

Pipes With Same Diameter

XX" P	ipe Inle	t Data
Station	Offset	F.L. Elev
xx+xx.xx	xx xx XX	xxx.xx
xx+xx.xx	xx xx XX	xxx.xx
xx+xx.xx	xx.xx' XX	xxx.xx

Pipes With Different Diameters

Pipes	with Differe	ent Di	ameters									
Pipe Inlet Data												
Station	Offset	Dia.	F.L. Elev.									
xx+xx.xx	xx xx XX	xx"	xxx.xx									
xx+xx.xx	xx xx XX	xx"	xxx.xx									
xx+xx.xx	xx xx' XX	xx"	xxx.xx									

Inlets Sized for Elevation A-A (Pipe Diameter/Culvert HT) \circ

Ex: Use 0.5 detail for 36' pipe into a 6' tall

-Supplemental Reinforcement Table (Nonstandard culverts with only one design fill height)

Top Slab Reinforcement												Bottom Slab Reinforcement									Wall Reinforcement				
A1 Bars J3 Bars					H1 Bars			H2 Bars			A2 Bars			J4 Bars			H3 Bars			B1 Bars		B2 Bars		S	
Sz.Sp	a.	Sz.	Spa.	C1	K2	Sz.	Spa.	C5	Sz	Spa.	C6	Sz.	Spa.	Sz.	Spa.	C4	К3	Sz.	Spa.	C7	Sz.	Spa.	Sz.	Spa.	G1
X >	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	×	Х	Х	×	Х	×	Х
 Substitute table for tables shown on Standard Plan 703.47																									

Standard Drawing Guidance (Do not show on plans. Turn off the Bridge Construction level to hide)

Some details have been grouped together to allow easy substitution with alternate details. To edit grouped details, select them and press <Ctrl> U.

- ① Ahead station is shown for streams flowing left to right. Arrow must be flipped for streams that flow right to left.
- 2 Modify Estimated Quantities as required. Don't leave blank rows but leave space between Estimated Quantities and General Notes for at least one pay item to be added during construction. See Alternate Details for culvert extensions, or if five items are
- 3 Add any required transverse joints proportionally spaced along the barrel. Label units and add actual lengths of units along
- 4 Insert STD 703.60 when pipe inlets are required. Add pipe inlets to Plan of Layout Dimensions at appropriate locations and to Elevation A-A if visible from elevation. Add inlet data using notes where space allows, or use tables.
- 5 For nonstandard culverts with only one design fill height, add supplemental reinforcement table.
- 6 No need to revise General Elevation A-A for dual roadways. In Fill Heights table add a lane designation after @ Rdwy and insert another row for the other lane.
- Termove TT from the equation for D and place "N/A" in the Dim. column for Dim. TT. Will first need to drop Detail C from group by selecting it, then pressing <Ctrl> U.

*** VARIABLE DESIGN FILL HEIGHTS ***

(a) Select and delete the details grouped with the Fill Heights table. Select and move the alternate grouped details to drawing.

──Supplemental Pipe Inlet Details (4)

- (b) Place "See Member Thickness table" in the Equation column and place "Varies" in the Dim. column. If Dimension F varies, place "Varies" in the Dim. column.
- © Remove blank rows. End units may have different design fill heights but both units need to have the same member thicknesses.
- d This portion of table required when design fill height exceeds limits of the standard plans or when culvert cell height or span is not standard. If only a portion of the units are nonstandard, fill out entire table using the values from the standard table where applicable. Omit if not required.



