

NOTES:

ANTI-SEEP COLLAR LENGTH ALONG PIPE IS 5 FEET, CONSTRUCTED OF 35 PSI FLOWABLE FILL.

H = THE FILL HEIGHT MEASURED VERTICALLY AT ANY POINT ALONG THE PIPE FROM THE TOP OF PIPE TO THE TOP OF THE EMBANKMENT AT THAT POINT.

SEE ROADWAY STANDARD DRAWING NO.300.01, 1 OF 3, NCDOT, JANUARY 2012 FOR UNSUITABLE MATERIAL FOUNDATION.

DO NOT OPERATE HEAVY EQUIPMENT OVER ANY PIPE CULVERT UNTIL THE PIPE CULVERT HAS BEEN PROPERLY BACKFILLED AND COVERED WITH AT LEAST 3 FEET OF APPROVED MATERIAL.

O.D. = THE MAXIMUM HORIZONTAL OUTSIDE DIAMETER DIMENSION.



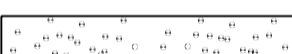

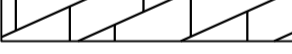
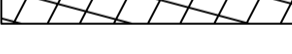
I.D. = THE MAXIMUM HORIZONTAL INSIDE DIAMETER DIMENSION.

RCP = REINFORCED CONCRETE PIPE.

DIP = DUCTILE IRON PIPE.

RCP OR DIP

BRICK OR CONCRETE BLOCK SUPPORT

-  FLOWABLE FILL MATERIAL.
-  SELECT MATERIAL CLASS V OR VI FOR FOUNDATION CONDITIONING. ENCAPSULATE WITH ENGINEERING FABRIC AS DIRECTED BY THE ENGINEER.
-  LOOSELY PLACED SELECT MATERIAL, CLASS III OR CLASS II, TYPE I FOR PIPE BEDDING. LEAVE SECTION DIRECTLY BENEATH PIPE UNCOMPACTED AS PIPE SEATING AND BACKFILL WILL ACCOMPLISH COMPACTION.
-  UNDISTURBED EARTH MATERIAL.
-  BRICK OR CONCRETE BLOCK SUPPORT
-  EARTH MATERIAL

ANTI-SEEP COLLAR



CONTRACT STANDARDS & DEVELOPMENT UNIT
STANDARDS AND SPECIAL DESIGN
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ANTI-SEEP COLLAR

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