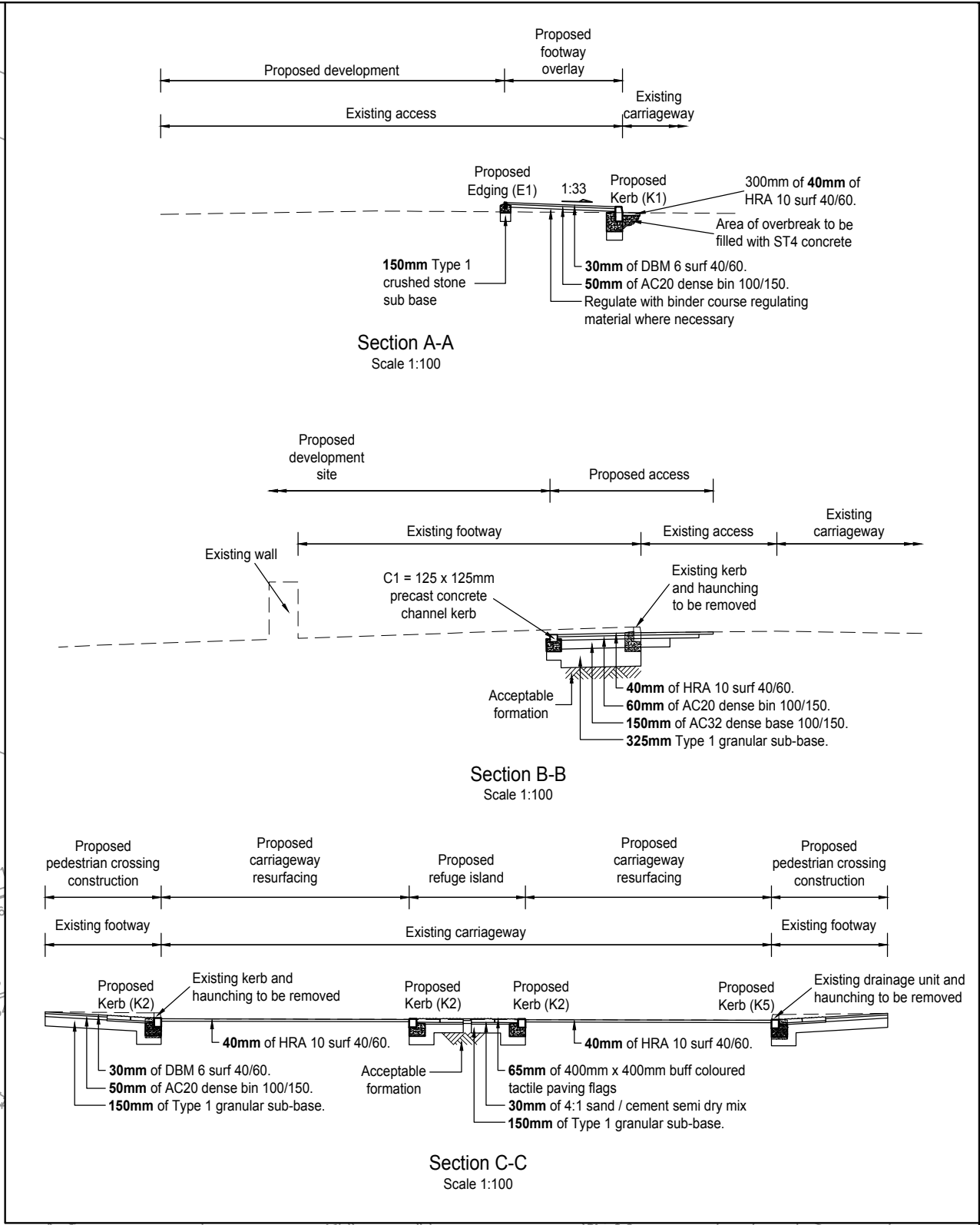
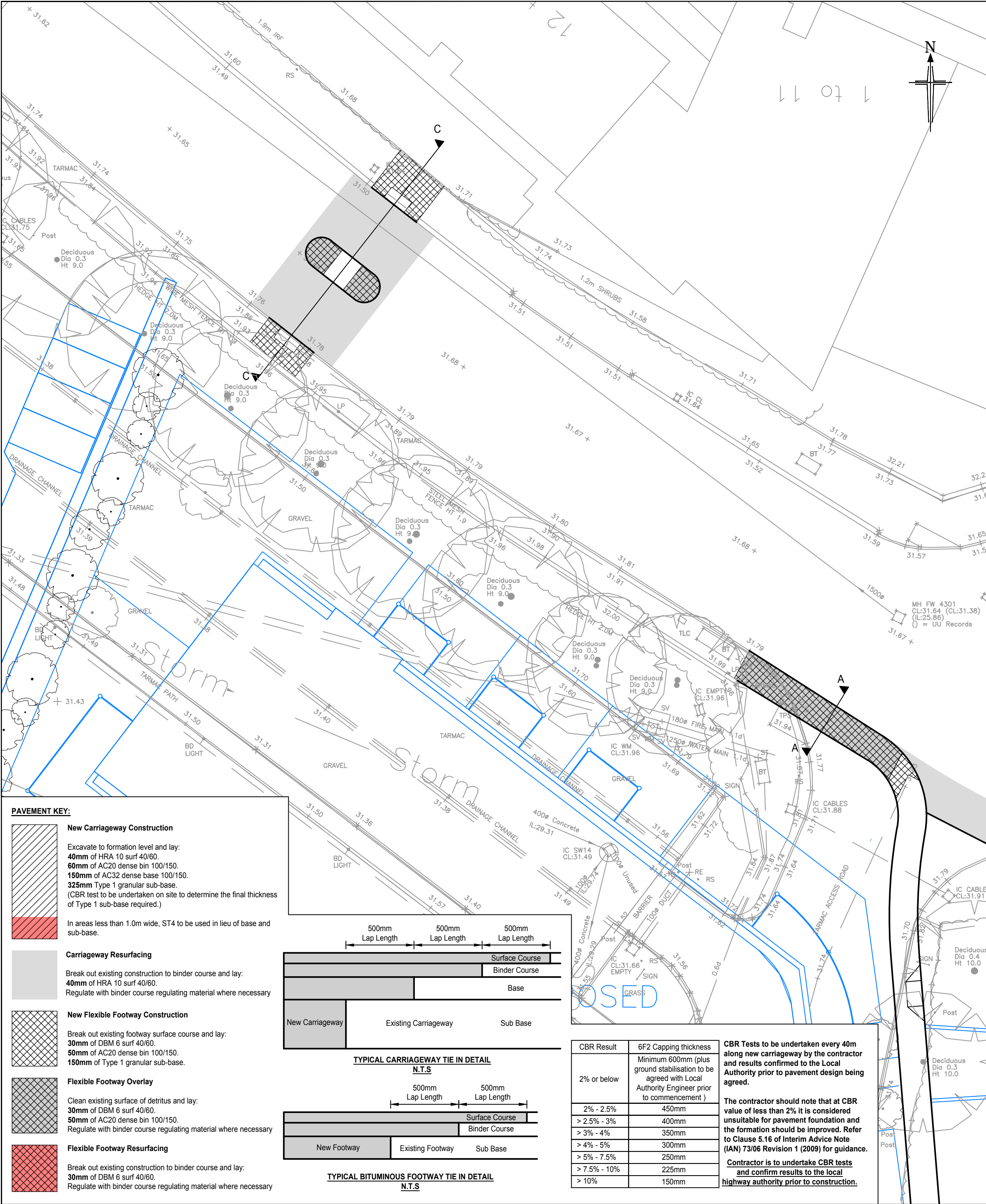




This drawing is copyright and shall not be reproduced nor used for any other purpose without the written permission of the Bryan G Hall Ltd. This drawing must be read in conjunction with all other related drawings and documentation.

It is the contractors responsibility to ensure full compliance with the Building Regulations. Do not scale from this drawing, use figured dimensions only. It is the contractors responsibility to check and verify all dimensions on site. Any discrepancies to be reported immediately.

IF IN DOUBT ASK.

Materials not in conformity with relevant British or European Standards/Codes of practice or materials known to be deleterious to health & safety must not be used or specified on this project.

- NOTES:
- All works shall be carried out in accordance with 'The standard Specification for Highway works', unless otherwise instructed by the local inspecting officer.
 - Refer to series 900 of Volume 1 of the Manual of Contract Documents for Highway Works for road pavements and bituminous bound material specifications.
 - voids formed in the existing carriageway by removal of kerbs, etc from existing traffic islands shall be filled with concrete mix ST4.
 - The vertical joint between existing and new surfacing shall be painted with 100 pen bitumen.
 - The edge of existing carriageway to be saw cut back 300mm to sound face or as directed by the engineer.
 - Cationic bituminous emulsion shall be applied to all surfaces receiving H.R.A., D.B.M. and Thin Surfacing.
 - The contractor is to provide and maintain a pedestrian route through the works at all times and absolutely defined by suitable barriers and lights where necessary.
 - The contractor is obliged to obtain necessary road opening notices or licenses prior to commencement of the works.
 - All statutory undertakers covers and frames to be lifted to suit new carriageway levels prior to surfacing.
 - All paving details to tie into existing.
 - Before proceeding with the construction work, the setting out lines are to be agreed with the Engineer.
 - Where carriageway widening is undertaken in widths less than 750mm concrete sub-base should be used in lieu of the sub-base and base course.
 - No limestone aggregate to be used where binder course may form a temporary running lane to public vehicles.
 - Final surfacing should not be laid until all the works by Statutory Undertakers are complete.

PAVEMENT KEY:

New Carriageway Construction

Excavate to formation level and lay:
40mm of HRA 10 surf 40/60.
60mm of AC20 dense bin 100/150.
150mm of AC32 dense base 100/150.
325mm Type 1 granular sub-base.
(CBR test to be undertaken on site to determine the final thickness of Type 1 sub-base required.)

In areas less than 1.0m wide, ST4 to be used in lieu of base and sub-base.

Carriageway Resurfacing

Break out existing construction to binder course and lay:
40mm of HRA 10 surf 40/60.
Regulate with binder course regulating material where necessary

New Flexible Footway Construction

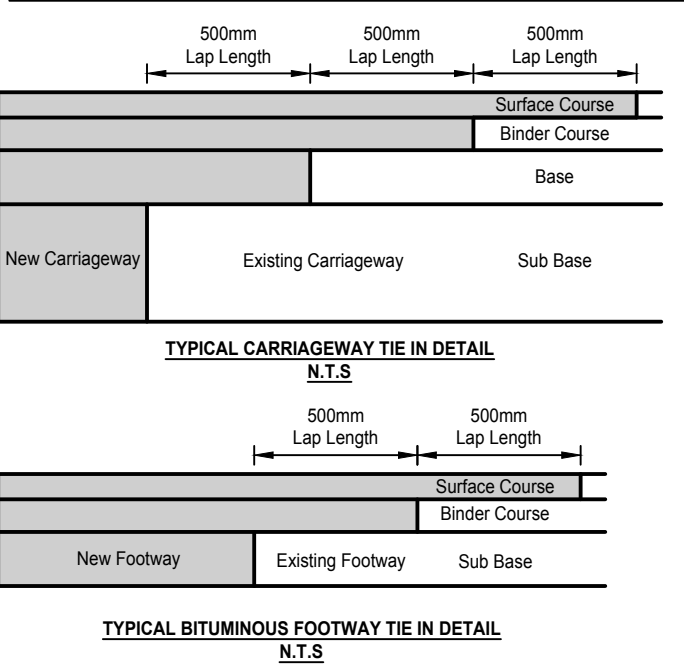
Break out existing footway surface course and lay:
30mm of DBM 6 surf 40/60.
50mm of AC20 dense bin 100/150.
150mm of Type 1 granular sub-base.

Flexible Footway Overlay

Clean existing surface of detritus and lay:
30mm of DBM 6 surf 40/60.
50mm of AC20 dense bin 100/150.
Regulate with binder course regulating material where necessary

Flexible Footway Resurfacing

Break out existing construction to binder course and lay:
30mm of DBM 6 surf 40/60.
Regulate with binder course regulating material where necessary



CBR Result	6F2 Capping thickness
2% or below	Minimum 600mm (plus ground stabilisation to be agreed with Local Authority Engineer prior to commencement)
2% - 2.5%	450mm
> 2.5% - 3%	400mm
> 3% - 4%	350mm
> 4% - 5%	300mm
> 5% - 7.5%	250mm
> 7.5% - 10%	225mm
> 10%	150mm

CBR Tests to be undertaken every 40m along new carriageway by the contractor and results confirmed to the Local Authority prior to pavement design being agreed.

The contractor should note that at CBR value of less than 2% it is considered unsuitable for pavement foundation and the formation should be improved. Refer to Clause 5.16 of Interim Advice Note (IAN) 73/06 Revision 1 (2009) for guidance.

Contractor is to undertake CBR tests and confirm results to the local highway authority prior to construction.

B04/10/18

Additional carriageway hatching added

MM

CT

A03/07/18

Drawing amended to reflect existing highway boundary

MM

CT

Rev:

Date:

Amendment:

DRN

CHK

BRYAN G HALL

CONSULTING CIVIL & TRANSPORTATION PLANNING ENGINEERS

Copyright Reserved Bryan G Hall Ltd.

highways@bryanhall.co.uk

www.bryanhall.co.uk

Suite E15 | Josephs Well
Hanover Walk | LEEDS | LS3 1AB
T 0113 246 1555
F 0113 234 2201

Lighterman House
26/36 Wharfedale Road
LONDON | N1 9RY
T 0203 553 2336

Client:

P. J. LIVESEY LIVING SPACE LTD

Status:

FOR APPROVAL

Scale:

1:200
A2 - 420 x 594

Drawn:

MM

Checked:

CT

Project:

NELL LANE
MANCHESTER

Title:

CONSTRUCTION DETAILS

Drawing No:

18/124/DE/700/001

Revision:

B

Job No:

18-124

Date:

26/02/18