DETAIL G-2-7  SEDIMENT BASIN SCHEMATIC
VERTICAL DRAW-DOWN DEVICE

TOP OF EMBANKMENT
TRASH RACK ANTI-VOXET
DEVICE

"DRIY"
"WET"
"DRIY"
"WET"
STORAGE
STORAGE

RISER CREST ELEVATION
PERMANENT
POOL ELEVATION
RISER

VERTICAL DRAW-DOWN DEVICE
WITH WATERTIGHT END CAP

PERFORATED PORTION
OF PIPE
EXISTING
GROUND

SEE STONE ANCHOR DETAIL
INTERNAL
ORIFICE
RISER BASE

WRAP PERFORATED
PIPE WITH \( \frac{3}{4} \) IN HARDWARE
CLOTH AND NONWOVEN
GEOTEXTILE.

WASHED \( \frac{3}{4} \) IN TO 1 1/2 IN
STONE OR EQUIVALENT
RECYCLED CONCRETE

STONE ANCHOR DETAIL

ELEVATION
2 FT MIN.

1 FT
MIN.

PERFORATION SPACING

NOTE: THIS DETAIL MAY BE
USED WITH VARIOUS
SPILLWAYS INCLUDING CMP
RISERS, CONCRETE RISERS,
AND WEIR WALLS.

CONSTRUCTION SPECIFICATIONS

1. PERFORATE PIPE WITH 1 INCH DIAMETER PERFORATIONS SPACED 6 INCHES APART LONGITUDINALLY
   AND RADIANLY OR IN ACCORDANCE WITH APPROVED PLAN.

2. DO NOT EXTEND PERFORATIONS IN THE DRAW-DOWN DEVICE INTO WET STORAGE.

3. WRAP THE PERFORATED PORTION OF THE DRAW-DOWN DEVICE FIRST WITH \( \frac{3}{4} \) INCH GALVANIZED
   HARDWARE CLOTH, THEN WITH NONWOVEN GEOTEXTILE. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN
   SECTION H-1 MATERIALS. DO NOT WRAP WITH MORE THAN ONE LAYER OF GEOTEXTILE.

4. AS AN ALTERNATE TO STONE ANCHORING, SECURE DRAW-DOWN DEVICE WITH TWO 1 INCH STEEL
   ANGLES SET 3 FEET MINIMUM INTO THE GROUND ATTACHED TO DRAW-DOWN DEVICE BY A 1 INCH
   WIDE GALVANIZED STEEL STRAP OR 12 GAUGE OR HEAVIER WIRE.

5. REMOVE SEDIMENT WHEN IT ACCUMULATES TO CLEANOUT ELEVATION (50% OF THE WET STORAGE
   DEPTH). DEPOSIT REMOVED SEDIMENT IN AN APPROVED AREA IN SUCH A MANNER THAT IT WILL
   NOT ERODE. MAINTAIN WATER TIGHT CONNECTIONS. REPLACE GEOTEXTILE AROUND PERFORATED RISER
   IF DRY STORAGE VOLUME DOES NOT DRAW DOWN WITHIN 10 HOURS.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

MARYLAND DEPARTMENT OF ENVIRONMENT
WATER MANAGEMENT ADMINISTRATION

2011