



COMPACT AFTER -

PIPE IS PLACED

PLACEMENT OF

& PRIOR TO

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

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

MIN. O.D.

— I.D. /6 MIN.

NOT LESS THAN 6"

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.

APPROVED SUITABLE LOCAL MATERIAL.

O.D. + 2'

NORMAL EARTH FOUNDATION

TOP OF FILL —

0.D. + 3'

NORMAL EARTH FOUNDATION

TOP OF FILL —

MIN. O.D.

GROUND LINE—

""三""三""三

I.D. /6 MIN. —

NOT LESS THAN 6"

GROUND LINE



TAKE CARE TO FULLY COMPACT HAUNCH ZONE OF PIPE BACKFILL.

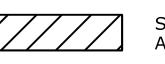
LOOSELY PLACED SELECT MATERIAL CLASS III OR CLASS II, TYPE 1 FOR PIPE BEDDING. LEAVE SECTION DIRECTLY BENEATH PIPE UNCOMPACTED AS PIPE SEATING AND BACKFILL WILL ACCOMPLISH COMPACTION.

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.

GROUND LINE

REFER TO NCDOT PIPE MATERIAL SELECTION GUIDE AND STANDARD SPECIFICATIONS FOR ALLOWABLE PIPE FILL HEIGHTS AND PIPE SPECIFICATIONS.

SPRINGLINE OF PIPE



SELECT BACKFILL MATERIAL CLASS III OR CLASS II, TYPE 1 ABOVE AND BELOW SPRINGLINE.

|"<u>=</u>""= "'= "

TOP OF FILL —

O.D. + 3'

ROCK FOUNDATION

PIPE IN TRENCH

TOP OF FILL —

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O.D.+ 2'

ROCK FOUNDATION

PIPE ABOVE GROUND

MIN. O.D.

GROUND LINE—

- COMPACT AFTER-

I.D. /6 MIN. —

NOT LESS THAN 6"

GROUND LINE

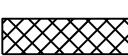
I.D. /6 MIN.→

NOT LESS THAN 6"

PIPE IS PLACED

& PRIOR TO PLACEMENT OF

UNDISTURBED EARTH MATERIAL



SELECT MATERIAL CLASS V OR VI FOR FOUNDATION CONDITIONING. ENCAPSULATE WITH TYPE IV GEOTEXTILE AS DIRECTED BY THE ENGINEER.

GROUND LINE—

O.D. + 3'

MIN. O.D.

MIN. O.D.

"="="="=""="

TYPE 4a

GEOTEXTILE

THAN 6"

 $igsqcup_{2}$ " PER FOOT OF 'H'

AS DIRECTED BY ENGR.

TYPE 4a GEOTEXTILE:

FILL

≡'''≡ ≡'', COMPACT AFTER PIPE IS PLACED & PRIOR TO

PLACEMENT OF

 $\perp \frac{1}{2}$ " PER FOOT OF 'H'

BUT NOT LESS THAN 12" NOR MORE THAN 24"

I.D. /6 MIN. —

NOT LESS THAN 6"

BUT NOT LESS THAN 12" NOR MORE THAN 24"

I.D. /6 MIN. NOT LESS —

SHEET 1 OF 2 300.01

CONTRACTS STANDARDS AND DEVELOPMENT UNIT Office 919-707-6950 FAX 919-250-4119

Nicole M. Hackler

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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