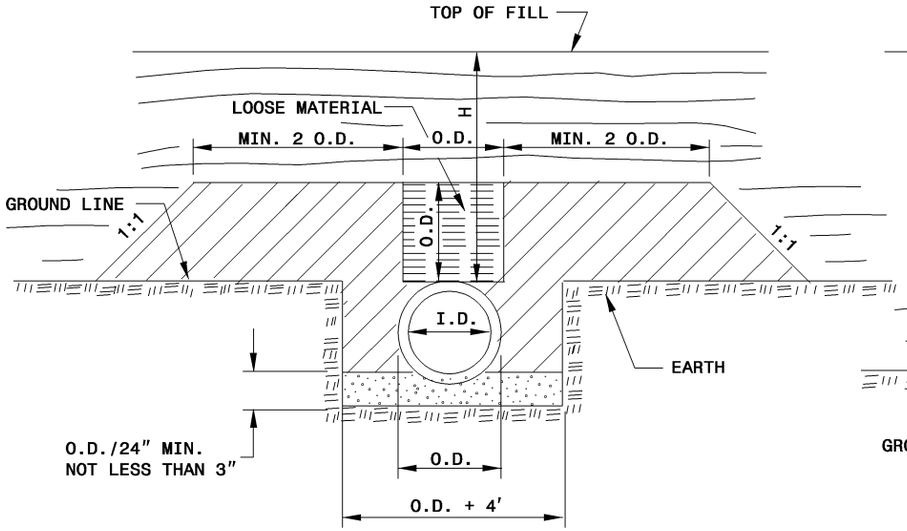
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

7-06

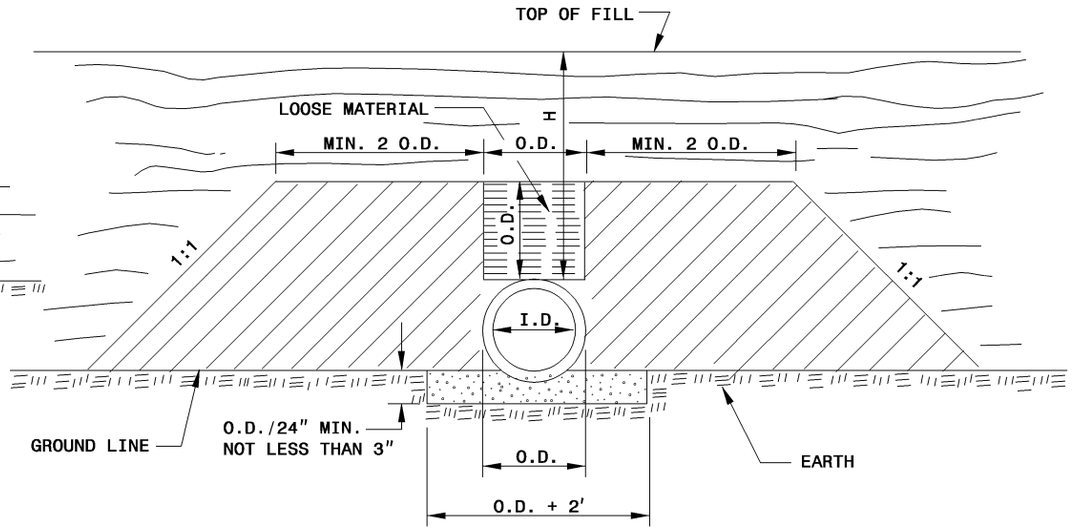
ENGLISH STANDARD DRAWING FOR

METHOD OF PIPE INSTALLATION

METHOD 'B'



PIPE IN TRENCH



PIPE ABOVE GROUND

GENERAL NOTES:

USE METHOD B PIPE INSTALLATION ONLY WHERE CALLED FOR ON THE PLANS.

I.D. = THE MAXIMUM HORIZONTAL INSIDE DIMENSION.

O.D. = THE MAXIMUM HORIZONTAL OUTSIDE DIMENSION.

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

LOOSELY PLACED APPROVED SUITABLE LOCAL MATERIAL OR SELECT MATERIAL FOR FOUNDATION CONDITIONING AS DIRECTED BY THE ENGINEER.(STONE WILL NOT BE ALLOWED)

SELECT MATERIAL OF THE APPROPRIATE CLASS AS FOLLOWS:

SELECT MATERIAL	'H'
CLASS IV	OVER 50 FEET
CLASS III	OVER 40 FEET THROUGH 50 FEET
CLASS II	OVER 30 FEET THROUGH 40 FEET

NOTE: A HIGHER CLASS SELECT MATERIAL, NOT TO EXCEED CLASS IV, MAY BE USED IN LIEU OF CLASS II OR III.

LOOSE COMPRESSIBLE MATERIAL. THE BOTTOM THIRD OF THIS MATERIAL WILL BE UNBALED HAY OR STRAW. PLACE THE REMAINING APPROVED BACKFILL IN A LOOSE UNCOMPACTED CONDITION. WHEN 'H' IS LESS THAN 30' THE LOOSE MATERIAL AND HAY IS NOT REQUIRED.

PREPARE THE PIPE FOUNDATION AND BEDDING OF THE PIPE IN ACCORDANCE WITH METHOD 'A' INSTALLATION. PLACE BACKFILL MATERIAL TO THE WIDTH REQUIRED BY THE DRAWING AND TO A DEPTH OVER THE PIPE EQUAL TO D. THEN EXCAVATE THE BACKFILL MATERIAL DIRECTLY OVER THE PIPE AND BACKFILL THE TRENCH WITH MATERIAL DEPOSITED IN THE LOOSEST POSSIBLE CONDITION. COMPLETE THE EMBANKMENT IN ACCORDANCE WITH SECTION 235 OF THE SPECIFICATIONS.

DO NOT OPERATE HEAVY EQUIPMENT OVER THE PIPE CULVERT UNTIL THE BACKFILL, INCLUDING THE TRENCH OF LOOSE COMPRESSIBLE MATERIAL, HAS BEEN COMPLETED.

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SHEET 1 OF 1
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