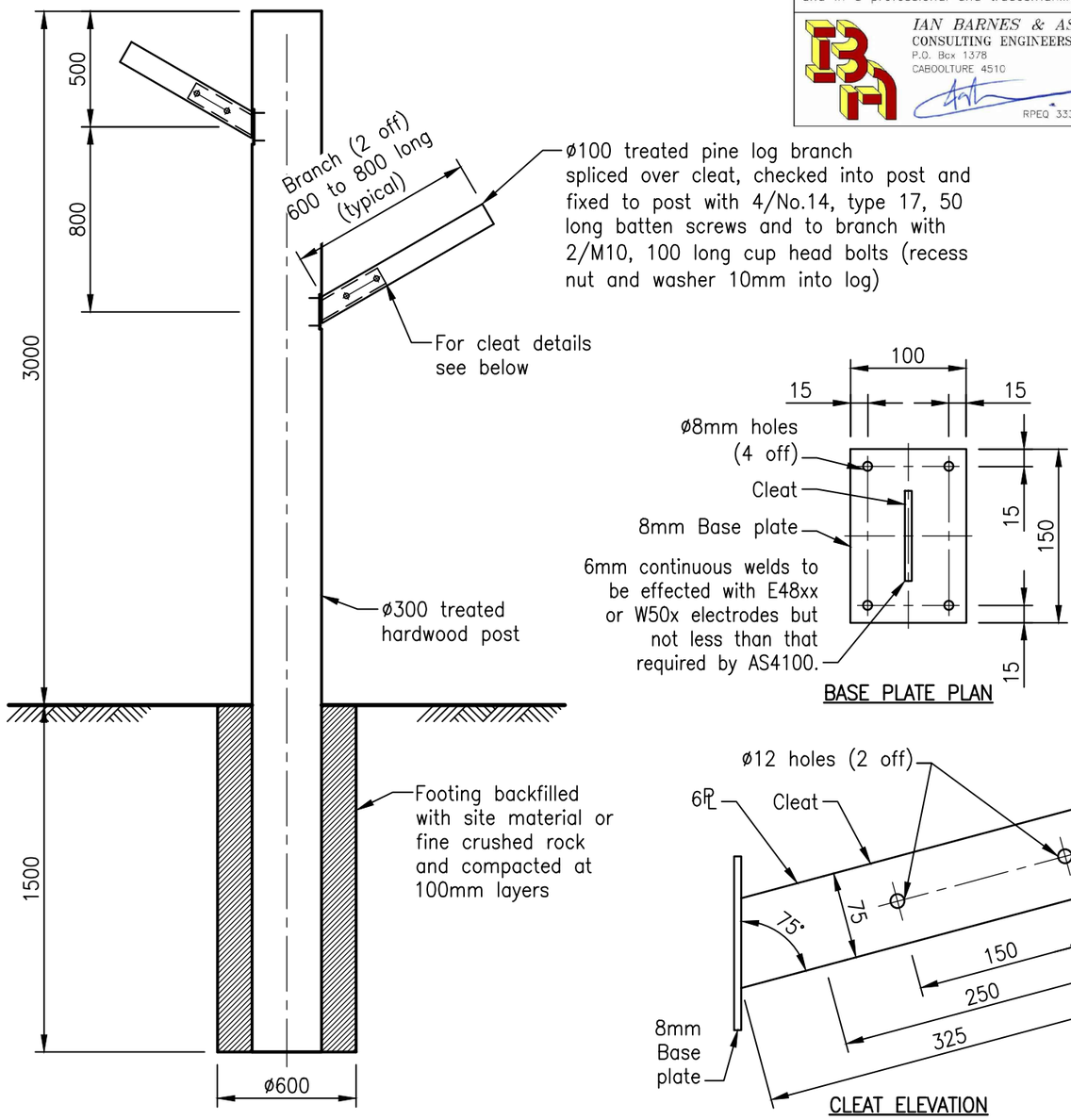
The structural work shown on this drawing is considered to be structurally sound, and suitable for the design loads.

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

IAN BARNES & ASSOCIATES P/Ltd
CONSULTING ENGINEERS
P.O. Box 1378
CABOOLTURE 4510
ABN 70 057802490
Office : 07 5495 8444
Mobile : 0418 873 320
RPEQ 3333
Date : 13/09/2017



FAUNA REFUGE POLE ELEVATION
Scale A

FAUNA REFUGE POLE BRANCH CLEAT DETAILS
Scale B

EXAMPLE PHOTOS
Not to scale

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 0.42mm BMT.
7. Nails to be treated with 'Zenith-Tufcote' 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 (4.9mm) shall be used.
9. Tie wire shall be 1.57mm green PVC coated galvanised wire unless specified otherwise.
5. ISO metric hexagon bolts and screws shall be property class 4.6 to AS1100.
6. Bolts, washers, nuts, screws and nails to be treated with 'Zenith-Tufcote' or 'Buildex-Climacoat' or approved equivalent (unless noted otherwise).
7. Where it is expected the fauna refuge pole will be subjected to flood loading a suitably qualified engineer is to certify footing requirements.

REVISIONS		INIT	DATE
E			
D			
C			
B	Approved by Structural Engineer	TC	7/17
A	Structural Design Note Changed	RH	11/16
X	ORIGINAL ISSUE	BW	07/16

SCALES
A 0mm 100 200 300 400 500 1:25
B 0mm 25 50 75 100 1:5

Drawn	BW	Date	07/16
Coordinator	PP	Date	07/16

AUTHORISED
SYD JERRAM
07/07/16
Manager Integrated Transport Planning & Design
RPEQ 6872

FAUNA REFUGE POLE

Moreton Bay Regional Council

DRG No. GI-0510
ORIGINAL SIZE A3
REVISION B

File name: L:\User_Group\Design_Services\Projects\MBRC Standard Drawings\AutoCAD Files\02 - Green Infrastructure\GI-0510B - Fauna Refuge Poles.dwg
Date: Sep 28, 2017 - 11:05am