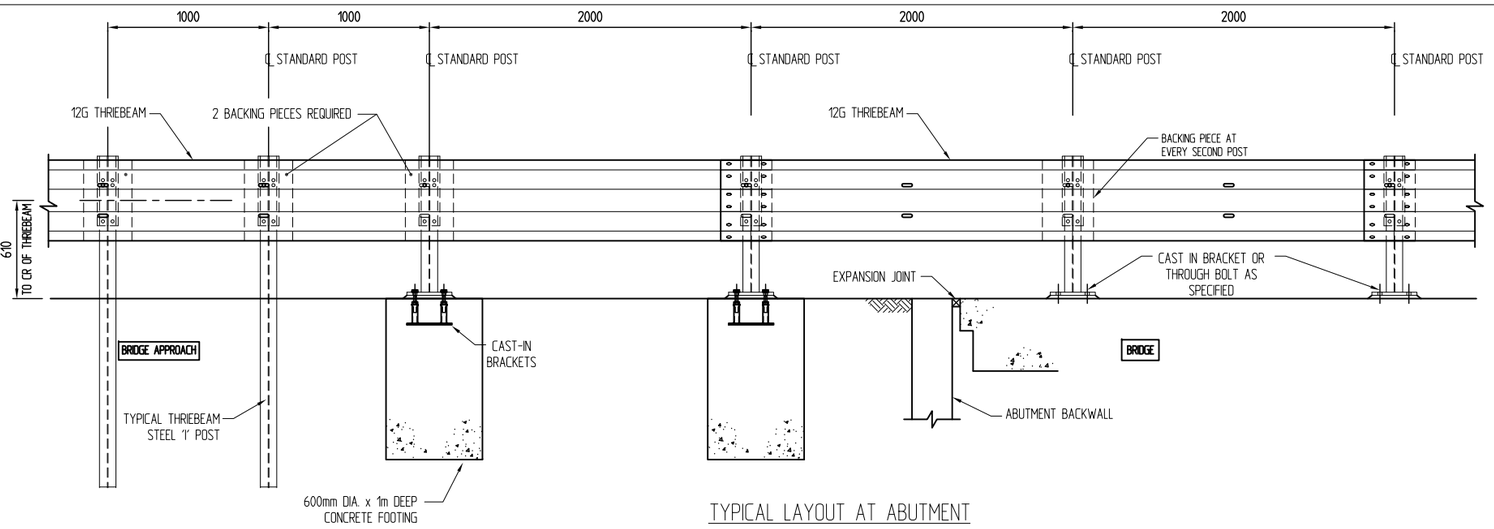
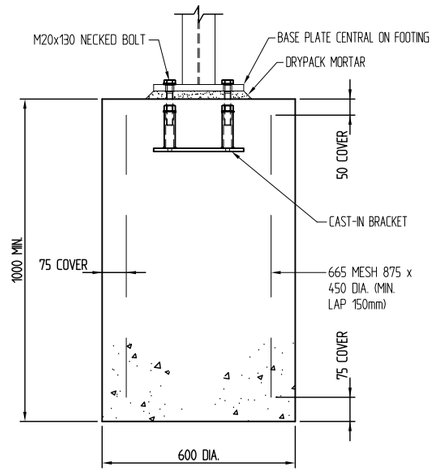
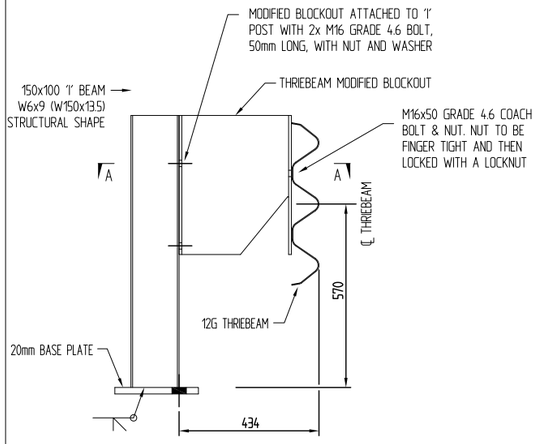


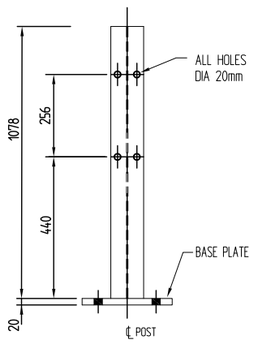
TYPICAL LAYOUT AT ABUTMENT



FOOTINGS ON BRIDGE APPROACHES
(REFER ALSO DRAWING B5)

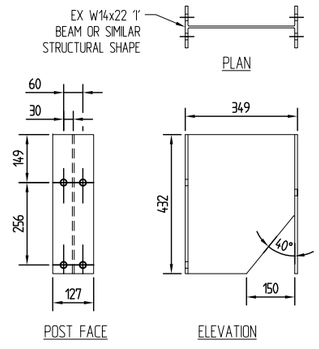


SIDE ELEVATION

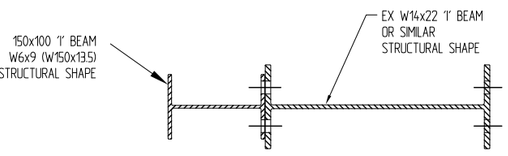


ELEVATION

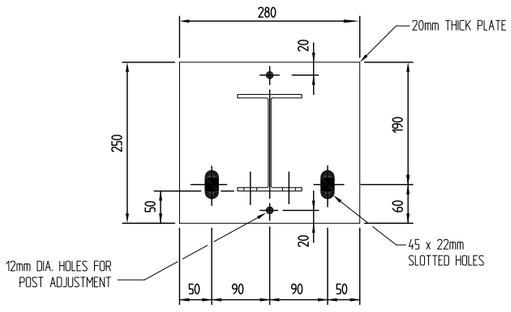
THRIEBEAM POST



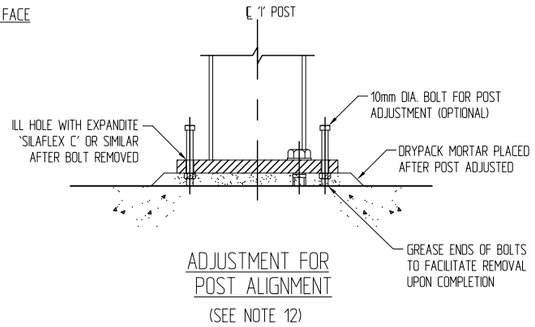
MODIFIED BLOCKOUT



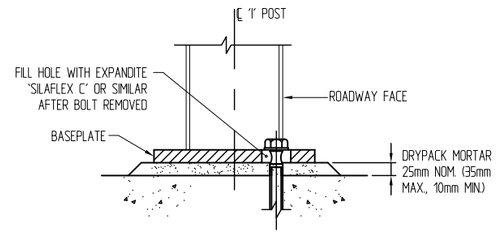
SECTION 'A-A'



BASE PLATE



ADJUSTMENT FOR POST ALIGNMENT
(SEE NOTE 12)



FIXING DETAIL

NOTES:

1. ALL STEELWORK TO BE HOT DIP GALVANISED AFTER FABRICATION TO AS/NZS 4680 AND STRAIGHTENED AFTER GALVANISING IF REQUIRED.
2. ALL STEELWORK EXCEPT THRIEBEAM RAIL TO BE GRADE S275 TO NZS 3415 OR GRADE 250 TO AS/NZS 3678 OR EQUIVALENT.
3. TO ALLOW FOR BRIDGE MOVEMENT, NUTS OF M16 THRIEBEAM/POST FIXING BOLTS TO BE TIGHTENED FINGER TIGHT THEN LOCKED WITH LOCKNUT.
4. THRIEBEAM POSTS SHALL BE PLACED VERTICALLY IN THE TRANSVERSE BRIDGE DIRECTION AND NORMAL TO THE GRADE IN THE LONGITUDINAL BRIDGE DIRECTION.
5. ALL THRIEBEAM PANELS USED WILL BE 12 GAUGE.
6. ALL EXPOSED SHARP EDGES AND CORNERS TO BE SLIGHTLY ROUNDED BY GRINDING BEFORE GALVANISING.
7. ALL WELDING TO BE IN ACCORDANCE WITH AS/NZS 1554.1
8. DRYPACK MORTAR TO BE IN ACCORDANCE WITH NZS 3109.
9. USE OF 10mm DIA BOLTS FOR POST ADJUSTMENT IS OPTIONAL.
10. IF THE GAP BETWEEN BASE PLATE AND DECK SURFACE IS MORE THAN 35mm, A STEEL SHIM PLATE SHALL BE ADDED BELOW THE BASEPLATE, SO THAT THE MORTAR THICKNESS IS WITHIN THE LIMITS SHOWN.

The appropriate layout arrangements shall be redrawn for each project. This drawing shall not be used in contract documents.

Barrier Performance Level 4

No.	Revision	Date
1	W-section guardrail bolt fixing description modified.	07/08/13
0	Re-draft for M23 Appendix B	17/04/12

Approved	Date
J Chisnall	08/13
Endorsed	**Date**
F Tate	08/13

NZ TRANSPORT AGENCY WAKA KOTAHI

Standard Detail

Series Non-Proprietary Bridge Barrier Systems

Title Thriebeam Assembly and Fixing Details (No Top Rail)

Ref./Number B3

Rev. 1