible sediment deposition in a stream or wetland.
- (b) Oil spills if:
  - They are 25 gallons or more,
  - They are less than 25 gallons but cannot be cleaned up within 24 hours,
  - They cause sheen on surface waters (regardless of volume), or
  - They are within 100 feet of surface waters (regardless of volume).
- (c) Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.
- (d) Anticipated bypasses and unanticipated bypasses.
- (e) Noncompliance with the conditions of this permit that may endanger health or the environment.

**2. Reporting Timeframes and Other Requirements**

After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Department's Environmental Emergency Center personnel at (800) 858-0368.

Occurrence	Reporting Timeframes (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	<ul style="list-style-type: none"> <li>• <b>Within 24 hours</b>, an oral or electronic notification.</li> <li>• <b>Within 7 calendar days</b>, a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis.</li> <li>• If the stream is named on the <a href="#">NC 303(d) list</a> as impaired for sediment-related causes, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions.</li> </ul>
(b) Oil spills and release of hazardous substances per Item 1(b)-(c) above	<ul style="list-style-type: none"> <li>• <b>Within 24 hours</b>, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.</li> </ul>
(c) Anticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> <li>• <b>A report at least ten days before the date of the bypass, if possible.</b> The report shall include an evaluation of the anticipated quality and effect of the bypass.</li> </ul>
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> <li>• <b>Within 24 hours</b>, an oral or electronic notification.</li> <li>• <b>Within 7 calendar days</b>, a report that includes an evaluation of the quality and effect of the bypass.</li> </ul>
(e) Noncompliance with the conditions of this permit that may endanger health or the environment [40 CFR 122.41(l)(7)]	<ul style="list-style-type: none"> <li>• <b>Within 24 hours</b>, an oral or electronic notification.</li> <li>• <b>Within 7 calendar days</b>, a report that contains a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. [40 CFR 122.41(l)(6)].</li> <li>• Division staff may waive the requirement for a written report on a case-by-case basis.</li> </ul>

**PART II, SECTION G, ITEM (4)  
DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT**

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible. The circumstances in which it is not feasible to withdraw water from the surface shall be rare (for example, times with extended cold weather). Non-surface withdrawals from sediment basins shall be allowed only when all of the following criteria have been met:

- (a) The E&SC plan authority has been provided with documentation of the non-surface withdrawal and the specific time periods or conditions in which it will occur. The non-surface withdrawal shall not commence until the E&SC plan authority has approved these items,
- (b) The non-surface withdrawal has been reported as an anticipated bypass in accordance with Part III, Section C, Item (2)(c) and (d) of this permit,
- (c) Dewatering discharges are treated with controls to minimize discharges of pollutants from stormwater that is removed from the sediment basin. Examples of appropriate controls include properly sited, designed and maintained dewatering tanks, weir tanks, and filtration systems,
- (d) Vegetated, upland areas of the sites or a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in Item (c) above,
- (e) Velocity dissipation devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices, and
- (f) Sediment removed from the dewatering treatment devices described in Item (c) above is disposed of in a manner that does not cause deposition of sediment into waters of the United States.



ISSUED FOR PERMITTING

DATE

DESCRIPTION

REV.

PROJECT NO.: 25010

DRAWN BY: JAC

CHECKED BY: JAC

DATE: 02/01/25

SCALE: NOT TO SCALE

**GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT**

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

**SECTION E: GROUND STABILIZATION**

Required Ground Stabilization Timeframes		
Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope

**Note:** After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

**GROUND STABILIZATION SPECIFICATION**

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
<ul style="list-style-type: none"> <li>Temporary grass seed covered with straw or other mulches and tackifiers</li> <li>Hydroseeding</li> <li>Rolled erosion control products with or without temporary grass seed</li> <li>Appropriately applied straw or other mulch</li> <li>Plastic sheeting</li> </ul>	<ul style="list-style-type: none"> <li>Permanent grass seed covered with straw or other mulches and tackifiers</li> <li>Geotextile fabrics such as permanent soil reinforcement matting</li> <li>Hydroseeding</li> <li>Shrubs or other permanent plantings covered with mulch</li> <li>Uniform and evenly distributed ground cover sufficient to restrain erosion</li> <li>Structural methods such as concrete, asphalt or retaining walls</li> <li>Rolled erosion control products with grass seed</li> </ul>

**POLYACRYLAMIDES (PAMS) AND FLOCCULANTS**

- Select flocculants that are appropriate for the soils being exposed during construction, selecting from the *NC DWR List of Approved PAMS/Flocculants*.
- Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
- Apply flocculants at the concentrations specified in the *NC DWR List of Approved PAMS/Flocculants* and in accordance with the manufacturer's instructions.
- Provide ponding area for containment of treated Stormwater before discharging offsite.
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

**EQUIPMENT AND VEHICLE MAINTENANCE**

- Maintain vehicles and equipment to prevent discharge of fluids.
- Provide drip pans under any stored equipment.
- Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
- Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
- Remove leaking vehicles and construction equipment from service until the problem has been corrected.
- Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

**LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE**

- Never bury or burn waste. Place litter and debris in approved waste containers.
- Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
- Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
- Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
- Anchor all lightweight items in waste containers during times of high winds.
- Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
- Dispose waste off-site at an approved disposal facility.
- On business days, clean up and dispose of waste in designated waste containers.

**PAINT AND OTHER LIQUID WASTE**

- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled, sized and placed appropriately for the needs of site.
- Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

**PORTABLE TOILETS**

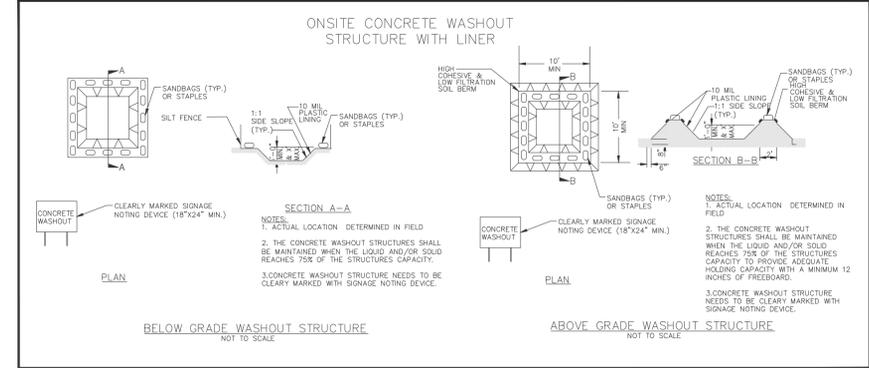
- Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
- Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

**EARTHEN STOCKPILE MANAGEMENT**

- Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
- Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- Provide stable stone access point when feasible.
- Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.

**HAZARDOUS AND TOXIC WASTE**

- Create designated hazardous waste collection areas on-site.
- Place hazardous waste containers under cover or in secondary containment.
- Do not store hazardous chemicals, drums or bagged materials directly on the ground.



**CONCRETE WASHOUTS**

- Do not discharge concrete or cement slurry from the site.
- Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
- Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
- Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
- Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
- Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
- Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
- Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
- At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

**HERBICIDES, PESTICIDES AND RODENTICIDES**

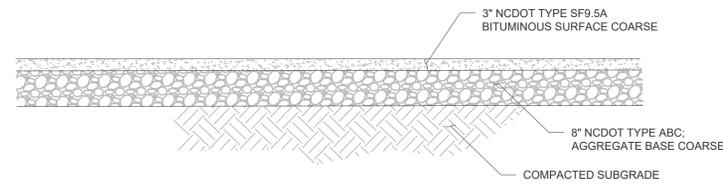
- Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
- Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
- Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
- Do not stockpile these materials onsite.



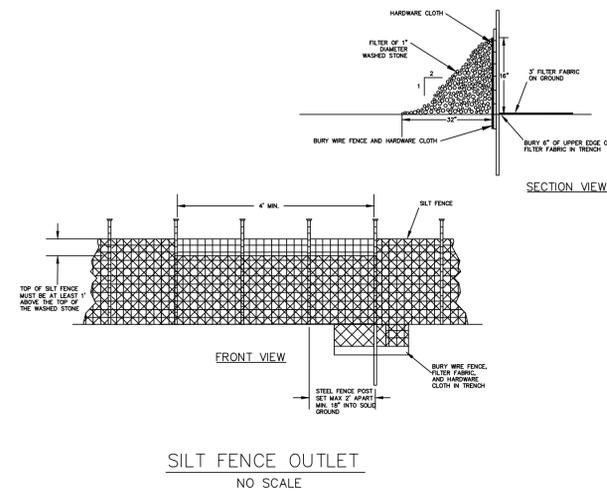
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REV.	DATE	DESCRIPTION

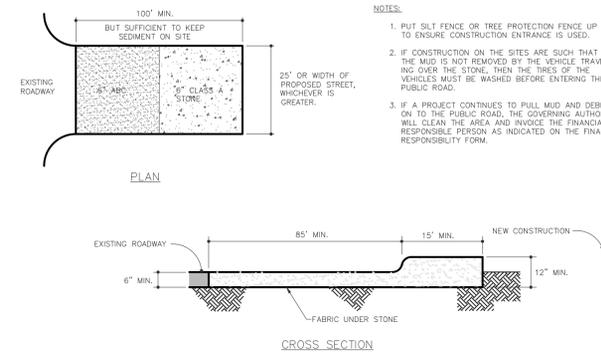
PROJECT NO.: 25010  
DRAWN BY: JAC  
CHECKED BY: JAC  
DATE: 02/01/25  
SCALE: NOT TO SCALE



**DRIVEWAY PAVEMENT DETAIL**  
NO SCALE

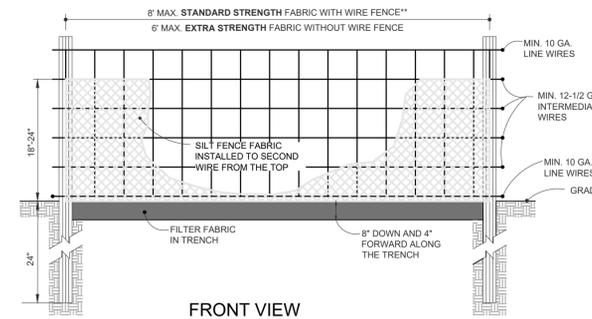


**SILT FENCE OUTLET**  
NO SCALE

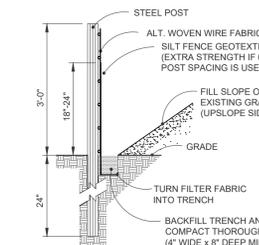


**CONSTRUCTION ENTRANCE**  
NO SCALE

- NOTES:**
1. PUT SILT FENCE OR TREE PROTECTION FENCE UP TO ENSURE CONSTRUCTION ENTRANCE IS USED.
  2. IF CONSTRUCTION ON THE SITES ARE SUCH THAT THE MUD IS NOT REMOVED BY THE VEHICLE TRAVELING OVER THE STONE, THEN THE TIRES OF THE VEHICLES MUST BE WASHED BEFORE ENTERING THE PUBLIC ROAD.
  3. IF A PROJECT CONTINUES TO PULL MUD AND DEBRIS ON TO THE PUBLIC ROAD, THE GOVERNING AUTHORITY WILL CLEAN THE AREA AND INVOICE THE FINANCIALLY RESPONSIBLE PERSON AS INDICATED ON THE FINANCIAL RESPONSIBILITY FORM.



**FRONT VIEW**



**SIDE VIEW**

**NOTES:**

1. USE SILT FENCE ONLY WHEN DRAINAGE AREA DOES NOT EXCEED 1/4 ACRE AND NEVER IN AREAS OF CONCENTRATED FLOW.
2. END OF SILT FENCE NEEDS TO BE TURNED UPHILL.
3. INSPECT SILT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
4. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.
5. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

**MAINTENANCE:**

INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL EVENT, MAKE ANY REQUIRED REPAIRS IMMEDIATELY. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY. REMOVE THE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

**TEMPORARY SILT FENCE**  
NO SCALE

CONSULT CONSERVATION ENGINEER OR SOIL CONSERVATION SERVICE FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENUDED AREAS. THE ABOVE VEGETATION RATES ARE THOSE WHICH DO WELL UNDER LOCAL CONDITIONS; OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE. \*NURSE CROP/TEMPORARY - RESEED ACCORDING TO OPTIMUM SEASON FOR DESIRED PERMANENT VEGETATION. DO NOT ALLOW TEMPORARY COVER TO GROW OVER 12" IN HEIGHT BEFORE MOWING, OTHERWISE FESCUE MAY BE SHADED OUT.

**SEEDBED PREPARATION:**

1. CHISEL COMPACTED AREAS AND SPREAD TOPSOIL THREE INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE.
2. RIP THE ENTIRE AREA TO SIX INCHES DEEP.
3. REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
4. APPLY AGRICULTURAL LIME, FERTILIZER AND SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL. (SEE BELOW).
5. CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM REASONABLY UNIFORM SEEDBED IS PREPARED FOUR TO SIX INCHES DEEP.
6. SEED ON A FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK AFTER SEEDING.
7. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
8. INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE OVER 60% DAMAGED, RE-ESTABLISH FOLLOWING THE ORIGINAL LIME, FERTILIZER AND SEEDING RATES.

- \*APPLY:
- a. AGRICULTURAL LIMESTONE
    - a.a. LIGHT TEXTURED, SANDY SOILS: 1 - 1.5 TONS/ACRE, OR PER SOIL TEST
    - a.b. HEAVY TEXTURED, CLAYEY SOILS: 2 - 3 TONS/ACRE, OR PER SOIL TEST
  - b. FERTILIZER - 10-10-10 ANALYSIS @ 900 LBS/ACRE
  - c. SUPERPHOSPHATE - 500 LBS/ACRE OF 20% ANALYSIS
  - d. MULCH - 2 TONS (+/- 80 BALES) STRAW/ACRE
  - e. ANCHOR - USE LIQUID ASPHALT @ 400 GALS/ACRE OR EMULSIFIED ASPHALT @ 300 GALS/ACRE OR WOOD & PAPER FIBER HYDROMULCHES @ 125-175 LBS/ACRE OR GUAR AND STARCH BASED TACKIFIERS @ 100-200 LBS/ACRE OR CRIMPING/PUNCHING W/ BLADES SPACES @ MAXIMUM 8"

**PERMANENT SEEDING - SHOULDERS, SIDE DITCHES, SLOPES (MAX. 3:1)**

DATE	TYPE	PLANTING RATE
AUG. 15 - NOV. 1	TALL FESCUE	200 LBS./ACRE
NOV. 1 - MAR. 1	TALL FESCUE AND ABRUZZI RYE *NURSE CROP	200 LBS./ACRE
MAR. 1 - APR. 15	TALL FESCUE	25 LBS./ACRE
APR. 15 - JUN. 30	HULLED COMMON BERMUDAGRASS	200 LBS./ACRE

**PERMANENT SEEDING - SLOPES (3:1 TO 2:1)**

DATE	TYPE	PLANTING RATE
AUG. 15 - NOV. 1	TALL FESCUE AND SERICEA LESPEDEZA (UNHULLED, UNSCARIFIED)	200 LBS./ACRE
NOV. 1 - MAR. 1	TALL FESCUE AND SERICEA LESPEDEZA (UNHULLED, UNSCARIFIED) AND ABRUZZI RYE	60 TO 70 LBS./ACRE
MAR. 1 - JUNE 1	TALL FESCUE AND SERICEA LESPEDEZA (SCARIFIED)	200 LBS./ACRE
MAR. 15 - JUNE 30	WEeping LOVEGRASS	40 TO 50 LBS./ACRE
MAR. 15 - JUNE 30	TALL FESCUE AND SERICEA LESPEDEZA (SCARIFIED)	10 LBS./ACRE
MAR. 15 - JUNE 30	HULLED COMMON BERMUDAGRASS AND SERICEA LESPEDEZA (SCARIFIED)	40 TO 50 LBS./ACRE

**TEMPORARY SEEDING**

DATE	TYPE	PLANTING RATE
JUNE 1 - SEPT. 1	TALL FESCUE AND BROWN TOP MILLET *NURSE CROP OR SORGHUM-SUDAN HYBRIDS *NURSE CROP	200 LBS./ACRE
		30 LBS./ACRE
		30 LBS./ACRE

CONSULT CONSERVATION ENGINEER OR SOIL CONSERVATION SERVICE FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENUDED AREAS. THE ABOVE VEGETATION RATES ARE THOSE WHICH DO WELL UNDER LOCAL CONDITIONS; OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE. \*NURSE CROP/TEMPORARY - RESEED ACCORDING TO OPTIMUM SEASON FOR DESIRED PERMANENT VEGETATION. DO NOT ALLOW TEMPORARY COVER TO GROW OVER 12" IN HEIGHT BEFORE MOWING, OTHERWISE FESCUE MAY BE SHADED OUT.

**SEEDING SCHEDULE**  
NO SCALE

**GROUND STABILIZATION (DWQ)**

SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES, AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (H2O) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NO STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERIMETERS AND H2O ZONES)

**ISSUED FOR PERMITTING**

DATE	DESCRIPTION	REV.

**DETAILS**

**INSULATION BY COHEN, LLC**  
2332 BLUEBERRY ROAD  
CURRIE, NORTH CAROLINA

PROJECT NO.: 25010  
DRAWN BY: JAC  
CHECKED BY: JAC  
DATE: 02/01/25  
SCALE: NOT TO SCALE

