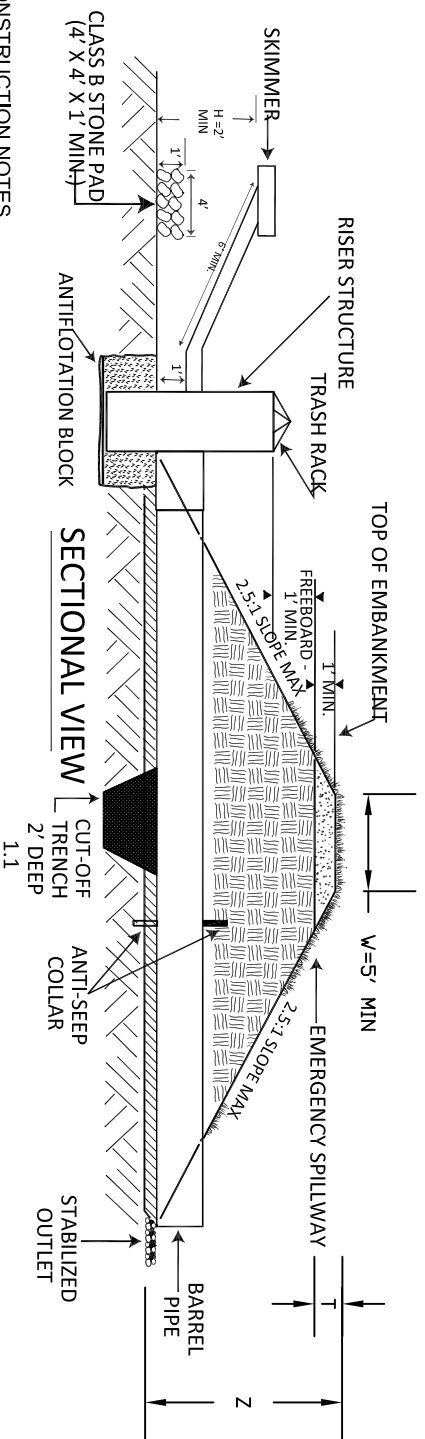
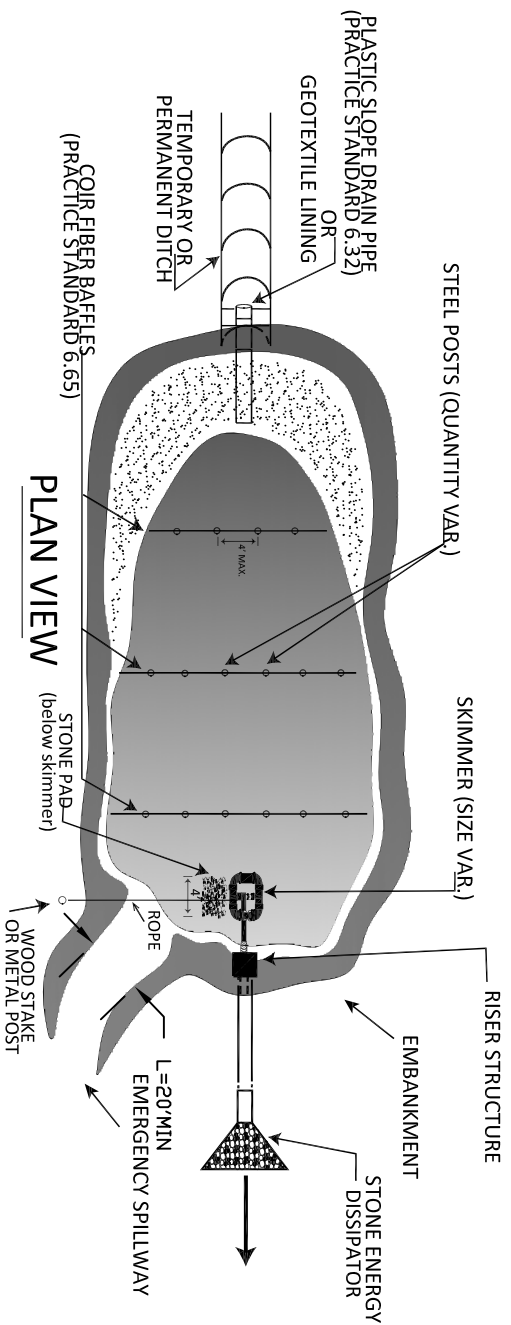


- NOTES:
1. REFER TO NCDENR PLANNING AND DESIGN MANUAL SECTION #6.61 FOR ADDITIONAL DESIGN SPECIFICATIONS REGARDING SEDIMENT BASINS.
  2. MINIMUM SURFACE AREA REQUIRED IS 435 SQ FT PER CFS Q10.
  3. USE FOR DRAINAGE AREA GREATER THAN 10 (TEN) ACRES AND NOT EXCEEDING 100 (ONE HUNDRED) ACRES.



- CONSTRUCTION NOTES
1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR AND EXTERIOR SIDESLOPES.
  2. INSTALL A MINIMUM OF 3 COIR FIBER BAFFLES IN ACCORDANCE WITH PRACTICE STANDARD 6.65.
  3. INSTALL SKIMMER AND COUPLING TO RISER STRUCTURE OR DIRECTLY INTO EMBANKMENT 1 FT. FROM BOTTOM OF BASIN.
  4. THE ARM PIPE SHALL HAVE A MINIMUM LENGTH OF 6 FT. BETWEEN THE SKIMMER AND COUPLING.
  5. IF THE SEDIMENT BASIN WITH RISER PIPE IS TO PERMANENTLY REMAIN, PLEASE EXERCISE CAUTION IN THE CONSTRUCTION OF THE BERM IN REGARDS TO THE PERMEABILITY AND LEAKAGE OF THE BASIN.

## DATA BLOCK

BASIN	DRAINAGE AREA (ACRES)	DENuded AREA (ACRES)	Q <sub>10</sub>	BASIN VOLUME		BASIN SURFACE AREA		CLEANOUT DEPTH (FT.)	H	Z	L	T	W	SKIMMER PIPE ORIFICE DIAMETER	SKIMMER PIPE DIAMETER
				REQUIRED (CUBIC FT.)	PROVIDED (CUBIC FT.)	REQUIRED (SQ FT.)	PROVIDED (SQ FT.)								
								H/2							

REFERENCE: NCDENR PLANNING AND DESIGN MANUAL , MAY 2013.

## REVISIONS

NO.	DATE	DESCRIPTION
1	05/08	PER NCDENR MANUAL
1	01/15	PER NCDENR MANUAL



## SEDIMENT BASIN

## CITY OF MONROE

UNION COUNTY

NORTH CAROLINA

PREPARED BY:

ENGINEERING DEPARTMENT

FILE: I:\Maps-Details\Detail Manual\Details

DRAWN BY: DKO DATE: 04-20-04

CHECKED BY: JNL SCALE: N.T.S.

DETAIL 03.08.01