

#### CONSTRUCTION SPECIFICATIONS

1. CLEAR THE AREA OF ALL DEBRIS THAT MIGHT HINDER EXCAVATION AND DISPOSAL OF SPOIL.
2. GRADE SHALLOW DEPRESSION UNIFORMLY TOWARDS THE INLET WITH SIDE SLOPES NO GREATER THAN 2:1. GRADE A 1 FOOT WIDE LEVEL AREA SET 4 INCHES BELOW THE AREA ADJACENT TO THE INLET.
3. INSTALL THE CLASS 6 OR CLASS I RIPRAP IN A CIRCLE AROUND THE INLET. THE MINIMUM CREST WIDTH OF THE RIPRAP SHOULD BE 18 INCHES WITH A MINIMUM BOTTOM WIDTH OF 7.5 FEET. THE MINIMUM HEIGHT OF THE STONE IS 2 FEET.
4. THE OUTSIDE FACE OF THE RIPRAP IS THEN LINED WITH 12 INCHES OF NCDOT #5 OR #57 WASHED STONE.

#### MAINTENANCE

INSPECT ROCK DOUGHNUT INLET PROTECTION AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2" OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY.

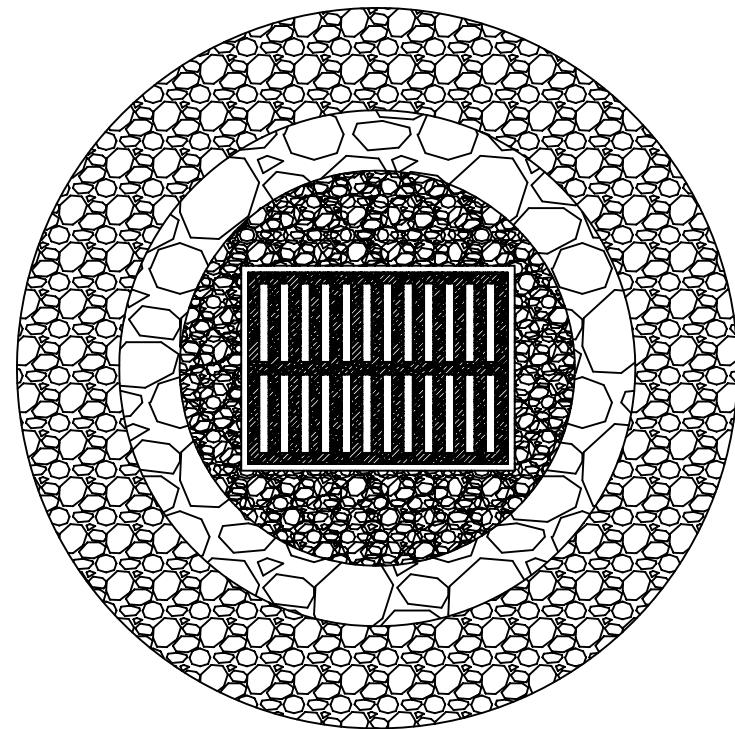
TO PROVIDE SATISFACTORY INLET PROTECTION EFFICIENCY, REMOVE SEDIMENT FROM THE SEDIMENT POOL AREA WHEN THE VOLUME IS DECREASED BY HALF. THIS WILL HELP PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN. STABILIZE EXCAVATED MATERIAL APPROPRIATELY.

TAKE CARE NOT TO DAMAGE OR UNDERCUT THE STRUCTURE DURING SEDIMENT REMOVAL. REMOVE DEBRIS FROM THE INLET AND REPLACE STONE AS NEEDED. IF THE INLET WAS COVERED WITH WIRE MESH THE MESH SHOULD BE CLEANED OF DEBRIS.

WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN ADEQUATELY STABILIZED, REMOVE ALL MATERIALS AND DISPOSE OF SEDIMENT PROPERLY. BRING THE DISTURBED AREA TO THE GRADE OF THE DROP INLET. SMOOTH AND COMPACT AS NEEDED.

APPROPRIATELY STABILIZE ALL BARE AREAS AROUND THE INLET WITH GROUND COVER.

REFERENCE: NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES



#### ROCK DOUGHNUT INLET PROTECTION (TEMPORARY)

**CITY OF MONROE**  
UNION COUNTY  
NORTH CAROLINA  
PREPARED BY:  
ENGINEERING DEPARTMENT

FILE: I:/Maps-Details/Detail Manual/Details  
DRAWN BY: DKO DATE: 05/2008  
CHECKED BY: JNL SCALE: N.T.S.  
DETAIL 03.19.01

REVISIONS		
NO.	DATE	DESCRIPTION