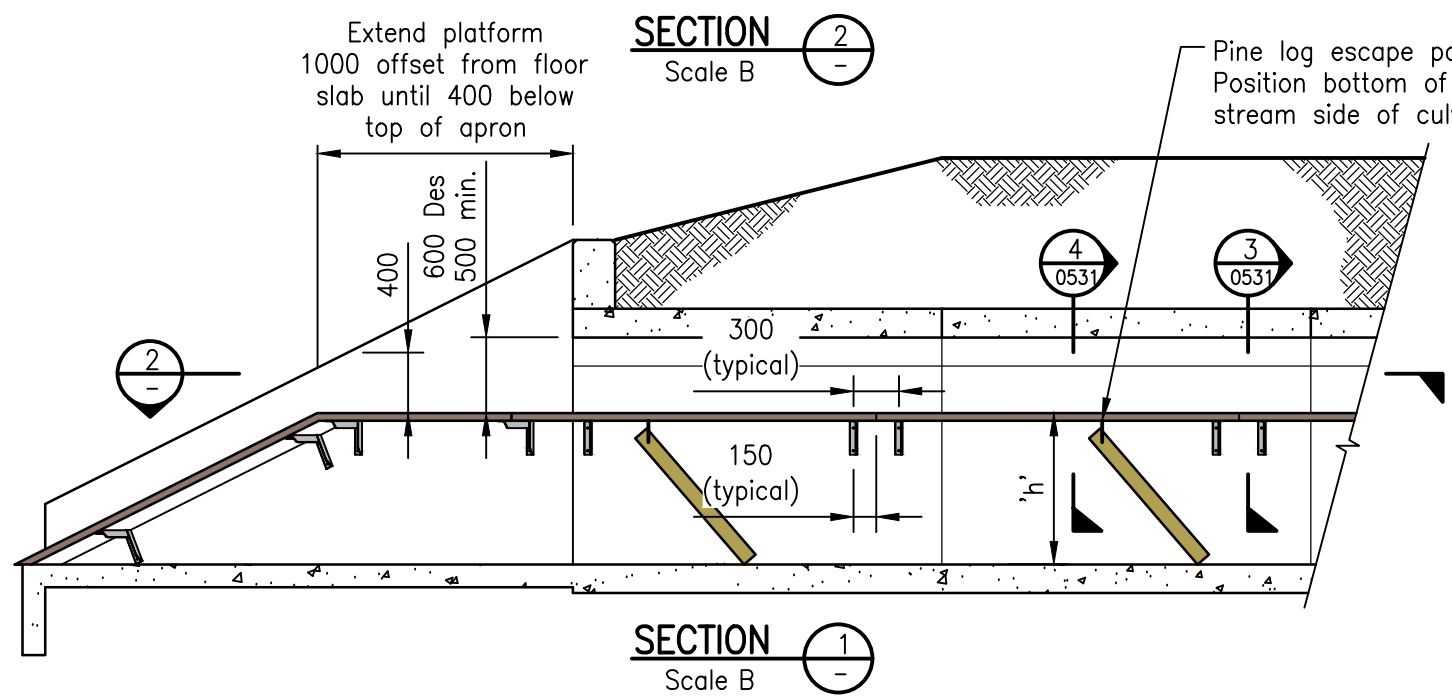


ISOMETRIC VIEW
Scale A



NOTES:

1. Fauna movement shelf and access poles allow wildlife to move through the culvert and avoid or escape ground level predators at each end and at key points through the culvert.
2. Ensure existing vegetation is retained as close as practical to both ends of the culvert to provide shelter for crossing fauna.
3. Where vegetation removal is undertaken for construction, designers should incorporate revegetation planting to support biodiversity and encourage crossing by wildlife.
4. Adequate culvert size is influenced by target fauna species and geographical location. Designers should consult an ecologist or suitably qualified professional with regards to appropriate culvert size for target species.
5. Culverts with heights ≥ 1800 cater for a greater range of native species and should be used as a minimum for koala. Larger culverts are preferable.
6. Escape poles should be placed at intervals of approximately 3.0m commencing at the ends of the culvert.
7. Timber sleepers shall be 200x50 pine or hardwood and treated to hazard level H5 in accordance with AS1604.
8. Pine logs to be $\phi 100$ and preservative treated to hazard class H5 to AS1604.1 and have a durability class 4 to AS5604.
9. Steel sections grade 300 material and hot dipped galvanised after manufacture.
10. Welds to be effected with E48xx or W50x electrodes but not less than that required by AS4100.
11. Bolts, washers, nuts and screws to be treated with 'Zenith-Tufcote' or 'Buildex-Climacoat' or approved equivalent (unless noted otherwise).
12. All bolts shall be fixed with one washer under the turned part.
13. Where double nut has been specified tighten first nut against structure then lock nuts together by tightening in opposing directions



REVISIONS	INIT	DATE
E		
D		
C		
B		
A	Endorsed by Structural Engineer	TC 7/17
X	ORIGINAL ISSUE	BW 07/2016

SCALES
A 0mm 500 1000 1500 2000 1:100
B 0mm 250 500 750 1000 1:50

Drawn	BW	Date	07/16
Coordinator	PP	Date	07/16
AUTHORISED			
SYD JERRAM			
07/07/16			
Manager Integrated Transport Planning & Design			
RPEQ 6872			

FAUNA MOVEMENT SHELF

Moreton Bay Regional Council

DRG No. **GI-0530**

ORIGINAL SIZE **A3** REVISION **A**