

Invitation for Bid No. 2023-003

Stack Road 8" Water Main Extension

ADDENDUM No. 1

ISSUE DATE: September 1, 2022

Responding Bidders on this project are hereby notified that this Addendum shall be made a part of the above named IFB document.

The following items add to, modify, and/or clarify the IFB documents and shall have the full force and effect of the original Documents. This Addendum shall be acknowledged by the Offeror in the IFB document.

ADDENDUM NO. 1

Union County

Stack Road 8" Water Main Extension Union County Project No: 2022-003

McKim & Creed Project # 00771-0033

Bids Due: Thursday, September 08, 2022 at 2:00 PM EST

DATE: September 01, 2022

TO: ALL PLAN HOLDERS

Please note the following clarifications, changes, and/or additions to the above referenced project:

Scope

Addendum #1 is issued to answer the following questions:

Questions:

1. Please clarify pipe bedding details. Sheet D.02, Detail 8 Class B demonstrates #67 Stone backfill and detail 8B, Water Trench is Select Material. What is the intent? All #67 Stone or will Select Material be allowed.

Answer: Detail 8 has been deleted from sheet D.02. Pipe bedding shall be select backfill per Detail 8B, with the exception of areas where unsuitable materials/bedding is discovered as defined in Technical Specification 02220 – Excavating, Grading, Trenching, and Backfilling.

2. If #67 Stone is the intent will testing for compaction only be require on the soil above the #67 Stone?

Answer: Compaction testing locations will be at Engineer/Owner's discretion.

3. Are Thrust Blocks Required on all bends?

Answer: Thrust blocking is not allowed. Pipe restraints shall be handled using mechanically restrained joints. Restrained joint lengths shall be per the Restrained Pipe Length Table on sheet D.02.

4. Can the Air Release Manhole be built of block?

Answer: Air release valves are not required and are not included in the bid form. Detail 4 on sheet D.01 has been incorporated for use only in the case of an unforeseen

Project: 00771-0033 / Stack Road 8" Water Main Extension

change in construction. If an unforeseen field condition requires an ARV, only a precast manhole would be permitted.

5. Considering the extremely long lead times for 8" ductile iron pipe, would the Owner consider as an alternate using 8" restrained joint PVC in lieu of ductile iron?

Answer: No. The Owner understands the issues with material lead times. Contract times may be adjusted during the project based on review of a Contractor's claim per Article 12 of the General Conditions.

6. Was any Geotech exploration performed for this project? If not, can a rock excavation unit price be added to the bid form?

Answer: Geotechnical exploration has not been performed for this project. Per Technical Specification 01630 – Measurement & Payment, subsection 1.6 - Excavation and Trenching, there shall be no separate payment for rock excavation, the unit or lump sum price bid for each item of Work shall include all costs for rock excavation.

7. Can we test dig/drill this project to check for rock or the lack thereof? We request one test hole and it would be located adjacent to Armfield Mill Road.

Answer: A single test hole is permitted adjacent to Armfield Mill Road (outside of pavement), within the County's utility easement. The test hole shall be no greater than 6-inches in diameter and test hole shall be backfilled upon completion. As with all work on the project, restoration to all areas disturbed by the work shall be to better than original condition. As part of this effort, the Contractor shall be responsible for locating existing utilities prior to excavation and providing maintenance of traffic confirming to state and local requirements.

8. Are we supposed to put a blow off assembly on the Tee at STA 70+29, or the Cap at STA 70+45? Or neither? The plan view looks like it shows more pipe continuing after the cap going to 70+64, however the profile just shows the cap and the fire hydrant assembly, coming off that tee, ending at STA 70+64. There are also details on pg. D.01 (details 2A/7A), that show blow off assemblies for both of those scenarios.

Answer: The new water main installation will stop with the cap at 70+45. A permanent blow off is not included as part of the project.

9. PG. EC.01 Detail EC-00 shows the list, and measurements, of all the Rip Rap lined swales. On that detail it lists 9 swales total. However, on the plan sheets I only counted 6. Are we to include the other 3 in our bid?

Answer: Detail EC-00 on sheet EC.01 has been revised to include only the six swales locations indicated in the plan set.

10. Since this is a main extension, are we responsible for any new services to the homes/businesses along stack road?

Answer: No.

11. Do you have a cost estimate that you are willing to share?

Answer: No.

Changes to the Plans:

The revised copies of sheets D.02. and EC.01 have been provided as part of this addendum.

Acknowledgement to Bidder:

Please acknowledge receipt of this addendum by inserting the appropriate addendum number and date in paragraph 3.01.A of the bid form.

Union County appreciates your input in this project. Hopefully these revisions and clarifications will improve upon this project. We look forward to receiving your bid on Thursday, September 08, 2022.

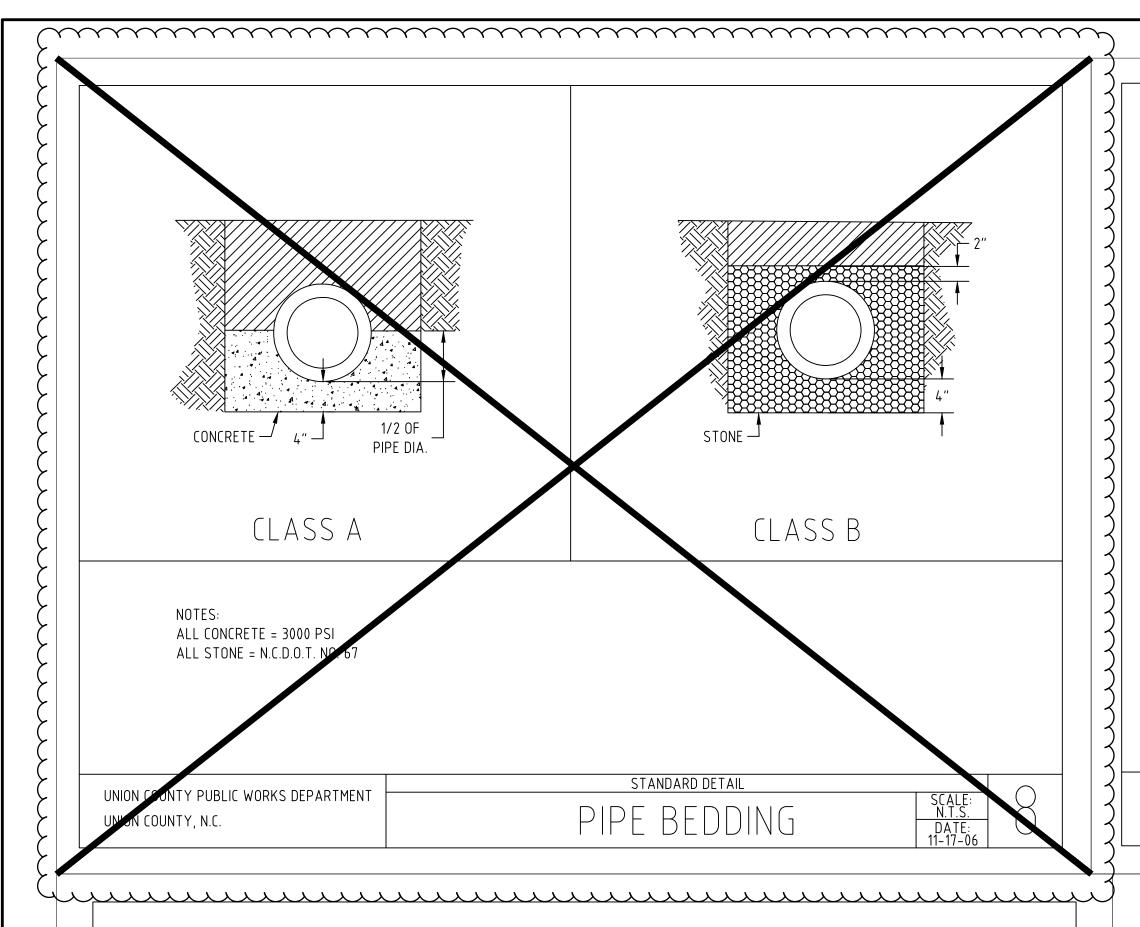
The foregoing changes are hereby incorporated into the Contract, Documents and Drawings for the Stack Road 8" Water Mian Extension Project.

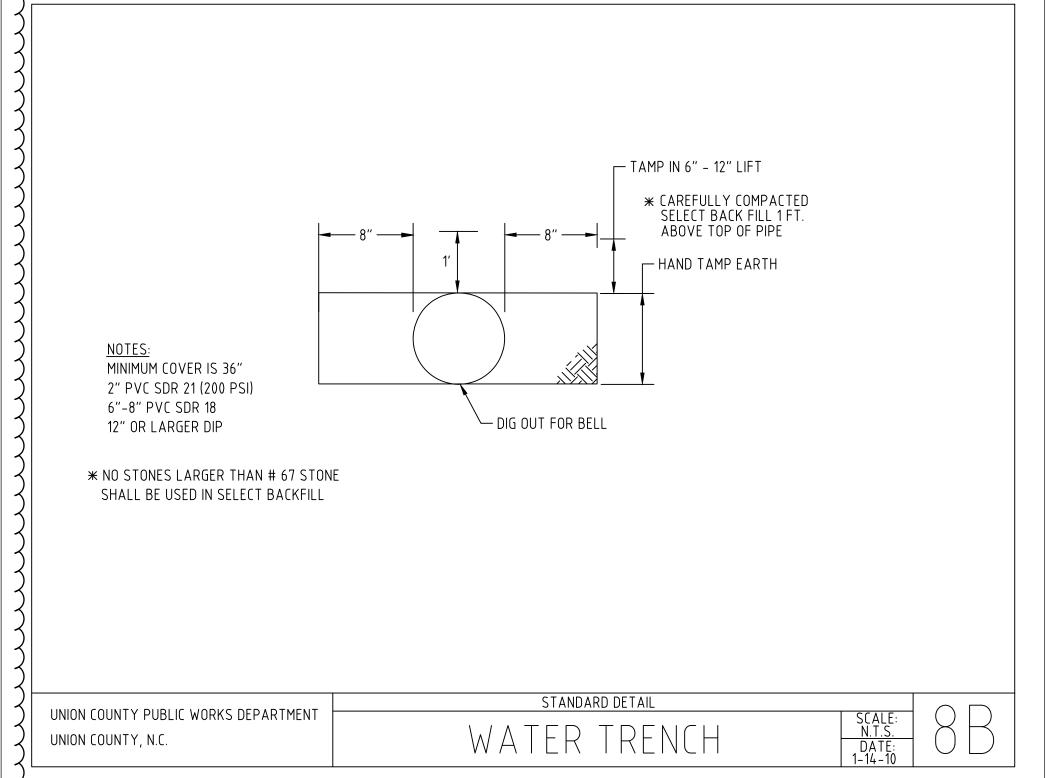
Very truly yours,

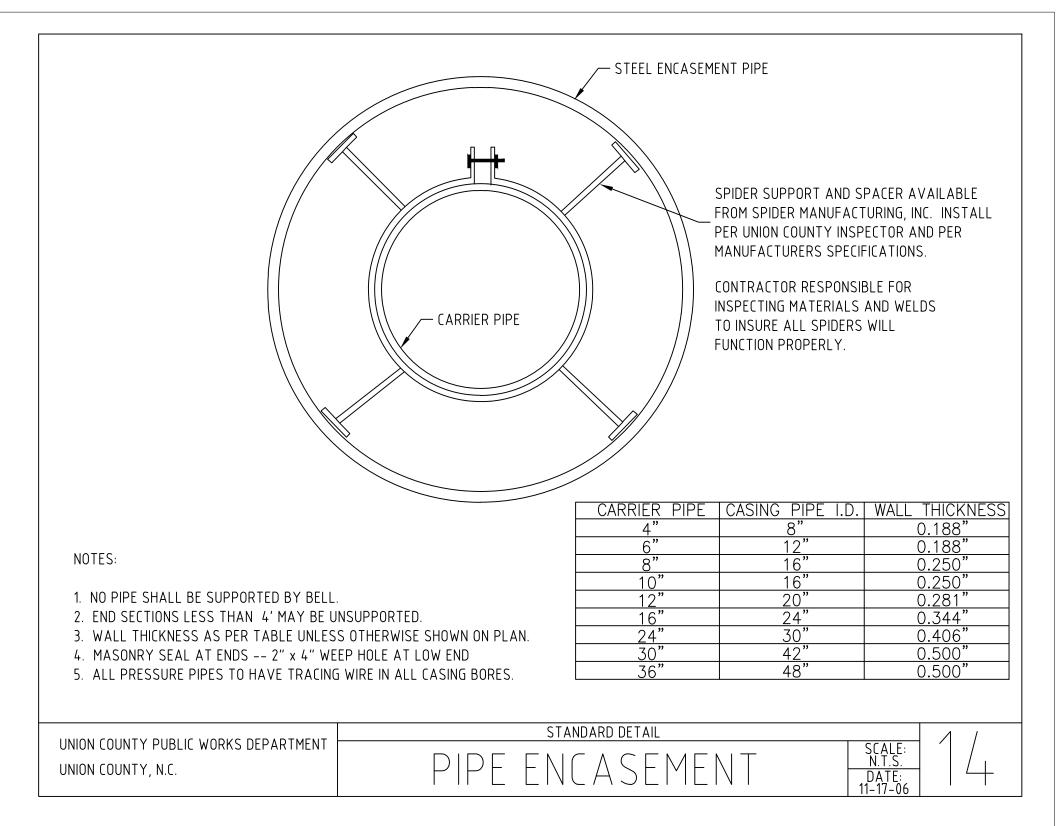
McKim & Creed, Inc.

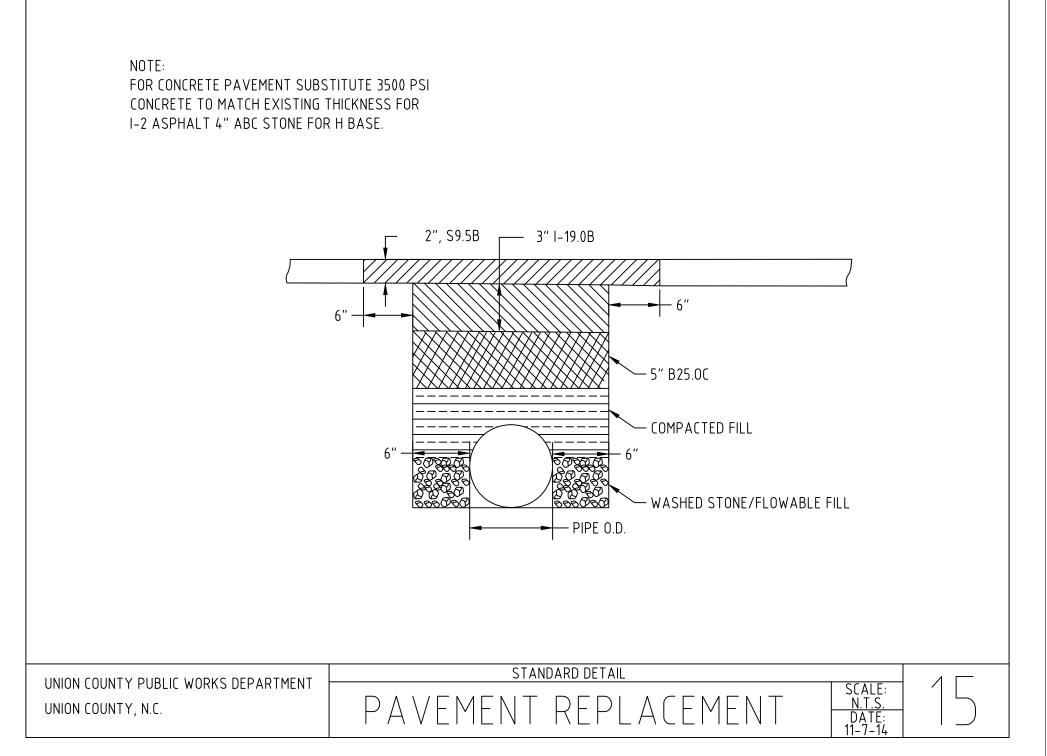
Chris Rosenboom, PE Project Manager

Project: 00771-0033 / Stack Road 8" Water Main Extension



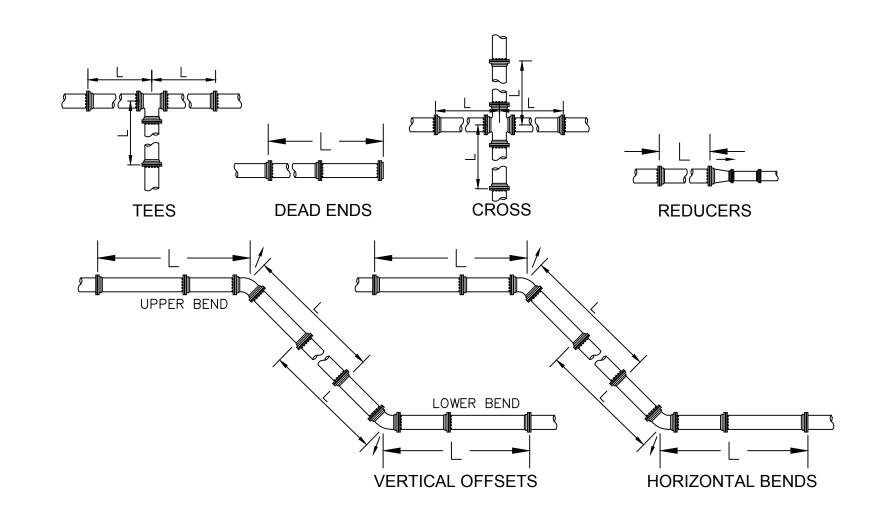


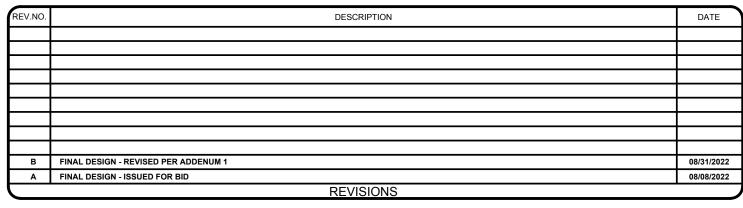


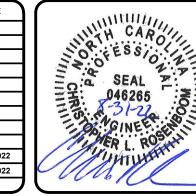


Main Pipe Diameter (inches)	Horizontal Bends (Degrees)			Tees	Reducers (Main Diameter x Reducer Diameter (inches)			Dead Ends	Vertical Offsets (All Bend Angles)			
	90	45	22.5	11.3		x6	х8	x10	x12		Upper	Lower
24	140	58	28	14	10	305	289	268	243	329	137	33
20	121	50	24	12	10	253	233	208	177	282	117	28
18	111	46	23	11	10	226	202	174	140	258	107	26
16	101	42	21	10	10	196	170	138	99	233	97	23
12	80	33	16	8	10	132	96	53		181	75	18
10	68	29	14	7	10	95	52			154	64	15
8	57	24	12	6	10	54				128	53	13
6	44	19	9	5	10					98	41	10
4	32	13	7	4	10					70	29	7
3	27	11	6	3	10					58	24	6

*TABLE ABOVE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. RESTRAINED JOINT LENGTHS SHOWN ON PIPE PROFILES SHALL BE FOLLOWED.









www.mckimcreed.com



STACK ROAD 8" WATER MAIN EXTENSION	

DETAIL 2

1	PROJ. START DATE	: AUG 2021	SCALE
- 1	MCE PROJ. #	00771-0033	
1	DRAWN	AWB	HORIZONTAL:
١	DESIGNED	AWB	N/A
4	CHECKED	NRD	VERTICAL:

CLR

VERTICAL:

N/A

B

REVISION

FINAL DESIGN REVISED PER ADDENDUM 1

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.

	Re	equired Ground Stabil	ization Timeframes		
Si	te 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 Zone -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.

Permanent Stabilization

other mulches and tackifiers

reinforcement matting

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

• Temporary grass seed covered with straw or | • Permanent grass seed covered with straw or other mulches and tackifiers Hydroseeding

 Geotextile fabrics such as permanent soil Rolled erosion control products with or without temporary grass seed

 Hydroseeding Appropriately applied straw or other mulch
 Shrubs or other permanent plantings covered Plastic sheeting

with mulch Uniform and evenly distributed ground cover sufficient to restrain erosion Structural methods such as concrete, asphalt or retaining walls Rolled erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

CONCRETE WASHOUTS

approved facility.

out and removed from project.

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.
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

Do not discharge concrete or cement slurry from the site.

Dispose of or recycle settled, hardened concrete residue in

Manage washout from mortar mixers in accordance with the

above item and in addition place the mixer and associated

Install temporary concrete washouts per local requirements,

accordance with local and state solid waste regulations and at an

materials on impervious barrier and within lot perimeter silt fence.

where applicable. If an alternate method or product is to be used,

contact your approval authority for review and approval. If local

Do not use concrete washouts for dewatering or storing defective

system or receiving surface waters. Liquid waste must be pumped

curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain

Locate washouts at least 50 feet from storm drain inlets and

are reasonably available. At a minimum, install protection of

storm drain inlet(s) closest to the washout which could receive

surface waters unless it can be shown that no other alternatives

standard details are not available, use one of the two types of

temporary concrete washouts provided on this detail.

Provide ponding area for containment of treated Stormwater before discharging

QUIPMENT AND VEHICLE MAINTENANCE

Maintain vehicles and equipment to prevent discharge of fluids. Provide drip pans under any stored equipment.

3. Identify leaks and repair as soon as feasible, or remove leaking equipment from the 4. 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. 6. Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products

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

to a recycling or disposal center that handles these materials.

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.

8. Dispose waste off-site at an approved disposal facility. 9. 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.
- 1. Containment must be labeled, sized and placed appropriately for the needs of site. 5. Prevent the discharge of soaps, solvents, detergents and other liquid wastes from

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

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.

7. 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. 8. Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to

spills or overflow

identify this location. 9. 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.

10. 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

HERBICIDES, PESTICIDES AND RODENTICIDES

Store herbicides, pesticides and rodenticides in their original containers with the

Store and apply herbicides, pesticides and rodenticides in accordance with label

ONSITE CONCRETE WASHOUT

-CLEARLY MARKED SIGNAGE

NOTING DEVICE (18"X24" MIN.)

STRUCTURE WITH LINER

1. ACTUAL LOCATION DETERMINED IN FIELD

2. THE CONCRETE WASHOUT STRUCTURES SHALL

BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY.

3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARY MARKED WITH SIGNAGE NOTING DEVICE.

NOTES:
1. ACTUAL LOCATION DETERMINED IN

STRUCTURES SHALL BE MAINTAINED

WHEN THE LIQUID AND/OR SOLID

HOLDING CAPACITY WITH A MINIMUM

12 INCHES OF FREEBOARD.

3. CONCRETE WASHOUT STRUCTURE

2. THE CONCRETE WASHOUT

label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.

-CLEARLY MARKED SIGNAGE

<u>PLAN</u>

NOTING DEVICE (18"X24" MIN.)

ABOVE GRADE WASHOUT STRUCTURE
NOT TO SCALE

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 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.

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

EFFECTIVE: 04/01/19

SELF-INSPECTION, RECORDKEEPING AND REPORTING

(during normal

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.

Inspection records must include:

	business hours)	
(1) Rain gauge	Daily	Daily rainfall amounts.
maintained in		If no daily rain gauge observations are made during weekend or
good working		holiday periods, and no individual-day rainfall information is
order		available, record the cumulative rain measurement for those un-
		attended 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	At least once per	Identification of the measures inspected,
Measures	7 calendar days	Date and time of the inspection,
ivieasures	and within 24	· · ·
		3. Name of the person performing the inspection,
	hours of a rain	4. Indication of whether the measures were operating
	event ≥ 1.0 inch in	properly,
	24 hours	5. Description of maintenance needs for the measure,
		6. Description, evidence, and date of corrective actions taken.
(3) Stormwater	At least once per	1. Identification of the discharge outfalls inspected,
discharge	7 calendar days	2. Date and time of the inspection,
outfalls (SDOs)	and within 24	3. Name of the person performing the inspection,
	hours of a rain	4. Evidence of indicators of stormwater pollution such as oil
	event \geq 1.0 inch in	sheen, floating or suspended solids or discoloration,
	24 hours	5. Indication of visible sediment leaving the site,
		6. Description, evidence, and date of corrective actions taken.
(4) Perimeter of	At least once per	If visible sedimentation is found outside site limits, then a record
site	7 calendar days	of the following shall be made:
	and within 24	1. Actions taken to clean up or stabilize the sediment that has left
	hours of a rain	the site limits,
	event ≥ 1.0 inch in	2. Description, evidence, and date of corrective actions taken, and
	24 hours	3. An explanation as to the actions taken to control future
		releases.
(5) Streams or	At least once per	If the stream or wetland has increased visible sedimentation or a
wetlands onsite	7 calendar days	stream has visible increased turbidity from the construction
or offsite	and within 24	activity, then a record of the following shall be made:
(where	hours of a rain	1. Description, evidence and date of corrective actions taken, and
accessible)	event \geq 1.0 inch in	2. Records of the required reports to the appropriate Division
	24 hours	Regional Office per Part III, Section C, Item (2)(a) of this permit.
(6) Ground	After each phase	The phase of grading (installation of perimeter E&SC
stabilization	of grading	measures, clearing and grubbing, installation of storm
measures		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

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

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.

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

SELF-INSPECTION, RECORDKEEPING AND REPORTING

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.

Documentation Requirements

Initial and date each E&SC measure on a copy

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

Initial and date a copy of the approved E&SC

report to indicate completion of the

plan or complete, date and sign an inspection

Initial and date a copy of the approved E&SC

plan or complete, date and sign an inspection

report to indicate compliance with approved

Complete, date and sign an inspection report.

Initial and date a copy of the approved E&SC

report to indicate the completion of the

plan or complete, date and sign an inspection

The following items pertaining to the E&SC plan shall be kept on site and available for

and does not significantly deviate from the of the approved E&SC plan or complete, date

locations, dimensions and relative elevations | and sign an inspection report that lists each

installation.

construction phase.

corrective action.

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

(a) This General Permit as well as the Certificate of Coverage, after it is received.

Division provides a site-specific exemption based on unique site conditions that make

(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

ground cover specifications.

SECTION B: RECORDKEEPING

1. E&SC Plan Documentation

Item to Document

shown on the approved E&SC plan.

(a) Each E&SC measure has been installed

(b) A phase of grading has been completed.

(c) Ground cover is located and installed

in accordance with the approved E&SC

(d) The maintenance and repair

have been performed.

to E&SC measures.

requirements for all E&SC measures

this requirement not practical:

(e) Corrective actions have been taken.

2. Additional Documentation to be Kept on Site

3. Documentation to be Retained for Three Years

inspection at all times during normal business hours.

PART II, SECTION G, ITEM (4)

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:

DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

(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.

PART III

SELF-INSPECTION, RECORDKEEPING AND 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:

deposition in a

(b) Oil spills and

may endanger

health or the

environment[40

SECTION C: REPORTING

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

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)

Reporting Timeframes (After Discovery) and Other Requirements (a) Visible sediment • Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that contains a description of the stream or wetland 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 NC 303(d) list as impaired for sedimentrelated 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. • Within 24 hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and

release of hazardous location of the spill or release. substances per Item 1(b)-(c) above

(c) Anticipated A report at least ten days before the date of the bypass, if possible bypasses [40 CFR The report shall include an evaluation of the anticipated quality and 122.41(m)(3)] effect of the bypass. (d) Unanticipated Within 24 hours, an oral or electronic notification.

bypasses [40 CFR • Within 7 calendar days, a report that includes an evaluation of the 122.41(m)(3)] quality and effect of the bypass (e) Noncompliance • Within 24 hours, an oral or electronic notification.

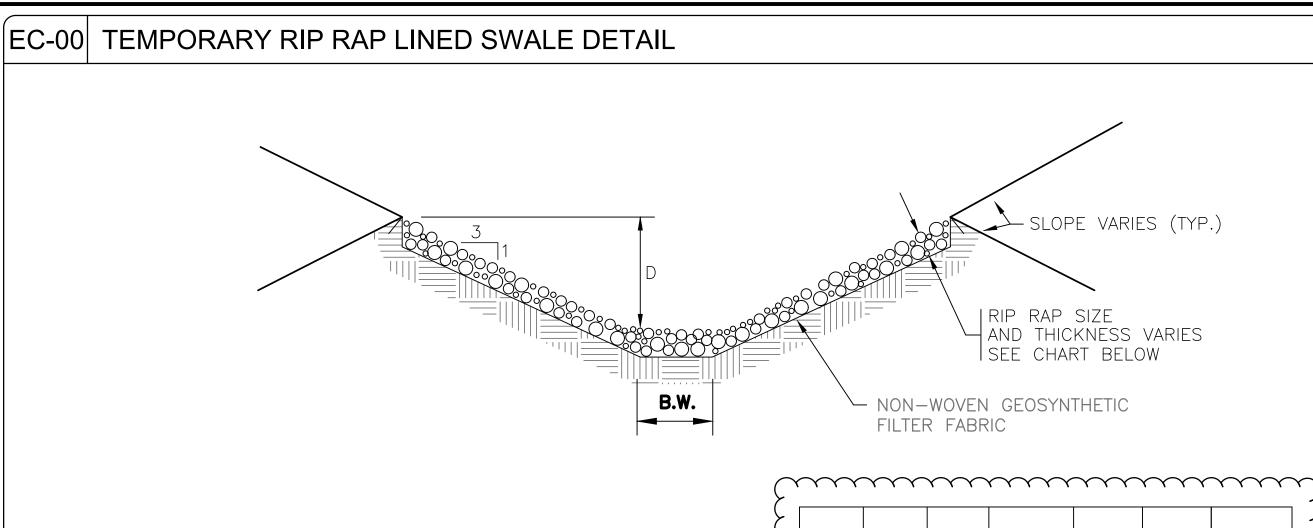
with the conditions • Within 7 calendar days, a report that contains a description of the of this permit that noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. [40 CFR 122.41(I)(6).

• Division staff may waive the requirement for a written report on a

N.T.S.

EFFECTIVE: 04/01/19

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING



1. RIP RAP SIZE IS PER NCDOT STANDARD SPECIFICATON SECTION 1042. 2. CLASS A RIP RAP SHALL BE 9" THICK 3. CLASS B RIP RAP SHALL BE 23" THICK

4. CLASS 1 RIP RAP SHALL BE 24" THICK

5. CLASS 2 RIP RAP SHALL BE 27" THICK

RIP RAP SLOPE SWALE STA D (FT) 3.4% TRAPEZOIDAL 0.6 1.00 2 6+90 2.9% TRAPEZOIDAL 1.0 2.00 6 46+50 1.2% TRAPEZOIDAL 2.1 8.00 7 50+15 1.5% TRAPEZOIDAL 2.1 2.00 8 56+25 1.7% TRAPEZOIDAL 2.0 7.00 Α 1.6% TRAPEZOIDAL 2.0 5.00

US HIGHWAY 29 WATER BOOSTER PUMP STATION

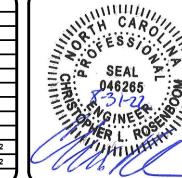
> **EROSION CONTROL DETAILS E&SC DETAIL 1**

PROJ. START DATE: DEC. 2021 DESIGNED HECKED CLR PROJ MGR

IORIZONTAL: VERTICAL:

FINAL DESIGN **REVISED PER ADDENDUM 1**

DESCRIPTION B FINAL DESIGN - REVISED PER ADDENDUM 1 A FINAL DESIGN - ISSUED FOR BID REVISIONS





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