

NETWORK RAIL (Civils Standard Designs & Details)
FORM B: CERTIFICATE OF DESIGN AND CHECKING

(Page 1 of 4)

Title of Scheme: Standard Design & Detail Efficiency Project – Phase 2			
Location Various locations across Network Rail Infrastructure (Various)			
ELR Various	Mileage Various	OS grid ref. Various	Structure No. Various
Document No. NR/CIV/SD/FORMB/310			Revision P2

Part 1: Design

Design organisation: Tony Gee and Partners

I certify that reasonable professional skill and care have been used in the Design of the Scheme (or part of Scheme) identified above, with the objective of ensuring that the Design:

(a) complies with the Approval in Principle recorded on Form A signed by Kim Teager on 11 May 2006 including associated comments by the Professional Head of Civil Engineering in giving endorsement;

(b) complies with the Design standards, codes and methods stated on the above Form A (including any stated departures or dispensations), with the following amendments and/or additions:

NR/SP/CIV/071

(c) is accurately described by the following drawings, schedules, performance, materials and workmanship specifications and other documents:

Document No.	Rev	Title
NR/CIV/SD/FORMA/310	P1	High Tensile Mesh – Form A
NR/CIV/SD/310	P3	Passive Non-Stressed Netting – General
NR/CIV/SD/311	P3	Passive Non-Stressed Netting – Close Netted Face
NR/CIV/SD/312	P3	Passive Non-Stressed Netting – Open Base Loose
NR/CIV/SD/313	P3	Passive Non-Stressed Netting – Closed Base Loose
NR/CIV/SD/314	P3	Passive Non-Stressed Netting – Top Details
NR/CIV/SD/315	P3	Passive Non-Stressed Netting – Base Details
NR/CIV/SD/316	P3	Passive Non-Stressed Netting - Intermediate and Miscellaneous Details

Form B – Appendix A

P2 Designer's Check Statement

Signed <i>Nigel G.A. Yarwood</i>	Title Director
Name (Print) N.G.A. Yarwood	Date <i>4 August 2006</i>
To be signed by the Designer or other person authorised to sign on behalf of the organisation responsible for the Design.	

I certify that the staff who have prepared the above Design are competent to carry out their duties and that they have used reasonable professional skill and care.

Signed <i>Nigel G.A. Yarwood</i>	Title Director
Name (Print) N.G.A. Yarwood	Date <i>4 August 2006</i>
To be signed by the Director or other person authorised to sign on behalf of the organisation responsible for the Design to whom the Designer is responsible.	

NR/CIV/SD/FORMB/310

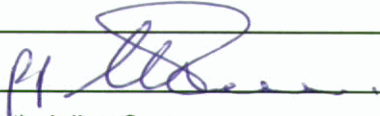
Title of Scheme: Standard Design & Detail Efficiency Project – Phase 2			
Location Various locations across Network Rail Infrastructure (Various)			
ELR Various	Mileage Various	OS grid ref. Various	Structure No. Various
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Part 2: Check Checking organisation: Tony Gee and Partners

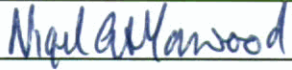
I certify that reasonable professional skill and care have been used in checking the Design of the Scheme (or part of Scheme) identified in Part 1 of this certificate, with the objective of ensuring that the Design:

- (a) complies with the Approval in Principle recorded on Form A signed by Kim Teager on 11 May 2006, including associated comments by the Professional Head of Civil Engineering in giving endorsement;
- (b) complies with the Design standards, codes and methods stated on the above Form A (including any stated deviations or dispensations), with the amendments and/or additions (if any) stated in Part 1 of this certificate: The justification given for these amendments and/or additions is acceptable.

I confirm that the Design was checked as Design Check category II and that the Design Check has been carried out with the independence specified in NR/SP/CIV/003 (formerly RT/CE/S/003).

Signed 	Title Senior Geotechnical Engineer
Name (Print) Julian Case	Date 4 August 2006
To be signed by the Checker or other person authorised to sign on behalf of the organisation responsible for the Design Check.	

I certify that the staff who have completed the above check are competent to carry out their duties and that they have used reasonable professional skill and care.

Signed 	Title Director
Name (Print) N.G.A. Yarwood	Date 7 August 2006
To be signed by the Director or other person authorised to sign on behalf of the organisation responsible for the Design Check to whom the Checker is responsible.	

(Note: for categories I and II the signature above may be the same as that in Part 1.)