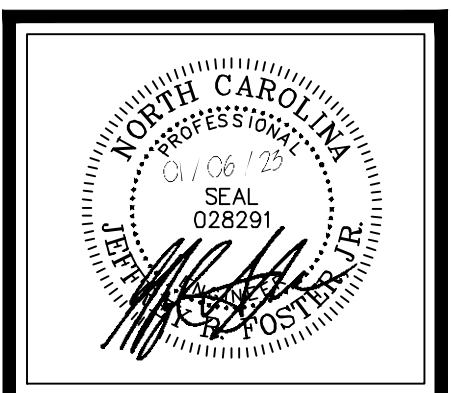
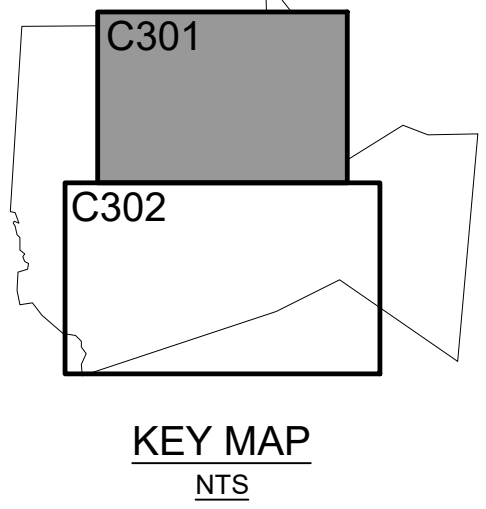


NO.	REVISIONS	DATE

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 301 GLENWOOD AVE. 220
 RALEIGH, NC 27603
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 FAX: 919-322-0032
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 License # C-1739



CONSTRUCTION PLANS FOR
 CHAPEL OAKS
 EROSION CONTROL STG 1
 CHATHAM COUNTY, NORTH CAROLINA



TEMPORARY DIVERSION SWALE LINERS

SWALE#	LINER (OR APPROVED EQUAL)	DEPTH (MIN.)
TDS-A13L	Bionet C125BN	1
TDS-A14L	Bionet S150BN	1.2
TDS-A17L	Bionet C125BN	1.2
TDS-A18L	Bionet C125BN	1
TDS-A21L	VMax SC250	1.7
TDS-A22L	Bionet C125BN	1
TDS-A26L	Bionet C125BN	1.1
TDS-A30L	VMax SC250	1.2
TDS-A17R	Bionet S150BN	1
TDS-A18R	Bionet S150BN	1
TDS-A19R	VMax SC250	1.8
TDS-A22R	Bionet SC150BN	1
TDS-A26R	Bionet C125BN	1
TDS-B10L	Bionet S150BN	1.1
TDS-B12L	Bionet S150BN	1.4
TDS-B13L	Bionet S150BN	1.2
TDS-B17L	Bionet S150BN	1
TDS-B20L	Bionet S150BN	1.2
TDS-B25L	Bionet S150BN	1
TDS-B13R	Bionet S150BN	1.1
TDS-B17R	Bionet SC150BN	1
TDS-B25R	Bionet S150BN	1

LEGEND

	TEMPORARY SILT FENCE (SF)		TEMPORARY WATER BAR
	TEMPORARY SUPER SILT FENCE (SSF)		TEMPORARY DITCH / BERM
	TEMPORARY TREE PROTECTION FENCE (TPF)		PERMANENT DITCH / BERM
	DISTURBED LIMIT LINE		BAFFLE
	EXISTING TREELINE		STORM WATER PIPE
	PROPOSED TREELINE		TEMPORARY INLET PROTECTION (TIP)
	EXISTING 1' CONTOURS		COIR WATTLE
	EXISTING 5' CONTOURS		REINFORCED SILT FENCE OUTLET (RO)
	PROPOSED 1' CONTOURS		DIVERSION BERM (DB) OUTLET DISSIPATER
	PROPOSED 5' CONTOURS		SEPTIC SOILS
	PROPOSED 8" WATER MAIN		DIVERSION BERM (DB)
	PROPOSED 2" WATER MAIN		

CONSTRUCTION NOTES
 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.
 SUFFICIENT EROSION CONTROL PRACTICES MUST BE INSTALLED AND MAINTAINED TO STABILIZE SEDIMENT WITHIN THE BOUNDARIES OF THE SITE. GROUND COVER STABILIZATION SHALL BE IN ACCORDANCE WITH NPDES PERMIT AND STABILIZATION CHART ABOVE. TEMPORARY GROUND COVER WILL BE INSTALLED ON ALL EXPOSED SLOPES WITHIN 15 WORKING DAYS FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT. ALL SLOPES >= 3:1 SHALL HAVE SLOPE PROTECTION.
 MAINTENANCE: ALL EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSPECTED WEEKLY AND AFTER EVERY RUNOFF PRODUCING RAINFALL EVENT. NEEDED REPAIRS WILL BE MADE IMMEDIATELY.
 NO DISTURBANCE TO TAKE PLACE INSIDE STREAM BUFFERS OR WETLANDS UNTIL ALL REQUIRED ACCE, 404 PERMITS, NCDQW 401 PERMITS, AND /OR CHATHAM BUFFER IMPACT AUTHORIZATION HAVE BEEN OBTAINED AND COPY OF PERMITS ON-SITE.
 MAXIMUM GRADED SLOPE SHALL NOT EXCEED TWO (2) TO ONE (1).
TOTAL DISTURBED AREA= 12.9 ACRES
 NOTE: SEE SHT. C356 FOR TEMPORARY AND PERMANENT SWALE DESIGN AND LINER INFORMATION.

SEE SHEET C302

GROUND STABILIZATION *

SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS
Perimeter dikes, swales, ditches and slopes	7 days	None
High Quality Water (HOW) Zones	7 days	None
Slopes steeper than 3:1	7 days	If slopes are 10' or less in length and are not steeper than 2:1, 14 days allowed
Slopes 3:1 or flatter	14 days	7-days for slopes greater than 50-feet in length
All other areas with slopes flatter than 4:1	14 days	None (except for perimeters and HOW Zones)

*Extensions of time may be approved by the permitting authority based on weather or other site-specific conditions that make compliance impracticable. (Section II.B (2)(b))

NCDENR SELF-INSPECTION PROGRAM
 THE SEDIMENTATION POLLUTION CONTROL ACT WAS AMENDED IN 2006 TO REQUIRE THAT PERSONS RESPONSIBLE FOR LAND-DISTURBING ACTIVITIES INSPECT A PROJECT AFTER EACH PHASE OF THE PROJECT TO MAKE SURE THAT THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IS BEING FOLLOWED.
 RULES DETAILING THE DOCUMENTATION OF THESE INSPECTIONS TAKE EFFECT OCTOBER 1, 2010.
 THE SELF-INSPECTION PROGRAM IS SEPARATE FROM THE WEEKLY SELF-MONITORING PROGRAM OF THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES. THE FOCUS OF THE SELF-INSPECTION REPORT IS THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL MEASURES ACCORDING TO THE APPROVED PLAN. THE INSPECTIONS SHOULD BE CONDUCTED AFTER EACH PHASE OF THE PROJECT, AND CONTINUED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
 THE SELF-INSPECTION REPORT FORM IS AVAILABLE AS AN EXCEL SPREADSHEET FROM THE LAND QUALITY WEB SITE.
<http://portal.ncdenr.gov/web/it/erosion>

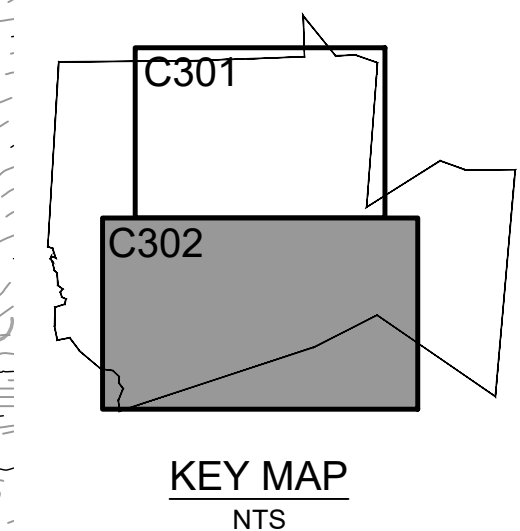
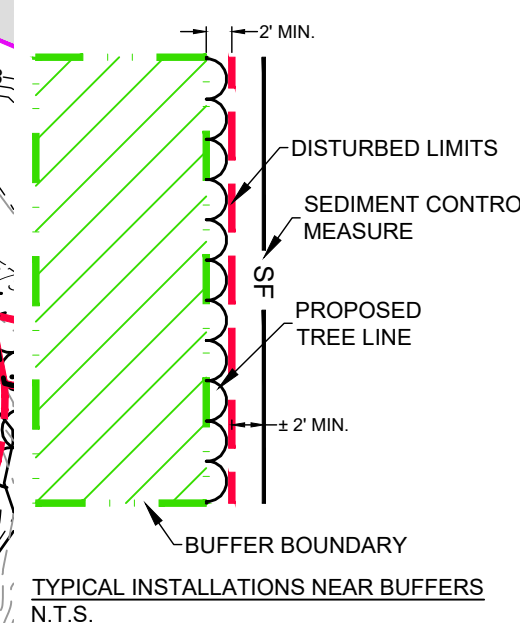
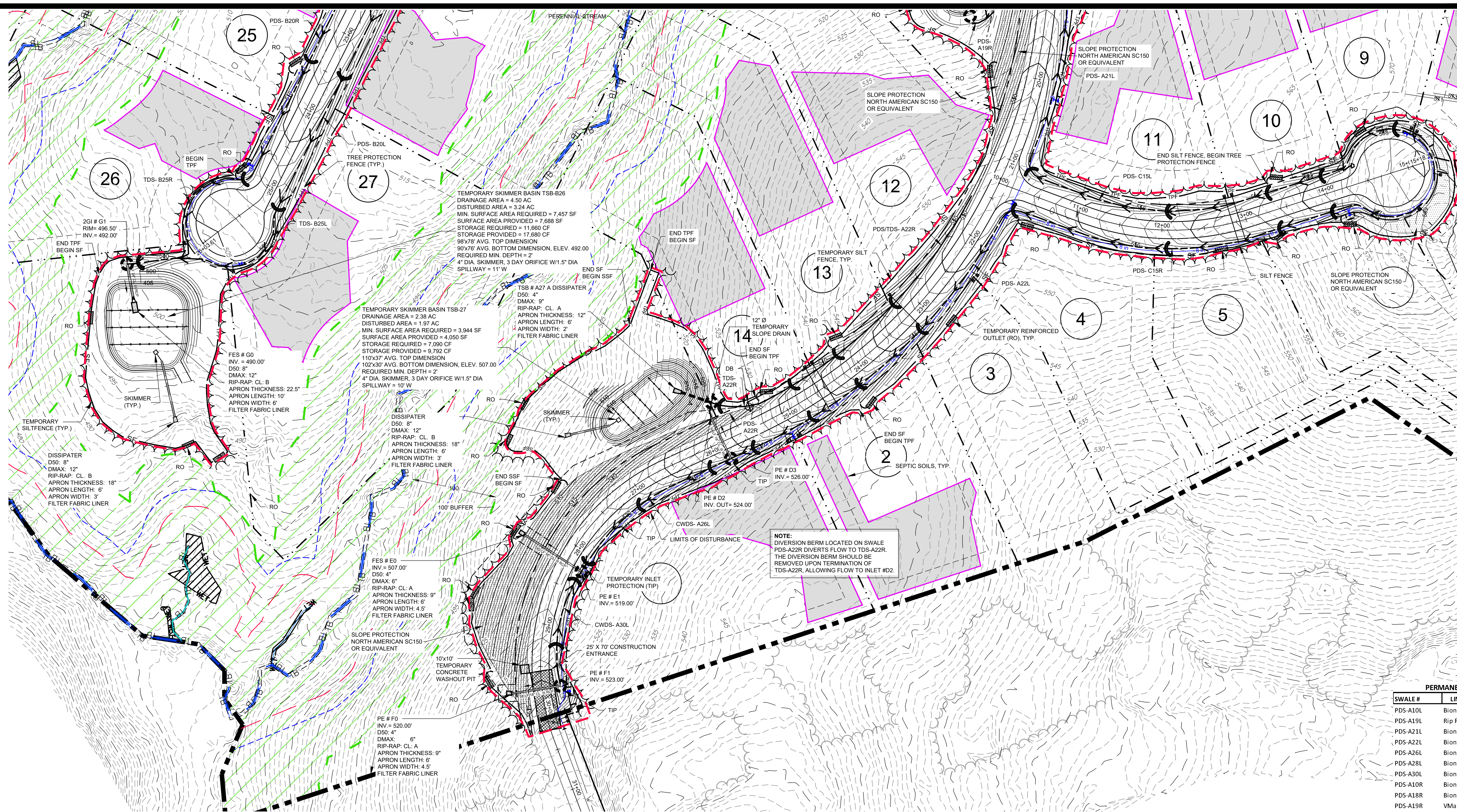


SCALE: 1" = 60'

FINAL DESIGN

Sheet No:
C301
 Of 33

SEE SHEET C303



LEGEND

	TEMPORARY SILT FENCE (SF)		TEMPORARY WATER BAR
	TEMPORARY SUPER SILT FENCE (SSF)		TEMPORARY DITCH / BERM
	TEMPORARY TREE PROTECTION FENCE (TPF)		PERMANENT DITCH / BERM
	DISTURBED LIMIT LINE		STORM WATER PIPE
	EXISTING TREELINE		TEMPORARY INLET PROTECTION (TIP)
	PROPOSED TREELINE		COIR WATTLE
	EXISTING 1' CONTOURS		REINFORCED SILT FENCE OUTLET (RO)
	EXISTING 5' CONTOURS		DIVERSION BERM (DB) OUTLET DISSIPATER
	PROPOSED 1' CONTOURS		SEPTIC SOILS
	PROPOSED 5' CONTOURS		DIVERSION BERM (DB)
	PROPOSED 8" WATER MAIN		
	PROPOSED 2" WATER MAIN		

CONSTRUCTION NOTES
 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.
 SUFFICIENT EROSION CONTROL PRACTICES MUST BE INSTALLED AND MAINTAINED TO RETAIN SEDIMENT WITHIN THE BOUNDARIES OF THE SITE. GROUND COVER STABILIZATION SHALL BE IN ACCORDANCE WITH NPDES PERMIT AND STABILIZATION CHART ABOVE. TEMPORARY GROUND COVER WILL BE INSTALLED ON ALL EXPOSED SLOPES IN 7 OR 14 DAYS. PERMANENT GROUND COVER WILL BE INSTALLED ON EXPOSED SLOPES WITHIN 15 WORKING DAYS FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT. ALL SLOPES \geq 3:1 SHALL HAVE SLOPE PROTECTION.
 MAINTENANCE: ALL EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSPECTED WEEKLY AND AFTER EVERY RUNOFF PRODUCING RAINFALL EVENT. NEEDED REPAIRS WILL BE MADE IMMEDIATELY.
 NO DISTURBANCE TO TAKE PLACE INSIDE STREAM BUFFERS OR WETLANDS UNTIL ALL REQUIRED ACOE, 404 PERMITS, NCDOW 401 PERMITS, AND /OR CHATHAM BUFFER IMPACT AUTHORIZATION HAVE BEEN OBTAINED AND COPY OF PERMITS ON-SITE.
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TOTAL DISTURBED AREA= 12.9 ACRES
 NOTE: SEE SHT. C356 FOR TEMPORARY AND PERMANENT SWALE DESIGN AND LINER INFORMATION.

GROUND STABILIZATION *

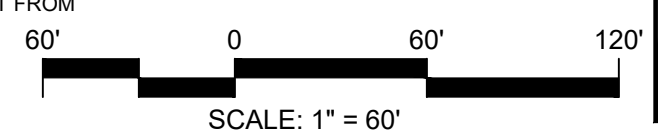
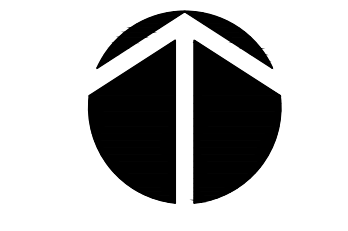
SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS
Perimeter dikes, swales, ditches and slopes	7 days	None
High Quality Water (HQW) Zones	7 days	None
Slopes steeper than 3:1	7 days	If slopes are 10' or less in length and are not steeper than 2:1, 14 days allowed
Slopes 3:1 or flatter	14 days	7-days for slopes greater than 50-feet in length
All other areas with slopes flatter than 4:1	14 days	None (except for perimeters and HQW Zones)

*Extensions of time may be approved by the permitting authority based on weather or other site-specific conditions that make compliance impracticable. (Section II.B (2)(b))

NCDENR SELF-INSPECTION PROGRAM
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 THE SELF-INSPECTION REPORT FORM IS AVAILABLE AS AN EXCEL SPREADSHEET FROM THE LAND QUALITY WEB SITE.
<http://portal.ncdenr.org/web/erosion>

PERMANENT DIVERSION SWALE LINERS

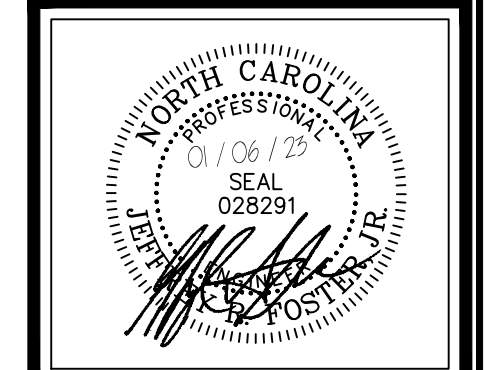
SWALE #	LINER (OR APPROVED EQUAL)	DEPTH (MIN.)
PDS-A10L	Bionet S150BN	1
PDS-A19L	Rip Rap (d50-6")	1.4
PDS-A21L	Bionet SC150BN	1
PDS-A22L	Bionet SC150BN	1
PDS-A26L	Bionet SC150BN	1
PDS-A28L	Bionet S150BN	1
PDS-A30L	Bionet S150BN	1.1
PDS-A10R	Bionet S150BN	1.2
PDS-A18R	Bionet S150BN	1
PDS-A19R	VMax SC250	1.4
PDS-A22R	Bionet S150BN	1
PDS-B12L	Bionet S75BN	1
PDS-B13L	Bionet S75BN	1.1
PDS-B17L	Bionet C125BN	1
PDS-B20L	Bionet S125BN	1.2
PDS-B25L	Bionet C125BN	1
PDS-B12R	Bionet S150BN	1
PDS-B13R	Bionet S75BN	1
PDS-B17R	Bionet SC150BN	1
PDS-B20R	Bionet S75BN	1.4
PDS-B25R	Bionet SC150BN	1
PDS-C15L	Bionet S75BN	1
PDS-C15R	Bionet S75BN	1
PDS-C1	Bionet S75BN	1
PDS-C2	Bionet S75BN	1.4



FINAL DESIGN

NO.	REVISIONS	DATE

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**CONSTRUCTION PLANS FOR
 CHAPEL OAKS
 EROSION CONTROL STG 2
 CHATHAM COUNTY, NORTH CAROLINA**

Date: JANUARY 19, 2022
 Scale: 1" = 60'
 Drawn: BCS
 Checked: JRF
 Project No: 215-018
 Computer Dig. Name: 215-018_e303-c304_erosion control.rvt

Sheet No: **C304**
 Of 33