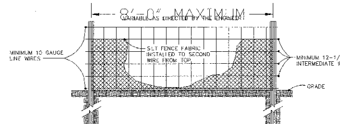
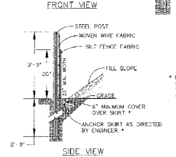
STANDARD TEMPORARY SILT FENCE





NOTE:

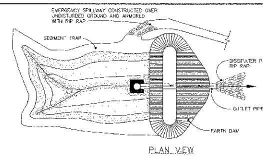
USE SILT FENCE ONLY WHEN DRAINAGE AREA DOES NOT EXCEED 1/4 ACRE AND NEVER IN AREAS OF CONCENTRATED FLOW.

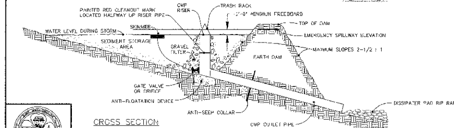
* FOR REPAIR OF SILT FENCE FAILURES, USE No. 57 WASHED STONE FOR ANCHOR WHEN SILT FENCE IS PROTECTING CATCH BASIN.

EFFECTIVE: 07/01/04 | DETAIL No. 04000.01 SHEET 1 OF 1

STANDARD RISER-BARREL SEDIMENT BASIN (WITH SKIMMER)

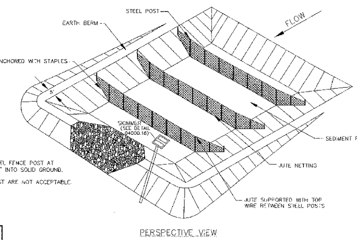
	DIMENSIONS	ELEV.
EMERGENCY SPILLWAY		
TOP OF DAM WIDTH		
ANTI-SEEP COLLAR		
RIP RAP DISSIPATER PAD		
ANTI-FLOATATION DEVICE		
TOP OF RISER		
OUTLET PIPE INVERT IN		
OUTLET PIPE INVERT OUT		
SEDIMENT STORAGE AREA		





EFFECTIVE: 07/01/04 | DETAIL No. 04000.02 SHEET 1 OF 1

STANDARD GRAVEL & RIP RAP FILTER BASIN

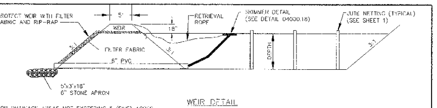


NOTES:

1. DRIVE STEEL FENCE POST AT LEAST 18" INTO SOLID GROUND.
2. WOOD POST ARE NOT ACCEPTABLE.

EFFECTIVE: 07/01/04 | DETAIL No. 04000.03 SHEET 1 OF 2

STANDARD GRAVEL & RIP RAP FILTER BASIN



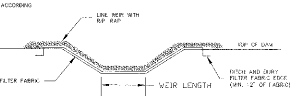
NOTES:

1. USE FOR DRAINAGE AREAS NOT EXCEEDING 5 (FIVE) ACRES.
2. EARTH BERM SHALL BE STABILIZED w/SEEDING ACCORDING TO TOWN SPECIFICATIONS.

DESIGN OF SPILLWAYS

DRAINAGE AREA (ACRES)	WEIR LENGTH[1] (FT)
1	4.0
2	6.0
3	8.0
4	10.0
5	12.0

[1] DIMENSIONS SHOWN ARE MINIMUM



MAINTENANCE:

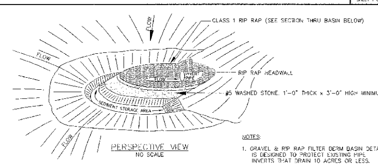
INSPECT TEMPORARY SEDIMENT TRAPS AND EMPTY SKIMMER OF ALL DEBRIS AFTER EACH PERIOD OF SIGNIFICANT RAINFALL. REMOVE SEDIMENT AND RESTORE TRAP TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. PLACE THE SEDIMENT THAT IS REMOVED IN A DESIGNATED DISPOSAL AREA AND REPLACE THE CONTAMINATED PART OF THE GRAVEL FACING.

CHECK THE STRUCTURE FOR DAMAGE FROM EROSION OR PIPING. PERIODICALLY CHECK THE DEPTH OF THE SPILLWAY TO ENSURE IT IS A MINIMUM OF 1.5 FT BELOW THE LOW POINT OF THE EMBANKMENT. IMMEDIATELY FILL ANY SETTLEMENT OF THE EMBANKMENT TO SLIGHTLY ABOVE DESIGN GRADE. ANY RIP RAP DISPLACED FROM THE SPILLWAY MUST BE REPLACED IMMEDIATELY.

STABILIZE THE EMBANKMENT AND ALL DISTURBED AREAS ABOVE THE SEDIMENT POOL AND DOWNSTREAM FROM THE TRAP IMMEDIATELY AFTER CONSTRUCTION WITH SEEDING.

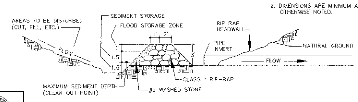
EFFECTIVE: 07/01/04 | DETAIL No. 04000.03 SHEET 2 OF 2

(EXISTING PIPE INVERTS) GRAVEL & RIP RAP FILTER BERM BASIN



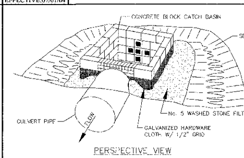
NOTES:

1. GRAVEL & RIP RAP FILTER BERM BASIN DETAIL IS DESIGNED TO PROTECT EXISTING PIPE INVERTS THAT DRAIN 10 ACRES OR LESS.
2. DIMENSIONS ARE MINIMUM ACCEPTABLE UNLESS OTHERWISE NOTED.



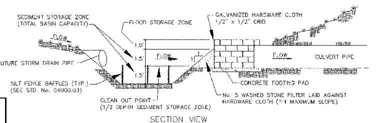
EFFECTIVE: 07/01/04 | DETAIL No. 04000.04 SHEET 1 OF 1

CATCH BASIN RISER/FILTER



NOTES:

1. AT END OF PROJECT, CATCH BASIN CAN BE RAISED AS NEEDED PLUGGING OPEN COURSE OF BLOCK WITH MORTAR.
2. RISER CAN BE BUILT AS A STANDARD CATCH BASIN/JUNCTION BOX (WITH WEEP HOLES) IN RECEIVING WALL AND BE UTILIZED AS SUCH WHEN PROJECT IS STABLE.
3. IF DRAINAGE AREA IS OVER 5 ACRES THEN THIS STRUCTURE NEEDS TO BE TREATED AS A RISER STRUCTURE AND ALL RELATED INFORMATION NEEDS TO BE SUPPLIED (TRASH RACK, ELEVATIONS, ETC...).



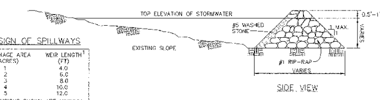
EFFECTIVE: 07/01/04 | DETAIL No. 04000.05 SHEET 1 OF 1

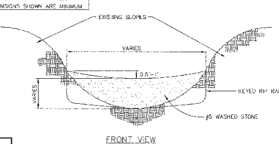
STANDARD CHECK DAM

DESIGN OF SPILLWAYS

DRAINAGE AREA (ACRES)	WEIR LENGTH[1] (FT)
1	4.0
2	6.0
3	8.0
4	10.0
5	12.0

[1] DIMENSIONS SHOWN ARE MINIMUM





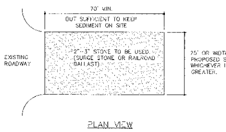
NOTE:

HEIGHT & WIDTH DETERMINED BY EXISTING TOPOGRAPHY AND SEDIMENT STORAGE REQUIRED.

KEY RIP RAP INTO THE DAM FOR STABILIZATION.

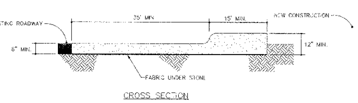
EFFECTIVE: 07/01/04 | DETAIL No. 04000.06 SHEET 1 OF 1

STANDARD CONSTRUCTION ENTRANCE



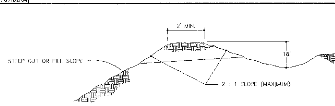
NOTES:

1. PUT SILT FENCE OR TREE PROTECTION FENCE UP TO ENSURE CONSTRUCTION ENTRANCE IS USED.
2. IF CONSTRUCTION ON THE SITES ARE SUCH THAT THE MUD IS NOT REMOVED BY THE VEHICLE TRAVELING OVER THE STONE, THEN THE TIRES OF THE VEHICLES MUST BE WASHED BEFORE ENTERING THE PUBLIC ROAD.
3. IF A PROJECT CONTINUES TO PULL MUD AND DEBRIS ON TO THE PUBLIC ROAD, THE TOWN WILL CLEAN THE AREA AND INVOICE THE FINANCIALLY RESPONSIBLE PERSON AS INDICATED ON THE FINANCIAL RESPONSIBILITY FORM. THE MINIMUM FEE THE TOWN OF CARY WILL CHARGE TO CLEAN THE STREETS WILL BE $300 FOR THE FIRST HOUR AND $200 FOR EACH HOUR THEREAFTER.

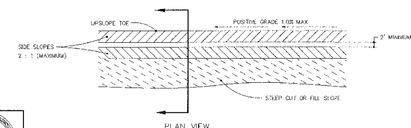


EFFECTIVE: 07/01/04 | DETAIL No. 04000.07 SHEET 1 OF 1

STANDARD DIVERSION DITCH

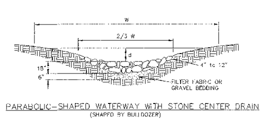


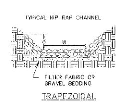
- STABILIZE DIVERSION DITCH WITH TEMPORARY SEEDING AND EROSION CONTROL NETTING.

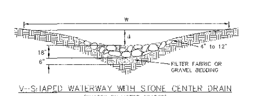


EFFECTIVE: 07/01/04 | DETAIL No. 04000.09 SHEET 1 OF 1

STANDARD RIP-RAP LINED CHANNELS





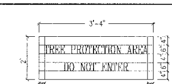


NOTES:

- TO BE USED WHERE EXCESSIVE STORMWATER VELOCITIES PROHIBIT VEGETATIVE LININGS.
- SIZE OF STONE MUST BE DETERMINED BY APPROPRIATE DESIGN PROCEDURE.
- DIMENSIONS FOR d & W VARIES ACCORDING TO DESIGN.

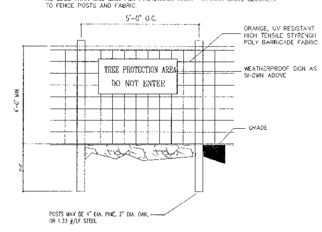
EFFECTIVE: 07/01/04 | DETAIL No. 04000.10 SHEET 1 OF 1

TREE PROTECTION FENCE DETAILS N.T.S.



WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL LETTERS ARE TO BE 3" HIGH MIN., CLEARLY LEGIBLE AND SPACED AS SHOWN ABOVE. PLACE SIGN AT EACH END OF LINEAR TREE PROTECTION AREAS, AND AT INTERVALS NOT TO EXCEED 200' O.C. IN BETWEEN.

FOR TREE PROTECTION AREAS LESS THAN 200' IN PERIMETER, PROVIDE NO LESS THAN ONE SIGN PER PROTECTION AREA. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC.



INSTALL TREE PROTECTION FENCE AND SIGNAGE PRIOR TO CALLING FOR INITIAL ON-SITE INSPECTION BY THE TOWN OF CARY ZONING INSPECTOR.
MAINTAIN TREE PROTECTION FENCE THROUGHOUT DURATION OF PROJECT.
ADDITIONAL SIGNS MAY BE REQUIRED BY TOWN OF CARY INSPECTIONS DEPARTMENT BASED ON ACTUAL FIELD CONDITIONS.

04-SB-028
APPROVED
TOWN OF CARY
Approved by DRC Date 6/13/05
Planning AZ Date 7/11/05
Engineering Date

CHAS. H. SELLS, INC.
Consulting Engineers, Surveyors & Photogrammetrists
15401 Weston Parkway
Suite 100
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Carolina Preserve by Del Webb at Amberly
Phase 1
Cary, NC
GS Carolina
3412 1/2 Hillsboruogh St.
Raleigh, NC 27607

REVISIONS

PROJECT #: 04-4036 DATE: 4/18/05

DRAWN BY: JE CHECKED BY: DS

TITLE

EROSION DETAILS SHEET 1 OF 2

SHEET

C9.2.0

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