



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
 required.
- (3) Add any required transverse joints proportionally spaced along the barrel. Label units and add actual lengths of units along the barrel.
- 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.
- For skews 20 degrees or more, remove Detail C, remove TT from equation for D and place "N/A" in the Dim. column of Dimension TT. Will first need to separate Detail C from Plan by selecting and 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.
- (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.



