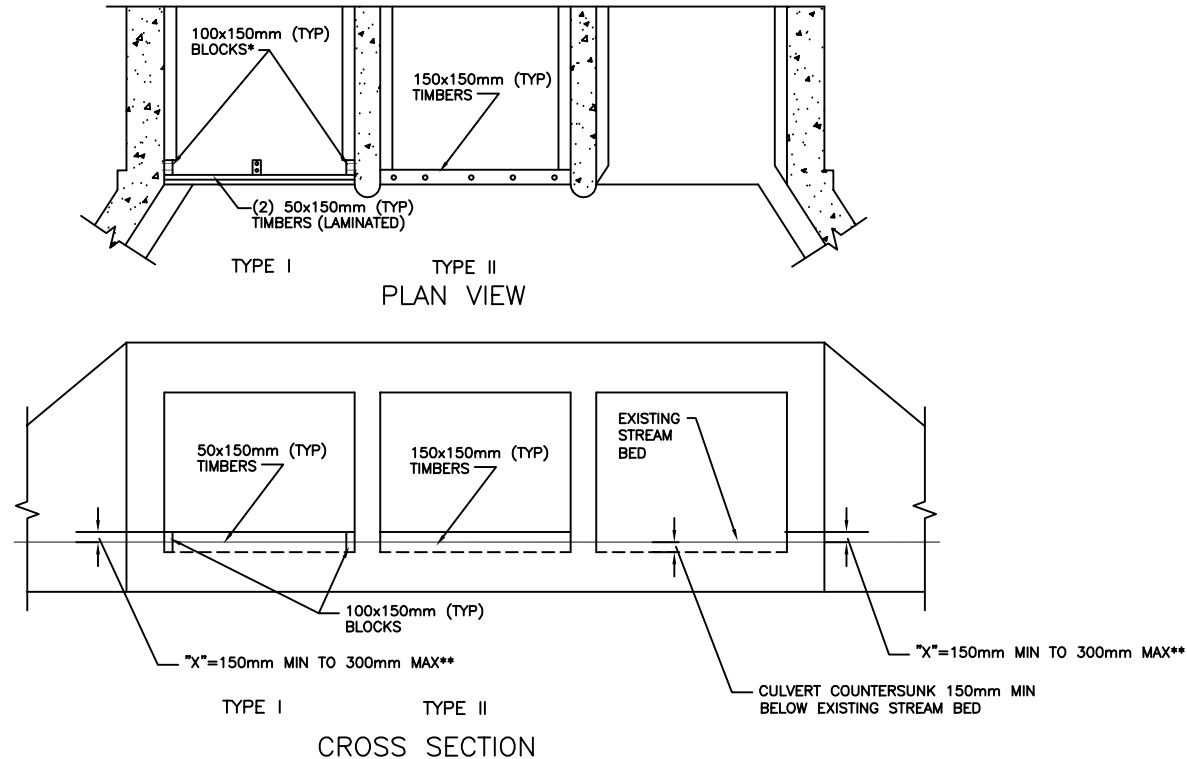


LOW FLOW DIVERSION TIMBERS FOR MULTIPLE BOX CULVERTS



TYPE I NOTES:

- *MIDDLE BLOCK MAY BE OMITTED ONLY WHEN THE SPAN IS LESS THAN 1800 mm.
- ALL TIMBERS TO BE 50 mm THICKNESS.
- ALL BLOCKS TO BE 100 mm THICKNESS.
- 50 mm TIMBERS SHALL BE NAILED OR OTHERWISE LAMINATED TOGETHER.
- 100 mm BLOCKS SHALL BE ATTACHED TO WALLS OR BOTTOM SLAB USING 13 mm ANCHOR BOLTS WITH WASHER. BOLTS SHALL EXTEND AT LEAST 75 mm INTO CONCRETE WALL OR BOTTOM SLAB.
- 50 mm TIMBERS SHALL BE NAILED OR BOLTED TO THE 100 mm BLOCKS.
- BOX HAUNCHES SHALL BE CUT BACK AS NECESSARY TO ALLOW INSTALLATION OF LOW FLOW DIVERSION TIMBERS.
- ALL TIMBERS AND BLOCKS ARE TO BE UNTREATED.
- **THE PROPOSED HEIGHT OF THE DIVERSION TIMBERS, FROM THE EXISTING STREAM BED TO THE TOP OF TIMBER, IS TO BE SPECIFIED ON THE ROADWAY PLANS. "X" DIMENSION (HEIGHT OF WEIR ABOVE STREAM BED) CAN BE A MINIMUM OF 150 mm OR ANY VARIABLE DIMENSION TO A MAXIMUM OF 300 mm.

TYPE II NOTES:

- 150 mm TIMBERS SHALL BE ATTACHED TO THE BOTTOM SLAB USING 13 mm ANCHOR BOLTS WITH WASHER AT 300 mm ON CENTER.
- BOLTS SHALL EXTEND AT LEAST 75 mm INTO BOTTOM SLAB.
- ALL TIMBERS TO BE 150 mm THICKNESS.
- BOX HAUNCHES SHALL BE CUT BACK AS NECESSARY TO ALLOW INSTALLATION OF LOW FLOW DIVERSION TIMBERS.

NOTE:
REQUIRED HEIGHT OF LOW FLOW DIVERSION MAY BE ACHIEVED BY VARYING THE TIMBER WIDTH OR BY STACKING AND LAMINATING TIMBERS.

GENERAL NOTES:

CONTRACTOR WILL HAVE THE OPTION OF USING EITHER TYPE I OR TYPE II UNLESS OTHERWISE SPECIFIED ON THE PLANS OR DIRECTED BY THE ENGINEER.

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