

NETWORK RAIL (Civil Engineering Standard Designs & Details)
FORM B: CERTIFICATE OF DESIGN AND CHECKING (Page 1 of 3)

Title of Scheme: CP4 Standard Design – LOC Bases			
Location: Varies			
ELR: Varies	Mileage: Varies	OS Grid Ref.: Varies	Structure No.: Varies

This Form B is specifically concerned with the installation of the Standard Precast Concrete LOC Bases.

(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 Civils Design Group, Square One, 4 Travis Street, Manchester, M1 2NY.

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 Alan Dray on 25 May 2011, 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:

(State any Design standards, codes, methods or criteria additional to those given on Form A. State also any departures from Design standards, codes or methods further to those given on Form A, with justification.)

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

Doc. No.	Rev	Title
NR-CIV-SD-FORMA-665	P1	
NR-CIV-SD-665	A	Typical Location Case Base Details

(List the relevant documents, each of which must be uniquely identified by number or otherwise, e.g. by title and date. Drawing numbers should include revision letters if applicable.)

Signed: 	Title: Senior Design Engineer
Name: Bob Standring	Date: 17/6/2011
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
Name: Ian Jones	Date: 17/6/2011
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.	

NETWORK RAIL (Civil Engineering Standard Designs & Details)
FORM B: CERTIFICATE OF DESIGN AND CHECKING (Page 2 of 3)

Title of Scheme: CP4 Standard Design – LOC Bases			
Location: Varies			
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Part 2: Check

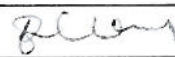
Checking organisation:

Network Rail Civils Design Group, Square One, 4 Travis Street, Manchester, M1 2NY.

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 Alan Dray on 25 May 2011, 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.... (insert I, II or III)* 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: Design Engineer
Name: Noel Ndlovu	Date: 17.06.2011
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: Senior Design Engineer
Name: Bob Standing CEng MICE	Date: 17/6/2011
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: 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.	