

A Plan Reviewer/Inspector's Perspective: The good, the bad, the ugly.

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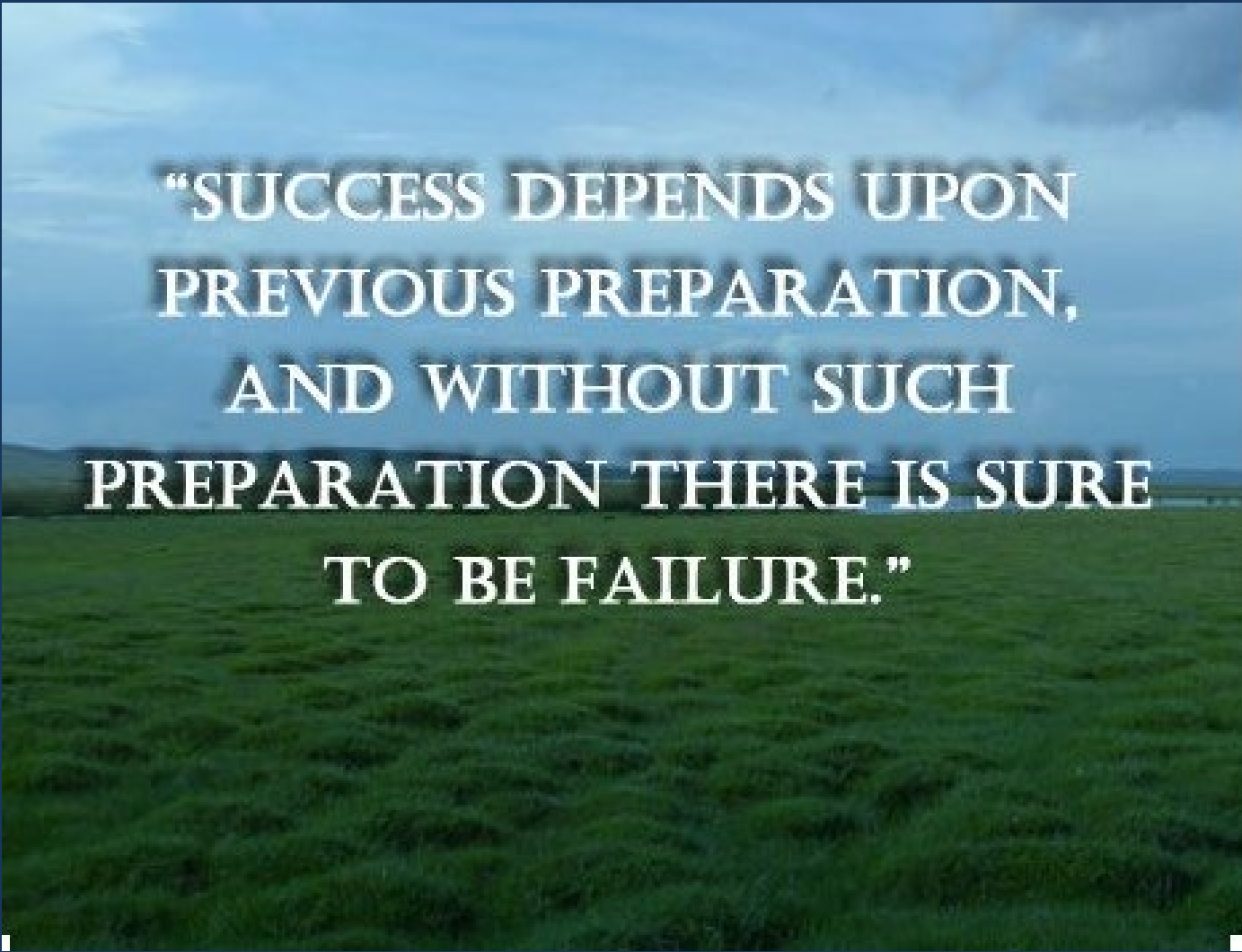
Erosion and Sedimentation Control Administrator

Lincoln County Natural Resources Division

Lincoln County Soil and Water Conservation District

Presentation Outline:

1. The Key to Success
2. How do I Set up for Success?
 - 4 Steps
3. Regulatory Success: The Big 3



“SUCCESS DEPENDS UPON
PREVIOUS PREPARATION,
AND WITHOUT SUCH
PREPARATION THERE IS SURE
TO BE FAILURE.”

“How do I prepare and set my site up for success?”

Step 1: Approvable Plans

(NCG01 e-NOI and COC)

Step 2: Pre-Construction Conferences

Step 3: Site Installation and Maintenance

Step 4: Stabilization and Closeout

Step 2: Preconstruction Conference



SOIL EROSION and SEDIMENTATION CONTROL

Lincoln County Natural Resources Division

115 West Main Street, Lincolnton, NC 28092 704-736-8501 Fax: 704-736-8504

PRE-CONSTRUCTION MEETING FORM

MAJOR GOAL Eliminate off-site sediment on adjacent properties and keep sediment out of our natural waterways and wetlands.

AGENDA FOR MEETING (Checked Items Have Been Discussed)

PLAN ELEMENTS

Elements and Permits associated with Plan Approval

- Disturbed Limits - Amount Approved and what is considered disturbed (timbering, grubbing, etc.)
- Buffers - All existing waterways, wetlands, and FEMA 100 year floodplains will be required to be delineated and flagged on site. Disturbance in these areas are prohibited unless prior approval is granted by Lincoln County Natural Resources and Army Corps of Engineers.
- Borrow and Waste Areas - Land disturbing activities related to the Mining Act of 1971 and regulated by the Division of Waste Management (One-Use Borrow Site)
- Other Permits- Army Corps of Engineers (examples: 401 Permit, 404 Permit, etc.)
NC DENR (example: NPDES Permit)
NC DOT (examples: encroachment agreements for temporary measures, culvert tie on with requirements and standards, etc.)

Erosion Control Measures

- Timbering is part of the Project
- Temporary Control Measures to be installed prior to any clearing or grading.
Coordinated temporary control measure locations with respect to actual field conditions and proposed plan design
- Initial Temporary Control Measure inspection will be required by Natural Resources Dept. prior to starting any clearing, grading, or any other construction activity.
- Construction Sequence shall be followed unless prior approval has been granted by Lincoln County Natural Resource Department.
- Construction Details shall be followed per plan to insure proper construction of each type structure and reduce possible failure.
- Maintenance shall be the main concern during the project after installation of proposed control measures.
- Performance Standards (if required) will be accessed at each proposed phase of the project by Natural Resources Dept. before approval can be granted to commence future phases.
- On-Site Person/ Contact Information

Vegetation / Stabilization

- Vegetation / Vegetation / Vegetation
- Exposed Slopes has include provisions for groundcover within 21 calendar days following completion of any phase of grading.
- Permanent Groundcover shall be installed in all disturbed areas within 21 calendar days following completion of construction or development.
- Importance of soil conditions, seed type (mixtures recommended), season of year.
- Temporary Matting and/or Permanent Ditch Liners will be required per plan and required design calculations (All material changes will require pre approval by Natural Resources Dept. with supporting documentation from plan designer).



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PRE-CONSTRUCTION MEETING FORM

Financial Responsibility / Ownership

- Names, Address, Contact Information (Current & Correct) Corrections will be responsibility of the owner to notify in writing the Natural Resource Dept. for updating all associated plan documents.
- Ownership Changes will require notification to the Natural Resource Dept. to eliminate State and Local Violations to the Sediment Control Act and Ordinance.

Fees / Violations / Fines / Stop Work Orders

- Fees are based on total disturbed area (Areas disturbed beyond plan design will be deemed a violation of the approved plan and will require additional fees, revised plan documents, and possible fines.)
- Violations are notifications of problems on site. Notice of Violations have three components that include: Type of Problem, Actions to Correct Problem, and Time Frame to Correct Problem. Depending on violation, fines will associated with Notice of Violation
- Fines are based on the number of violations and the severity of each violation. Each violation has a maximum daily fine of \$5,000 per day depending on severity. (Example: 4 violations @ \$5,000 = \$20,000 per day fine)
- Stop Work Orders can be added to the above actions in order to expedite the site compliance status.
- Ways to Prevent Violations and Fines (Understand Plan and Theory of Proposed BMP's, Regular Maintenance, Vegetation, Record Keeping & Inspections)

Additional Items Discussed (List as follows):

I certify that the above items checked were part of the pre-construction meeting and were presented in the amount of detail to have a clear understanding of my part in this project.

	Developer/Owner	General Contractor	Engineer/Architect
Name:	_____	_____	_____
Address:	_____	_____	_____
Phone:	_____	_____	_____
Signature:	_____	_____	_____

Step 2: Preconstruction Conference

- Plan Elements
 - Disturbed Limits (timbering and grubbing)
 - Buffers (Delineated and Flagged)
 - Borrow and Waste
 - Sites List
 - Other Permit Requirements
 - 401/404 Permits
 - NCDOT Encroachment Agreements/Culvert tie on with requirements and standards
 - NCG01 Permit Procedures



Permitted LCID and C&D landfills in Lincoln County

LCID landfills – permitted to receive land-clearing and inert debris (stumps, limbs, untreated and unpainted wood, concrete, asphalt, brick, block) – open to the public

Lincoln County Landfill (county owned and operated)
5291 Crouse Road
Crouse, N.C.
(704) 732-9030

Lake Norman Landfill (privately owned and operated)
7099 Quarry Lane (off Hwy. 16 South)
Stanley, N.C.
(704) 822-3033

C&D landfills – permitted to receive construction and demolition debris (treated and painted wood, drywall, vinyl siding, PVC pipe, insulation, etc.) – open to the public

Lincoln County Landfill
5291 Crouse Road
Crouse, N.C.
(704) 732-9030

BFI – Lake Norman Landfill
7099 Quarry Lane
Stanley, N.C.
(704) 822-3033

Goodson Stump Dump
6790 Kidville Road
Denver, NC 28037
Call Sam Goodson @ 704-763-6068

Step 2: Preconstruction Conference

- Erosion Control Measures
 - Temporary Measures Installed Prior to Grubbing
 - 1st Inspection
 - Construction Sequence
 - Construction Details
 - Maintenance
 - Onsite Person/Contact Information



1st Inspection

Rock Creek
Subdivision



1st Inspection

Rock Creek
Subdivision



1st Inspection

Rock Creek
Subdivision

Step 2: Preconstruction Conference

- Vegetation/Stabilization
 - Timeframe for Stabilization
 - Seeding Specs. and Bed Prep.
- Financial Responsibility
 - Contact Information
 - Ownership Changes
- Fees/Violations/Fines/Stop Work Orders
- Additional Items Discussed and Signing

Step 3: Site Installation & Maintenance

- Install Per Design Specs. On Details Page
- Revise when Necessary
 - Proper Communication with Regulatory Officials
- Seed and Mulch Everything that is Inactive
- NCG01 Self Inspection Form/3rd Party Inspections
- The Extra Mile
 - Measures that Spend to Save



06/25/2015 10:41



06/12/2015 10:03









DEMLR Monitoring Form Rev. 08082019

**INSPECTION AND MONITORING RECORDS FOR ACTIVITIES UNDER STORMWATER GENERAL PERMIT NCG010000
AND SELF-INSPECTION RECORDS FOR LAND DISTURBING ACTIVITIES PER G.S. 113A-54.1**

Project Name				Land Quality or Local Program Project/Permit #	
Approving Authority		Date of Plan Approval		Expiration Date, if applicable	
NCG010000 Certificate of Coverage Number				Date of Issuance	
Coverage under the NCG010000 permit must be renewed annually, if issued after April 1, 2019 until Notice of Termination is filed and approved.					

PART 1A: Rainfall Data

Day / Date	Rain Amt (inches) Daily Rainfall Required, except for Holidays or Weekends. If no rain, indicate with a "zero"
M	
T	
W	
Th	
F	
Sat (Optional)	
Sun (Optional)	

PART 1B: Phase(s) of the Plan

Check ALL applicable box(es) that apply to completed & current phases	X
Installation of perimeter erosion and sediment control measures	
Clearing and grubbing of existing ground cover	
Completion of any grading of slopes or fills	
Installation of storm drainage facilities	
Completion of all land-disturbing activity, construction or development	
Permanent ground cover sufficient to restrain erosion has been established	

Are there any site or project conditions that limit completion of inspection? If yes, explain conditions and areas of site that were inaccessible.	
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Step 4: Stabilization and Closeout

- Construction Sequencing
 - Regulator Approval for EC Measure Removal
- Stabilization
 - Soil Testing is FREE/CHEAP! Use it!
 - \$4 per sample Thanksgiving-March
 - Test Your Site and Be Prepared
 - Spend Less on Re-Seeding Costs
- NCG01 Permit Closeout (File Your e-NOT)









Regulatory Success: The Big 3

- Education
- Encouragement
- Enforcement





Lincoln County Natural Resources

Presents

**Hoopaugh Grading
Company, LLC**

With the

**Erosion and Sediment Control
Environmental Excellence Award**



For Outstanding Achievements

On The

Canopy Creek Project

August 16, 2018