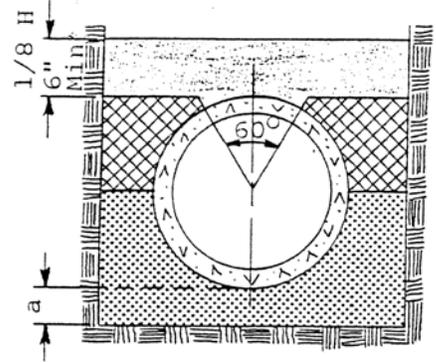


Load Factor  
 Reinf., P 0.40%-3.5  
 Reinf., P 1.00%-4.8  
 Plain 2.8

Encasement may be poured to fill trench width.

**CLASS A**  
**ARCH ENCASEMENT**



**CLASS B-1**  
**FIRST CLASS BEDDING**  
 Load Factor 1.9

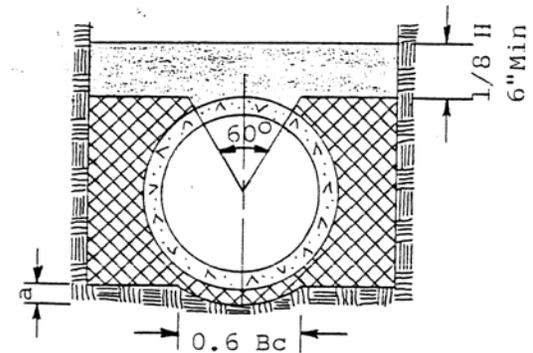
**NOTES:**

Granular fill to be crushed stone or pea gravel with not less than 95% passing  $\frac{1}{2}$ " and not less than 95% to be retained on a #4; to be placed in not more than 6" layers and compacted by slicing with a shovel.

Tamped backfill shall be finely divided job excavated material free from debris, organic material, and stone, compacted to 95% maximum density in accordance with MDSH & T specifications for determination of maximum unit weights.

Granular fill may be substituted for all or part of tamped backfill.

Hand placed backfill shall be finely divided material free from debris and stone.



**CLASS B**  
**ORDINARY BEDDING**  
 Load Factor 1.9

**LEGEND**

- Bc Outside diameter of pipe
- H Backfill cover above top of pipe
- D Nominal pipe size
- a Fill below pipe (see table)
- p Ratio of the area of Steel to area of concrete at the Crown

- Hand placed backfill
- Tamped backfill
- Granular fill
- Concrete

**TABLE OF FILL DEPTHS BELOW PIPE**

D	a	a
	Min Soil	Min Rock
27" & smaller	3"	6"
30" to 60"	4"	9"
66" & larger	6"	12"

CITY OF WYOMING  
 DEPARTMENT OF ENGINEERING

**EMBEDMENTS FOR CONDUITS**

DRAWN BY JZ.

CHECKED BY MB

APPROVED BY S. Mink

DATE DEC. 29TH. 1976

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