The structural work shown on this drawing is considered to be structurally sound, and suitable for the design loads.

All construction to be as per current Australian Standards and by Building Codes, in accordance with MBRC requirements, and in a professional and competent manner.

I: FAUNA REFUGE POLE

#100 treated pine log branch spliced over cleat, checked into post and fixed to post with 4/No.14, type 17, 50 long button screws and to branch with 2/M10, 100 long cup head bolts (recess nut and washer 10mm into log)

#300 treated hardwood post

For cleat details see below

#8mm holes (4 off)

8mm Base plate

8mm continuous welds to be effected with E6010 or E5010 electrodes but not less than that required by AS4100

BASE PLATE PLAN

#12 holes (2 off)

Cleat

BLE

8mm Base plate

CLEAT ELEVATION

NOTES:

1. Vegetation cleared for construction works may be reused for the purpose of fauna refuge and escape poles. Dimensions and installation details similar to manufactured timber pole detailed.

2. A gum tree must be planted next to each refuge pole wherever possible. Trees will be a minimum pot size 100 litres and minimum 2200mm high and 1800mm wide.

3. Hardwood timber poles to be pressure impregnated treated with ACQ timber preservative in accordance with AS3818.11. The preservative penetration shall be in accordance with the requirements of hazard class H5 to AS1604.1.

4. Pine logs to be preservative treated to hazard class H4 to AS1604.1 and have a durability class 4 to AS5604.

5. Steel items shall be hot dipped galvanised to AS4680 after manufacture.

6. Galvanised steel sheet to be powdercoated or pre-painted to AS2728, the colour shall be 'Mist green' or 'River gum' subject to final approval by superintendent. Sheets shall be 0.62mm RMT.

7. Nails to be treated with 'Zenith-Tufco' or 'Buildex-Climacoat' or approved equivalent (unless noted otherwise).

8. Pop rivets with aluminium shell and steel stem (large flanged) maximum grip 3.2mm, drill bit No.11 (4.5mm) shall be used.

9. Tie wire shall be 1.57mm green PVC coated galvanised wire unless specified otherwise.

10. ISO metric hexagon bolts and screws shall be property class 4.6 to AS1100.

11. Bolts, washers, nuts, screws and nails to be treated with 'Zenith-Tufco' or 'Buildex-Climacoat' or approved equivalent (unless noted otherwise).

Where it is expected the fauna refuge pole will be subjected to flood loading a suitably qualified engineer is to certify footing requirements.