

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

(Page 1 of 3)

Title of Scheme: Typical REB and TEH Foundation Details			
Location			
ELR	Various	Mileage	Various
OS grid ref.	Various	Structure No.	Various

(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: Network Rail (revisions to Tony Gee &

Partners original drawings)

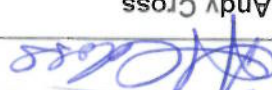
I certify that reasonable professional skill and care have been used in the Design of the Scheme (or part of Scheme) identified above, with the objective of ensuring that the Design:

(a) Complies with the Approval in Principle recorded on Form A signed by K. Teager on 10th May 2007;

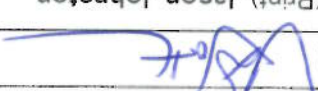
(b) Complies with the Design standards, codes and methods stated on the above Form A (including any stated departures or dispensations), with the following amendments and/or additions: **None**

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

Document No.	Rev	Title
NR/CIV/SD/FORMA/620	P2	Typical REB Foundation Detail.
NR/CIV/SD/620	B	Typical REB Foundation Detail.
NR/CIV/SD/621	B	Typical TEH Foundation Detail.

Signed		Title Senior Design Engineer.
Name (Print) Andy Cross	Date	05 February 2010
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 Programme Engineering Manager Civils
Name (Print) Jason Johnston	Date	05.02.10
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.		

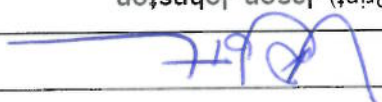
Signed	Not applicable	Title	Not applicable
Name (Print)	Not applicable	Date	Not applicable
To be signed by the Contractor's Responsible Engineer or other person authorised to sign on behalf of the organisation responsible for the Construction Work.			

(* 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.)

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).

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

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

Signed		Title Programme Engineering Manager Civils
Name (Print)	Jason Johnston	Date 05.02.10
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.		

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 Senior Design Engineer
Name (Print)	Alan Dray	Date 18-02-10
To be signed by the Checker or other person authorised to sign on behalf of the organisation responsible for the Design Check.		

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).

- (a) complies with the Approval in Principle recorded on Form A signed by K. Teager on 10th May 2007,
- (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 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:

Part 2: Check Checking organisation: Network Rail

(Form B – continued)