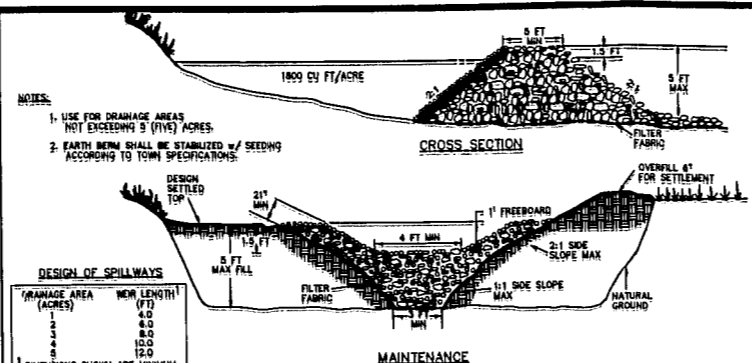


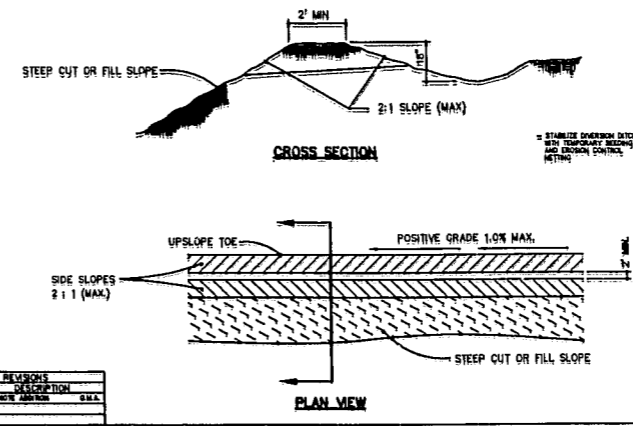
STANDARD TEMPORARY SILT FENCE

STD. No. 4.01



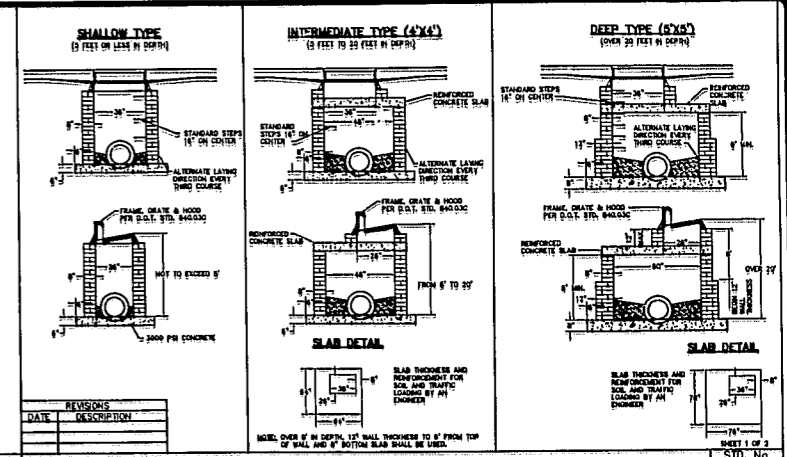
GRAVEL & RIP RAP FILTER BASIN

STD. No. 4.03



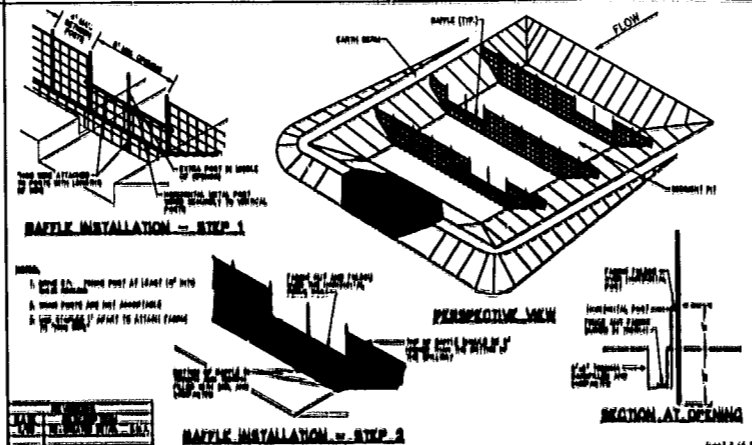
DIVERSION DITCH

STD. No. 4.09



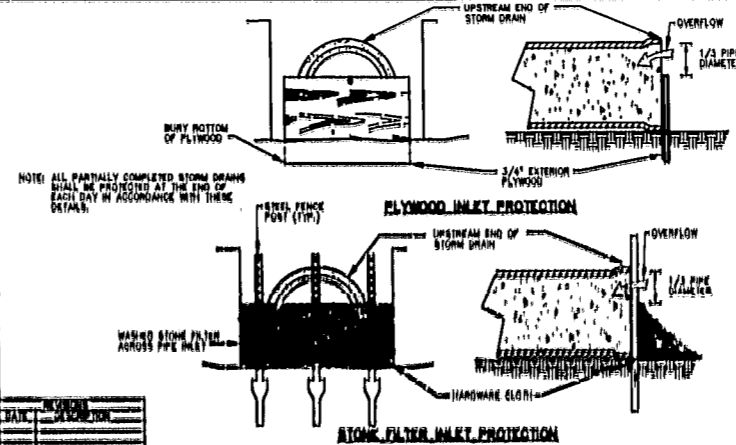
CONCRETE BLOCK OR BRICK CATCH BASIN

STD. No. 8.03



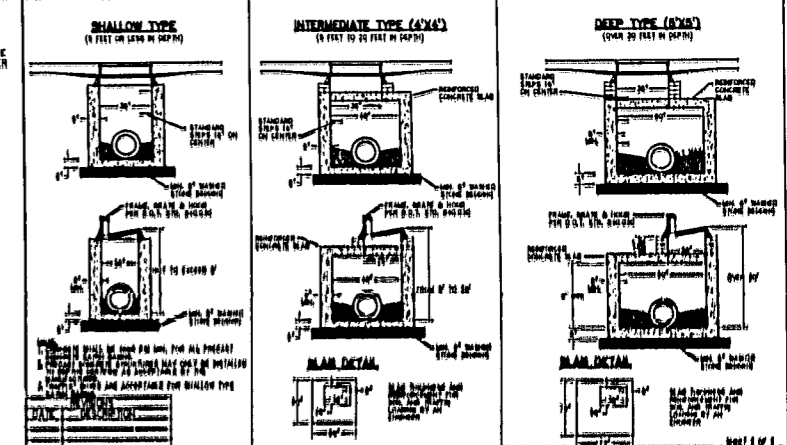
GRAVEL & RIP RAP FILTER BASIN

STD. No. 4.03



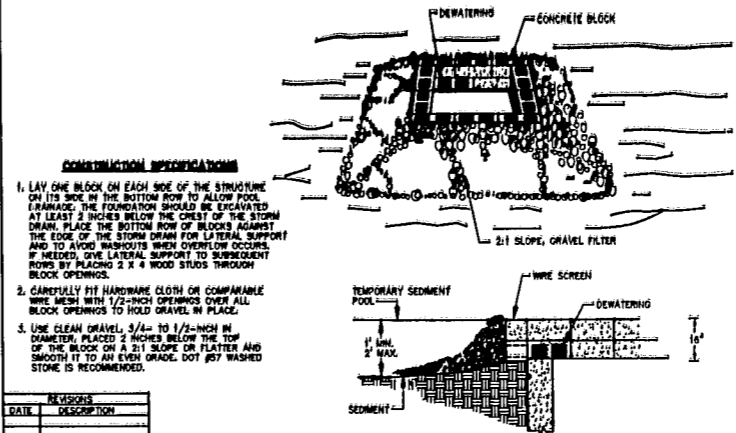
PIPE INLET PROTECTION (PLYWOOD AND STONE)

STD. No. 4.12



PRECAST CONCRETE CATCH BASIN

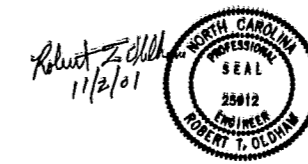
STD. No. 8.03



BLOCK AND GRAVEL DROP INLET PROTECTION

STD. No. 4.13

APPROVED
TOWN OF CARY
Date 11/13/01
Date 12/18/01
Date 12/18/01



SEEDING PREPARATION

- 1) Chisel compacted area and spread topsoil 3 inches deep over adverse soil conditions, if available.
- 2) Rip the entire area to a 6 inch depth.
- 3) Remove all loose rocks, 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 a well-aerated, firm, reasonably uniform seedbed is prepared 4 to 5 inches deep.
- 6) Seed a freshly prepared seedbed and cover seed lightly with seeding equipment or mulch after seeding.
- 7) Mulch immediately after seeding and anchor mulch.
- 8) Inspect all seeded areas and make necessary repairs or reseedings within the seeding season, if possible. If a stand should be over 80% damaged, reestablish following original time, fertilizer and seeding rates.
- 9) Consult Conservation Inspector on maintenance treatment and fertilization after permanent cover is established.

* Apply: Agricultural Limestone = 2 Tons/Acre (3 Ton per Acre on clay soils)
Fertilizer = 1000 lbs./acre = 10-10-10
Superphosphate = 500 lbs./acre = 20%
Mulch = 2 Tons/Acre = small grain straw
Anchor = Asphalt Emulsion @ 300 gal. acre

SEEDING SCHEDULE

SHOULDERS, SIDE DITCHES, SLOPES (max. 3:1)

DATE	TYPE	PLANTING RATE
Aug 15 - Nov 1	Tall Fescue	300 lbs/acre
Nov 1 - Mar 1	Tall Fescue & Abruzzi Ryegrass	300 lbs/acre
Mar 1 - Apr 15	Tall Fescue	300 lbs/acre
Apr 15 - June 30	Hulled Common Bermudagrass	25 lbs/acre
July 15 - Aug 15	Tall Fescue and *** Brometop Millet *** of Sorghum-Sudan Hybrids	35 lbs/acre
Mar 1 - June 1	Seeded Lepadista (scarified) and ADD Tall Fescue	50 lbs/acre 120 lbs/acre
Mar 1 - June 30	ADD Weeping Lovegrass or ADD Hulled Common Bermudagrass	10 lbs/acre 25 lbs/acre
June 1 - Sep 1	*** Tall Fescue and *** Brometop Millet *** of Sorghum-Sudan Hybrids	120 lbs/acre 35 lbs/acre 30 lbs/acre
Sep 1 - Mar 1	Seeded Lepadista (unhulled-unscarified) and Tall Fescue	70 lbs/acre 120 lbs/acre
Nov 1 - Mar 1	ADD Abruzzi Ryegrass	25 lbs/acre

Consult Erosion Control Engineer or Soil Conservation Service for additional information concerning other alternatives for vegetation of denuded areas. The above vegetation rates are those which do well under local conditions; other seeding rate combinations are possible.

*** Temporary = Reseed according to optimum season for desired permanent vegetation. Do not allow temporary cover to grow over 12 inches in height before mowing, otherwise fescue may be shaded out.

- CONSTRUCTION SEQUENCE**
- 1) Obtain Grading Permit.
 - 2) Install all erosion control measures as shown.
 - 3) Obtain Certificate of Compliance through on-site inspection by Town Erosion Control Engineer.
 - 4) Proceed with grading.
 - 5) Clear sediment basins when half full.
 - 6) Seed and mulch denuded area within 30 days after finished grades are established.
 - 7) Maintain all erosion control measures until permanent ground cover is established.
 - 8) Request final approval by Town Erosion Control Engineer.
 - 9) Remove all erosion control measures and stabilize these areas.

WITHERS & RAVENEL Engineering & Surveying, Inc.
111 MacKenan Drive - Cary, N.C. 27511
919-469-3340 FAX 919-467-6006

Revisions	No.	Description	Date	By
1	100-1st REVIEW COMMENTS	8/7/01	J.R.	
2	100-2ND REVIEW COMMENTS	9/17/01	J.R.	
3	100-3rd REVIEW COMMENTS	10/21/01	J.R.	

CARY PARK PARCEL SF-11c PHASE 1
CARY PARK P.U.D.

EROSION CONTROL AND STORM DRAINAGE DETAILS

Designer	Scale	CAD File
W&R	NTS	SH19.Dwg
Drawn By	Date	Sheet No.
JR	07/31/01	9 of 1
Checked By	Job No.	
RTD	201124	