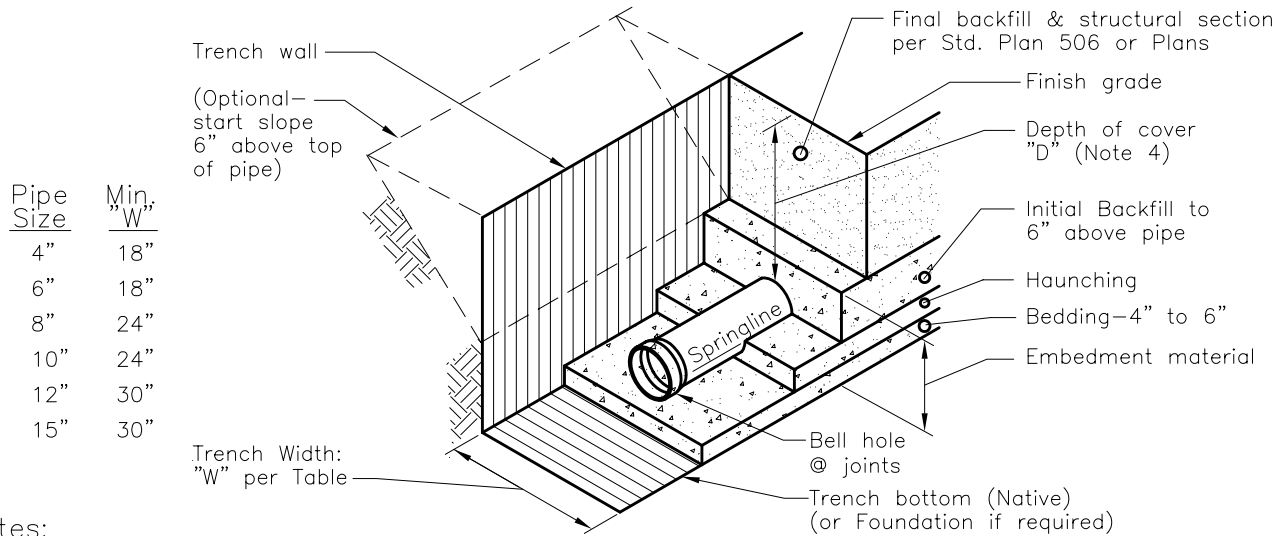




CITY OF LODI

PUBLIC WORKS DEPARTMENT

Pipe Bedding & Backfill— Flexible Pipe Trench Section



Pipe Size	Min. "W"
4"	18"
6"	18"
8"	24"
10"	24"
12"	30"
15"	30"

Notes:

1. This Std is for PVC SDR 35 (4" thru 15" dia), C900, & ductile iron pipe (up thru 14" dia) conforming to City Design Standards and Construction Specifications.
2. Class 1 embedment material shall be used unless specified otherwise on the plans.
3. This Std applicable only for stable trench walls where no standing water or groundwater is anticipated. Special details required for unstable soil identified in soils report. For minor occurrences of instability (sand pockets, etc), voids in the embedment zone shall be filled with the specified embedment material to at least two pipe diameters all around the pipe.
4. Minimum depth of cover for mains is 3 ft to finish grade; service laterals per plans.
5. With crushed rock embedment, install a cut-off dam of 3 ft. of approved material every 100 ft. Crushed rock shall meet 3/4" or 1/2" max. aggregate asphalt concrete specifications or as approved by the Engineer.
6. For Water Pipes use native material for backfill.

EMBEDMENT MATERIAL

	CLASS I	CLASS II	CLASS III	CLASS IV	CLASS V
Description	Crushed Rock 3/4"-1/4"	Coarse Sand & Gravel	Fine Sand Mixtures	Silt,Silty Clays	Organic Soils
USC Soil Type	Well graded (See Note 5)	GW, GP, SW, SP	GM, GC, SM, SC	MH, ML, CH, CL	OL, OH, PT
Foundation	If required, per special design to be shown on plans				
Bedding	Consolidate with vibrator or flat shovel "slicing" (See Note 5)	Compact to 85% Min. R.C. Cut-off dam (per Note 5)	Compact to 90% Min. R.C.	Special Design	Not Permitted
Haunching			Compact to 90% Min. R.C. in <u>two lifts</u>		
Initial Backfill	Per Class II or III, or use crushed rock per above.	Compact to 85% Min. R.C. in <u>two lifts</u>	Compact to 90% Min. R.C. in <u>two lifts</u>		
Maximum Depth of Cover "D" (without special design)	20 ft	20 ft	20 ft		

Dr. KT	No. 1	Date 9/25	Revision ADDED C900 PIPE	Appr.	Approved By: <i>F. Wally Sandelin</i>	STD PLAN
Ch. WS					<i>F. Wally Sandelin</i> City Engineer R.C.E. 39895	501A
Date 12/00					9/25/02 Date	