NO PROJECTION OF PIPE ABOVE GROUND LINE

NORMAL EARTH FOUNDATION

(8/2) + 12"

TOP OF FILL

GROUND LINE

R/2

MIN. 1/10 R

4"

FOUNDATION FILL

"X" DIMENSION TO BE MAINTAINED TO TOP OF PIPE

NORMAL EARTH FOUNDATION

ROCK FOUNDATION

(8/2) + 12"

TOP OF FILL

GROUND LINE

R/2

MIN. 1/10 R

S1 PER 1/2 OF H
MIN. 8"
MAX. 24"

EARTH

"X" DIMENSION TO BE MAINTAINED TO TOP OF PIPE

ROCK OR UNYIELDING SOIL

FOUNDATION SOFT, YIELDING, OR OTHERWISE UNSUITABLE MATERIAL

PIPE PROJECTION ABOVE GROUND LINE

NORMAL EARTH FOUNDATION

(8/2) + 12"

TOP OF FILL

GROUND LINE

R/2

MIN. 1/10 R

4"

FOUNDATION FILL

NORMAL EARTH FOUNDATION

ROCK FOUNDATION

(8/2) + 12"

TOP OF FILL

GROUND LINE

R/2

MIN. 1/10 R

MIN. 1/8 R

1/2" PER 1/2 OF H
MIN. 8"
MAX. 24"

EARTH

ROCK OR UNYIELDING SOIL

FOUNDATION SOFT, YIELDING, OR OTHERWISE UNSUITABLE MATERIAL

CULVERTS LESS THAN S1 = 36"
X = S2 + 24"

CULVERTS WHERE S2 = 36" AND OVER
X = S2 + 36"

METHOD "A" PIPE BEDDING SHALL BE USED AS FOLLOWS UNLESS OTHERWISE NOTED ON PLANS:

BENDING PIPE

WHEN IT IS LESS THAN OR EQUAL TO 30'

FLEXIBLE PIPE

AS SHOWN ON TABLES

* MAY BE ELIMINATED UNDER ENTRANCE PIPE WHERE DIRECTED BY THE CO.

H = HEIGHT OF COVER MEASURED FROM TOP OF DRAINAGE STRUCTURE TO FINISHED GRADE.

S1 = OUTSIDE SPAN OF PIPE.

S2 = INSIDE SPAN OF PIPE.

R = OUTSIDE RISE OF PIPE.

b = DEPTH AS SHOWN ON PLANS OR TO FIRM BEARING SOIL.

FOUNDATION FILL MATERIAL IN ACCORDANCE WITH SUBSECTIONS 209 AND 704.01

BACKFILL MATERIAL IN ACCORDANCE WITH SUBSECTIONS 209.08 AND 704.03

SUITABLE ROADWAY EXCAVATION OR UNCLASSIFIED BORROW MATERIAL IN ACCORDANCE WITH SUBSECTION 209.19

EMBANKMENT

NO SCALE