

NO.	DATE	NO.	DATE	NO.	DATE
1	8/25/97	5	5/4/98		
2	9/18/97				
3	10/24/97				
4	4/7/98				

**CENTREWEST SOUTH CAROLINA**  
CARY, WAKE COUNTY, NORTH CAROLINA

SHEET  
**C3.0**  
4 OF 7

NOT PERMITTED FOR CONSTRUCTION

**DRAINAGE STRUCTURE SCHEDULE**

- CURB INLET (TYP. STD.)**  
DA = 0.66 AC.  
Q = 3.5 cfs  
HW = 1.2'  
TOP = 378.07  
INV. = 374.00
- CURB INLET**  
DA = 0.59 AC.  
Q = 3.1 cfs  
Q<sub>tot</sub> = 6.6 cfs  
HW = 1.8'  
TOP = 378.07  
INV. = 373.50
- CURB INLET**  
DA = 1.05 AC.  
Q = 5.5 cfs  
Q<sub>tot</sub> = 17.6 cfs  
HW = 2.6'  
TOP = 356.50  
INV. = 352.25
- CURB INLET**  
DA = 0.43 AC.  
Q = 2.3 cfs  
Q<sub>tot</sub> = 19.9 cfs  
HW = 3.0'  
TOP = 348.29  
INV. = 343.50
- CURB INLET**  
DA = 1.25 AC.  
Q = 6.6 cfs  
Q<sub>tot</sub> = 26.5 cfs  
HW = 4.2'  
TOP = 343.11  
INV. IN = 337.50  
INV. OUT = 332.75
- 24" FES**  
Q = 26.5 cfs  
INV. = 315.50  
V = 15.6 fps  
L = 15'  
W = 4'
- DROP INLET**  
DA = 1.05 AC.  
Q = 5.5 cfs  
HW = 1.6'  
TOP = 374.00  
INV. = 370.00
- 15" FES**  
Q = 5.5 cfs  
INV. = 360.00  
V = 18.0 fps  
L = 10'  
W = 2.5'

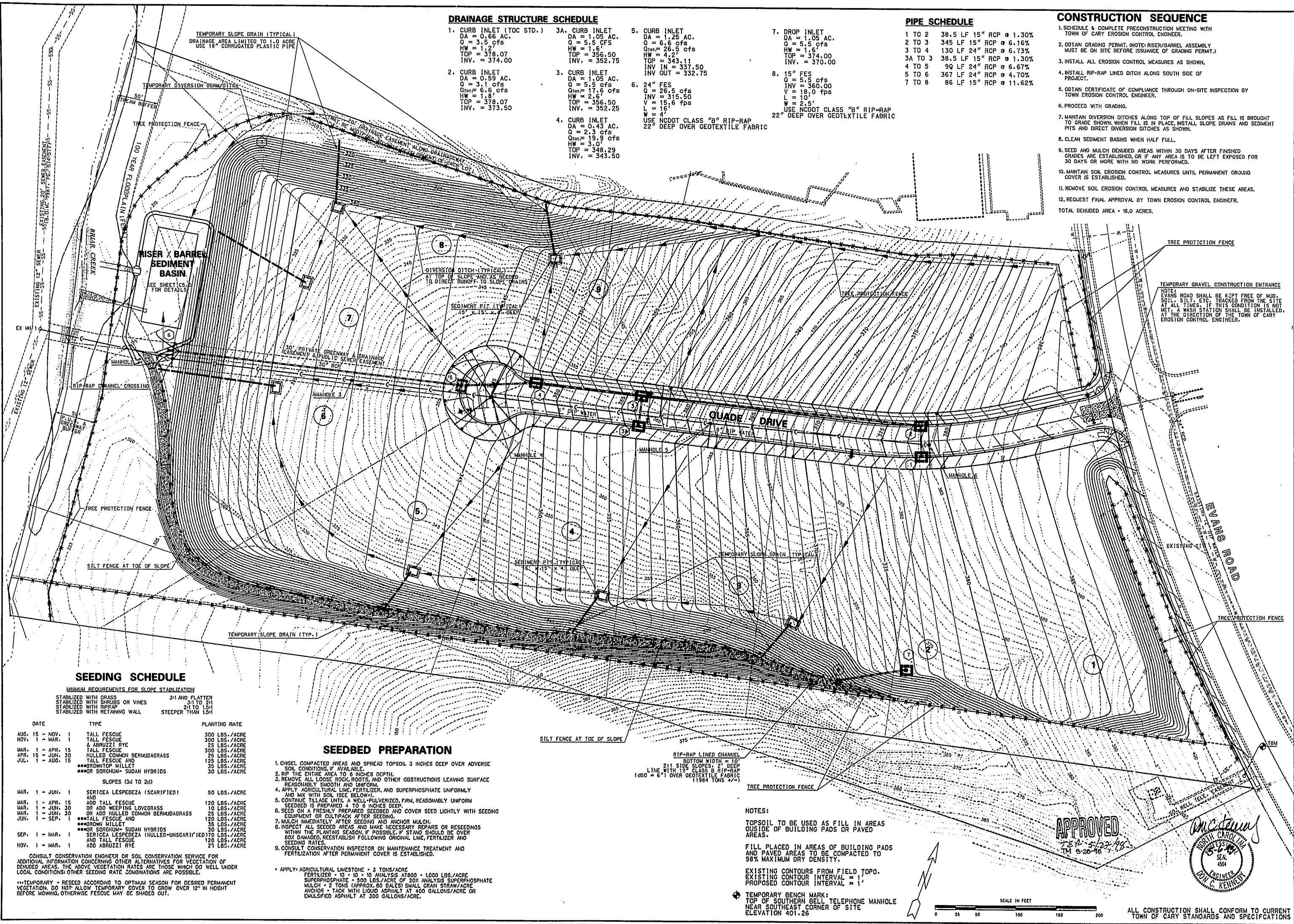
**PIPE SCHEDULE**

- TO 2 38.5 LF 15" RCP @ 1.30%
- TO 3 345 LF 15" RCP @ 6.16%
- TO 4 130 LF 24" RCP @ 6.73%
- TO 3 38.5 LF 15" RCP @ 1.30%
- TO 5 99 LF 24" RCP @ 6.67%
- TO 6 367 LF 24" RCP @ 4.70%
- TO 8 86 LF 15" RCP @ 11.62%

**CONSTRUCTION SEQUENCE**

- SCHEDULE & COMPLETE PRECONSTRUCTION MEETING WITH TOWN OF CARY EROSION CONTROL ENGINEER.
- OBTAIN GRADING PERMIT. (NOTE: RISER/BARREL ASSEMBLY MUST BE ON SITE BEFORE ISSUANCE OF GRADING PERMIT.)
- INSTALL ALL EROSION CONTROL MEASURES AS SHOWN.
- INSTALL RIP-RAP LINED DITCH ALONG SOUTH SIDE OF PROJECT.
- OBTAIN CERTIFICATE OF COMPLIANCE THROUGH ON-SITE INSPECTION BY TOWN EROSION CONTROL ENGINEER.
- PROCEED WITH GRADING.
- MAINTAIN DIVERSION DITCHES ALONG TOP OF FILL SLOPES AS FILL IS BROUGHT TO GRADE SHOWN. WHEN FILL IS IN PLACE, INSTALL SLOPE DRAINS AND SEDIMENT PITS AND DIRECT DIVERSION DITCHES AS SHOWN.
- CLEAN SEDIMENT BASINS WHEN HALF FULL.
- SEED AND MULCH DENUDEED AREAS WITHIN 30 DAYS AFTER FINISHED GRADES ARE ESTABLISHED, OR IF ANY AREA IS TO BE LEFT EXPOSED FOR 30 DAYS OR MORE WITH NO WORK PERFORMED.
- MAINTAIN SOIL EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
- REMOVE SOIL EROSION CONTROL MEASURES AND STABILIZE THESE AREAS.
- REQUEST FINAL APPROVAL BY TOWN EROSION CONTROL ENGINEER.

TOTAL DENUDEED AREA = 16.0 ACRES.



**SEEDING SCHEDULE**

MINIMUM REQUIREMENTS FOR SLOPE STABILIZATION  
STABILIZED WITH GRASS 3:1 AND FLATTER  
STABILIZED WITH SHRUBS OR VINES 3:1 TO 2:1  
STABILIZED WITH RIP-RAP 2:1 TO 1.5:1  
STABILIZED WITH RETAINING WALL STEEPER THAN 1.5:1

DATE	TYPE	PLANTING RATE
AUG. 15 - NOV. 1	TALL FESCUE	300 LBS./ACRE
NOV. 1 - MAR. 1	TALL FESCUE	300 LBS./ACRE
	4 ABRUZZI RYE	25 LBS./ACRE
MAR. 1 - APR. 15	TALL FESCUE	300 LBS./ACRE
APR. 15 - JUN. 30	HULLED COMMON BERMUDAGRASS	25 LBS./ACRE
JUL. 1 - AUG. 15	TALL FESCUE AND ***OR SORGHUM- SUDAN HYBRIDS	125 LBS./ACRE 30 LBS./ACRE
MAR. 1 - JUN. 1	SERICEA LESPEDEZA (SCARIFIED) AND	50 LBS./ACRE
MAR. 1 - APR. 15	ADD TALL FESCUE	120 LBS./ACRE
MAR. 1 - JUN. 30	OR ADD WEEPING LOVEGRASS	10 LBS./ACRE
MAR. 1 - JUN. 30	OR ADD HULLED COMMON BERMUDAGRASS	25 LBS./ACRE
JUN. 1 - SEP. 1	***TALL FESCUE AND ***OR SORGHUM- SUDAN HYBRIDS	120 LBS./ACRE 30 LBS./ACRE
SEP. 1 - MAR. 1	SERICEA LESPEDEZA (HULLED-UNSCARIFIED) AND TALL FESCUE	125 LBS./ACRE 25 LBS./ACRE
NOV. 1 - MAR. 1	ADD ABRUZZI RYE	25 LBS./ACRE

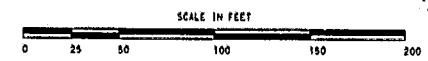
**SEEDBED PREPARATION**

- CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3 INCHES DEEP OVER ADVERSE SOIL CONDITIONS IF AVAILABLE.
  - RIP THE ENTIRE AREA TO 6 INCHES DEPTH.
  - REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
  - APPLY AGRICULTURAL LIME, FERTILIZER, AND SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL (SEE BELOW).
  - CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM, REASONABLY UNIFORM SEEDBED IS PREPARED 4 TO 6 INCHES DEEP.
  - SEED ON A FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK AFTER SEEDING.
  - MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
  - INSPECT ALL SEEDBED 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.
  - CONSULT CONSERVATION INSPECTOR ON MAINTENANCE TREATMENT AND FERTILIZATION AFTER PERMANENT COVER IS ESTABLISHED.
- APPLY: AGRICULTURAL LIMESTONE - 3 TONS/ACRE  
FERTILIZER - 10 - 10 - 10 ANALYSIS AT 800 - 1,000 LBS./ACRE  
SUPERPHOSPHATE - 800 LBS./ACRE OF 20% ANALYSIS SUPERPHOSPHATE  
MULCH - 2 TONS (APPROX. 80 BALES) SMALL GRASS STRAW/ACRE  
ANCHOR - TACK WITH LIQUID ASPHALT AT 400 GALLONS/ACRE OR EMULSIFIED ASPHALT AT 300 GALLONS/ACRE.

APPROVED  
7.8.2018  
TM 5-20-18



NOTES:  
TOPSOIL TO BE USED AS FILL IN AREAS OUTSIDE OF BUILDING PADS OR PAVED AREAS.  
FILL PLACED IN AREAS OF BUILDING PADS AND PAVED AREAS TO BE COMPACTED TO 98% MAXIMUM DRY DENSITY.  
EXISTING CONTOURS FROM FIELD TOPO.  
EXISTING CONTOUR INTERVAL = 1'  
PROPOSED CONTOUR INTERVAL = 1'  
TEMPORARY BENCH MARK: TOP OF SOUTHERN BELL TELEPHONE MANHOLE NEAR SOUTHEAST CORNER OF SITE ELEVATION 401.26



ALL CONSTRUCTION SHALL CONFORM TO CURRENT TOWN OF CARY STANDARDS AND SPECIFICATIONS