

CLASS I EMBEDMENT MATERIAL:

1. CRUSHED STONE – STANDARD GRADE 4:
 - A. 1-1/2" SIEVE – 0% RETAINED
 - B. 1" SIEVE – 0% TO 5% RETAINED
 - C. 1/2" SIEVE – 40% TO 75% RETAINED
 - D. NO. 4 SIEVE – 90% TO 100% RETAINED
 - E. NO. 8 SIEVE – 95% TO 100% RETAINED

2. NATURAL GRAVEL – UNCRUSHED, WASHED STONE WITH NO CLAY OR ORGANICS.
 - A. 1-1/2" SIEVE – 100% PASSING
 - B. 3/4" SIEVE – 100% RETAINED

GENERAL NOTES:

1. FOR THE DEFINITION OF THE BACKFILL MATERIAL TERMS SEE N.C.T.C.O.G. SPECIFICATIONS.
2. FINAL BACKFILL SHALL BE SELECT NATIVE MATERIAL COMPACTED TO THE TOP OF THE SUBGRADE IN 6 INCH LIFTS TO AT LEAST 95 PERCENT OF MAXIMUM DENSITY AS DETERMINED BY ASTM D 698.
3. THE USE OF CEMENT STABILIZED SAND OR FLOWABLE FILL FOR FINAL BACKFILL IS RESTRICTED PRIMARILY TO LOCALIZED OR SPOT REPAIRS OF UTILITIES UNDER PAVING WHERE RESTORATION OF PAVING AND TRAFFIC IS TIME CRITICAL AS APPROVED BY THE ENGINEERING DEPARTMENT.
4. FOR USE IN EARTH OR ROCK UP TO A MAXIMUM OF 30'-0" EXCAVATION.
5. I.D. TAPE MUST BE 6" WIDE BY 4.0 MIL THICK POLYETHYLENE PLASTIC.

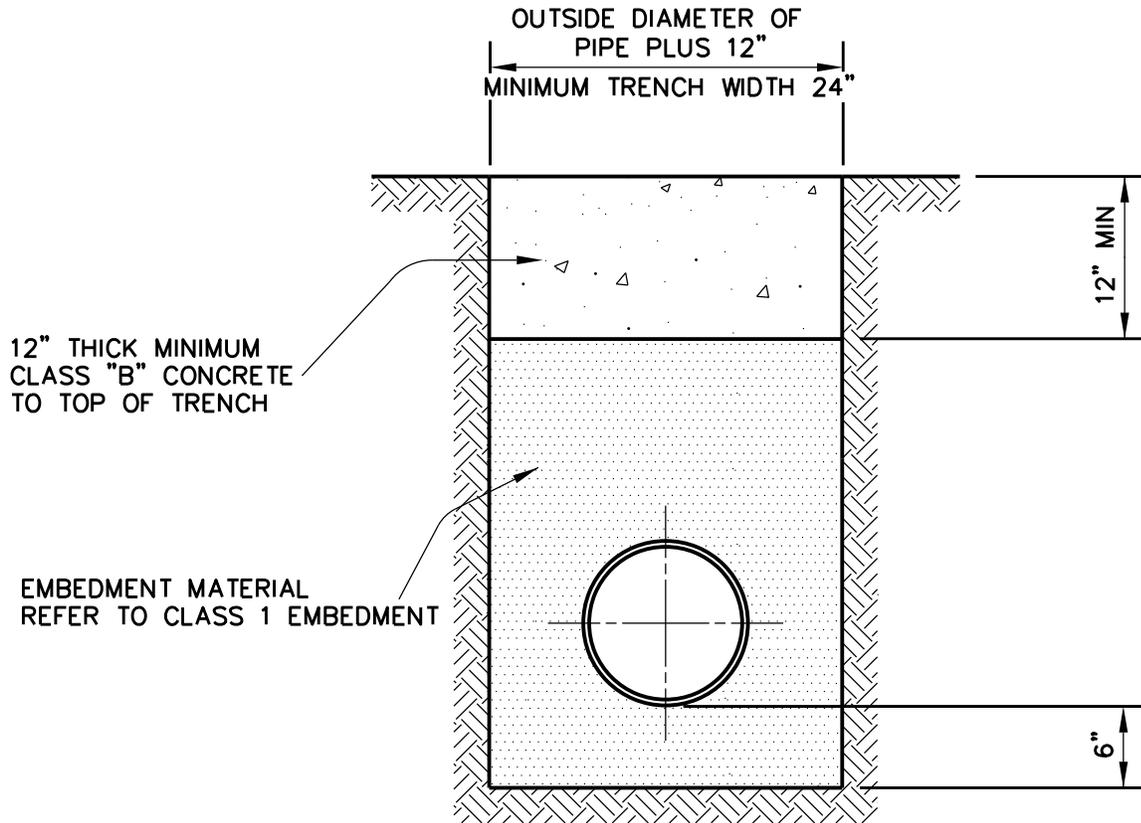
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Revision Date: 03/14

Scale : N/A	Date : 06/01/05
Design :	
Drawn : JMK	
Dwg. File : EMB_001.DWG	
Project No. : STANDARD-DETAILS	



**CLASS I – WASTEWATER
EMBEDMENT DETAIL**

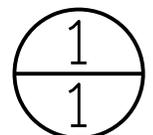


CLASS II EMBEDMENT

GENERAL NOTES:

1. CONCRETE EMBEDMENT TO EXTEND 5' MIN. INTO CREEK BANK.
2. CREEK BANK BACKFILL OF TRENCH LINE SHALL BE CEMENT STABILIZED SAND AND EXTEND 5' INTO BANK FROM FACE OF SLOPE.

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 Design :
 Drawn : JMK
 Dwg. File : EMB_002.DWG
 Project No. : STANDARD-DETAILS


GARLAND
 ENGINEERING
 STANDARD DETAILS

CLASS II – WASTEWATER
EMBEDMENT DETAIL
 FOR ROCK DITCHES IN A CREEK BED

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