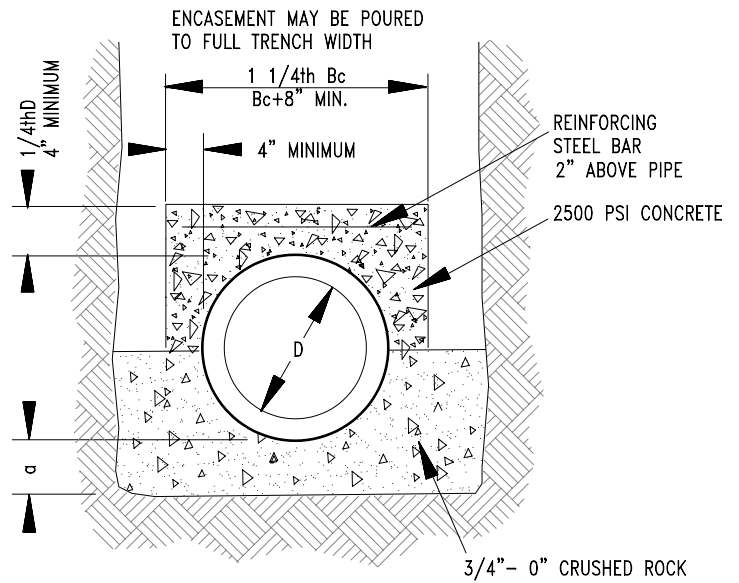


**CLASS "A"**  
LOAD FACTOR 3.0

PIPE ZONE MATERIAL  
SHALL BE:

<u>SANITARY SEWER</u> TIGHT JOINT PIPE PLASTIC PIPE	<u>STORM SEWER</u> OPEN JOINTED PIPE PERFORATED PIPE
PEA ROCK BLEND SAND CRUSHED ROCK	ROUND ROCK ( PEA ROCK ) 3/8" MIN. DIAMETER 3/4" MAX. DIAMETER



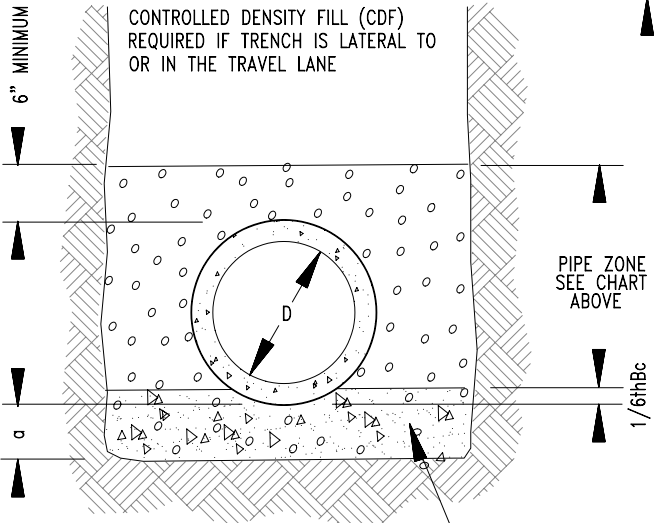
**LOAD FACTORS**

REINFORCED P = 1.00%	4.8
REINFORCED P = 0.40%	3.4
PLAIN	2.8

**CLASS "B"**

- Bc - OUTSIDE DIAMETER OF PIPE
- D - NOMINAL PIPE SIZE
- a - FILL BELOW PIPE (SEE TABLE)
- P - AREA OF TRANSVERSE STEEL IN THE CRADLE OR ARCH EXPRESSED AS A PERCENTAGE OF AREA OF CONCRETE AT INVERT OR CROWN.

D	a MINIMUM
0 - 27"	3"
30" - 60"	4"
66" +	6"



**CLASS "C"**

NO	REVISION	DATE	BY	APPR.

FILE: A.DWG

CITY OF SPRINGFIELD  
DEPT. OF PUBLIC WORKS

225 FIFTH STREET  
SPRINGFIELD, OR. 97477

TYPICAL  
PIPE ZONE AND PIPE BEDDING

STANDARD  
DRAWING

4-17