

26 August 2009

Mr Leigh Brown
Australian Construction Products Pty Limited
P.O. Box 342
Milpera
NSW 2213

Dear Mr Brown,

ACP MELT

Your letter dated 12 May 2009 refers.

As stated in our subsequent letter ref. 870/01972 E191275 dated 16 June 2009 full assessment of your "ACP MELT" guard rail terminal has been undertaken, the outcome of which is below.

The information provided by you is:

- Drawing GA009 rev. A
- Drawing GA010 rev. A
- Drawing BPLAS1 rev. A
- Drawing X350PLG rev. A
- Installation Instruction ACP Plastic Block

It is confirmed that your proposal is to change posts 3, 4, 5 and 6 (on a standard DMR MELT, standard drawing 1474E) with so-called X350 posts (as used in the X-Tension Terminal) and to use ACP plastic block-outs (See Figures 1 and 2 on attachment sheet).

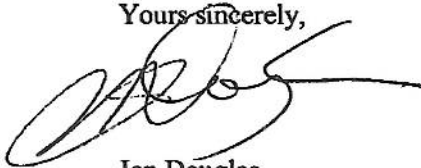
Based on the information provided, it has been determined by independent assessment that changing the posts by incorporating X350 posts in the 3rd, 4th, 5th and 6th positions and the use of the plastic block-outs in the approach terminal and the use of plastic block-outs on the next to the last post in the departure terminal will have marginal if any affect on the performance of the MELT.

As such Queensland Department of Transport and Main Roads deems that the ACP MELT Guardrail End Treatment meets the requirements prescribed in NCHRP 350 as referenced in AS3845 for Test Level 3 and a such is approved for use on State Controlled Roads in Queensland, subject to the following conditions:

1. The product is used only for its intended purpose.
2. You will submit to this office a comprehensive design and installation manual including among other things all necessary drawings, restrictions on usage and instructions for installation, maintenance and repair (note that this acceptance of your product will not become active until that manual is accepted by this office).
3. Any proposed departure from the drawings and specifications supplied for current acceptance shall be subject to a further assessment before the changes are implemented.
4. Any design changes that may adversely influence the crashworthiness of the device will require a new acceptance letter.
5. Installations of the system may be subject to audit verifying compliance with test data. This acceptance will be withdrawn if product materials or manufacturing standards are found to be different, or inferior to, the product standard used in the product assessment.
6. This Department must be informed before making any change to the name under which the product is marketed, to ensure published acceptance information reflects current names.
7. In granting this product acceptance, this Department does warrant or endorse the suitability of the system or its fitness for purpose for other users.
8. This Department does not consent to, or authorise the use, manufacture or sale of any patented device that the supplier is not licensed to use.
9. This Department reserves the right to rescind or modify at any time the product acceptance. Should it be discovered that the qualification testing was flawed, the in-service performance reveals unacceptable safety problems, or that the device being marketed is significantly different from the version that was crash tested, the approval may be modified or revoked.

The DRAFT Product Information Sheet sent herewith indicates the accepted product configurations. Your commentary on the DRAFT Product Information Sheet is requested.

Yours sincerely,



Jon Douglas
Director (Safer Roads)

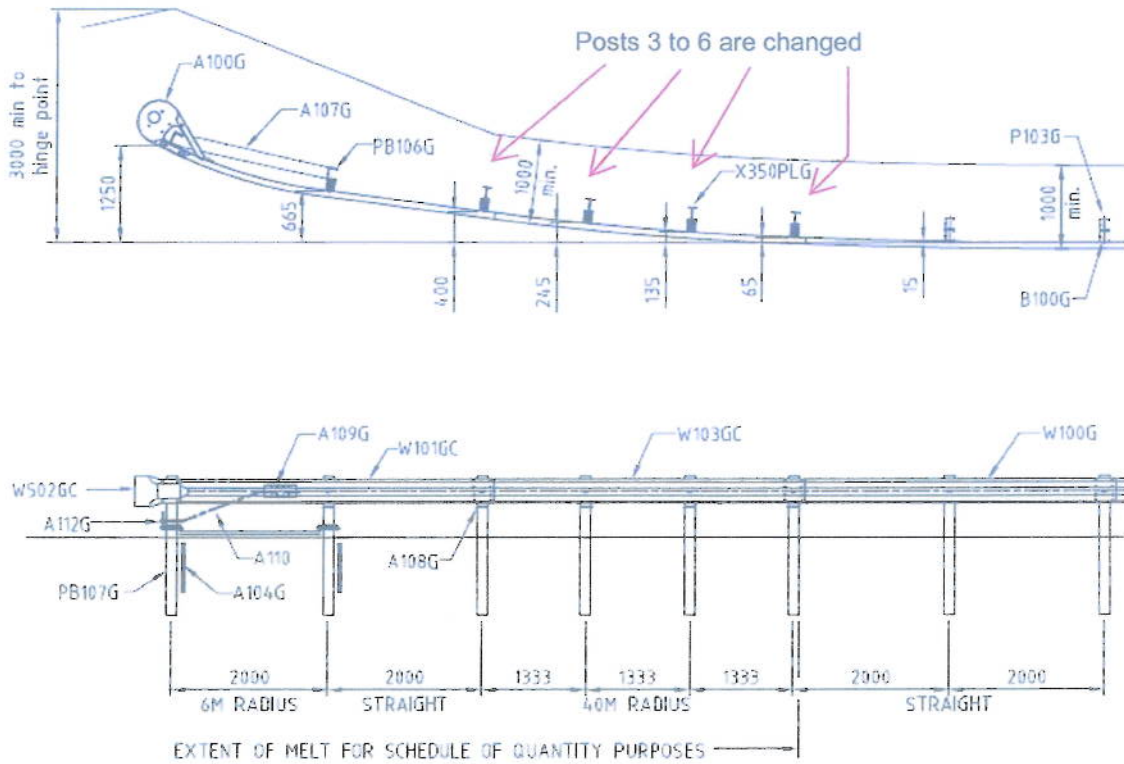


Figure 1. Approach terminal from drawing GA009A showing the changed posts

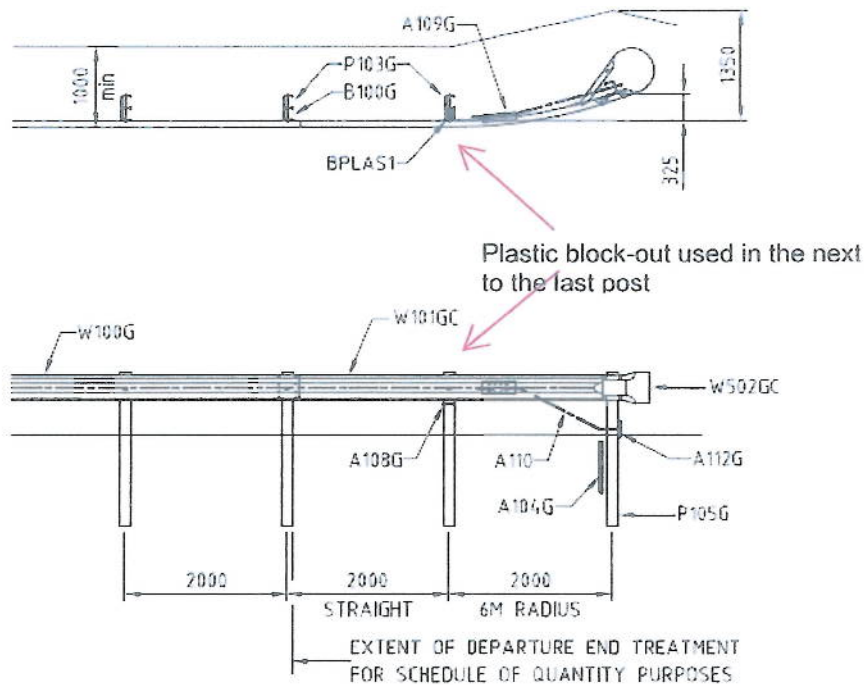


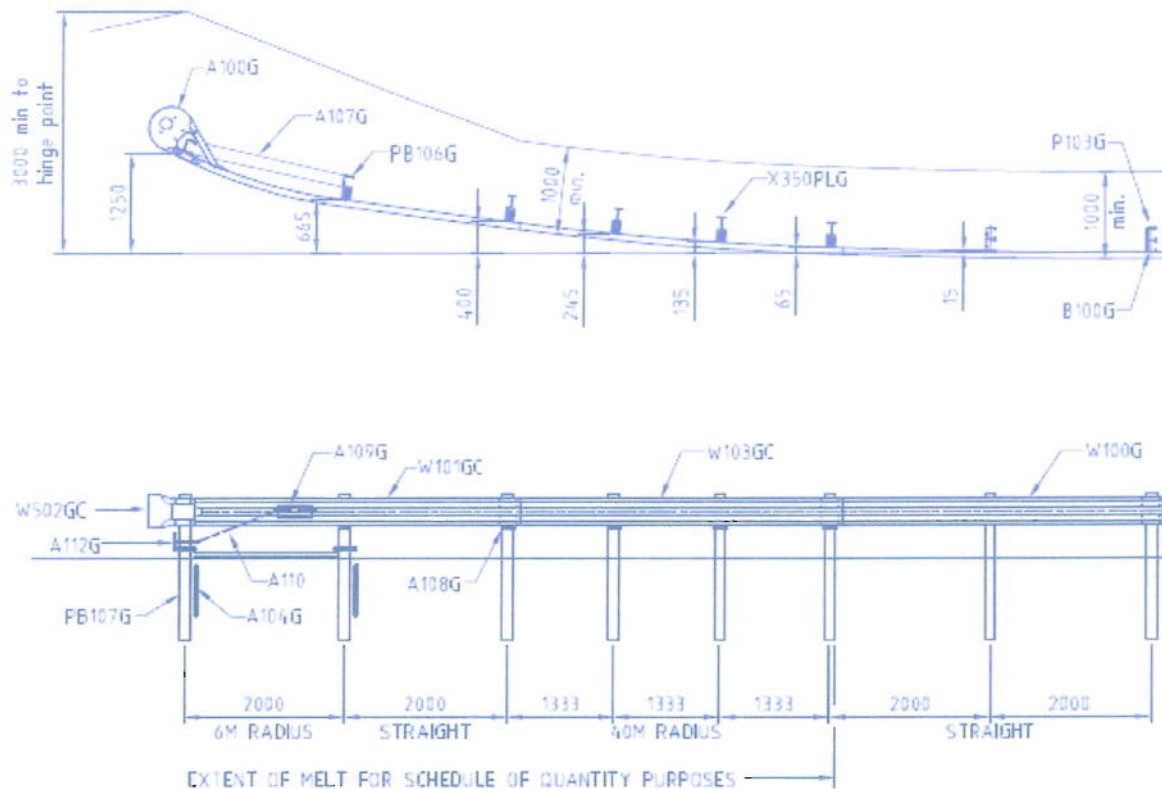
Figure 2. Trailing (or departure) terminal from drawing GA010A showing the use of a plastic block-out in the next top the last post.



DRAFT Compliant Product Data Sheet

ACP MELT (X350 Post System) End Treatment

Revision	Description	Date
AB	Draft	June 2009



The ACP MELT (X350 Post System) is a proprietary flared gating W-beam profile guardrail terminal end treatment, comprising a combination of slip-base and yielding posts (SYT).

Ownership:

Australian Construction Products Pty Ltd
 97 Coulson Street
 Wacol Queensland 4076
 t: 07 3271 9133 f: 07 3271 2355
 Email:- sales@aprod.com.au

Supplier:

As above

Test Level:

Deemed compliant with NCHRP 350 Test Level 3

Design:

- Design and Installation to be in accordance with the ACP MELT Product Manual (**doesn't exist yet**)
- Posts 1 and 2 are slip base posts as per Main Roads' Std. Dwg. 1474.
- Posts 3 to 6 are X350 Posts.

- As the end treatment is gating a run-out area in accordance with the requirements of AS / NZS 3845 Figure F11 should be provided.
- Plastic block-outs have been accepted in this end treatment on an interim basis pending supply of further information from ACP.
- A “departure end” variant of this product does exist.

Configuration:

Cannot be used on crossfalls steeper than 8%.

Cannot be installed behind kerb.

References:

- AS/NZS 3845:1999
- NCHRP 350

THIS DATA SHEET SHALL BE READ IN
CONJUNCTION WITH THE RELEVANT
MANUFACTURER'S INSTALLATION MANUAL

DRAFT