

# HARNETT COUNTY SOLID WASTE DEPARTMENT

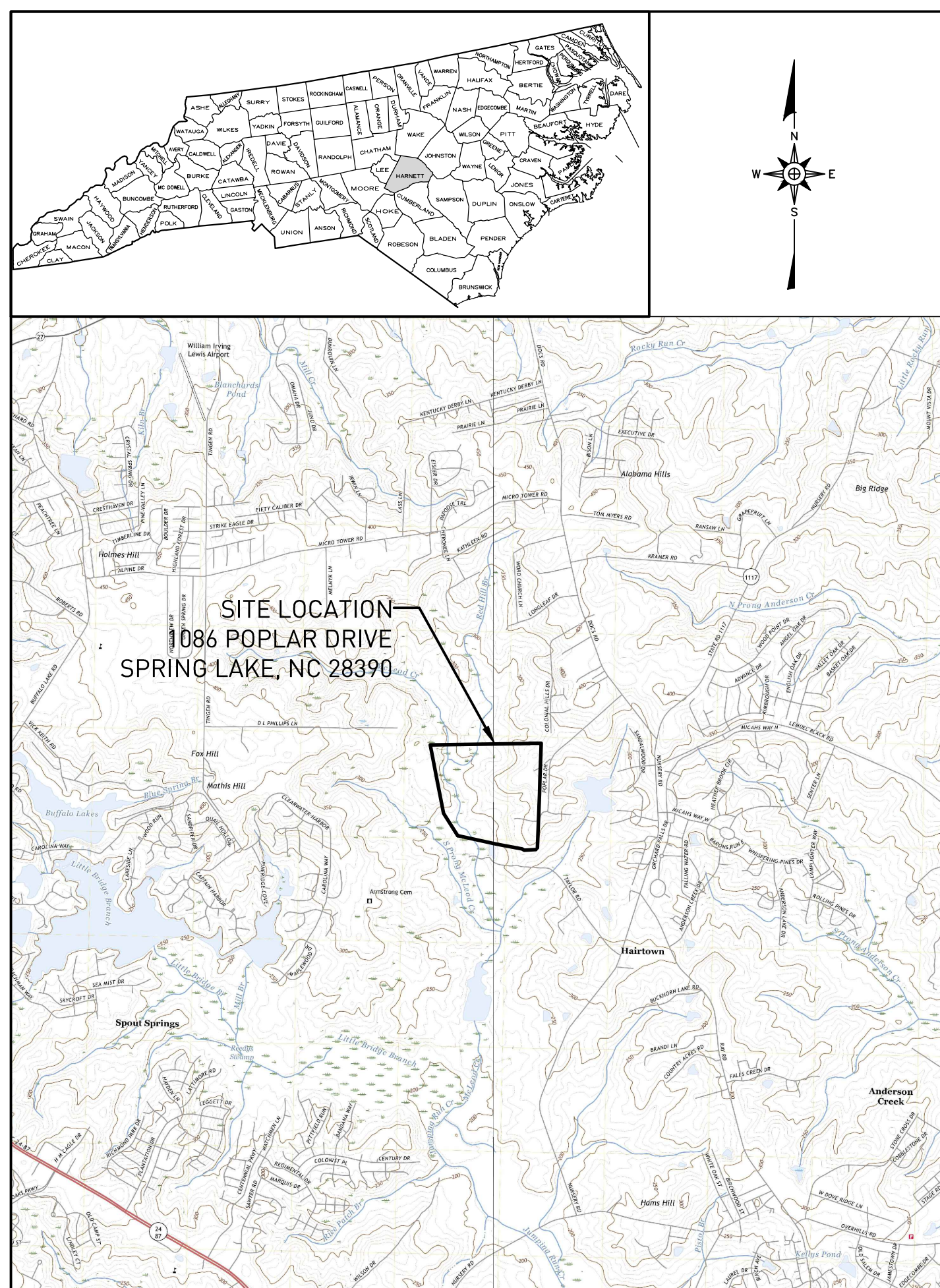
## LILLINGTON, NORTH CAROLINA

# ANDERSON CREEK LANDFILL FACILITY

## C&D LANDFILL EXPANSION

### CONSTRUCTION DRAWINGS

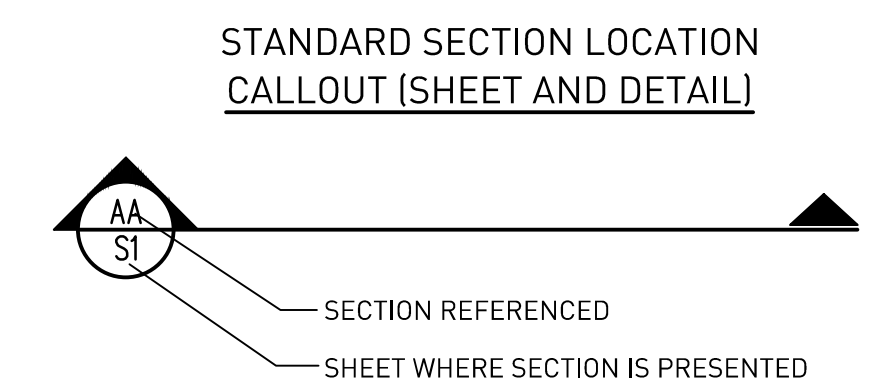
**JULY 2025**



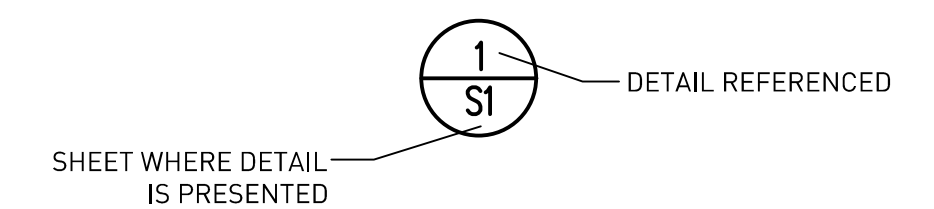
**SITE LOCATION MAP**  
NOT TO SCALE

RIVER BASIN: CAPE FEAR

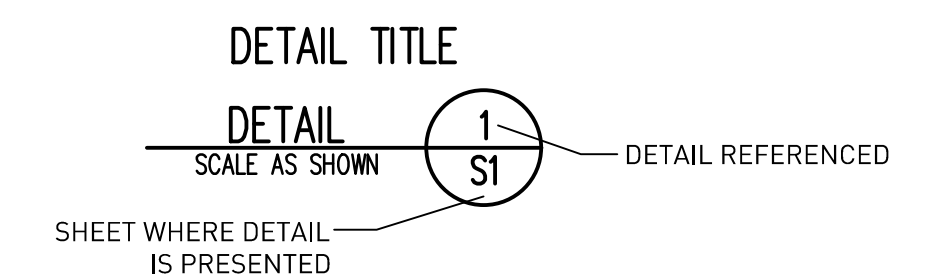
SHEET NO.	DRAWING NO.	DRAWING TITLE	REVISION NO.
1	--	TITLE - COVER SHEET	
2	S1	EXISTING CONDITIONS	
3	S2	C&DLF EXPANSION SUBGRADE GRADING AND DRAINAGE PLAN	
4	EC1	EROSION AND SEDIMENTATION CONTROL DETAILS (SHEET 1 OF 2)	
5	EC2	EROSION AND SEDIMENTATION CONTROL DETAILS (SHEET 2 OF 2)	
6	NCG01	GROUND STABILIZATION AND MATERIALS HANDLING (NCDEQ)	
7	NCG02	SELF-INSPECTION, RECORDKEEPING, AND REPORTING (NCDEQ)	



### STANDARD DETAIL CALLOUT



### STANDARD DETAIL LABEL AND CALLOUT



STANDARD REVISION  
CALLOUT (SHEET AND DETAIL)



#### SAFETY NOTE:

Contractor shall be solely responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the Work. Contractor shall comply with all applicable Laws and Regulations relating to the safety of persons or property, or to the protection of persons or property from damage, injury, or loss; and shall erect and maintain all necessary safeguards for such safety and protection.

G:\CADD\Harnett County\Harnett-AC 20-1\sheets\HARNETT-D0242.dwg - 7/31/2025 11:24 AM

NC LIC. NO. F-1370 (ENGINEERING)  
SC COA NO. C01488

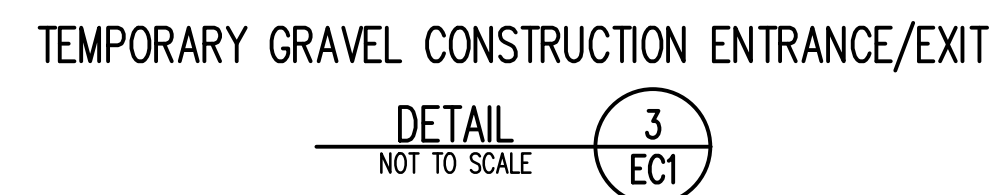
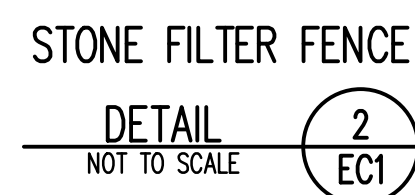
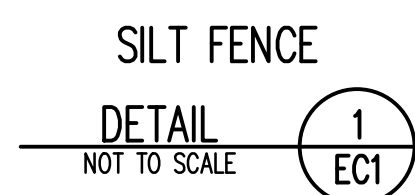
**SMITH+GARDNER**

14 N. Boylan Avenue, Raleigh NC 27603 | 919.828.0577  
1526 Richalnd St., Columbia SC 29201

**FOR BIDDING**  
**NOT FOR CONSTRUCTION**







FILTER BERM



DRAINAGE CHANNEL



DRAINAGE CHANNEL	LINING	B (FEET)	D (FEET)	M (FEET)
DC-12A	ECB**	6.0	2.0 (MIN.)	3
DC-12B	TRM*	6.0	2.0 (MIN.)	3
DC-12C	TRM*	6.0	2.0 (MIN.)	3
DC-A	TRM*	3.0	2.0 (MIN.)	3
DC-B	TRM*	3.0	2.0 (MIN.)	3

\*TRM = TURF REINFORCEMENT MATTING  
 \*\*ECB = EROSION CONTROL BLANKET

\*TRM = TURF REINFORCEMENT MATTING  
\*\*ECB = EROSION CONTROL BLANKET

\*\*ECB = EROSION CONTROL BLANKET

**FOR BIDDING**  
**NOT FOR CONSTRUCTION**

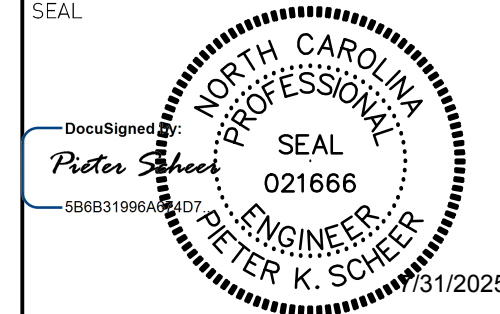
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NC LIC. NO. F-1370  
SC COA NO. C01488

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SEAL

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PROJECT TITLE:

**ANDERSON CREEK LANDFILL  
FACILITY C&D LANDFILL  
EXPANSION  
CONSTRUCTION DRAWINGS**

DRAWING TITLE:

**EROSION AND SEDIMENTATION  
CONTROL DETAILS  
(SHEET 1 OF 2)**

DESIGNE

0:	PROJECT NO:
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DRAWN:

LDC	SCALE:
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APPROVE

DATE:	JULY 2025
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FILENAM

LIADNETT D0245

SHEET N

NUMBER:	DRAWING NUMBER:
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4

## EC1

SEEDING SCHEDULE		
MATERIAL	SEED TYPE	APPLICATION RATE (SEE NOTE 1)
LIME	—	4,000 LBS/ACRE
FERTILIZER (10–20–10)	—	1,000 LBS/ACRE
SEED		
PERMANENT	COMMON BERMUDA PENSAZOLA BAHIAGRASS KOBE LESPEDEZA SEASONAL NURSE CROP	30 LBS/ACRE (SEE NOTE 3) 50 LBS/ACRE 80 LBS/ACRE (SEE NOTE 4) SEE NOTE 2
TEMPORARY	SEASONAL NURSE CROP	SEE NOTE 2
MULCH	—	4,000–5,000 LBS/ACRE
BINDER	—	400 GALLONS/ACRE

- NOTES:
- APPLICATION RATES AND/OR CHEMICAL ANALYSIS SHALL BE CONFIRMED OR ESTABLISHED BY A SOIL TEST.
  - USE SEASONAL NURSE CROP IN ACCORDANCE WITH SEEDING DATES AS STATED BELOW:  
APRIL 15 – AUGUST 15 10 LBS/ACRE GERMAN MILLET OR 15 LBS/ACRE SUDANGRASS  
AUGUST 16 – APRIL 14 40 LBS/ACRE RYE (GRAIN)
  - HALF HULLED AND HALF UN-HULLED.
  - PLACE KOBE LESPEDEZA ON SLOPES STEEPER THAN OR EQUAL TO 4H:1V.

SPECIFICATIONS:

1. GENERAL:

THE CONTRACTOR SHALL ESTABLISH A SMOOTH, HEALTHY, UNIFORM, CLOSE STAND OF GRASS FROM THE SPECIFIED SEED. PRIOR TO REVEGETATION, THE CONTRACTOR SHALL ADEQUATELY TEST THE SOILS TO BE REVEGETATED TO ENSURE THE ADEQUACY OF THE SPECIFIED REQUIREMENTS. ANY MODIFICATIONS TO THESE REQUIREMENTS DEEMED NECESSARY AFTER THE REVIEW OF SOIL TEST RESULTS, SHALL BE AT THE CONTRACTOR'S SOLE EXPENSE. THE ENGINEER WILL PERFORM THE OBSERVATIONS TO DETERMINE WHEN SUCCESSFUL REVEGETATION IS ACHIEVED.

2. SOIL PREPARATION:

- LIMIT PREPARATION TO AREAS WHICH WILL BE PLANTED SOON AFTER PREPARATION.
- LOOSEN SURFACE TO MINIMUM DEPTH OF FOUR (4) INCHES.
- REMOVE STONES, STICKS, ROOTS, RUBBISH AND OTHER EXTRANEOUS MATTER OVER THREE (3) INCHES IN ANY DIMENSION.
- SPREAD LIME UNIFORMLY OVER DESIGNATED AREAS AT THE RATE SPECIFIED IN THE SEEDING SCHEDULE.
- AFTER APPLICATION OF LIME, PRIOR TO APPLYING FERTILIZER, LOOSEN AREAS TO BE SEEDED WITH DOUBLE DISC OR OTHER SUITABLE DEVICE IF SOIL HAS BECOME HARD OR COMPACTED. CORRECT ANY SURFACE IRREGULARITIES IN ORDER TO PREVENT POCKET OR LOW AREAS WHICH WILL ALLOW WATER TO STAND.
- DISTRIBUTE FERTILIZER UNIFORMLY OVER AREAS TO BE SEEDD AT THE RATE SPECIFIED IN THE SEEDING SCHEDULE.
  - USE SUITABLE DISTRIBUTOR.
  - INCORPORATE FERTILIZER INTO SOIL TO DEPTH OF A LEAST TWO (2) INCHES.
  - REMOVE STONES OR OTHER SUBSTANCES WHICH WILL INTERFERE WITH TURF DEVELOPMENT OR SUBSEQUENT MOWING.
- GRADE SEEDD AREAS TO SMOOTH, EVEN SURFACE WITH LOOSE, UNIFORMLY FINE TEXTURE.
  - ROLL AND RAKE, REMOVE RIDGES AND FILL DEPRESSIONS, AS REQUIRED TO MEET FINISH GRADES.
  - FINE GRADE JUST PRIOR TO PLANTING.

3. SEEDING:

- USE APPROVED MECHANICAL POWER DRIVEN DRILLS OR SEEDERS, MECHANICAL HAND SEEDERS, OR OTHER APPROVED EQUIPMENT.
- DISTRIBUTE SEED EVENLY OVER ENTIRE AREA AT THE RATE SPECIFIED IN THE SEEDING SCHEDULE.
- STOP WORK WHEN WORK EXTENDS BEYOND MOST FAVORABLE PLANTING SEASON FOR SPECIES DESIGNATED, OR WHEN SATISFACTORY RESULTS CANNOT BE OBTAINED BECAUSE OF DROUGHT, HIGH WINDS, EXCESSIVE MOISTURE, OR OTHER FACTORS.
- RESUME WORK ONLY WHEN FAVORABLE CONDITION DEVELOPS, OR AS DIRECTED BY THE ENGINEER.
- LIGHTLY RAKE SEED INTO SOIL FOLLOWED BY LIGHT ROLLING OR CULTIPACKING.
- IMMEDIATELY PROTECT SEEDD AREAS AGAINST EROSION BY MULCHING OR PLACING ROLLED EROSION CONTROL PRODUCTS, WHERE APPLICABLE.
  - SPREAD MULCH IN A CONTINUOUS BLANKET AT THE RATE SPECIFIED IN THE SEEDING SCHEDULE.
  - IMMEDIATELY FOLLOWING SPREADING MULCH, SECURE WITH EVENLY DISTRIBUTED BINDER AT THE RATE SPECIFIED IN THE SEEDING SCHEDULE.
  - FOR SLOPES NOT STEEPER THAN 3H:1V AND AS AN OPTION TO USING BINDER TO SECURE MULCH, USE A MULCH ANCHORING TOOL OPERATED ALONG THE CONTOUR OF THE SLOPE.

4. MAINTENANCE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SEEDD AREAS THROUGH THE END OF HIS WARRANTY PERIOD. THE CONTRACTOR SHALL PROVIDE, AT HIS EXPENSE, PROTECTION OF ALL SEEDD AREAS AGAINST DAMAGE AT ALL TIMES UNTIL ACCEPTANCE OF THE WORK. MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING ITEMS:

- REGRADE AND REVEGETATE ALL ERODED AREAS UNTIL ADEQUATELY STABILIZED BY GRASS.
- REMULCH WITH NEW MULCH IN AREAS WHERE MULCH HAS BEEN DISTURBED BY WIND OR MAINTENANCE OPERATIONS SUFFICIENTLY TO NULLIFY ITS PURPOSE. ANCHOR AS REQUIRED TO PREVENT DISPLACEMENT.
- REPLANT BARE AREAS USING SAME MATERIALS SPECIFIED.

MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL FEATURES

ROLLED EROSION CONTROL PRODUCTS

- INSPECT ROLLED EROSION CONTROL PRODUCTS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1.0 INCH OR GREATER) RAIN FALL EVENT REPAIR IMMEDIATELY.
- GOOD CONTACT WITH THE GROUND MUST BE MAINTAINED, AND EROSION MUST NOT OCCUR BENEATH THE RECP.
- ANY AREAS OF THE RECP THAT ARE DAMAGED OR NOT IN CLOSE CONTACT WITH THE GROUND SHALL BE REPAIRED AND STAPLED.
- IF EROSION OCCURS DUE TO POORLY CONTROLLED DRAINAGE, THE PROBLEM SHALL BE FIXED AND THE ERODED AREA PROTECTED.
- MONITOR AND REPAIR THE RECP AS NECESSARY UNTIL GROUND COVER IS ESTABLISHED.

SILT FENCE

- INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
- SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.
- 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.
- 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.

FILTER BERM (ROCK PIPE INLET PROTECTION)

- INSPECT ROCK PIPE INLET PROTECTION AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1.0 INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE SEDIMENT STORAGE AREA TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. PLACE THE SEDIMENT THAT IS REMOVED IN THE DESIGNATED DISPOSAL AREA AND REPLACE THE CONTAMINATED PART OF THE GRAVEL FACING. CHECK THE STRUCTURE FOR DAMAGE, ANY RIPRAP DISPLACED FROM THE STONE HORSESHOE MUST BE REPLACED IMMEDIATELY.
- AFTER ALL THE SEDIMENT-PRODUCING AREAS HAVE BEEN PERMANENTLY STABILIZED, REMOVE THE STRUCTURE AND ALL THE UNSTABLE SEDIMENT. SMOOTH THE AREA TO BLEND WITH THE ADJOINING AREAS AND PROVIDE PERMANENT GROUND COVER (SURFACE STABILIZATION).

RIP RAP OUTLET PROTECTION

- IN GENERAL, ONCE A RIPRAP INSTALLATION HAS BEEN PROPERLY DESIGNED AND INSTALLED IT REQUIRES VERY LITTLE MAINTENANCE. RIPRAP SHOULD BE INSPECTED PERIODICALLY FOR SCOUR OR DISLOGED STONES. CONTROL OF WEED AND BRUSH GROWTH MAY BE NEEDED IN SOME LOCATIONS.

TEMPORARY CONSTRUCTION ENTRANCE/EXIT

- MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOPDRESSING WITH 2-INCH STONE. AFTER EACH RAINFALL, INSPECT ANY STRUCTURE USED TO TRAP SEDIMENT AND CLEAN IT OUT AS NECESSARY. IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TRACKED ONTO PUBLIC ROADWAYS.

STONE FILTER FENCE

- INSPECT STONE FILTER FENCE AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
- SHOULD THE MESH HARDWARE CLOTH, POST, OR STONE OF A STONE FILTER FENCE COLLAPSE, TEAR, MOVE, REPLACE IT PROMPTLY.
- REMOVE SEDIMENT DEPOSITS WHEN HALF OF THE STONE OUTLET IS COVERED TO ENSURE DEWATERING DURING THE NEXT RAIN EVENT. TAKE CARE TO AVOID UNDERMINING THE STONE FILTER FENCE DURING CLEANOUT.
- REPLACE STONE AS NEEDED TO ENSURE DEWATERING. THE STONE HEIGHT MUST BE AT LEAST 12 INCHES HIGH AND THERE MUST BE AT LEAST 12 INCHES OF SEPARATION BETWEEN THE TOP OF THE MESH HARDWARE CLOTH AND THE TOP OF THE STONE.
- REMOVE ALL STONE FILTER FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

SEDIMENT BASINS

- INSPECT SEDIMENT BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1.0 INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO ONE-HALF THE HEIGHT OF THE FIRST BAFFLE. PULL THE SKIMMER TO ONE SIDE SO THAT THE SEDIMENT UNDERNEATH IT CAN BE EXCAVATED. EXCAVATE THE SEDIMENT FROM THE ENTIRE BASIN, NOT JUST AROUND THE SKIMMER OR FIRST CELL. MAKE SURE VEGETATION GROWING IN THE BOTTOM OF THE BASIN DOES NOT HOLD DOWN THE SKIMMER.
- REPAIR THE BAFFLES IF THEY ARE DAMAGED. RE-ANCHOR THE BAFFLES IF WATER IS FLOWING UNDERNEATH OR AROUND THEM.
- IF THE SKIMMER IS CLOGGED WITH TRASH AND THERE IS WATER IN THE BASIN, USUALLY PULLING ON THE ROPE WILL MAKE THE SKIMMER BOB UP AND DOWN AND DISLODGE THE DEBRIS AND RESTORE FLOW. IF THIS DOES NOT WORK, PULL THE SKIMMER TO THE SIDE OF THE BASIN AND REMOVE THE DEBRIS. ALSO CHECK THE ORIFICE INSIDE THE SKIMMER TO SEE IF IT IS CLOGGED; IF SO REMOVE DEBRIS.
- IF THE SKIMMER ARM OR BARREL PIPE IS CLOGGED, THE ORIFICE CAN BE REMOVED AND THE OBSTRUCTION CLEARED WITH A PLUMBER'S SNAKE OR BY FLUSHING WITH WATER. BE SURE TO REPLACE THE ORIFICE BEFORE REPOSITIONING THE SKIMMER.
- CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE, AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE SKIMMER AND POOL AREAS.
- FREEZING WEATHER CAN RESULT IN ICE FORMING IN THE BASIN. SOME SPECIAL PRECAUTIONS SHOULD BE TAKEN IN THE WINTER TO PREVENT THE SKIMMER FROM PLUGGING WITH ICE.

CHANNELS, DIVERSION BERMS, SWALES, ETC.

- INSPECT CHANNELS, DIVERSION BERMS, SWALES, ETC. AT REGULAR INTERVALS AS WELL AS AFTER MAJOR RAINS, AND MAKE REPAIRS PROMPTLY. CHECK GRASS AND RECP LINED CHANNELS AFTER EVERY RAINFALL UNTIL THE ESTABLISHMENT OF A GOOD STAND OF VEGETATION.
- GIVE SPECIAL ATTENTION TO THE OUTLET AND INLET SECTIONS AND OTHER POINTS WHERE CONCENTRATED FLOW ENTERS. CAREFULLY CHECK STABILITY AT ROAD CROSSINGS AND LOOK FOR INDICATIONS OF PIPING, SCOUR HOLES, OR BANK FAILURES.
- MAKE REPAIRS IMMEDIATELY AND REMOVE ALL SIGNIFICANT SEDIMENT ACCUMULATIONS TO MAINTAIN THE DESIGNED CARRYING CAPACITY.
- MAINTAIN ALL VEGETATION IN (AS APPLICABLE) AND ADJACENT TO THE CHANNEL IN A HEALTHY, VIGOROUS CONDITION.

CULVERTS, DOWN PIPES, ETC.

- INSPECT CULVERTS AND DOWN PIPES AFTER EACH RAINFALL UNTIL ALL AREAS ADJOINING THE CULVERT OR DOWN PIPE ARE PERMANENTLY STABILIZED.
- REPAIR ALL DAMAGE NOTED IN INSPECTIONS IMMEDIATELY.
- AFTER THE SLOPES ARE STABILIZED, PERFORM PERIODIC INSPECTION INCLUDING INSPECTION AFTER MAJOR STORM EVENTS.

ROCK DAMS

- CHECK ROCK DAMS AFTER EACH RAINFALL.
- REMOVE SEDIMENT AND RESTORE ORIGINAL VOLUME WHEN SEDIMENT ACCUMULATES TO ABOUT ONE-HALF THE DESIGN VOLUME. SEDIMENT SHOULD BE PLACED ABOVE THE BASIN AND ADEQUATELY STABILIZED.
- CHECK THE STRUCTURE FOR EROSION, PIPING, AND ROCK DISPLACEMENT WEEKLY AND AFTER EACH SIGNIFICANT (1.0 INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY.
- REMOVE THE STRUCTURE AND ANY UNSTABLE SEDIMENT IMMEDIATELY AFTER THE CONSTRUCTION SITE HAS BEEN PERMANENTLY STABILIZED. SMOOTH THE BASIN SITE TO BLEND WITH THE SURROUNDING AREA AND STABILIZE. ALL WATER AND SEDIMENT SHOULD BE REMOVED FROM THE BASIN PRIOR TO DAM REMOVAL. SEDIMENT SHOULD BE PLACED IN DESIGNATED DISPOSAL AREAS AND NOT ALLOWED TO FLOW INTO STREAMS OR DRAINAGE WAYS DURING STRUCTURE REMOVAL.

LEVEL SPREADERS

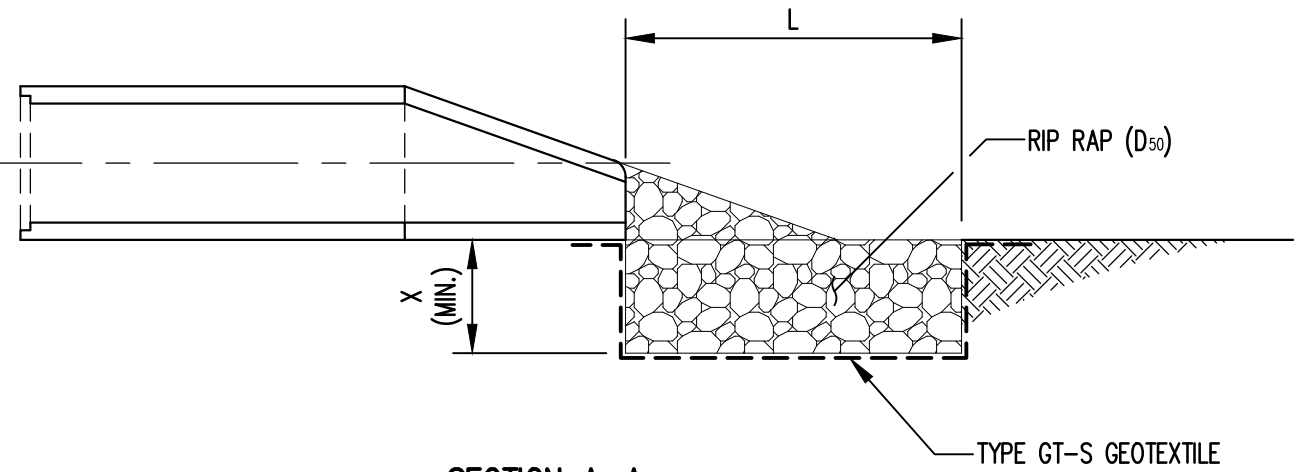
- INSPECT LEVEL SPREADERS AFTER EVERY RAINFALL UNTIL VEGETATION IS ESTABLISHED AND PROMPTLY MAKE NEEDED REPAIRS.
- AFTER THE AREA HAS BEEN STABILIZED, MAKE PERIODIC INSPECTIONS AND KEEP VEGETATION IN A HEALTHY, VIGOROUS CONDITION.

TEMPORARY INLET PROTECTION

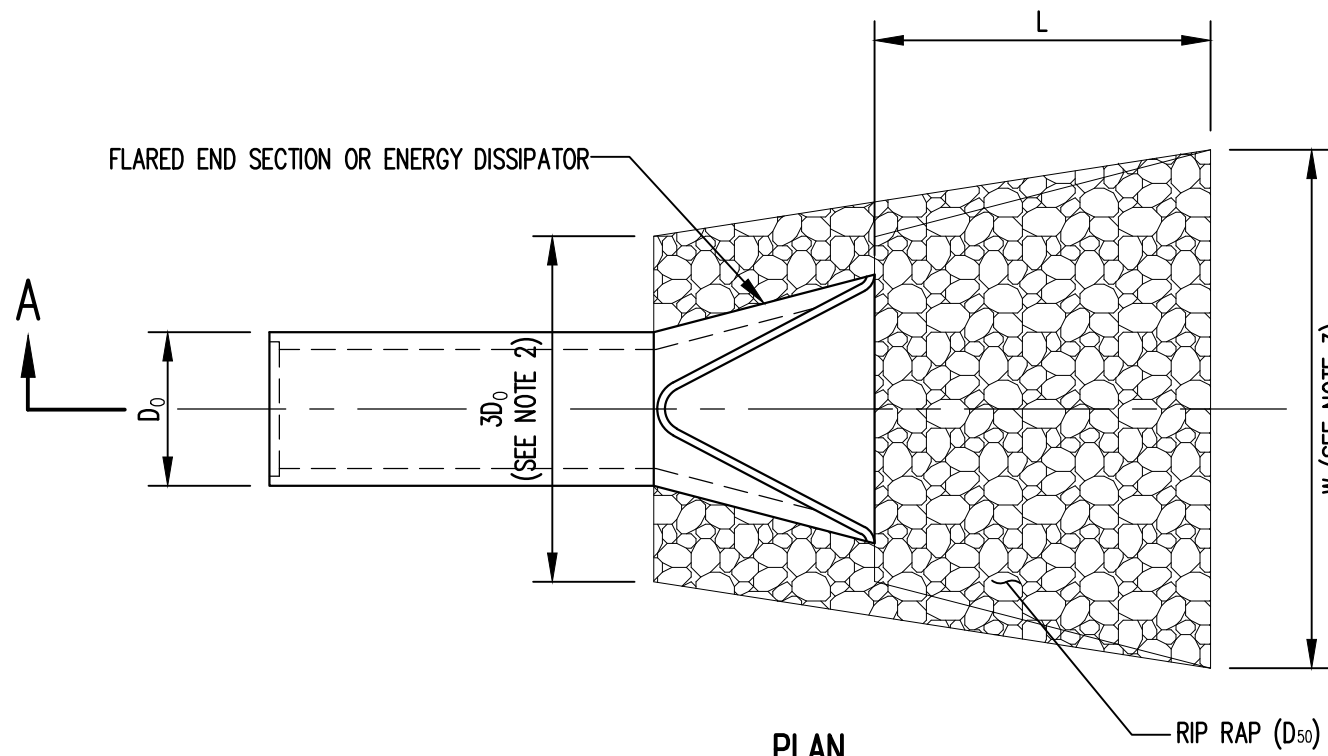
- INSPECT PIPE AND DROP INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1.0 INCH OR GREATER) RAINFALL EVENT.
- CLEAR INLET PROTECTION MEASURES OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS.
- REPAIR DAMAGED INLET PROTECTION MATERIALS AND REPLACE STONE AS NEEDED.

SKIMMER BASINS:

- INSPECT SKIMMER BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1.0 INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO ONE-HALF THE HEIGHT OF THE FIRST BAFFLE. PULL THE SKIMMER TO ONE SIDE SO THAT THE SEDIMENT UNDERNEATH IT CAN BE EXCAVATED. EXCAVATE THE SEDIMENT FROM THE ENTIRE BASIN, NOT JUST AROUND THE SKIMMER OR FIRST CELL. MAKE SURE VEGETATION GROWING IN THE BOTTOM OF THE BASIN DOES NOT HOLD DOWN THE SKIMMER.
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SECTION A-A



PLAN

- NOTES:
- D<sub>30</sub> REFERS TO THE MINIMUM REQUIRED AVERAGE STONE SIZE.
  - FOR MORE THAN ONE PIPE, EXTEND RIP RAP 1.0' MIN. BEYOND OUTSIDE EDGES OF PIPES.
  - FOR APRONS IN CHANNELS, EXTEND RIP RAP TO TOP OF CHANNEL.

RIP RAP OUTLET PROTECTION SCHEDULE				
OUTLET	L (FEET)	W (FEET)	D <sub>30</sub> (INCHES)	X (FEET)
DC-12C	10	CHANNEL WIDTH	9	1.5
C-A	10	CHANNEL WIDTH	9	1.5

NOTE:  
1. PLACE RIP RAP FULL WIDTH OF CHANNEL.

RIP RAP OUTLET PROTECTION

DETAIL  
NOT TO SCALE

3  
EC2

VEGETATIVE STABILIZATION

DETAIL  
NOT TO SCALE

1  
EC2

MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL FEATURES

DETAIL  
NOT TO SCALE

2  
EC2

FOR BIDDING  
NOT FOR CONSTRUCTION

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PREPARED FOR:

HARNETT COUNTY  
SOLID WASTE DEPARTMENT  
LILLINGTON  
NORTH CAROLINA

PREPARED BY:

NC LIC. NO. F-1370  
SC COA NO. 001688

SMITH+  
GARDNER  
ENGINEERS

14 N. Boylan Avenue, Raleigh NC 27603 | 919.828.0577  
1526 Richland St., Columbia SC 29201

SEAL

DocuSigned by  
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ENGINEER  
PETER K. SCHEIDT  
7/31/2025

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PROJECT TITLE:

ANDERSON CREEK LANDFILL  
FACILITY C&D LANDFILL  
EXPANSION  
CONSTRUCTION DRAWINGS

DRAWING TITLE:

EROSION AND SEDIMENTATION  
CONTROL DETAILS  
(SHEET 2 OF 2)

DESIGNED: P.K.S. PROJECT NO: HARNETT-AC-20-1

DRAWN: J.R.G. SCALE: AS SHOWN

APPROVED: JAL DATE: JULY 2025

FILENAME: HARNETT-D0245

SHEET NUMBER:

5

DRAWING NUMBER:

EC2

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.

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

## GROUND STABILIZATION SPECIFICATION

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>

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

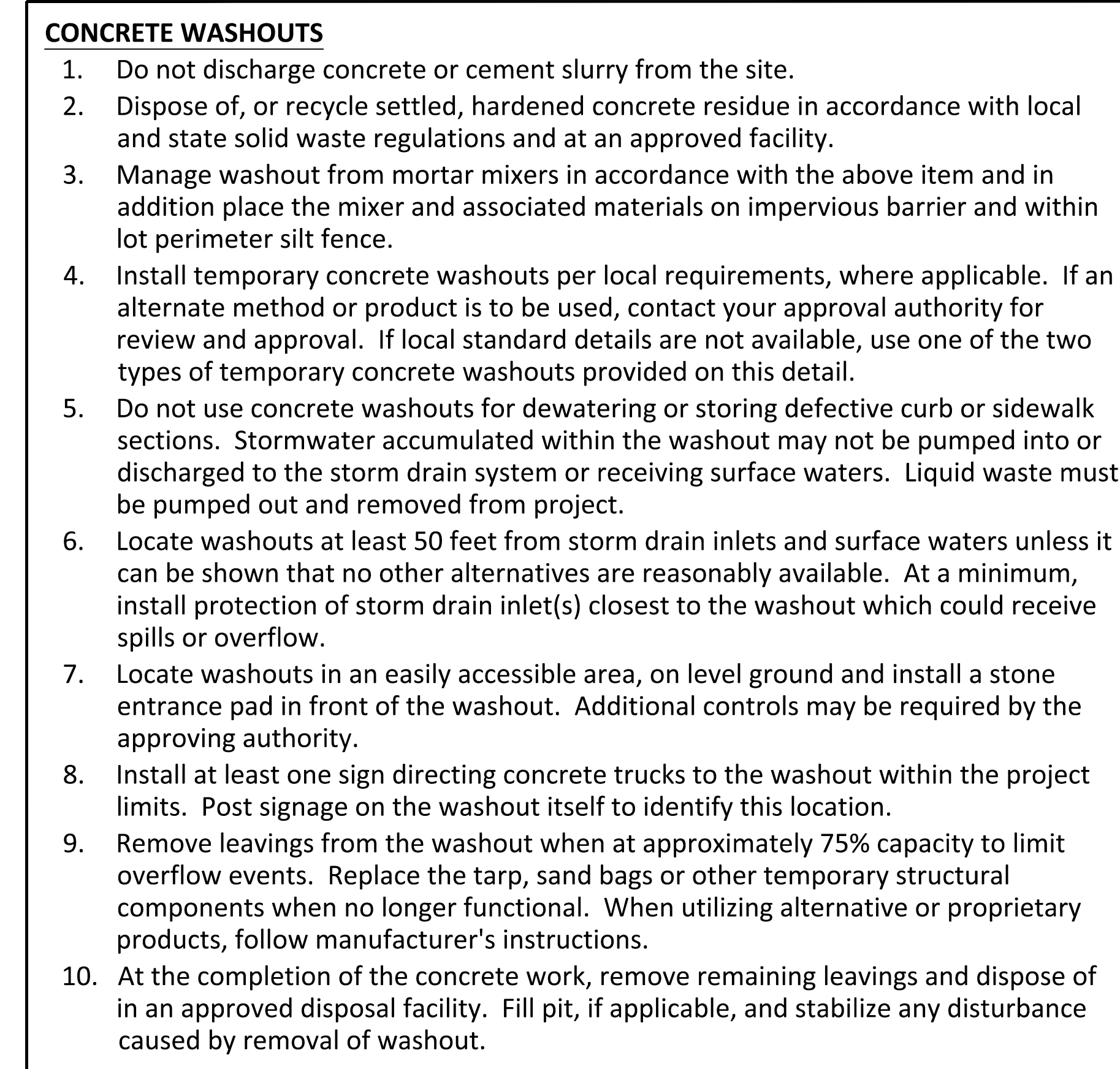
1. Maintain vehicles and equipment to prevent discharge of fluids.
2. Provide drip pans under any stored equipment.
3. Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
4. Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
5. 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 to a recycling or disposal center that handles these materials.

1. Never bury or burn waste. Place litter and debris in approved waste containers.
2. Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
3. Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
4. 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.
5. Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
6. Anchor all lightweight items in waste containers during times of high winds.
7. 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.

1. Do not dump paint and other liquid waste into storm drains, streams or wetlands.
2. Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
3. Contain liquid wastes in a controlled area.
4. 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 construction sites.

1. 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.
2. Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
3. 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.

1. 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.
2. Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
3. Provide stable stone access point when feasible.
4. 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.



1. Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
2. 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.
3. 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.
4. Do not stockpile these materials onsite.

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

**HARNETT COUNTY  
SOLID WASTE DEPARTMENT  
LILLINGTON  
NORTH CAROLINA**

NC LIC. NO. F-1370  
SC COA NO. C01488

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NORTH CAROLINA  
PROFESSIONAL  
SEAL  
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ENGINEER  
PIETER K. SCHEER  
11/2025

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**ANDERSON CREEK LANDFILL  
FACILITY C&D LANDFILL  
EXPANSION  
CONSTRUCTION DRAWINGS**

## GROUND STABILIZATION AND MATERIALS HANDLING (NCDEQ)

FILENAME:	
HARNETT-D0245	
SHEET NUMBER:	DRAWING NUMBER:

6	NCG01
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