

CONSTRUCTION SEQUENCE

1. REFER TO STAGE 1 EROSION CONTROL PLAN FOR PERIMETER CONTROL AND SEDIMENT BASIN INSTALLATION AND MAINTENANCE.
2. SCHEDULE AND HOLD A PRE-CONSTRUCTION MEETING WITH ORANGE COUNTY EROSION CONTROL, STEVE KALTENBACH (PHONE: 919-245-2589) AT LEAST ONE WEEK PRIOR TO BEGINNING CONSTRUCTION. THIS MAY BE THE SAME MEETING HELD WITH OTHER DEVELOPMENT REGULATORS, INCLUDING TOWN OF CARBORO STAFF.
3. ONCE SITE HAS BEEN ROUGH GRADED IN ACCORDANCE WITH STAGE 1 EROSION CONTROL PLAN AND ALL CUT BANKS HAVE BEEN STABILIZED, INSTALL CONSTRUCTION ENTRANCE OFF OF GREENSBORO STREET.
4. ONCE KDOT PIPE HAS BEEN INSTALLED, CONSTRUCT STRUCTURE 68 AND BEGIN CAASPPA INSTALLATION.
5. TEMPORARILY REMOVE SEDIMENT BASIN DAM (AS NEEDED) DURING CAASPPA INSTALLATION AND RESTORE DAM IMMEDIATELY AS EACH SECTION OF CAASPPA IS INSTALLED. COMPLETE THIS WORK DURING A FORECASTED EXTENDED DRY PERIOD (5 DAYS MIN.).
6. ONCE CAASPPA HAS BEEN INSTALLED, INSTALL ALL NECESSARY PORTIONS OF THE STORM NETWORK.
7. AFTER INSTALLATION OF EACH STORM DRAINAGE INLET, INSTALL INLET PROTECTION. PORTIONS OF THE SEDIMENT BASIN CAN BE FILLED IN AS NEEDED TO COMPLETE WORK AS LONG AS A MINIMUM SURFACE AREA OF 8,500 SF WITH A 2' DEPTH IS MAINTAINED.
8. AFTER THE NECESSARY PORTIONS OF THE STORM NETWORK HAVE BEEN INSTALLED AND EACH INLET HAS INLET PROTECTION, THE REMAINDER OF THE STAGE 1 SEDIMENT BASIN CAN BE FILLED IN. REMOVE TEMPORARY PIPES INSTALLED DURING STAGE 1. USE LIME TO STABILIZE ANY UNSUITABLE SOILS IN THE BASIN.
9. PUSH SOIL SURCHARGE PADS OVER TO FINISHED SUBGRADE ELEVATIONS. IN AREAS TO RECEIVE PIOP, LEAVE SUBGRADE 0.5' ABOVE FINISHED SUBGRADE ELEVATION TO PROTECT THE PICH SUBGRADE.
10. SPECIAL INSTRUCTION IS NEEDED WHILE WORKING IN AREAS TO RECEIVE PERMEABLE PAVEMENT. SEE SPECIFICATIONS AND PERMEABLE PAVEMENT NOTES ON SHEET C4201.
11. INSTALL ANY REMAINING INLETS, STORMWATER STRUCTURES AND PROTECTION MEASURES NEEDED.
12. FINE GRADE ALL REMAINING AREAS, THEN STABILIZE ANY BARE SURFACES.
13. PROCEED WITH ALL REMAINING ON-SITE CONSTRUCTION IMPROVEMENTS.
14. SEED/PLANT AND STABILIZE ALL REMAINING DISTURBED AREAS
15. MAINTAIN ALL ACTIVE EROSION CONTROL DEVICES THROUGHOUT CONSTRUCTION PER DETAILS AND NOTES ON SHEET C5301.
16. WHEN ALL CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED, CALL FOR AN ON-SITE INSPECTION BY THE ORANGE COUNTY EROSION CONTROL OFFICER AND THE TOWN OF CARBORO PLANNING DEPARTMENT.
17. IF THE SITE IS APPROVED, REMOVE ALL REMAINING EROSION CONTROL DEVICES.
18. WHEN VEGETATION IS ESTABLISHED, CALL FOR FINAL SITE INSPECTION.

EROSION CONTROL & GRADING NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ORANGE COUNTY AND THE TOWN OF CARBORO STANDARDS AND SPECIFICATIONS.
2. CONTRACTOR SHALL HAVE NORTH CAROLINA ONE CALL (1-800-632-4949). LOCATE ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL VERIFY THE DEPTH AND LOCATION OF ALL EXISTING UTILITIES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO BEGINNING CONSTRUCTION.
3. THIS PLAN IS DIAGRAMMATIC AND REPRESENTS THE APPROXIMATE LOCATION OF UTILITIES UNLESS SPECIFICALLY DIMENSIONED. THE CONTRACTOR SHALL COORDINATE THE ACTUAL LOCATION OF UTILITIES TO AVOID CONFLICTS AND MEET MINIMUM SIZE, SLOPE, AND CODE REQUIREMENTS.
4. TOTAL DISTURBED AREA: 6.0 AC. THIS INCLUDES ALL DISTURBANCE REQUIRED FOR FULL SITE CONSTRUCTION.
5. NO BURNING IS PERMITTED.
6. CONTRACTOR SHALL INSPECT THE EROSION AND SEDIMENT CONTROL DEVICES DAILY, MAKE ANY NECESSARY REPAIRS OR ADJUSTMENTS TO THE DEVICES, AND MAINTAIN INSPECTION LOGS DOCUMENTING THE DAILY INSPECTIONS AND ANY NECESSARY REPAIRS.
7. CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO PREVENT AND REMOVE THE DEPOSIT OF SILT ON ADJACENT PAVED ROADWAYS.
8. SUFFICIENT EROSION CONTROL PRACTICES MUST BE INSTALLED AND MAINTAINED TO RETAIN SEDIMENT WITHIN THE BOUNDARIES OF DISTURBANCE. ALL DISTURBED AREAS SHALL BE NON ERODIVE AND STABLE AS DESCRIBED IN THE GROUND STABILIZATION REQUIREMENTS TABLE (THIS SHEET).
9. CONSTRUCTION WORKERS SHALL PARK ON SITE IN DESIGNATED AREAS. NO PARKING ON SOUTH GREENSBORO STREET.
10. ROUGH GRADING IN AREAS OF PERMEABLE PAVEMENT IS INTENTIONALLY SHOWN HIGHER THAN SUBGRADE TO PROVIDE POSITIVE DRAINAGE AND PROTECTION OF SUBGRADE DURING CONSTRUCTION.
11. TOPSOIL STOCKPILE AREAS SHALL HAVE A MAXIMUM HEIGHT OF 10' WITH SIDE SLOPES NO STEEPER THAN 3:1.
12. CONSTRUCTION SHALL COMPLY WITH THE CARBORO NOISE ORDINANCE, ARTICLE XI, SECTION 15-163.
13. A WATER TRUCK SHALL BE USED TO MINIMIZE DUST.
14. CONSTRUCTION VEHICLES TO ACCESS THE SITE FROM SOUTH GREENSBORO STREET TO PURPLE LEAF PLACE.
15. EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED FROM SOUTH GREENSBORO STREET TO PURPLE LEAF PLACE.

SEEDING SCHEDULE

SEEDBED PREPARATION

1. CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3 INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF APPLICABLE.
2. RIP THE ENTIRE AREA TO 6 INCHES DEEP.
3. REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
4. APPLY AGRICULTURAL LIME, FERTILIZER, AND SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL (SEE BELOW).
5. CONTINUE TILLAGE UNTIL WELL PULVERIZED, FIRM, REASONABLY UNIFORM SEEDBED IS PREPARED 4 TO 6 INCHES DEEP.
6. SEED ON FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK AFTER SEEDING.
7. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
8. INSPECT ALL SEEDING AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE OVER 60% DAMAGED, REESTABLISH FOLLOWING ORIGINAL LIME, FERTILIZER AND SEEDING RATES.

* APPLY: AGRICULTURAL LIMESTONE - 2 TONS/AC (3 TONS/AC IN CLAY SOILS) FERTILIZER - 1,000 LBS/ACRE - 10-10-10 SUPERPHOSPHATE - 500 LBS/ACRE - 20% ANALYSIS MULCH - 2 TONS/ACRE - SMALL GRAIN STRAW ANCHOR - ASPHALT EMULSION @ 300 GALS/ACRE

SHOULDERS, SIDE DITCHES, SLOPES (MAX 3:1)

	<u>TYPE</u>	<u>PLANTING RATE</u>
AUG 1 - NOV 1	TALL FESCUE	120 LBS/ACRE
NOV 1 - MAR 1	TALL FESCUE & ABRUZZI RYE	120 LBS/ACRE 25 LBS/ACRE
MAR 1 - APR 15	TALL FESCUE	120 LBS/ACRE
APR 15 - JUN 30	HULLED COMMON BERMUDAGRASS	12 LBS/ACRE
JUL 1 - AUG 15	TALL FESCUE <u>AND</u> ***BROWNTOWN MILLET	60 LBS/ACRE 35 LBS/ACRE
	***OR SORGHUM-SUDAN HYBRIDS	30 LBS/ACRE

SLOPES (3:1 TO 2:1)

MAR 1 - JUN 1	SERICEA LESPEDEZA (SCARIFIED)	50 LBS/ACRE
	& ADD TALL FESCUE	60 LBS/ACRE
(MAR 1 - APR 15)	OR ADD WEeping LOVEGRASS	5 LBS/ACRE
(MAR 1 - JUN 30)	OR ADD HULLED COMMON BERMUDAGRASS	8 LBS/ACRE
APR 15 - JUN 30	HULLED COMMON BERMUDAGRASS	12 LBS/ACRE
JUN 1 - SEP 1	TALL FESCUE AND ***BROWNTOWN MILLET	60 LBS/ACRE 35 LBS/ACRE
	***OR SORGHUM-SUDAN HYBRIDS	30 LBS/ACRE
SEP 1 - MAR 1	SERICEA LESPEDEZA (UNHULLED - SCARIFIED)	70 LBS/ACRE
	AND TALL FESCUE	50 LBS/ACRE
(NOV 1 - MAR 1)	ADD ABRUZZI RYE	25 LBS/ACRE

GROUND STABILIZATION REQUIREMENTS

(PER NPDES CONSTRUCTION STORMWATER GENERAL PERMIT NCG010000)

SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES, AND SLOPES	7	NONE
HIGH QUALITY WATER (HOW) ZONES	7	NONE
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
SLOPES 3:1 OR FLATTER	14	7 DAYS FOR SLOPES GREATER THAN 50 FEET IN LENGTH
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14	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))

DRAWING LEGEND

SYMBOL/ABBREVIATION

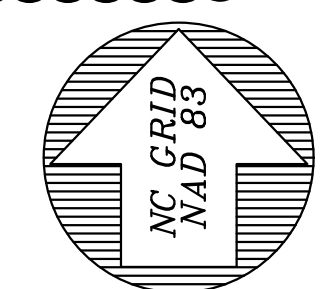
EXISTING PROPOSED

DESCRIPTION

280	280	MAJOR CONTOUR
282	282	MINOR CONTOUR
100.00	100.00	SPOT ELEVATION
---	---	PROPERTY LINE
---	---	LIMITS OF DISTURBANCE
SF	SF	SILT FENCE/STONE OUTLET
TPF	TPF	TEMPORARY TREE PROTECTION FENCE
X	X	CHAIN LINK FENCE
---	---	CONSTRUCTION ENTRANCE
---	---	TEMPORARY INLET PROTECTION
---	---	STORM DRAINAGE MANHOLE/STRUCTURE #
---	---	CATCH BASIN/STRUCTURE #
---	---	DROP INLET/STRUCTURE #

PLAN KEY NOTES

1. TEMPORARY SILT FENCE (TYP.)
2. TEMPORARY TREE PROTECTION FENCE (TYP.)
3. TEMPORARY SILT FENCE STONE OUTLET (TYP.)
4. TEMPORARY INLET PROTECTION (TYP.)
5. TEMPORARY CONSTRUCTION ENTRANCE (TYP.)
6. TEMPORARY DIVERSION DITCH #1-#5, #7, #8
7. DROP INLET W/ STANDARD 24"x24" GRATE (TYP.)
8. STANDARD JUNCTION BOX (TYP.)
9. RETAINING WALL (DESIGN-BUILD)



STAGE 2
EROSION CONTROL PLAN

0 10 20 30 40
(GRAPHIC SCALE IN FEET)
1 inch = 30 ft.

BALLENTINE
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DATE	REVISIONS
16 MAY 24	LOT 2 GRADING REVISIONS

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OWNER INFORMATION
WOODHILL, N.C., LLC
P.O. BOX 4022
CHAPEL HILL, NC 27515
OWNER REPRESENTATIVE:
RILEY WOODS
PH. (919) 418-2121
FAX
EMAIL: rileywoods@gmail.com

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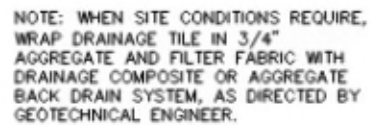
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JOB #: 114023.00
DATE: 19 JUN 15
SCALE: AS NOTED
DRAWN BY: D.W.S.
REVIEWED BY: A.R.S.

SHEET
C1301



SEGMENTAL BLOCK RETAINING WALL SECTION (DESIGN-BUILD)

SCALE: N.T.S.



