



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

MIN. O.D.

::<u>|="="="="="</u>

└── I.D. /6 MIN.

NOT LESS THAN 6"

O.D. = THE MAXIMUM HORIZONTAL OUTSIDE DIAMETER 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.

APPROVED SUITABLE LOCAL MATERIAL.

O.D. + 2'

NORMAL EARTH FOUNDATION

TOP OF FILL

O.D. + 3'

NORMAL EARTH FOUNDATION

TOP OF FILL —

MIN. O.D.

GROUND LINE—

I.D. /6 MIN. —

GROUND LINE -

COMPACT AFTER

PIPE IS PLACED

PLACEMENT OF

& PRIOR TO

FILL

NOT LESS THAN 6"



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—

I.D. /6 MIN. —

NOT LESS THAN 6"

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

....

SPRINGLINE OF PIPE

TOP OF FILL -

リミルミルミ ルミハミハミ ハミハニハ

O.D. + 3'

ROCK FOUNDATION

PIPE IN TRENCH

MIN. O.D.

TOP OF FILL -

O.D. + 2'

ROCK FOUNDATION

PIPE ABOVE GROUND

MIN. O.D.

GROUND LINE—

" = '' = '' = '' =

-COMPACT AFTER— PIPE IS PLACED

I.D. /6 MIN. —

NOT LESS THAN 6"

ROCK-

GROUND LINE-

I.D. /6 MIN.─

NOT LESS THAN 6"

& PRIOR TO PLACEMENT OF

SELECT BACKFILL MATERIAL CLASS III OR CLASS II, BELOW SPRINGLINE.

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

UNDISTURBED EARTH MATERIAL

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

TOP OF FILL —

小巨叫三叫三 小三叫三川三 小三叭

MIN. O.D.

MIN. O.D.

O.D. + 3'

UNSUITABLE MATERIAL FOUNDATION

TOP OF FILL —

UNSUITABLE MATERIAL FOUNDATION

MIN. O.D.

MIN. O.D.

& PRIOR TO

GROUND LINE-

GEOTEXTILE

THAN 6"

AS DIRECTED BY ENGR.

TYPE 4a

GEOTEXTILE-

PIPE IS PLACED

& PRIOR TO PLACEMENT OF

BUT NOT LESS THAN 12" NOR MORE THAN 24"

 $-rac{1}{2}$ " PER FOOT OF 'H'

BUT NOT LESS THAN 12" NOR MORE THAN 24"

I.D. /6 MIN. NOT LESS —

SHEET 2 OF 2 300.01 033144

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

SEE TITLE BLOCK

ORIGINAL BY: S.CALHOUN __ DATE: ____7-25-2024__ MODIFIED BY: _ DATE: CHECKED BY: _ DATE: FILE SPEC.: