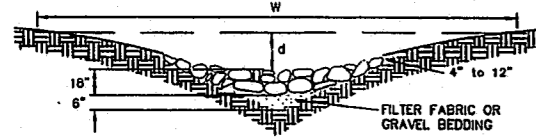
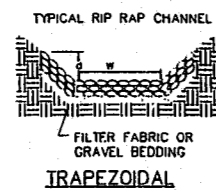


PARABOLIC-SHAPED WATERWAY WITH STONE CENTER DRAIN
(SHAPE BY BULLDOZER)



V-SHAPED WATERWAY WITH STONE CENTER DRAIN
(SHAPE BY MOTOR GRADER)



TYPICAL RIP RAP CHANNEL
TRAPEZOIDAL

NOTE:
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.

REVISIONS	DATE	DESCRIPTION	STD. No.
			4.10

RIP RAP LINED CHANNELS

TABLE 4.1

SHOULDERS, SIDE DITCHES, SLOPES

(Max. 3:1)

DATE	TYPE	PLANTING RATE
August 15 - November 1	Tall Fescue	300 lbs/acre
November 1 - March 1	Tall Fescue and Abruzzi Rye	300 lbs/acre
March 1 - April 15	Tall Fescue	300 lbs/acre
April 15 - June 30	Hulled Common Bermudagrass	25 lbs/acre
July 15 - August 15	Tall Fescue and ***Browntop Millet	35 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 moving, otherwise fescue may be shaded out.

TABLE 4.2

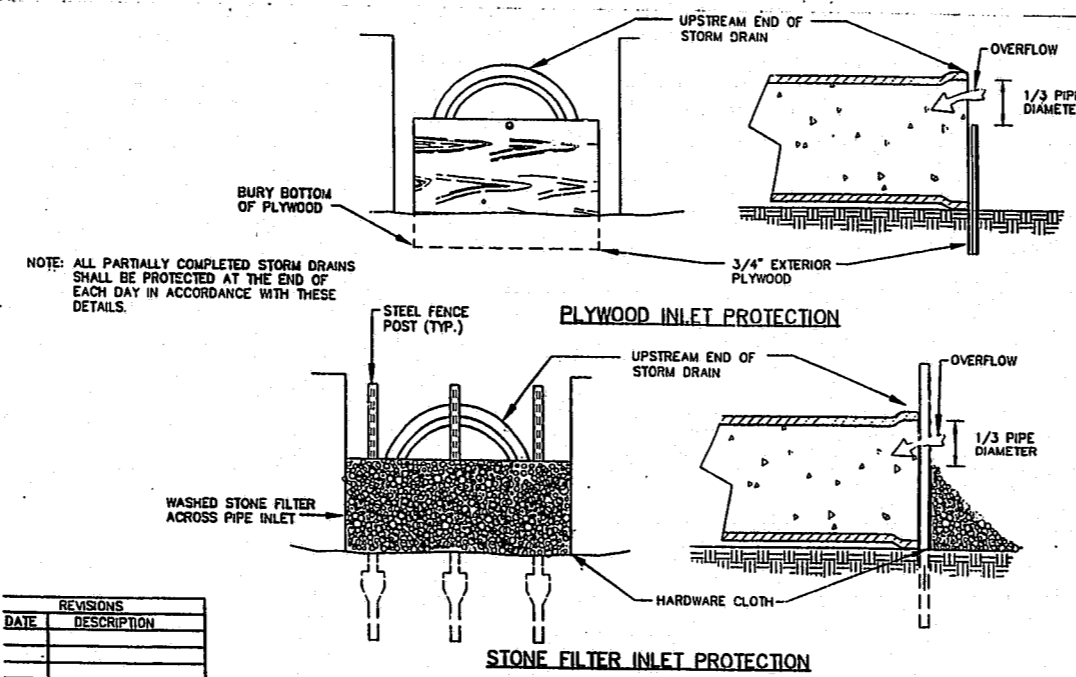
SHOULDERS, SIDE DITCHES, SLOPES

Slopes (3:1 to 2:1)

DATE	TYPE	PLANTING RATE
March 1 - June 1	Sericea Lespedeza (scarified)	50 lbs/acre
March 1 - April 15	Add Tall Fescue	120 lbs/acre
March 1 - June 30	Add Weeping Lovegrass	10 lbs/acre
March 1 - June 30	Add Hulled Common Bermudagrass	25 lbs/acre
June 1 - September 1	***Tall Fescue and ***Browntop Millet ***or Sorghum-Sudan Hybrids	120 lbs/acre 25 lbs/acre 30 lbs/acre
September 1 - March 1	Sericea Lespedeza (unhulled-Unscarified) and Tall Fescue Add Abruzzi Rye	70 lbs/acre 120 lbs/acre 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.



REVISIONS	DATE	DESCRIPTION	STD. No.
			4.12

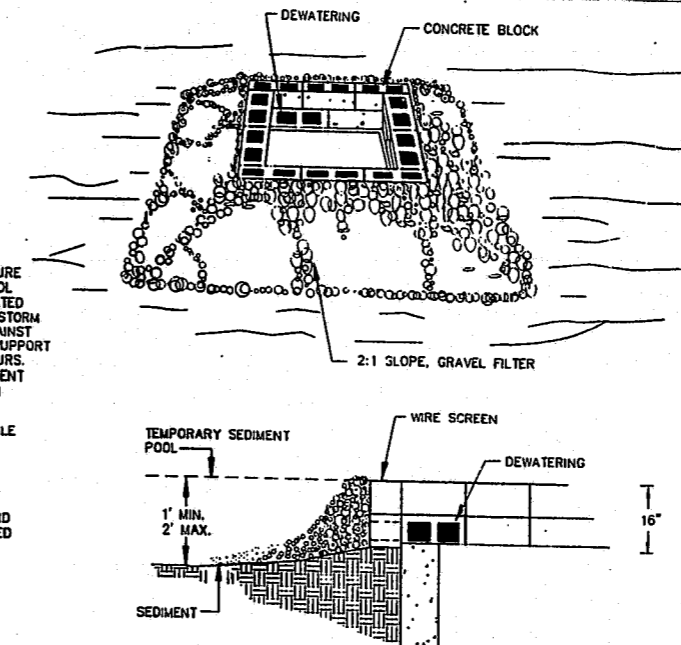
PIPE INLET PROTECTION (PLYWOOD AND STONE)

CONSTRUCTION SPECIFICATIONS

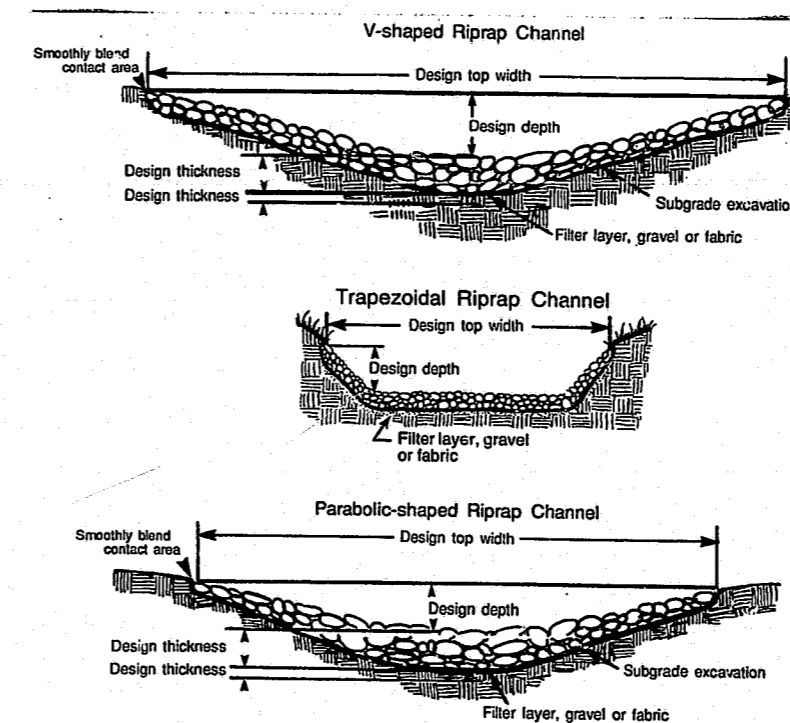
- LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE IN THE BOTTOM ROW TO ALLOW POOL DRAINAGE. THE FOUNDATION SHOULD BE EXCAVATED AT LEAST 2 INCHES BELOW THE CREST OF THE STORM DRAIN. PLACE THE BOTTOM ROW OF BLOCKS AGAINST THE EDGE OF THE STORM DRAIN FOR LATERAL SUPPORT AND TO AVOID WASHOUTS WHEN OVERFLOW OCCURS. IF NEEDED, GIVE LATERAL SUPPORT TO SUBSEQUENT ROWS BY PLACING 2 X 4 WOOD STUDS THROUGH BLOCK OPENINGS.
- CAREFULLY FIT HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2-INCH OPENINGS OVER ALL BLOCK OPENINGS TO HOLD GRAVEL IN PLACE.
- USE CLEAN GRAVEL 3/4- TO 1/2-INCH IN DIAMETER, PLACED 2 INCHES BELOW THE TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER AND SMOOTH IT TO AN EVEN GRADE. DOT #57 WASHED STONE IS RECOMMENDED.

REVISIONS	DATE	DESCRIPTION

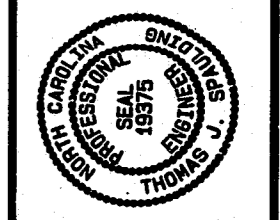
BLOCK AND GRAVEL DROP INLET PROTECTION



REVISIONS	DATE	DESCRIPTION	STD. No.
			4.13



REVISION	DATE
1	
2	
3	
4	
5	



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PREPARED FOR: NEW ARCHITECTS
DATE: Oct. 1, 1997
PROJECT NO.: 2-9701
DESIGNED BY: T.J.S. & M.L.L.
DRAWN BY: M.L.L.
APPROVED BY: T.J.S.

EROSION CONTROL DETAILS
DRAWING SHEET
E2

97-SP-082
APPROVED
TEJ 6/17/97
TM 6-17-97