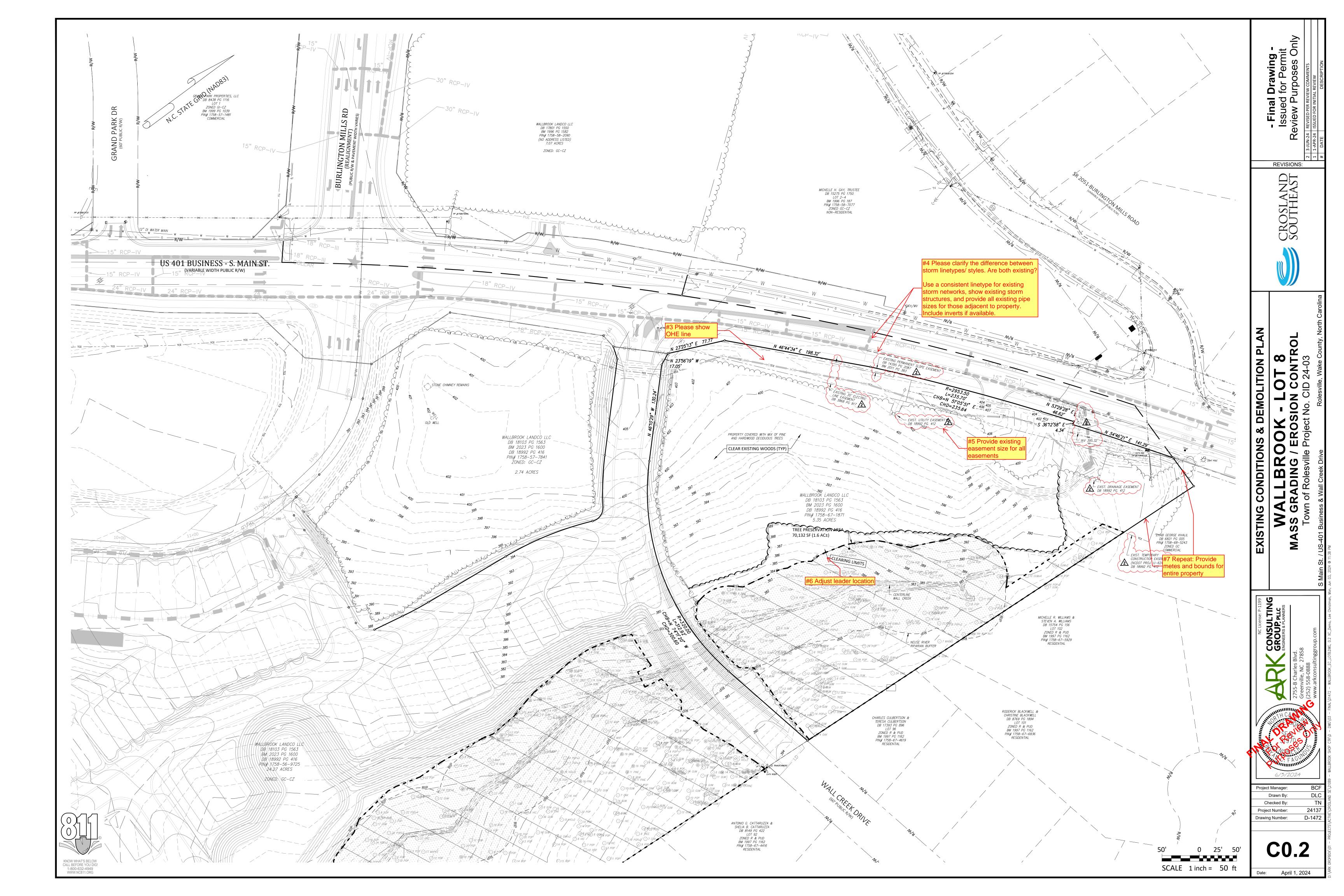


100'	0	50'	100'
		10	
SCALE	1 inch =	10	U ft

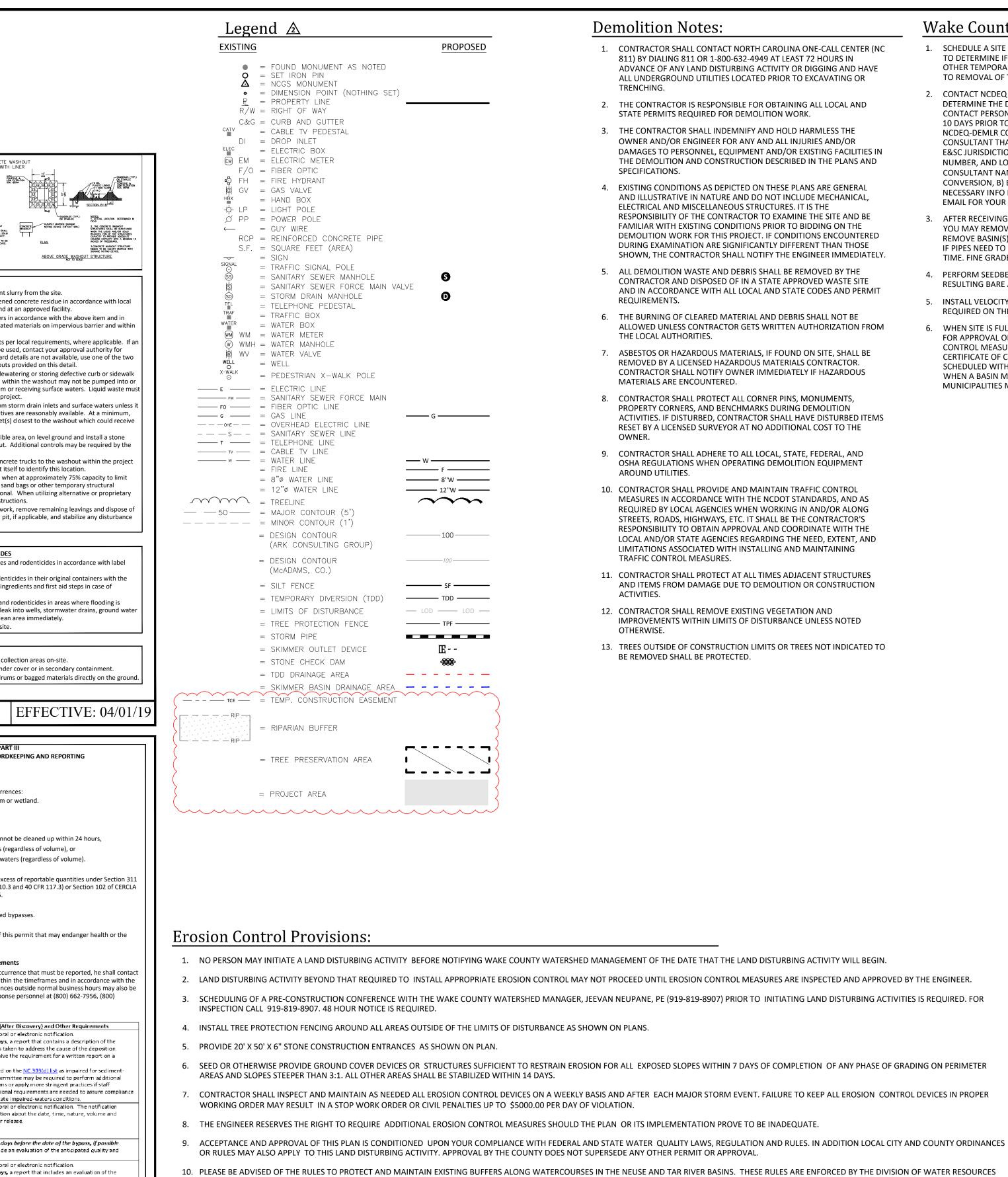
April 1, 2024

Date:

ENVIRONMENTAL CONSULTANT SIGNATURE



THE NCG01 CONSTRUCTION GENERAL Implementing the details and specifica activity being considered compliant w sections of the NCG01 Construction G permittee shall comply with the Erosic	IALS HANDLING PRACTICES FOR COMPLIANCE WI <u>PERMIT</u> tions on this plan sheet will result in the constructi th the Ground Stabilization and Materials Handling neral Permit (Sections E and F, respectively). The n and Sediment Control plan approved by the . All details and specifications shown on this sheet	 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 	ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER
may not apply depending on site cond	tions and the delegated authority having jurisdictions	on. hazardous waste (recycle when possible). 5. Remove leaking vehicles and construction equipment from service until the problem	CREATLY MARKED SHOWARE CONSTITUTION OF STALLS TO THE SHOWARE
ECTION E: GROUND STABILIZATION Required Gro	und Stabilization Timeframes	 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. 	2. Inter concertit assetuti program structures swall, program structures
Site Area Description Stabilize w days after	ndar Timeframe variations	LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE	Subject the Machine Service Se
(a) Perimeter dikes,		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	
swales, ditches, and 7 perimeter slopes	None	receptacle) on site to contain construction and domestic wastes. 3. Locate waste containers at least 50 feet away from storm drain inlets and surface	 Do not discharge concrete or cement slurry from the site. Dispose of, or recycle settled, hardened concrete residue in accordance with
(b) High Quality Water (HQW) Zones 7	None	 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. 	 and state solid waste regulations and at an approved facility. 3. Manage washout from mortar mixers in accordance with the above item and addition place the mixer and associated materials on impervious barrier and
(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	 Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers. 	lot perimeter silt fence. 4. Install temporary concrete washouts per local requirements, where applicat
(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 	 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. 	 alternate method or product is to be used, contact your approval authority is review and approval. If local standard details are not available, use one of the types of temporary concrete washouts provided on this detail. 5. Do not use concrete washouts for dewatering or storing defective curb or sine sections. Stormwater accumulated within the washout may not be pumped
	-10 days for Falls Lake Watershed -7 days for perimeter dikes, swales,	PAINT AND OTHER LIQUID WASTE	 discharged to the storm drain system or receiving surface waters. Liquid wa be pumped out and removed from project. 6. Locate washouts at least 50 feet from storm drain inlets and surface waters
•	there is zero slope f construction activities, any areas with temporary	 S 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. 	 can be shown that no other alternatives are reasonably available. At a minin install protection of storm drain inlet(s) closest to the washout which could r spills or overflow. 7. Locate washouts in an easily accessible area, on level ground and install a storm of the stor
practicable but in no case longer than activity. Temporary ground stabilization	to permanent ground stabilization as soon as 30 calendar days after the last land disturbing an shall be maintained in a manner to render the ion until permanent ground stabilization is achieve	 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. ed. PORTABLE TOILETS	 entrance pad in front of the washout. Additional controls may be required by approving authority. 8. Install at least one sign directing concrete trucks to the washout within the plimits. Post signage on the washout itself to identify this location.
echniques in the table below: Temporary Stabilization • Temporary grass seed covered with stra	Permanent Stabilization • Permanent grass seed covered with straw or	 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 	 Remove leavings from the washout when at approximately 75% capacity to loverflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or propriproducts, follow manufacturer's instructions. At the completion of the concrete work, remove remaining leavings and disg in an approved disposal facility. Fill pit, if applicable, and stabilize any disturt
other mulches and tackifiers • Hydroseeding • Rolled erosion control products with or without temporary grass seed • Appropriately applied straw or other mu	other mulches and tackifiers Geotextile fabrics such as permanent soil reinforcement matting Hydroseeding Khrubs or other permanent plantings covered	 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. 	caused by removal of washout. HERBICIDES, PESTICIDES AND RODENTICIDES
Plastic sheeting	 with mulch Uniform and evenly distributed ground cover sufficient to restrain erosion Structural methods such as concrete, asphalt or retaining walls 	and surface waters unless it can be shown no other alternatives are reasonably	 Store and apply herbicides, pesticides and rodenticides in accordance with la restrictions. Store herbicides, pesticides and rodenticides in their original containers with label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
POLYACRYLAMIDES (PAMS) AND FLO	Rolled erosion control products with grass seed CILLANTS	 available. Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile. 	 Do not store herbicides, pesticides and rodenticides in areas where flooding possible or where they may spill or leak into wells, stormwater drains, groun
1. Select flocculants that are appro	priate for the soils being exposed during NC DWR List of Approved PAMS/Flocculants.	 Provide stable stone access point when feasible. Stabilize stockpile within the timeframes provided on this sheet and in accordance 	or surface water. If a spill occurs, clean area immediately.4. Do not stockpile these materials onsite.
 Apply flocculants at or before the inlets to Erosion and Sediment Control Measures. Apply flocculants at the concentrations specified in the <i>NC DWR List of Approved</i> 		s. with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated	HAZARDOUS AND TOXIC WASTE
-	ance with the manufacturer's instructions. Iment of treated Stormwater before discharging	erosion on disturbed soils for temporary or permanent control needs.	 Create designated hazardous waste collection areas on-site. Place hazardous waste containers under cover or in secondary containment.
	ontainers that are kept under storm-resistant cove tainment structures.	ır	3. Do not store hazardous chemicals, drums or bagged materials directly on the
	NCG01 GROUND	 STABILIZATION AND MATERIALS H	HANDLING EFFECTIVE: 04
SELF-INSPECTION, R	PART III ECORDKEEPING AND REPORTING	PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING	PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING
ECTION A: SELF-INSPECTION		SECTION B: RECORDKEEPING	SECTION C: REPORTING 1. Occurrences that must be reported
elow. When adverse weather or site	rmal business hours in accordance with the table conditions would cause the safety of the inspectior tion may be delayed until the next business day or	The approved E&SC plan as well as any approved deviation shall be kept on the site. The	Permittees shall report the following occurrences: (a) Visible sediment deposition in a stream or wetland.
reater than 1.0 inch occurs outside of	on. In addition, when a storm event of equal to or	approved E&SC plan must be kept up-to-date throughout the coverage under this permit.	(.,
erformed upon the commencement of vere delayed shall be noted in the Insp	normal business hours, the self-inspection shall be		(b) Oil spills if:
	normal business hours, the self-inspection shall be f the next business day. Any time when inspectior	described:	 (b) Oil spills if: They are 25 gallons or more, They are less than 25 gallons but cannot be cleaned up within 24 hours,
	normal business hours, the self-inspection shall be f the next business day. Any time when inspectior	described: Item to Document Documentation Requirements (a) Each E&SC Measure has been installed Initial and date each E&SC Measure on a copy	 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
Inspect (during normal business hours) Insp losiness business b	normal business hours, the self-inspection shall be f the next business day. Any time when inspection ection Record. ttion records must include: rainfall amounts. daily rain gauge observations are made during weekend or ay periods, and no individual-day rainfall information is tole, record the cumulative rain measurement for those un- ded days (and this will determine if a site inspection is	Item to Document Documentation Requirements (a) Each E&SC Measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&SC Plan. Initial and date each E&SC Measure on a copy of the approved E&SC Plan or complete, date and sign an inspection report that lists each E&SC Measure shown on the approved E&SC Plan. Base Shown on the approved E&SC Plan. E&SC Measure shown on the approved E&SC Plan. Base Shown on the approved E&SC Plan. E&SC Measure shown on the approved E&SC Plan. Base Shown on the approved E&SC Plan. E&SC Measure shown on the approved E&SC Plan.	They are 25 gallons or more,They are less than 25 gallons but cannot be cleaned up within 24 hours,
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Inspect (during normal business hours) Insp (1) Rain gauge maintained in good working order Daily Daily (1) Rain gauge maintained in good working order Daily Daily Hours area (2) E&SC At least once per and within 24 1. Ic and within 24 1. Ic and within 24 (3) Stormwater At least once per discharge 7 calendar days and within 24 1. Ic and within 24 (3) Stormwater At least once per discharge 7 calendar days and within 24 1. Ic bours of a rain at writhin 24 (4) Perimeter of site At least once per discharge 1. Ic bours of a rain and within 24 1. N bours of a rain and within 24 1. A bours of a rain and within 24 (4) Perimeter of site At least once per discharge Hours and within 24 1. A bours of a rain and within 24 1. 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Inspect (during normal business hours) Inspect (1) Rain gauge maintain ed in good working order Daily Daily (2) E&SC At least once per and within 24 At least once per and within 24 1. It per to business (2) E&SC At least once per and within 24 1. It per to business (3) Stormwater discharge At least once per to utfalls (SDOs) 1. It per to the per to utfalls (SDOs) (4) Perimeter of site At least once per to utfalls (SDOs) 1. It per to the per to utfall (SDOs) 1. It per to the per to utfall (SDOs) (4) Perimeter of site At least once per to utfall (SDOs) 1. At hours of a rain event ≥ 1.0 inch in 24 hours 1. At to use of a rain event ≥ 1.0 inch in 24 hours (5) Streams or wethends onsite or offsite At least once per to utfall 24 hours 1. At hours of a rain event ≥ 1.0 inch in 24 hours 2. D 2. D 2. D 2. D 2. D 2. D 2. D 2. D	normal business hours, the self-inspection shall be f the next business day. Any time when inspection ection Record.	described: Document Documentation Requirements (a) Each E&SC Measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&SC Plan. Initial and date each E&SC Measure on a copy of the approved E&SC Plan or complete, date and sign an inspection report that lists each E&SC Measure shown on the approved E&SC Plan. This documentation is required upon the initial installation. (b) A phase of grading has been completed. Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate completion of the construction phase. (c) Ground cover is located and installed in accordance with the approved E&SC Plan. Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate completion of the construction phase. (d) The maintenance and repair requirements for all E&SC Measures have been performed. Complete, date and sign an inspection report. (e) Corrective actions have been taken to E&SC Measures. Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate complaince with approved ground cover specifications. (d) The maintenance and repair requirements for all E&SC Measures have been performed. Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate complained with approved ground cover specifications. (a) Corrective actions have been taken to E&SC Measures. Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to i	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 Sector of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of (Ref: 40 CFR 302.4) or G.S. 143-215.85. Sector 20.4) or G.S. 143-215.85. S



AROUND UTILITIES.

MEASURES IN ACCORDANCE WITH THE NCDOT STANDARDS, AND AS REQUIRED BY LOCAL AGENCIES WHEN WORKING IN AND/OR ALONG STREETS, ROADS, HIGHWAYS, ETC. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL AND COORDINATE WITH THE LOCAL AND/OR STATE AGENCIES REGARDING THE NEED, EXTENT, AND LIMITATIONS ASSOCIATED WITH INSTALLING AND MAINTAINING TRAFFIC CONTROL MEASURES.

Demolition Notes:

TRENCHING.

SPECIFICATIONS.

REQUIREMENTS.

OWNFR.

THE LOCAL AUTHORITIES.

MATERIALS ARE ENCOUNTERED.

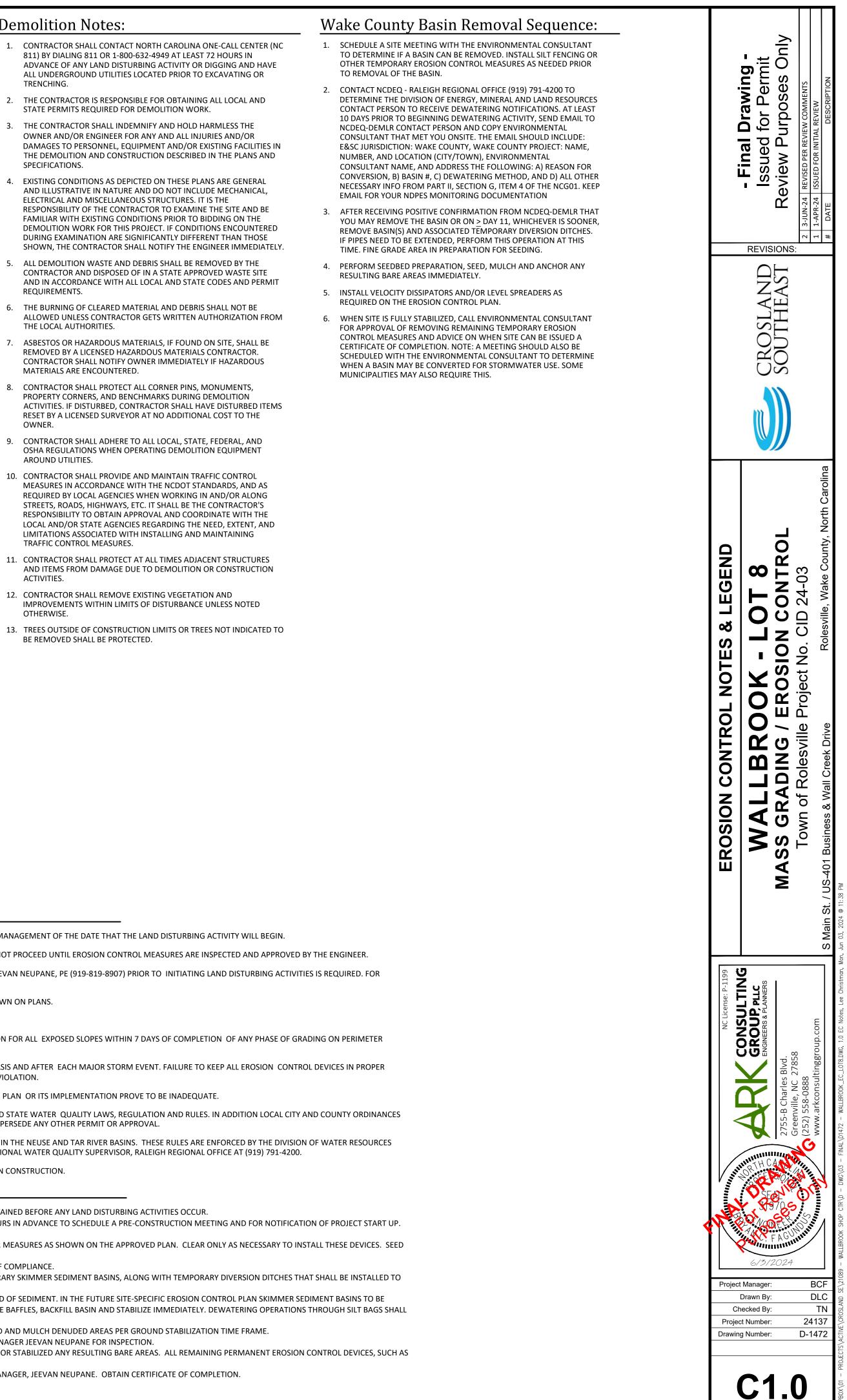
- 11. CONTRACTOR SHALL PROTECT AT ALL TIMES ADJACENT STRUCTURES AND ITEMS FROM DAMAGE DUE TO DEMOLITION OR CONSTRUCTION ACTIVITIES.
- 12. CONTRACTOR SHALL REMOVE EXISTING VEGETATION AND IMPROVEMENTS WITHIN LIMITS OF DISTURBANCE UNLESS NOTED OTHERWISE.
- 13. TREES OUTSIDE OF CONSTRUCTION LIMITS OR TREES NOT INDICATED TO BE REMOVED SHALL BE PROTECTED.

- 1. NO PERSON MAY INITIATE A LAND DISTURBING ACTIVITY BEFORE NOTIFYING WAKE COUNTY WATERSHED MANAGEMENT OF THE DATE THAT THE LAND DISTURBING ACTIVITY WILL BEGIN.
- 2. LAND DISTURBING ACTIVITY BEYOND THAT REQUIRED TO INSTALL APPROPRIATE EROSION CONTROL MAY NOT PROCEED UNTIL EROSION CONTROL MEASURES ARE INSPECTED AND APPROVED BY THE ENGINEER.
- SCHEDULING OF A PRE-CONSTRUCTION CONFERENCE WITH THE WAKE COUNTY WATERSHED MANAGER, JEEVAN NEUPANE, PE (919-819-8907) PRIOR TO INITIATING LAND DISTURBING ACTIVITIES IS REQUIRED. FOR
- 4. INSTALL TREE PROTECTION FENCING AROUND ALL AREAS OUTSIDE OF THE LIMITS OF DISTURBANCE AS SHOWN ON PLANS.
- SEED OR OTHERWISE PROVIDE GROUND COVER DEVICES OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION FOR ALL EXPOSED SLOPES WITHIN 7 DAYS OF COMPLETION OF ANY PHASE OF GRADING ON PERIMETER AREAS AND SLOPES STEEPER THAN 3:1. ALL OTHER AREAS SHALL BE STABILIZED WITHIN 14 DAYS.
- CONTRACTOR SHALL INSPECT AND MAINTAIN AS NEEDED ALL EROSION CONTROL DEVICES ON A WEEKLY BASIS AND AFTER EACH MAJOR STORM EVENT. FAILURE TO KEEP ALL EROSION CONTROL DEVICES IN PROPER WORKING ORDER MAY RESULT IN A STOP WORK ORDER OR CIVIL PENALTIES UP TO \$5000.00 PER DAY OF VIOLATION.
- 8. THE ENGINEER RESERVES THE RIGHT TO REQUIRE ADDITIONAL EROSION CONTROL MEASURES SHOULD THE PLAN OR ITS IMPLEMENTATION PROVE TO BE INADEQUATE.
- OR RULES MAY ALSO APPLY TO THIS LAND DISTURBING ACTIVITY. APPROVAL BY THE COUNTY DOES NOT SUPERSEDE ANY OTHER PERMIT OR APPROVAL. 10. PLEASE BE ADVISED OF THE RULES TO PROTECT AND MAINTAIN EXISTING BUFFERS ALONG WATERCOURSES IN THE NEUSE AND TAR RIVER BASINS. THESE RULES ARE ENFORCED BY THE DIVISION OF WATER RESOURCES
- (DWR). DIRECT ANY QUESTIONS ABOUT THE APPLICABILITY OF THESE RULES TO YOUR PROJECT TO THE REGIONAL WATER QUALITY SUPERVISOR, RALEIGH REGIONAL OFFICE AT (919) 791-4200. 11. ALL AREAS DOWNSTREAM OF TEMPORARY BASINS AND DITCHES ARE TO BE STABILIZED IMMEDIATELY UPON CONSTRUCTION.

Construction Sequence:

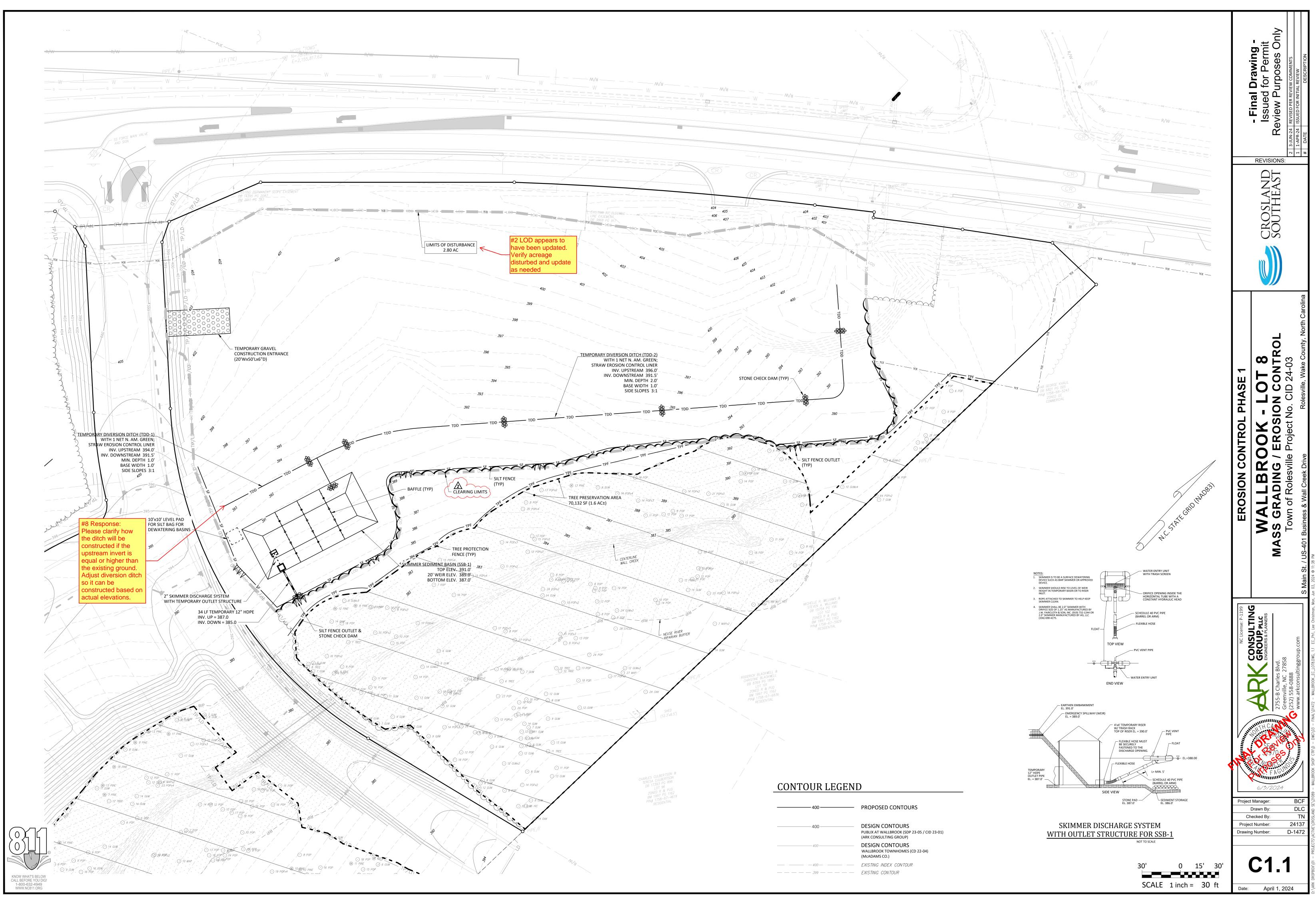
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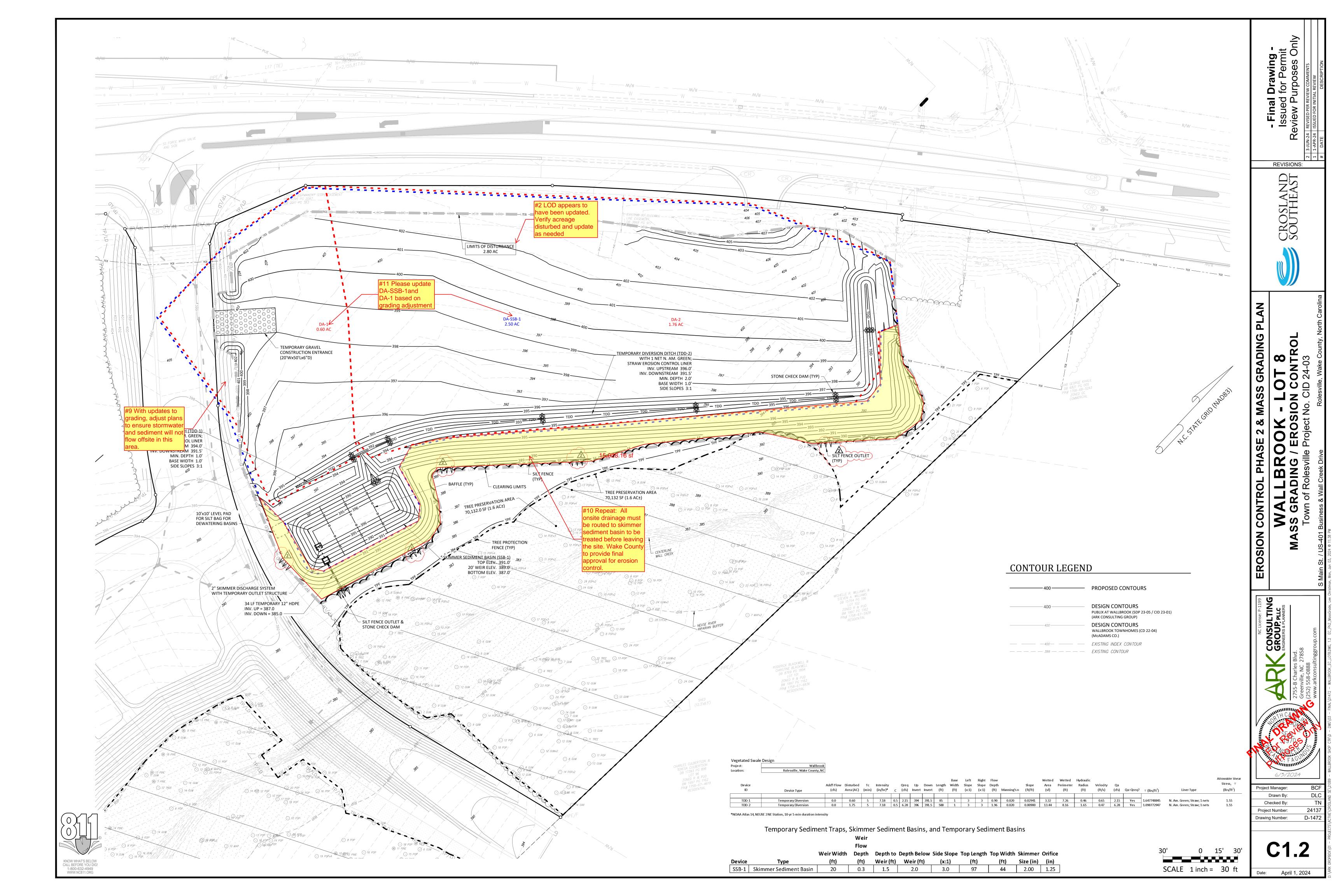
- EROSION AND SEDIMENT CONTROL (E&SC) PERMIT AND A CERTIFICATE OF COVERAGE (COC) MUST BE OBTAINED BEFORE ANY LAND DISTURBING ACTIVITIES OCCUR. 2. CALL WAKE COUNTY WATERSHED MANAGER JEEVAN NEUPANE AT (919) 819-8907 A MINIMUM OF 48 HOURS IN ADVANCE TO SCHEDULE A PRE-CONSTRUCTION MEETING AND FOR NOTIFICATION OF PROJECT START UP.
- ANY DEWATERING ON THE SITE SHALL BE DONE THROUGH A SILT BAG THAT IS CONSTANTLY MONITORED. 4. INSTALL GRAVEL CONSTRUCTION PAD, TEMPORARY DIVERSIONS, SILT FENCE, SEDIMENT BASINS OR OTHER MEASURES AS SHOWN ON THE APPROVED PLAN. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES. SEED
- TEMPORARY DIVERSIONS, BERMS AND BASINS IMMEDIATELY AFTER CONSTRUCTION. 5. CALL WATERSHED MANAGER, JEEVAN NEUPANE FOR AN ONSITE INSPECTION TO OBTAIN A CERTIFICATE OF COMPLIANCE.
- 6. BEGIN CLEARING AND GRUBBING. MAINTAIN DEVICES AS NEEDED. ROUGH GRADE SITE. INSTALL TEMPORARY SKIMMER SEDIMENT BASINS, ALONG WITH TEMPORARY DIVERSION DITCHES THAT SHALL BE INSTALLED TO ENSURE AS MUCH FLOW AS POSSIBLE IS DIRECTED TO THE BASINS. 7. AS ROUGH MASS GRADING CONTINUES, SKIMMER SEDIMENT BASINS SHALL BE MAINTAINED AND CLEANED OF SEDIMENT. IN THE FUTURE SITE-SPECIFIC EROSION CONTROL PLAN SKIMMER SEDIMENT BASINS TO BE
- ABANDONED SHALL BE REMOVED AS FOLLOWS: DEWATER THROUGH SILT BAG, CLEAN SEDIMENT, REMOVE BAFFLES, BACKFILL BASIN AND STABILIZE IMMEDIATELY. DEWATERING OPERATIONS THROUGH SILT BAGS SHALL BE MONITORED CONTINUOUSLY.
- 8. STABILIZE STE AS AREAS ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION, DITCH LININGS, ETC. SEED AND MULCH DENUDED AREAS PER GROUND STABILIZATION TIME FRAME. 9. WHEN MASS GRADING IS COMPLETE AND ALL AREAS ARE STABILIZED COMPLETELY, CALL WATERSHED MANAGER JEEVAN NEUPANE FOR INSPECTION. 10. IF SITE IS APPROVED, MAINTAIN TEMPORARY DIVERSIONS, SILT FENCE, SEDIMENT BASINS, ETC., AND SEED OR STABILIZED ANY RESULTING BARE AREAS. ALL REMAINING PERMANENT EROSION CONTROL DEVICES, SUCH AS
- VELOCITY DISSIPATERS, SHOULD NOW BE INSTALLED. 11. WHEN VEGETATION HAS BECOME ESTABLISHED, CALL FOR FINAL SITE INSPECTION BY THE WATERSHED MANAGER, JEEVAN NEUPANE. OBTAIN CERTIFICATE OF COMPLETION.

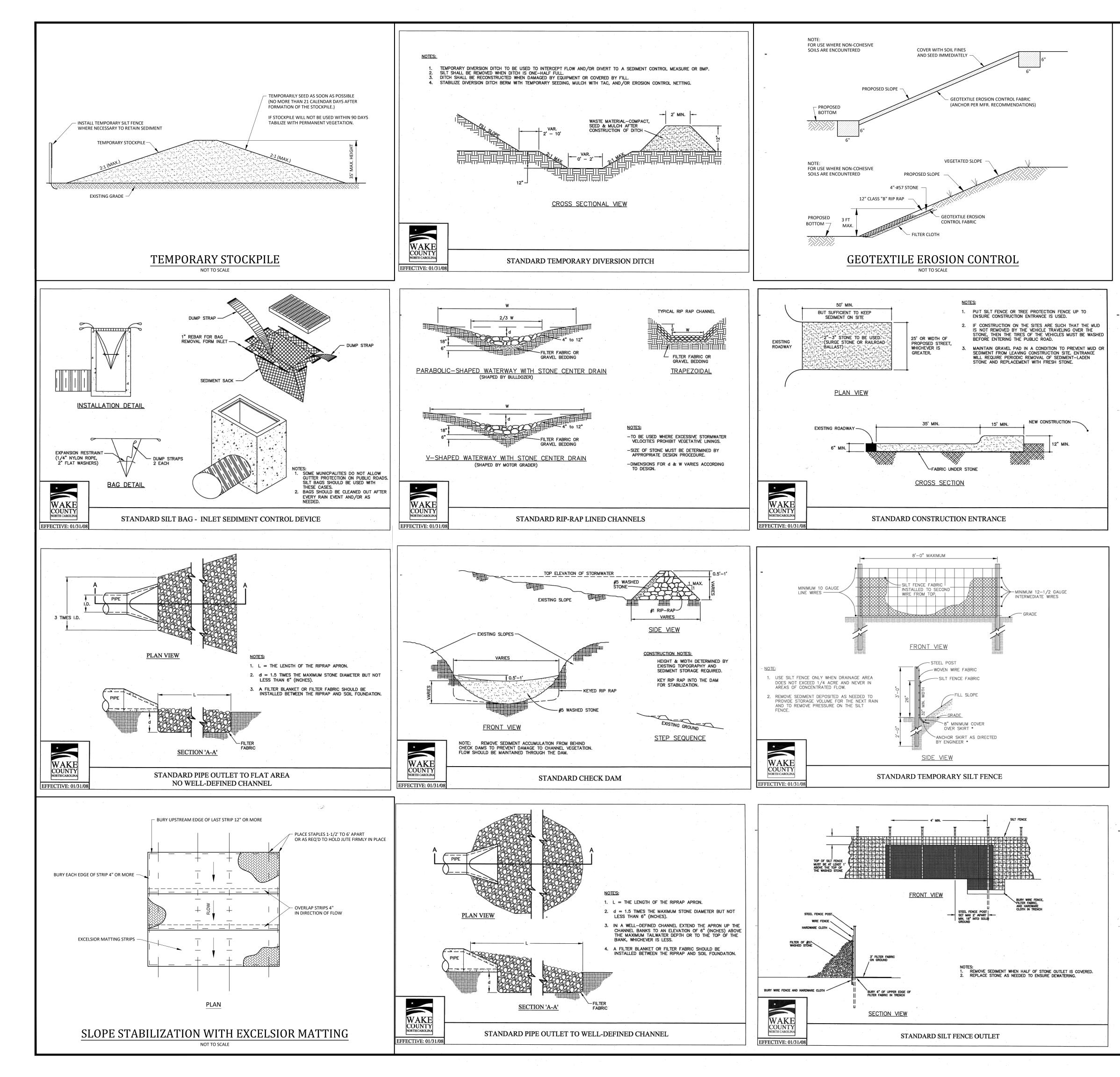


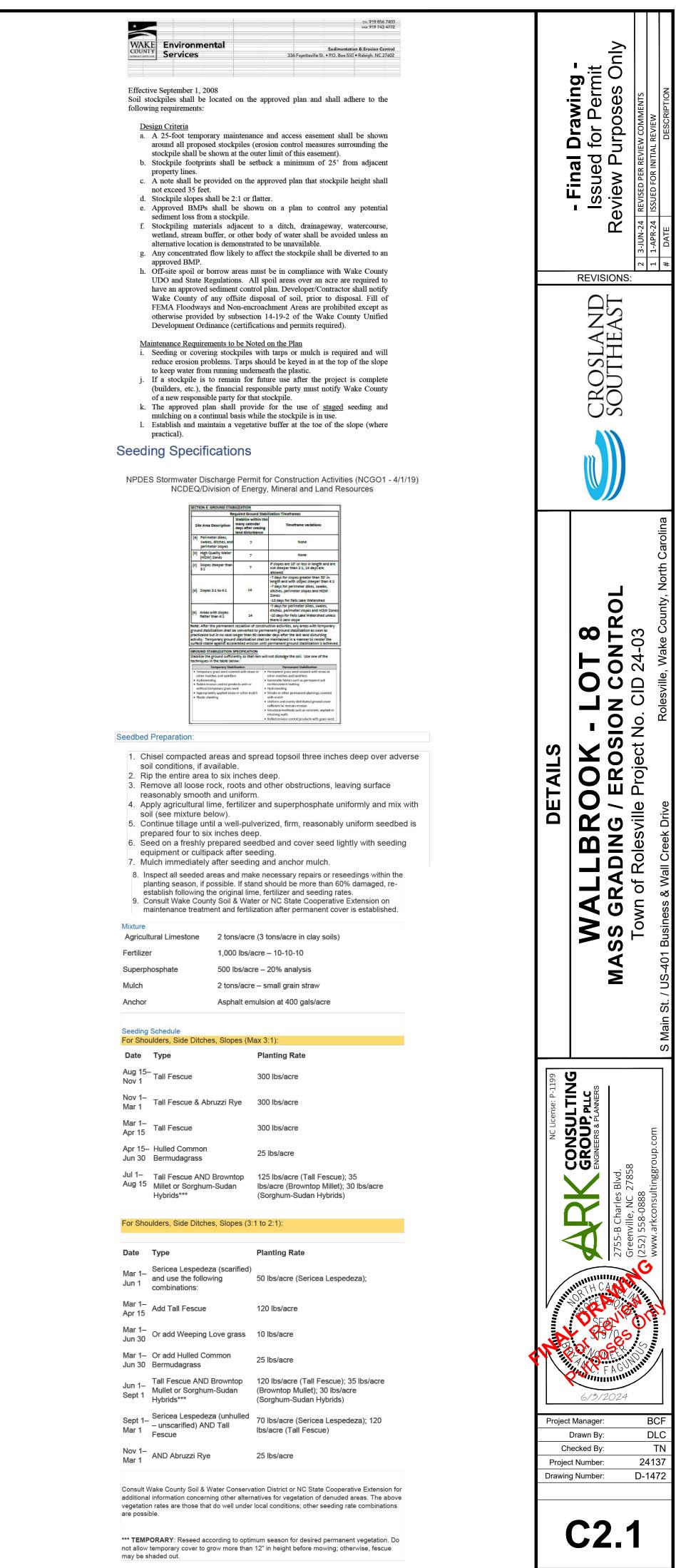
April 1, 2024

Date:



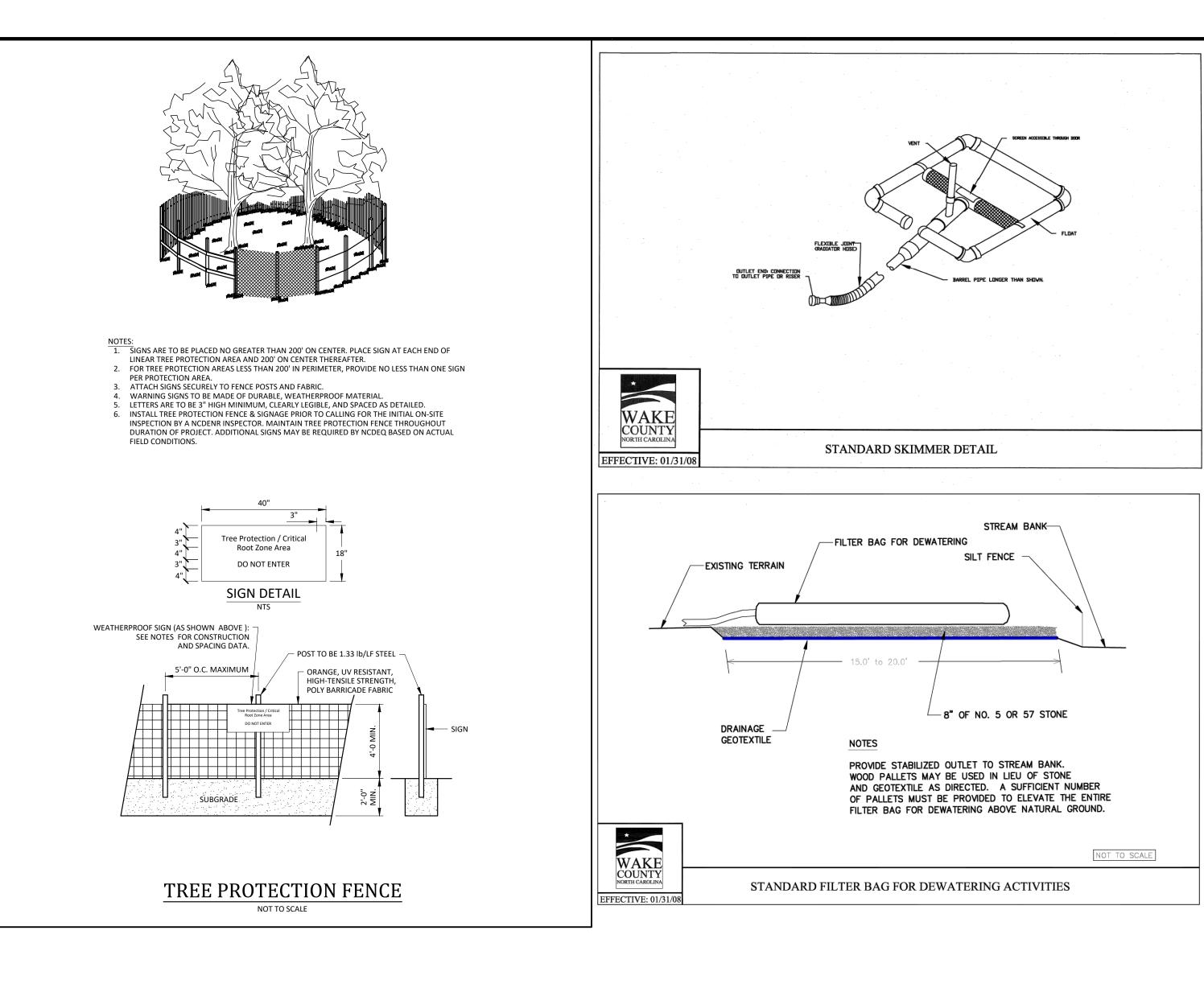


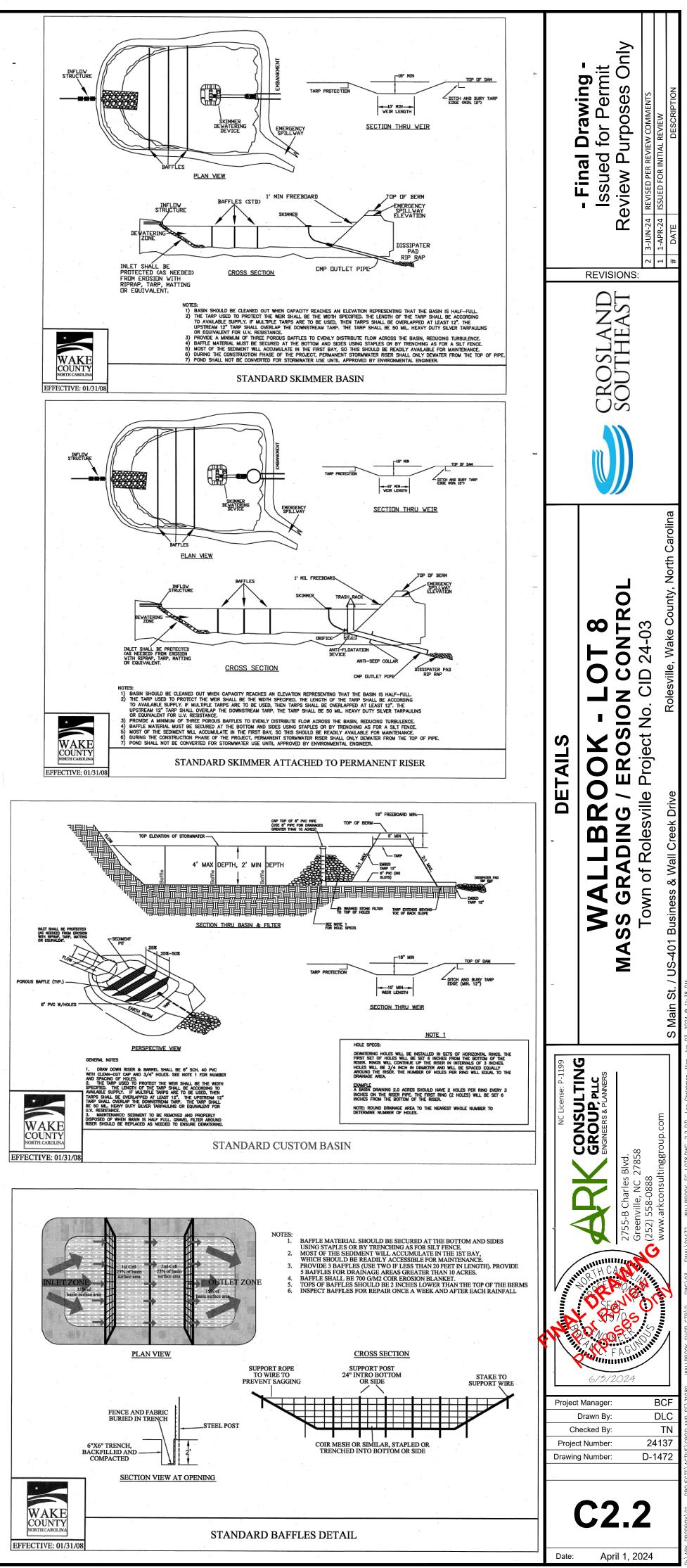




Date:

April 1, 2024





RK DROPBOX\01 - PROJECTS\ACTIVE\CROSLAND SE\21089 - WALLBROOK SHOP CTR\D - DWG\03 - FINAL\D1472 - WALLBROOK_EC_L0T8.DWG, 2.2 DTL, Lee Christman, Mon, Jun 03, 2