BOLT(S) ON MH FRAME. PROVIDE BOLTDOWN

— PLACE MASTIC

-GRADE RINGS

AS REQUIRED -

BETWEEN GRADE

VARIES

0 0

MH STEPS

15" O.C. (TYP)

FLAT SLAB UPPER SECTION

ALLOWED ONLY WHERE DEPTHS WILL

. MANHOLE RISERS AND CONE SECTIONS SHALL

CONFORM TO ASTM C-478, LATEST REVISION.

2. TRANSITION RINGS SHALL HAVE A MINIMUM

CLEARANCE OF 2'-0" ABOVE THE EFFLUENT

3. A DROP MANHOLE SHALL BE REQUIRED WHEN DIM. "A" EXCEEDS 24" EXCEPT WHEN THE

HALF OF THE OUTLET PIPE. SEE FIGURE S2.0 FOR STANDARD MANHOLE.

SLEEVES, WITH STAINLESS STEEL CLAMP; DRAW BOLT AND NUT; OR CAST—IN SLEEVE; OR "A" LOCK CONNECTION SHALL BE FURNISHED FOR

INLET PIPE INVERT LIES WITHIN THE LOWER

4. FLEXIBLE WATERTIGHT, SYNTHETIC RUBBER

EACH PIPE TO MANHOLE CONNECTION.

SHALL NOT EXCEED 12".

5. SEE SPECIFICATIONS FOR MANHOLE DIAMETER.

6. MAXIMUM HEIGHT OF GRADE ADJUSTMENT RINGS

NOT PERMIT CONE SECTIONS

TRANSITION SLAB

STANDARD PRECAST

CONCRETE MANHOLE

NOTES:

OVERT ELEVATION.

-.(O" MIN-

\_ 12" MAX)

COVER(S), ONLY WHERE SPECIFIED \_\_\_\_

RINGS —

DIAMETER

15" O.C. (TYP)

DIAMETER

H STEPS

+ - -

7'-0"

VARIES

(O" MIN- -

12" MAX) —

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

FINAL PLETED PROJECT REFERENCE NO. SHEET NO.  $U-3440 \qquad UC-30$ RW SHEET NO.

UTILITIES ENGINEER

Decision of Easily

Jewy For Standing

Jewy For Netherland

Prepared in the Office of:

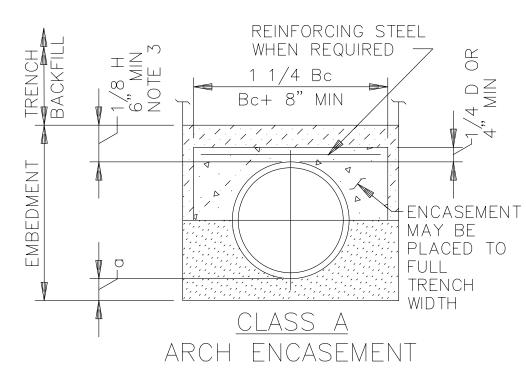
NC FIRM LICENSE No: F-0342
701 Corporate Center Drive, Suite 4'
Raleigh, NC 27607
(919) 854-6200 - (919) 854-6259(FAX)

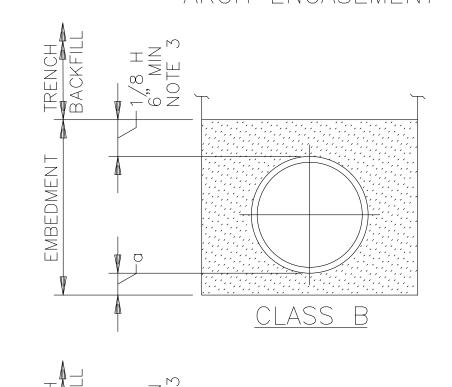
UTILITY CONSTRUCTION

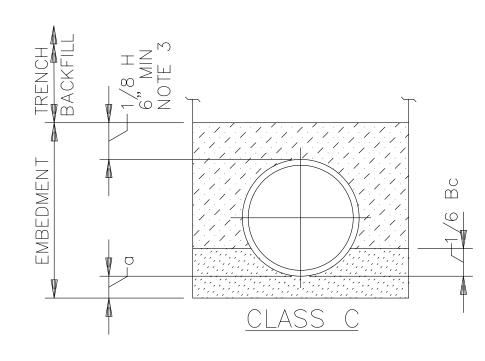
TABLE OF EMBEDMENT DEPTHS BELOW PIPE

D MIN MIN ROCK

27" & SMALLER 6" 6"
30" TO 60" 6" 9"
66" & LARGER 6" 12"







1. GRANULAR EMBEDMENT MATERIAL SHALL BE CRUSHED ROCK, PEA GRAVEL COARSE AGGREGATE SIZE NUMBER 57. EMBEDMENT MATERIAL SHALL BE PLACED IN LAYERS NOT MORE THAN 6" DEEP AND COMPACTED AS SPECIFIED.

NOTES:

2. HAND PLACED EMBEDMENT SHALL BE COMPACTED FINELY DIVIDED MATERIAL FREE FROM DEBRIS AND STONES.

3. EMBEDMENT ABOVE THE TOP OF THE PIPE SHALL BE AN UNCOMPACTED LAYER FOR ALL INSTALLATIONS.

4. REFER TO SPECIFICATIONS FOR GEOTECHNICAL FABRIC OR SPECIAL EMBEDMENT REQUIREMENTS FOR TRENCHES IN FINE SOILS EXTENDING BELOW GROUNDWATER LEVEL.

5. TRENCH OUTLINES DO NOT INDICATE ACTUAL TRENCH EXCAVATION SHAPE, SOIL CONDITIONS, OR PRESENCE OF SHEETING LEFT IN PLACE. EMBEDMENT MATERIAL SHALL EXTEND THE FULL WIDTH OF THE ACTUAL TRENCH EXCAVATION.

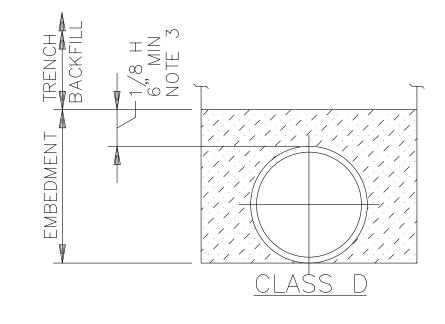
## LEGEND

Bc OUTSIDE DIAMETER OF PIPE
H COVER ABOVE TOP OF PIPE
D NOMINAL PIPE SIZE
a EMBEDMENT BELOW PIPE (SEE TABLE)

HAND PLACED EMBEDMENT

GRANULAR EMBEDMENT

CONCRETE



EMBEDMENTS FOR MAINS

sions:

DGN: 280\_00|\_U3440\_UC30.dgn USER: remyr DATE: 11/2/2016 TIME: 7:42:14 AM