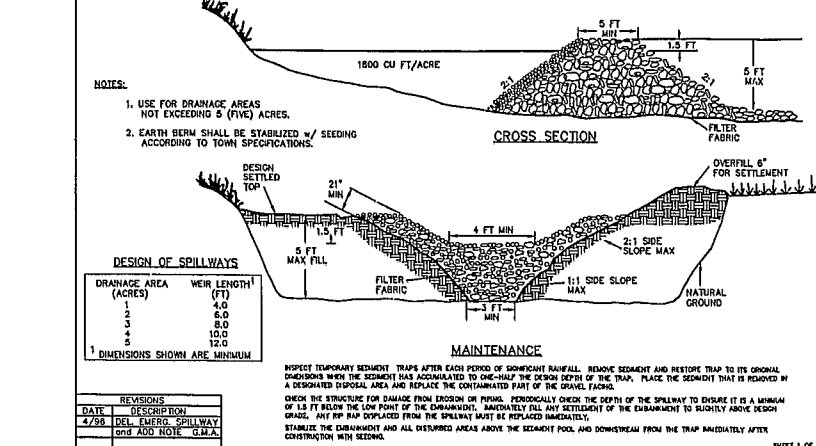


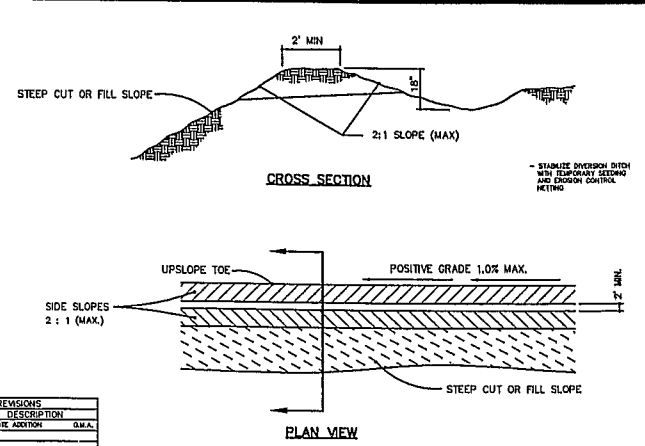
STANDARD TEMPORARY SILT FENCE

REVISIONS	
DATE	DESCRIPTION
12/28/01	NOTE ADDED
12/28/01	REVISIONS FOR EROSION CONTROL
1/27/02	NOTE ADDED
1/28/02	REVISIONS FOR EROSION CONTROL



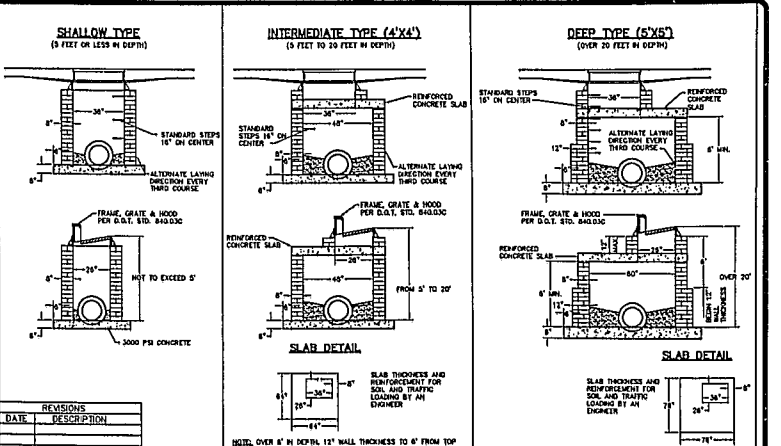
GRAVEL & RIP RAP FILTER BASIN

REVISIONS	
DATE	DESCRIPTION
4/28/02	DEL. CENTER, SPILLWAY
5/28/02	DEL. SIDE SLOPE



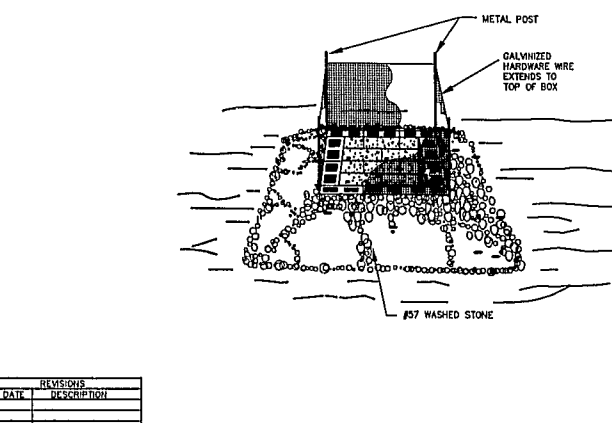
DIVERSION DITCH

REVISIONS	
DATE	DESCRIPTION
1/23/02	NOTE ADDED



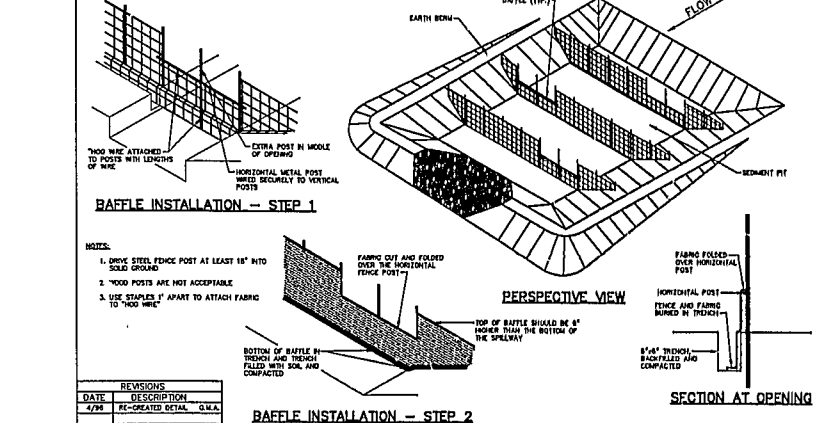
CONCRETE BLOCK OR BRICK CATCH BASIN

REVISIONS	
DATE	DESCRIPTION
1/23/02	NOTE ADDED



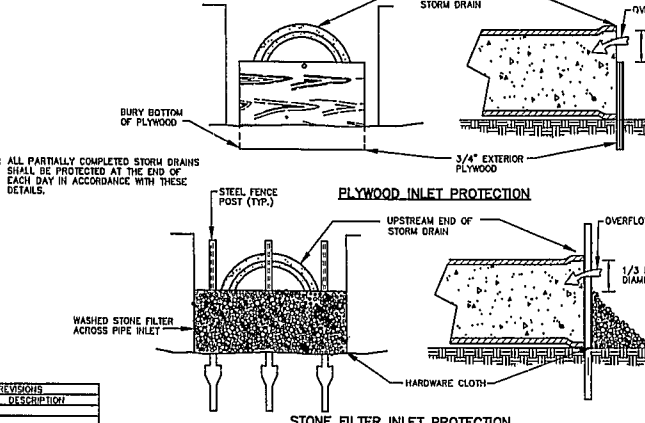
STANDARD CATCH BASIN/YARD INLET PROTECTION

REVISIONS	
DATE	DESCRIPTION
1/23/02	NOTE ADDED



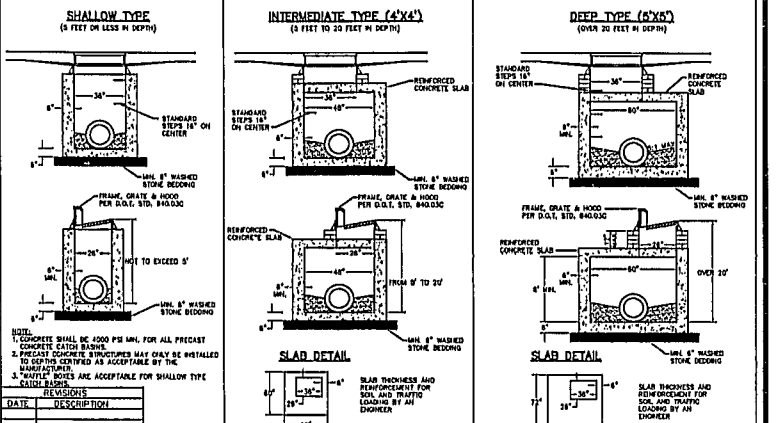
GRAVEL & RIP RAP FILTER BASIN

REVISIONS	
DATE	DESCRIPTION
5/28/02	RE-DESIGNED DETAIL



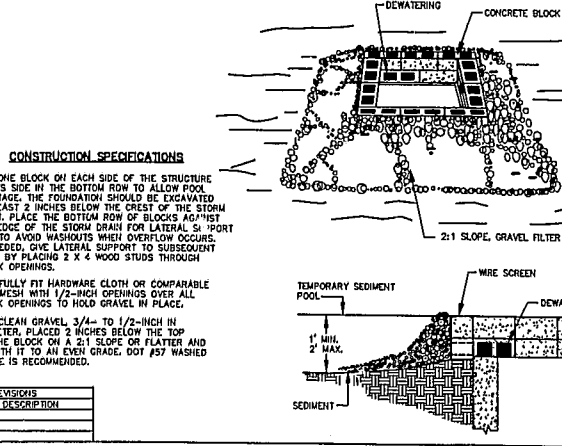
PIPE INLET PROTECTION (PLYWOOD AND STONE)

REVISIONS	
DATE	DESCRIPTION
1/23/02	NOTE ADDED



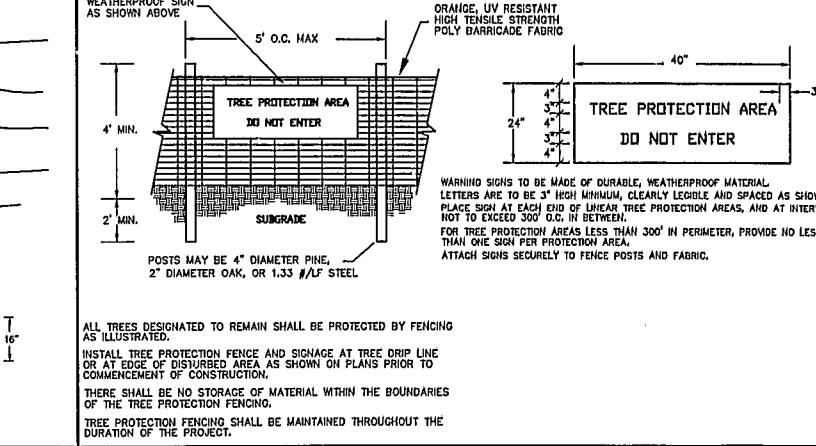
PRECAST CONCRETE CATCH BASIN

REVISIONS	
DATE	DESCRIPTION
1/23/02	NOTE ADDED



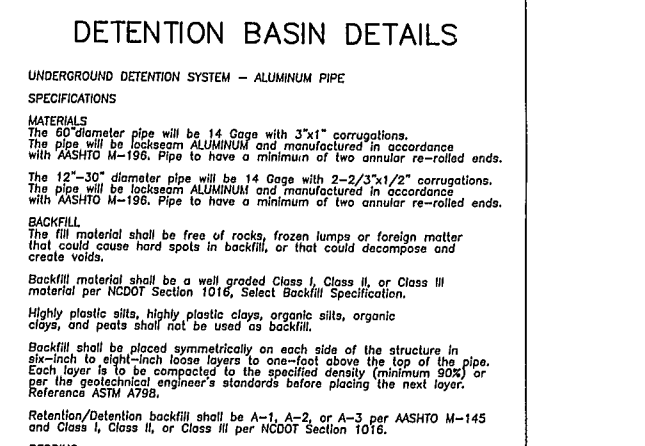
BLOCK AND GRAVEL DROP INLET PROTECTION

REVISIONS	
DATE	DESCRIPTION
1/23/02	NOTE ADDED



TREE PROTECTION FENCE

REVISIONS	
DATE	DESCRIPTION
5/28/02	RE-DESIGNED DETAIL



DETENTION BASIN DETAILS

REVISIONS	
DATE	DESCRIPTION
1/23/02	NOTE ADDED

SEEDING 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 rocks, roots and other obstructions leaving surfaces 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 5 inches deep.
- Seed a freshly prepared seedbed and cover seed lightly with seedling equipment or soilpusher after seeding.
- Mulch immediately after seeding and anchor mulch.
- Inspect all seeded areas and make necessary repairs or reseedings within the planting season. If possible, if seed should be over 60% damaged, reestablish following original line, fertilizer and seeding rates.
- 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 = 80%
 Mulch = 2 Tons/Acre = small grain straw
 Anchor = Asphalt Emulsion @ 500 gal./acre

SEEDING SCHEDULE

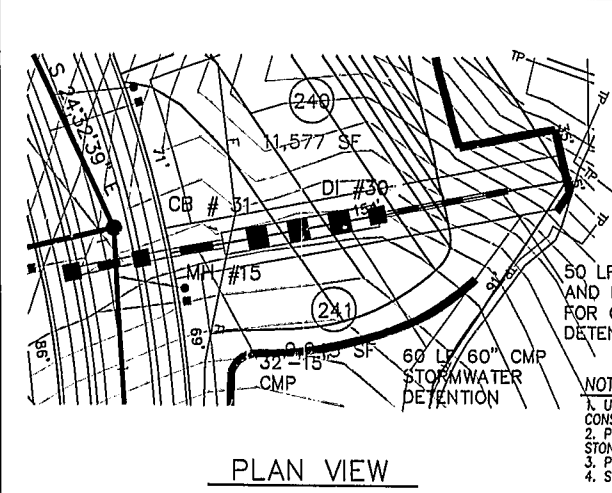
DATE	TYPE	PLANTING RATE
Aug 15 - Nov 1	Tall Fescue	300 lbs/acre
Nov 1 - Mar 1	Tall Fescue & Abruzzi Ryegrass	300 lbs/acre
Mar 1 - Apr 15	Tall Fescue	300 lbs/acre
Apr 15 - June 30	Mulched Common Bermudagrass	35 lbs/acre
July 15 - Aug 15	*** Browntop Millet *** or Sorghum-Sudan Hybrids	35 lbs/acre
Mar 1 - June 1	Service Lespedeza (scarified) and Tall Fescue	50 lbs/acre
Mar 1 - Apr 15	ADD Tall Fescue	120 lbs/acre
Mar 1 - June 30	ADD Weeping Lovegrass	10 lbs/acre
Mar 1 - June 30	ADD Mulched Common Bermudagrass	25 lbs/acre
June 1 - Sep 1	*** Tall Fescue and *** Browntop Millet *** or Sorghum-Sudan Hybrids	120 lbs/acre 35 lbs/acre 30 lbs/acre
Sep 1 - Mar 1	Service Lespedeza (unmulched-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 degraded areas. The above vegetation rates are those which do well under local conditions; other seeding rate combinations are possible.

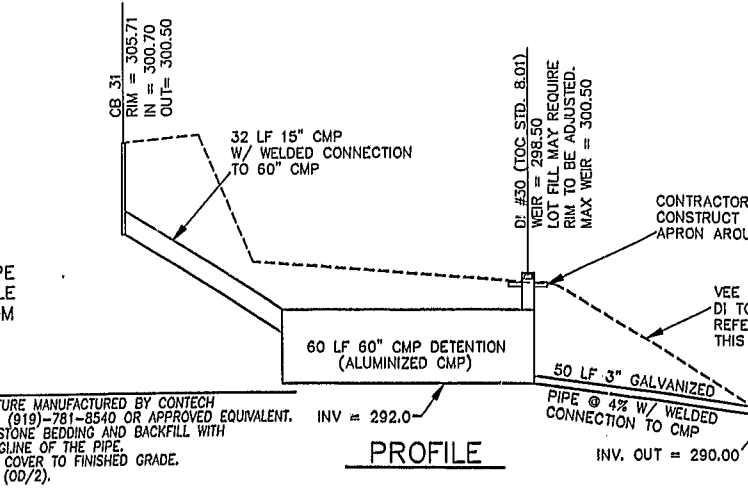
*** Temporary = Reseed according to optimum season for desired permanent vegetation. Do not allow temporary cover to grow over 12 inches in height before mowing; otherwise fescue may be shaded out.

CONSTRUCTION SEQUENCE

- Obtain grading permits.
- Install all erosion control measures as shown.
- Obtain Certificate of Compliance through on-site inspection by Town Erosion Control Engineer.
- Proceed with grading.
- Clean sediment basins when half full.
- Seed and mulch denuded areas within 30 days after finished grades are established.
- Mulch and soil erosion control measures until permanent ground cover is established.
- Request final approval by Town Erosion Control Engineer.
- Remove soil erosion control measures and stabilize these areas.



PLAN VIEW



PROFILE



WITHERS & RAVENEL Engineering & Surveying, Inc.
 111 MacKenan Drive - Cary, N.C. 27511
 919-469-3340 FAX 919-467-6008

No.	Description	Date	By
A	10% PRELIMINARY REVIEW COMMENTS	6/26/01	GAS
B	10% PRELIMINARY REVIEW COMMENTS	7/23/01	GAS
C	10% PRELIMINARY REVIEW COMMENTS	8/14/01	GAS
D	10% PRELIMINARY REVIEW COMMENTS	10/5/01	GAS

CARY PARK PARCEL SF-8a
 CARY PARK P.U.D.

EROSION CONTROL AND STORM DRAINAGE DETAILS

01-3A-003
 APPROVED TOWN OF CARY

Designer	W&R	Scale	NTS	CAD File	SHT7.DWG
Drawn	OAS	Date	5/2/01	Sheet No.	7 of 7
Checked By	JFC	Job No.	201135		

DRG 9/13/01 Date
 Planning 12/22 Date 10/10/01
 844: TS DATE 10/10/01

K:\0101-13001\130139\SR7.DWG, 10/05/2001 11:20:01 AM, WITHERS & RAVENEL ENGINEERING & SURVEYING