

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

(Page 1 of 3)

Title of Scheme: <i>Standard Design Details – Rockfall Netting</i>			
Location: <i>Site Specific Details to be Provided</i>			
ELR: <i>TBC</i>	Mileage: <i>TBC</i>	OS grid ref.: <i>TBC</i>	Structure No.: <i>TBC</i>

(Note: where different Designers and/or Checkers are responsible for different parts of a single Structure, suitable wording shall be added to identify the Lead Designer and/or Lead Checker in accordance with Clause 7.6.)

Part 1: Design Design organisation: Coffey Geotechnics Ltd

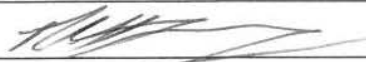
I certify that reasonable professional skill and care have been used in the Design of the Scheme (or part of Scheme) identified above, with the objective of ensuring that the Design:

- (a) complies with the Approval in Principle recorded on Form A signed by Jason Johnston on 29/02/2012, 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:

None

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

NR / CIV / SD / 304	Earthworks - Draped Rock Netting - General Arrangement & Notes
NR / CIV / SD / 307	Earthworks - Contoured Rock Netting – General Arrangement & Notes
NR / CIV / SD / 308	Earthworks - Contoured & Draped Rock Netting Details - Sheet 1 of 2
NR / CIV / SD / 309	Earthworks - Contoured & Draped Rock Netting Details - Sheet 2 of 2

Signed 	Title Senior Engineer
Name (Print) Richard Denney	Date 2nd May 2012
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 	Title Principal
Name (Print) Ian Nettleton	Date 8/5/12
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.	

(Form B – continued)

Part 2: Check

Checking organisation: Coffey Geotechnics Ltd

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 Jason Johnston on 29/02/2012, 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 I 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 PROJECT ENGINEER
Name (Print) CHRISTIAN HOUGHTON	Date 02/05/12
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 Principal
Name (Print) Ian Nettleton	Date 8/5/12
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 checks the signature above may be the same as that in Part 1.)

Part 3: Construction organisation acknowledgement of submission by a sub-contract Designer

The organisation named in Part 1 is engaged as a sub-contractor to the organisation stated below. I formally acknowledge the submission of this certificate to Network Rail in support of our contract*/sub-contract* obligation for provision of the Design of the above Scheme on behalf of (name and address of organisation responsible for Construction Works).

(* Delete as applicable - further acknowledgement section(s) shall be completed where there is more than one layer of sub-contract relationship. Insert "not required" if a direct contract with Network Rail.)

Signed	Not applicable	Title	Not applicable
Name (Print)	Not applicable	Date	Not applicable
To be signed by the Contractor's Responsible Engineer or other person authorised to sign on behalf of the organisation responsible for the Construction Work.			