

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

Pender EMS Station #9 Major Site Development Plan

Case Number: SDP 2024-438

Application Type: Major Site Development Plan

Applicant: Pender EMS and Fire, Inc.

Owner: Pender EMS and Fire, Inc.

Location: The subject property is located east of US Highway 421 across from Union Chapel Road in the Grady Township.

Property ID #(s): 2287-36-9405-0000

Project Area: Approximately 2 acres

Description: Development application for the construction of a new EMS station.

Current Zoning: O&I, Office & Institutional

Technical Review Committee Meeting: 11/7/2024

Board of County Commissioners/Planning Board Meeting: NA

Application Materials

Application
Site Plan

APPLICATION

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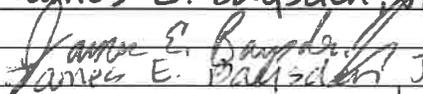
MAJOR AND MINOR SITE DEVELOPMENT APPLICATION

THIS SECTION FOR OFFICE USE			
Date:	Permit Number:	Permit Fee:	Invoice Number:
*Zoning Approval ONLY: YES / NO		Final Zoning Compliance Approved: YES / NO / N/A	
Type of Site Development Plan:	<input checked="" type="checkbox"/> Major	<input type="checkbox"/> Minor	
SECTION 1: GENERAL INFORMATION			
Applicant's Name:	Pender EMS and Fire, Inc.	Property Owner's Name:	Pender EMS and Fire, Inc.
Applicant's Address:	805 Ridgewood Road	Property Owner's Address:	805 Ridgewood Road
City, State, & Zip	Burgaw, NC 28425	City, State, & Zip	Burgaw, NC 28425
Phone Number:	910-25-0891	Phone Number:	910-25-0891
Email Address:	everett.baysden@penderems.com	Email Address:	everett.baysden@penderems.com
Legal relationship of applicant to landowner:	same		
SECTION 2: PROJECT INFORMATION			
PIN (Property Id #):	2287-36-9405-0000	Total property acreage:	2.18
Zoning:	O&I	Acreage to be disturbed:	2.2
Water Provider:	Pender County	Wastewater Provider:	septic
Directions to Site:	location is approximately 0.25 miles north of the intersection of US-421 and SR1120		
	Malpass Corner Road. Site is adjacent to Malpass Corner Elementary School		
Lot Size:	94,830 sf	Sq Ft of Building:	2,891 sf
Building Height:	22'		
Setbacks	Front: 25'	Side: 10'	Rear: 10'
NAICS Code/Use:	621910 Ambulance Services		
Business Name:	Pender EMS Station 9		
Describe activities to be undertaken on project site:	Emergency services		
Ownership:	Number of Employees:	Number of Members:	Seating Capacity:
<input checked="" type="checkbox"/> Private <input type="checkbox"/> Public	4		

**If the applicant is not the owner of the property, a notarized letter from the property owner may be required*

*Zoning approval is for the use being proposed ONLY, other department approvals may be required i.e. Fire Marshal, Environmental Health, Permitting, etc...

SECTION 4: ADDITIONAL COMMENTS

SECTION 5: SIGNATURES			
Applicant's Signature		Date:	
Applicant's Name Printed	James E. Baysden, Jr.	Date:	
Owner's Signature		Date:	
Owner's Name Printed	James E. Baysden, Jr.	Date:	
Planning Staff:		Date:	

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Major Site Development Plan Submission

Applications will be considered for the Technical Review Committee 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. _____ **Pre-submittal Meeting**
Date of Meeting _____
2. _____ **Signed Application**
3. _____ **Payment**
\$250
4. _____ **Paper Plan Sets**
Two (2) 24 x 36, Four (4) 11 x 17
5. _____ **Digital Submission**
For all documents submitted in paper copy, bring a digital copy with paper submission.
6. _____ **Adjacent Property List**
A list of names and addresses, as obtained from the county tax listings and tax abstract, to the owners of all properties located within 500-feet of the perimeter of the project bounds.
7. _____ **Adjacent Property Envelopes**
The applicant shall provide a set of business envelopes addressed to each of the owners of all properties located within 500-feet of the perimeter of the project bounds and accompanied with the amount of postage required for first class postage.
8. _____ **Permits**
Include any permits issued on the project including but not limited to: environmental, traffic, utility, or site specific conditions.
9. _____ **Site Plan Requirements**
A prepared site plan in accordance with the Unified Development Ordinance standards Section 6.3, Pender County Collector Street Plan, Pender County Transportation Plan, other approved State of Federal Transportation Improvement Plan, or any other adopted plan in Pender County.
(See Major Site Development Checklist)

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

Signature of Applicant _____

Date 10/15/24

Printed Name _____

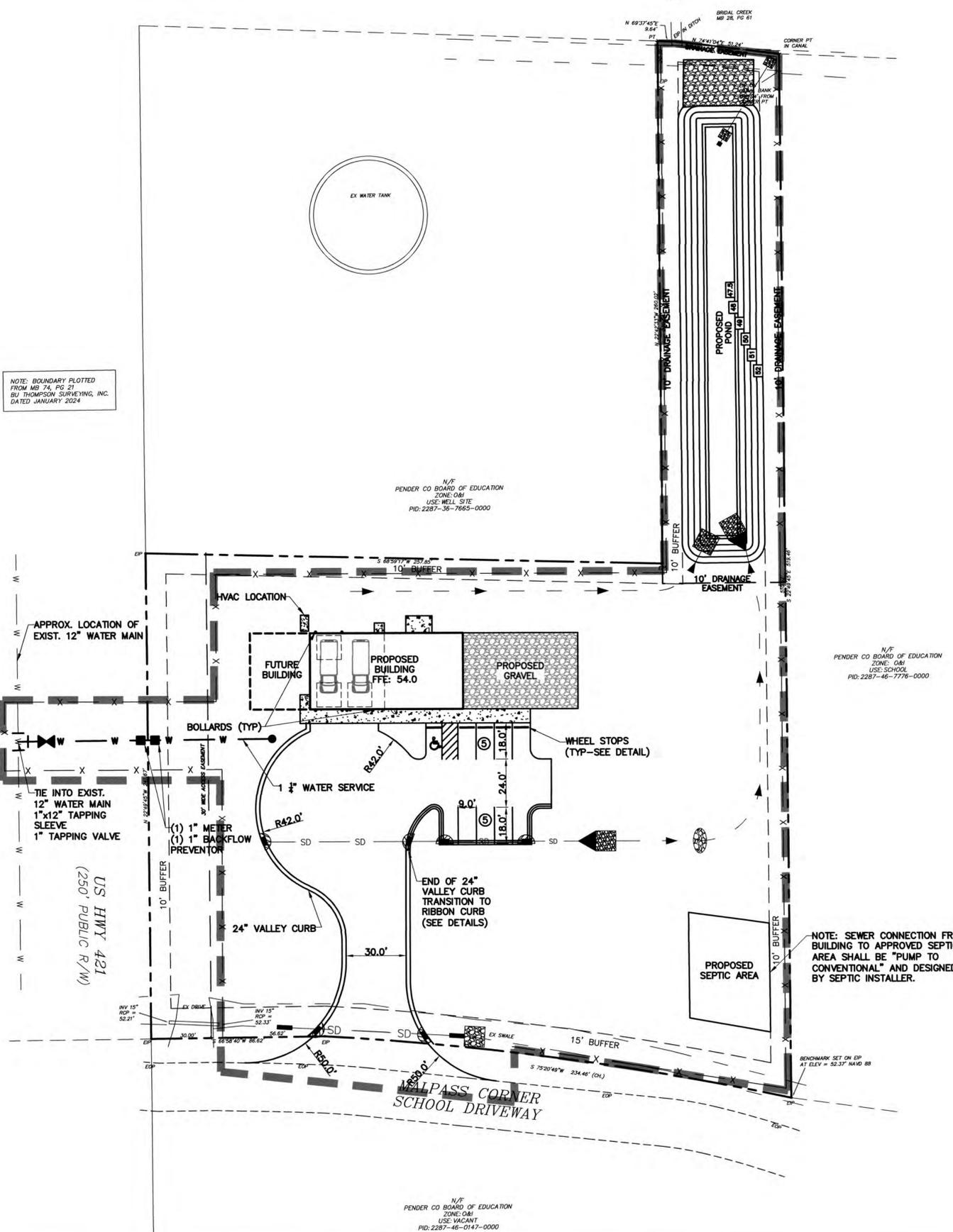
James E. Baysden

Staff Initials: _____

Date: _____

SITE PLAN

REVISIONS		
No.	Date	Description



NOTE: BOUNDARY PLOTTED FROM MB 74, PG 21 BY THOMPSON SURVEYING, INC. DATED JANUARY 2024

N/F PENDER CO BOARD OF EDUCATION ZONE: O&I USE: WELL SITE PID: 2287-36-7665-0000

N/F PENDER CO BOARD OF EDUCATION ZONE: O&I USE: SCHOOL PID: 2287-46-7776-0000

N/F PENDER CO BOARD OF EDUCATION ZONE: O&I USE: VACANT PID: 2287-46-0147-0000

NOTES:

ZONING
 1) TOPOGRAPHY AND TREE SURVEY COMPLETED BY ROBERT H. GOSLEE & ASSOCIATES, PA.
 2) PERMITTING OF BUSINESS IDENTIFICATION SIGNAGE IS A SEPARATE PROCESS.
 3) CONTRACTOR SHALL FIELD VERIFY SIZE, MATERIAL, INVERTS AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF PROPOSED CONNECTIONS.
 4) EXISTING EASEMENTS AS SHOWN
 5) CONTRACTOR SHALL MAINTAIN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
 6) FEMA FLOOD MAP INFORMATION: MAP PANEL No.: 3720228600J
 FLOOD ZONE: X
 MAP EFFECTIVE DATE: FEBRUARY 16, 2007.
 7) LIGHTING PLAN TO BE PROVIDED BY OTHERS.
 8) LANDSCAPE PLAN TO BE PROVIDED BY OTHERS.

SOLID WASTE
 1) SITE TO USE ROLL-OUT TYPE CARTS.

TRAFFIC
 1) NO ROWS TO BE CLOSED.
 2) NO STREETS PROPOSED.
 3) NO OFF SITE PARKING PROPOSED.

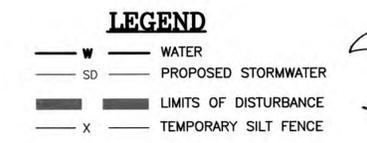
DRAINAGE
 1) SITE TO DRAIN TO ONSITE INFILTRATION BASIN.

NCDEQ
 1) NO SURFACE WATERS, WETLANDS, REGULATORY FLOOD ZONES, PROTECTED VEGETATED SETBACKS OR PROTECTED RIPARIAN BUFFERS EXIST ON SITE.

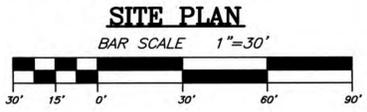
SITE DATA:

PROPERTY OWNER	PENDER EMS AND FIRE INC.
PROJECT ADDRESS	US HWY 421
PIN NUMBER	2287-36-9405-0000
ZONING DISTRICT	O&I
TRACT AREA	2.18 AC (94,830 SF)
DISTURBED AREA	2.2 AC
AREA NOT IN A FEMA 100-YEAR FLOOD ZONE.	
BUILDING USE	EMS STATION
SETBACKS REQUIRED	FRONT: 25' REAR: 10' SIDE: 10'
PROPOSED BUILDING SETBACKS	FRONT: 162' REAR: 36' SIDE: 51'
PARKING REQUIRED: (EMERGENCY SERVICES)	6
1/EMPLOYEE PER SHIFT + 1/FACILITY VEHICLE	
4 EMPLOYEES + 2 VEHICLES	
PARKING PROVIDED:	10
EXISTING IMPERVIOUS	0 SF
PROPOSED IMPERVIOUS AREAS:	
PROPOSED BUILDING	2,891 SF
PROPOSED ASPHALT	12,108 SF
PROPOSED CONCRETE	1,005 SF
PROPOSED GRAVEL	2,170 SF
FUTURE	4,585 SF
TOTAL IMPERVIOUS AREAS	22,759 SF (24%)

LAND USE	INTENSITY	ITE CODE*	24 HOUR VOL.	AM PEAK HOUR TRIPS		PM PEAK HOUR TRIPS	
				ENTER	EXIT	ENTER	EXIT
FIRE AND RESCUE STATION	1,000 SF GFA (2,891)	575	4	1	1	1	1



****NOTE:**
 1) CONTRACTOR SHALL FIELD VERIFY SIZE, MATERIAL, INVERTS AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF PROPOSED CONNECTIONS.



SITE AND UTILITY PLAN
PENDER EMS STATION 9
 PENDER COUNTY, NORTH CAROLINA

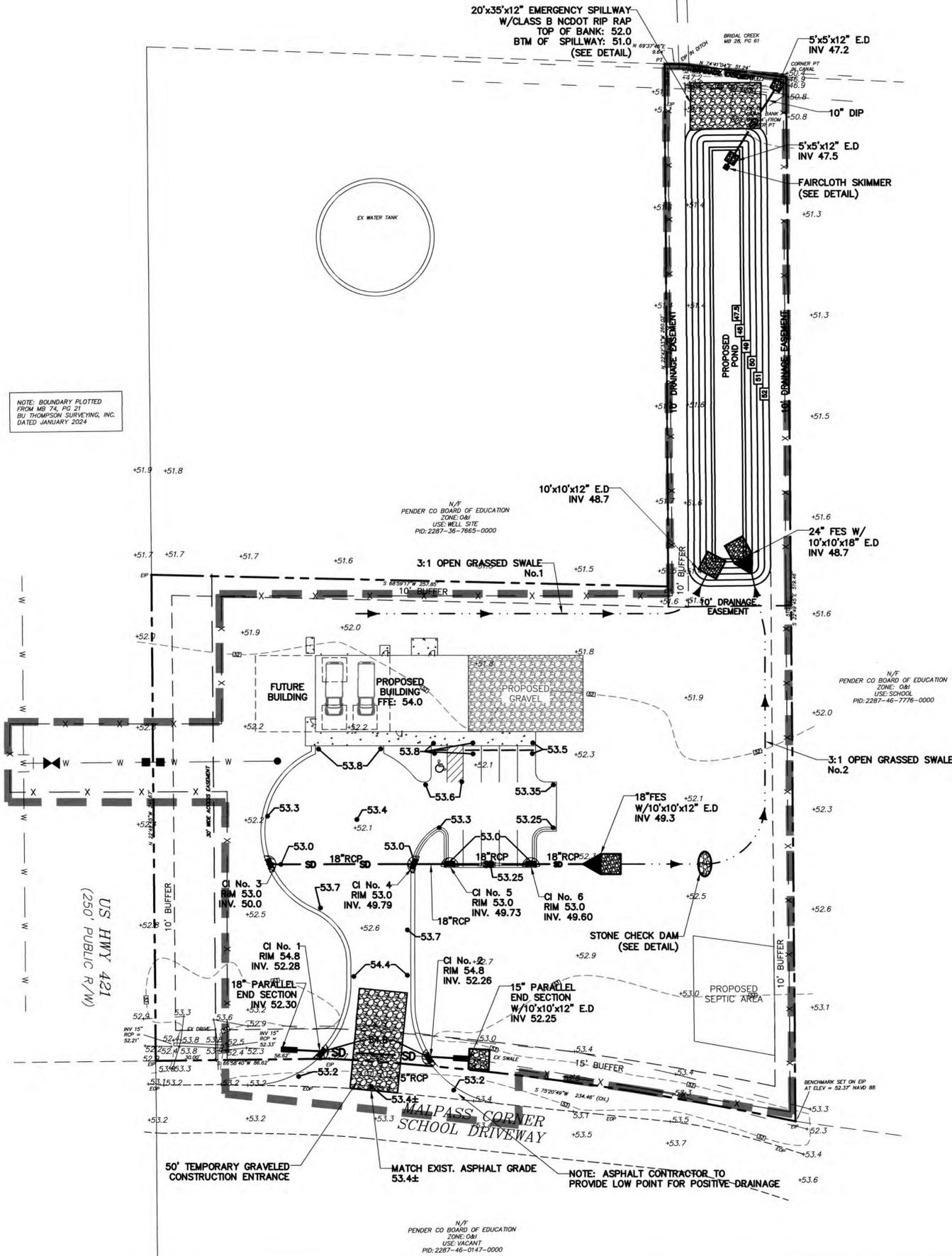
TRIPP ENGINEERING, P.C.
 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-5100
 Fax 910-763-5631
 © 2023, P.C. No. 001927

NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL
 17374
 WILLIAM GREGORY TRIPP

DATE 10-11-24
 DESIGN PGT
 DRAWN EJW

C1
 24020

REVISIONS		
No.	Date	Description



NOTES:

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DISTURBED AREA	2.2 AC
AREA NOT IN A FEMA 100-YEAR FLOOD ZONE.	
BUILDING USE	EMS STATION

SETBACKS REQUIRED

FRONT:	25'
REAR:	10'
SIDE:	10'

PROPOSED BUILDING SETBACKS

FRONT:	162'
REAR:	36'
SIDE:	51'

PARKING REQUIRED: (EMERGENCY SERVICES)

1/EMPLOYEE PER SHIFT + 1/FACILITY VEHICLE	6
4 EMPLOYEES + 2 VEHICLES	10
PARKING PROVIDED:	10

EXISTING IMPERVIOUS

	0 SF
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PROPOSED IMPERVIOUS AREAS:

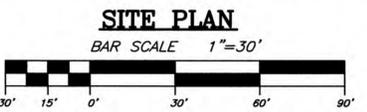
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TOTAL IMPERVIOUS AREAS	22,759 SF (24%)

NOTE: BOUNDARY PLOTTED FROM MB 74, PG 21 BY THOMPSON SURVEYING, INC. DATED JANUARY 2024

LEGEND

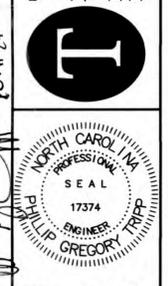
○ 37.52	EXISTING SPOT ELEVATION
● 42.3	PROPOSED SPOT ELEVATION
— SS —	SEWER
— W —	WATER
— SD —	PROPOSED STORMWATER
- - -	PROPOSED SWALE
▬	LIMITS OF DISTURBANCE
X	TEMPORARY SILT FENCE

****NOTE:**
 1) CONTRACTOR SHALL FIELD VERIFY SIZE, MATERIAL, INVERTS AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF PROPOSED CONNECTIONS.



GRADING, DRAINAGE, EROSION CONTROL, STORMWATER MANAGEMENT AND UTILITIES
PENDER EMS STATION 9
PENDER COUNTY, NORTH CAROLINA

TRIPP ENGINEERING, P.C.
 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-5100
 Fax 910-763-5681
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DATE 10-11-24
 DESIGN PGT
 DRAWN EJW

C2
 24020

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 Sedimentation 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

Site Area Description	Required Ground Stabilization Timeframes 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. -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
(d) Slopes 3:1 to 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
(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 is 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"> Temporary grass seed covered with straw or other mulches and tackifiers Hydroseeding Roller erosion control products with or without temporary grass seed Appropriately applied straw or other mulch Plastic sheeting 	<ul style="list-style-type: none"> Permanent grass seed covered with straw or other mulches and tackifiers Geotextile fabrics such as permanent soil reinforcement matting Hydroseeding Shrubs or other permanent plantings covered with mulch Uniform and evenly distributed ground cover Structural methods such as concrete, asphalt or retaining walls Roller erosion control products with grass seed

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

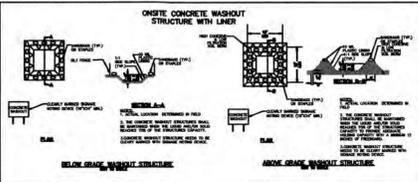
- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled,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



CONCRETE WASHOUTS

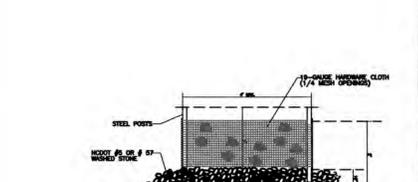
- Do not discharge concrete or cement slurry from the site.
- Dispose of, or recycle/strengthen, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
- Install temporary concrete washout 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.

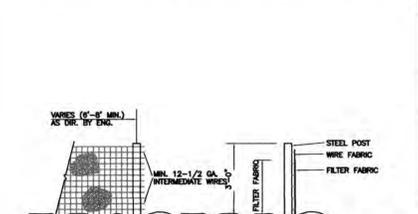
HAZARDOUS AND TOXIC WASTE

- Create designated hazardous waste collection area 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.



CONSTRUCTION REQUIREMENTS:
 1. HARDWARE CLOTH SHALL BE A MINIMUM 18" X 18" GALVANIZED STEEL WIRE MESH WITH 1/2" DIA. WIRE.
 2. HARDWARE CLOTH SHALL BE FASTENED TO THE WIRE FABRIC AS DIRECTED BY THE ENGINEER.
 3. STEEL POST SHALL BE 2" DIA. IN HEIGHT AND BE OF THE SELF-FASTENING STEEL ANGLE TYPE.

TEMPORARY SILT FENCE



- INSTALLATION: 1. MAKE A NEAT APPEARANCE IS REQUIRED. SET SPACING OF POSTS TO BE 10 FEET ON CENTER. MAKE A NEAT APPEARANCE IS REQUIRED. SET SPACING OF POSTS TO BE 10 FEET ON CENTER. MAKE A NEAT APPEARANCE IS REQUIRED. SET SPACING OF POSTS TO BE 10 FEET ON CENTER.
- MAINTENANCE: 1. REPAIR AND MAINTAIN SILT FENCE TO REMAIN EFFECTIVE. 2. REMOVE AND REPLACE SILT FENCE WHEN IT IS DAMAGED OR WHEN IT IS NO LONGER EFFECTIVE.

TEMPORARY SEEDING SPECIFICATION

SPECIES	RATE (lb/acre)
Perennial Ryegrass (Kobe)	120
Perennial Ryegrass (Kobe)	120
Perennial Ryegrass (Kobe)	120

SEEDING DATES	SEEDING DATES
LATE SPRING - EARLY SPRING	Perennial Ryegrass - May 15-Aug 15 Perennial Ryegrass - May 15-Aug 15 Perennial Ryegrass - May 15-Aug 15
SUMMER	Perennial Ryegrass - May 15-Aug 15 Perennial Ryegrass - May 15-Aug 15 Perennial Ryegrass - May 15-Aug 15
FALL	Perennial Ryegrass - May 15-Aug 15 Perennial Ryegrass - May 15-Aug 15 Perennial Ryegrass - May 15-Aug 15

PERMANENT GRASSING DETAIL	SEEDING MIXTURE	RATE (lb/acre)
PERMANENT GRASSING DETAIL	PERMANENT GRASSING DETAIL	PERMANENT GRASSING DETAIL
PERMANENT GRASSING DETAIL	PERMANENT GRASSING DETAIL	PERMANENT GRASSING DETAIL

SOIL AMENDMENTS	SOIL AMENDMENTS
SOIL AMENDMENTS	SOIL AMENDMENTS
SOIL AMENDMENTS	SOIL AMENDMENTS

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NCG01 GROUND STABILIZATION AND MATERIALS HANDLING EFFECTIVE: 04/01/19

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 a 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 records.

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 with no rainfall cannot be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&S 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 measures. 6. Description, evidence, and date of corrective actions taken.
(3) Stormwater outfalls (SDO)	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	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	1. 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: a. Description, evidence, and date of corrective actions taken, and b. Records of the required reports to the appropriate Division Regional Office and Section Chief (if applicable) under this permit. 2. Documentation that the required ground stabilization measures have been provided within the required time frame, or assurance that they will be provided as soon as possible.
(6) Ground stabilization measures	After each phase of grading	1. The phase of grading (installation of perimeter E&S 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 time frame, or assurance that they will be provided as soon as possible.

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

PART II, SECTION G, ITEM (4) DRAW DOWN OF SEDIMENT BASIN 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:

- The E&S 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&S plan authority has approved these items.
- 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.
- 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, wet tanks, and filtration systems.
- Vegetated, upland areas of the sites or adjacent areas are used to the extent feasible at the outlet of the dewatering treatment devices described in item (c) above.
- Velocity dissipation devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices, and
- 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.

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

1. E&S Plan Documentation

The approved E&S plan as well as any approved deviation shall be kept on the site. The approved E&S plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&S 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&S measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&S plan.	Initial and date each E&S measure on a copy of the approved E&S plan or complete, date and sign an inspection report that lists each E&S measure shown on the approved E&S plan. This documentation is required upon the initial installation of the E&S measures or if the E&S measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&S 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&S plan.	Initial and date a copy of the approved E&S 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&S measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&S measures.	Initial and date a copy of the approved E&S 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&S 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:

- This General Permit as well as the Certificate of Coverage, after it is received.

3. Documentation to be Retained for Three Years

All data used to complete the 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

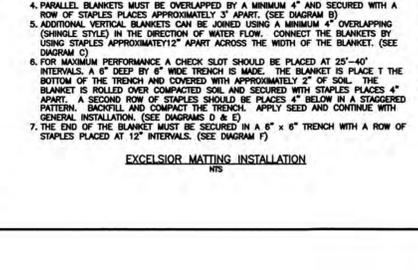
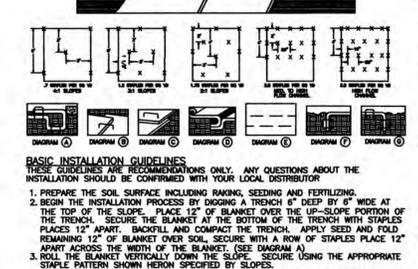
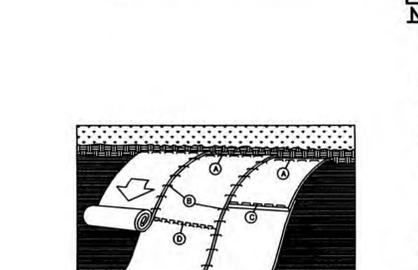
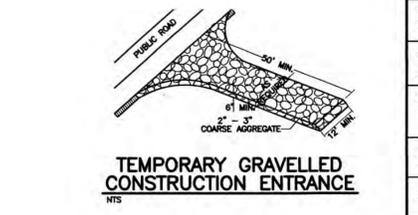
Permittees shall report the following occurrences:

- Visible sediment deposition in a stream or wetland.
- 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).
- Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 113.0.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.
- Anticipated bypasses and unanticipated bypasses.
- 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"> Within 24 hours, an oral or electronic notification. Within 7 calendar days, 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. If the stream is named on the NCG01 permit 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.
(b) Oil spills or releases of hazardous substances per item (1)(b)(c) above	<ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release. A report or at least ten days before the date of the bypass, if possible. The report shall include an evaluation of the anticipated quality and effect of the bypass. Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass. Within 24 hours, an oral or electronic notification. Within 7 calendar days, 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 recurrence of the noncompliance. [40 CFR 122.41(i)(6)]. Division staff may waive the requirement for a written report on a case-by-case basis.
(c) Anticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass. Within 24 hours, an oral or electronic notification. Within 7 calendar days, 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 recurrence of the noncompliance. [40 CFR 122.41(i)(6)]. Division staff may waive the requirement for a written report on a case-by-case basis.
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass. Within 24 hours, an oral or electronic notification. Within 7 calendar days, 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 recurrence of the noncompliance. [40 CFR 122.41(i)(6)]. Division staff may waive the requirement for a written report on a case-by-case basis.
(e) Noncompliance with the conditions of this permit that may endanger health or the environment [40 CFR 122.41(j)(7)]	<ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. Within 7 calendar days, 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 recurrence of the noncompliance. [40 CFR 122.41(i)(6)]. Division staff may waive the requirement for a written report on a case-by-case basis.



NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING EFFECTIVE: 04/01/19

REVISIONS

No./Date	Description	By

- THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIARIZED WITH EXISTING CONDITIONS BOTH ON AND IMMEDIATELY ADJACENT TO THE SITE.
- CLEARING: CONTRACTOR SHALL REMOVE ALL TREES AND VEGETATION WITHIN LIMITS OF CONSTRUCTION UNLESS OTHERWISE DESIGNATED TO REMAIN.
- GRUBBING AND STRIPPING: CONTRACTOR SHALL RAKE AND REMOVE ROOTS, STUMPS, VEGETATION, DEBRIS, EXISTING STRUCTURES ABOVE AND BELOW GRADE, ORGANIC MATERIAL OR ANY OTHER UNSUITABLE MATERIAL WITHIN LIMITS OF CONSTRUCTION.
- MIXING: CONTRACTOR SHALL COORDINATE WITH OWNER AND THEIR GEOTECHNICAL REPRESENTATIVE TO COORDINATE REMOVAL OF ANY SOFT AREAS.
- DISPOSAL: CLEARED, GRUBBED, STRIPPED OR OTHER WASTE MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A PROPERLY PERMITTED FACILITY.
- FILL AND COMPACTION SHOULD COMPLY WITH GEOTECHNICAL REPORT.
- THE CONTRACTOR SHALL NOTE THAT THE GRADING PLAN MAY NOT REPRESENT A BALANCED EARTHWORK CONDITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUT AND FILL QUANTITIES AND COMPLETE INSTALLATION TO SPECIFIED GRADES.
- THE CONTRACTOR SHALL FURNISH SUITABLE BORROW MATERIAL FROM AN OFF-SITE PROPERLY PERMITTED FACILITY AS REQUIRED.
- THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. BEFORE COMMENCING ANY EXCAVATIONS IN OR ALONG ROADWAYS OR RIGHT-OF-WAYS, PUBLIC AREAS OR IN PRIVATE EASEMENTS, THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE PERSONNEL OF THEIR INTENT TO EXCAVATE, IN WRITING, NOT LESS THAN 10 DAYS PRIOR TO EXCAVATING.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE DISCONNECTION/ RECONNECTION AND/OR THE RELOCATION OF ALL EXISTING UTILITIES WITH APPROPRIATE PERSONNEL.
- EXISTING SURVEYING PERFORMED BY ROBERT H. GOSLEE & ASSOCIATES, PA AND SUPPLIED BY THE OWNER.
- THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AT THE SITE. FURTHERMORE THE CONTRACTOR SHALL REPORT ALL DISCREPANCIES OR QUESTIONS TO THE ENGINEER PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL PROVIDE ANY AND ALL LAIOUT REQUIRED TO CONSTRUCT HIS WORK UNLESS OTHERWISE DIRECTED BY OWNER.
- ALL EXISTING UTILITIES SHALL BE INSTALLED WITH A MINIMUM OF 36" COVER AT FINAL GRADE.
- ALL SERVICE CONNECTIONS SHALL BE INSTALLED TO MEET ALL LOCAL AND STATE CODES. METERS, TAPS, MATERIALS, WORKMANSHIP AND ALL FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL COMPLY WITH ALL REQUIREMENTS.
- ALL PAVEMENT, BASE AND SUBGRADE SHALL CONFORM TO NCDOT STANDARDS INCLUDING WORKMANSHIP, MATERIALS AND EQUIPMENT. APPROPRIATE BARRICADES, SIGNS, LIGHTS OR OTHER TRAFFIC CONTROL DEVICES SHALL BE PROVIDED IN ACCORDANCE WITH NCDOT TO MAINTAIN SAFETY AND TWO WAY TRAFFIC.
- ALL AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO INSTALLATION. ALL AREAS SHALL BE SLOPED TO DRAIN AWAY FROM BUILDINGS AND ALL REQUIREMENTS.
- CONCRETE STORM DRAINAGE PIPE SHALL BE CLASS III WITH RUBBER GASKETED JOINTS AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
- WHITE LANE MARKING PAINT SHALL BE PROVIDED IN ACCORDANCE WITH NCDOT. A CHLORINATED RUBBER ALLOY, FS TT-115, TYPE III, FACTORY MIXED, QUICK DRYING, NON BLEEDING, REFLECTIVE MATERIAL MAY BE ADDED AT OWNER'S OPTION FOR NIGHT REFLECTIVITY.
- DUCTILE IRON SHALL BE CLASS 50.
- CONCRETE FOR WALKS, CURBS AND DRIVES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS - AIR ENTRAINED.

BY THE OWNER, FURTHER TESTING REQUIRED DUE TO A FAILED TEST WILL BE PAID FOR BY THE CONTRACTOR.

23. SEE GEOTECHNICAL REPORT NO. _____ DATED _____ BY _____ FOR ADDITIONAL REQUIREMENTS.

CONSTRUCTION SEQUENCE

- NO CUT SLOPE OR FILL SLOPE SHALL EXCEED A RISE OR FALL OF ONE FOOT FOR EVERY RUN OF 3 FEET (1 VERTICAL TO 3 HORIZONTAL).
- ALL EXISTING EROSION SHALL BE CONTROLLED AND PROTECTED FROM FURTHER EROSION DURING AND AFTER CONSTRUCTION.
- INSTALL PRIMARY EROSION CONTROL MEASURES BEFORE BEGINNING CONSTRUCTION INCLUDING BUT NOT LIMITED TO GRADEWORK, CONSTRUCTION ENTRANCE, SILT FENCE, CHECK DAMS, ETC. INSTALL ALL SECONDARY EROSION CONTROL MEASURES AS SOON AS POSSIBLE AFTER BEGINNING CONSTRUCTION.
- ALL EROSION CONTROL MEASURES TO BE INSPECTED AFTER EACH RAIN. SILT FENCE AND INLET PROTECTION SHALL BE CLEANED WHEN 0.5 FEET OF SEDIMENT HAS ACCUMULATED IN FRONT OF THE DEVICE OR WHEN THEY LEAK OR FAIL. SEDIMENT TRAPS ARE CLEANED OUT AS STATED OR WHEN HALF FULL.
- IF APPLICABLE, CONSTRUCT PROPOSED RETENTION POND TO ACT AS A SEDIMENT BASIN DURING CONSTRUCTION. REMOVE ACCUMULATION OF SOLIDS AS REQUIRED TO ALLOW PROPER FUNCTIONING. RESTORE POND TO DESIGN LEVEL AT THE COMPLETION OF CONSTRUCTION.
- IF APPLICABLE, INSTALL DROP INLETS WITH INLET PROTECTION TO ACT AS SILT TRAPS DURING CONSTRUCTION. REMOVE ACCUMULATED SILT AS NEEDED TO PREVENT SILT FROM ENTERING STORM DRAIN.
- A 4" LAYER OF TOPSOIL SHALL BE APPLIED TO ALL NEW AREAS TO BE GRASSSED.
- MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PROJECT IS COMPLETE.
- MORE STRINGENT MEASURES MAY BE REQUIRED TO HAL

