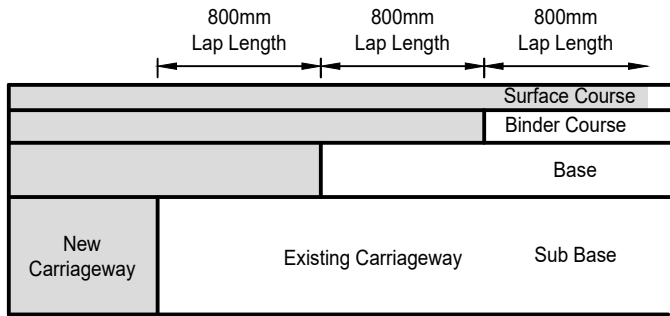
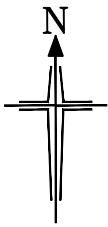
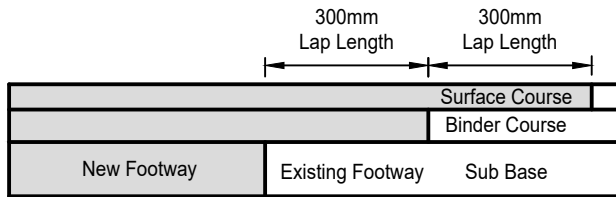




TYPICAL CARRIAGEWAY TIE IN DETAIL
N.T.S

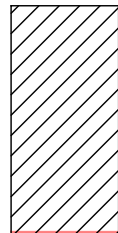


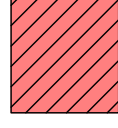
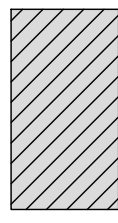
TYPICAL BITUMINOUS FOOTWAY TIE IN DETAIL
N.T.S

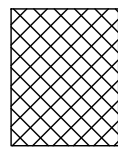
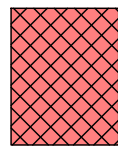
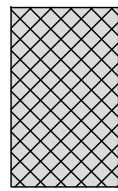
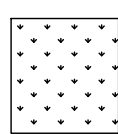
	Foundation Depths with Capping Layer			Sub-base Only
CBR Value %	Capping (mm)	Sub-base (mm)		Sub-base (mm)
Less Than 2.5	Ground remediation will need to be considered to improve sub-grade CBR			
2.5	250	350	OR	450
3	240	320		420
4	230	270		370
5 to 15	210	240		330
Greater Than 15	150	150		200

MINIMUM CONSTRUCTION DEPTH TO BE 450MM FOR
FROST SUSCEPTIBILITY

KEY:

- **New Carriageway Construction**
30mm AC.6 dense Surf 100/150
55mm AC.20 dense bin 100/150
85mm AC.32 dense base / bin 100/150

For foundation detail refer to sub-base / capping layer Type 1 1 sub-base / CBR table
- **In areas less than 1.0m wide:**
30mm AC.6 dense Surf 100/150
55mm AC.20 dense bin 100/150
350mm of Type ST4 concrete in lieu of base course and granular sub-base
- **Carriageway Resurfacing**

Coldmill existing carriageway surface course and lay:
Minimum 800mm wide lap lengths
30mm AC.6 dense Surf 100/150
55mm AC.20 dense bin 100/150
150mm AC.32 dense base / bin 100/150
As per stepped tie-in detail
- **New Flexible Footway Construction**
Excavate to footway formation level
25mm AC.6 dense surf 100/150
40mm AC.20 dense bin 100/150
100mm D.O.T Type 1 granular sub-base
- **New Flexible Footway Vehicular Crossing**
Excavate to footway formation level
25mm AC.6 dense surf 100/150
60mm AC.20 dense bin 100/150
150mm D.O.T Type 1 granular sub-base
- **Flexible Footway Overlay**
Clean existing surface of detritus and lay:
25mm AC.6 dense surf 100/150
40mm AC.20 dense bin 100/150
Regulate with binder course regulating material where necessary
- **New Grass Verge**
150mm Topsoil and seed
Class 4 material to underside of topsoil where required

TWITTER, TWEET, RETWEET and the Twitter logo are trademarks of Twitter, Inc. or its affiliates.

LinkedIn, the LinkedIn logo, the IN logo and InMail are registered trademarks or trademarks of LinkedIn Corporation and its affiliates in the United States and/or other countries.

Bryan G Hall Ltd. Registered in England & Wales Co No. 4104802

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.

Bryan G Hall Limited has not checked or verified, and shall therefore not be liable for any inaccuracies which may be attributable to any base plan(s) reports, data or information provided by the client, or purchased by the consultant on the client's behalf, that may have been utilised within this drawing.

Bryan G Hall Limited shall not be liable for the use of this or any associated document, for any purpose, by any person other than that for which they were provided.

It remains the client's and/or its appointed contractor's responsibility to check for any discrepancies. Any anomalies discovered must be reported immediately to Bryan G Hall Limited for verification.

The locations of utilities apparatus, if shown, have been reproduced from plans supplied to Bryan G Hall Limited. Although care has been taken when duplicating this information, these locations are approximate only. No guarantee can be given by Bryan G Hall Limited for their accuracy. It is the client's or its appointed agent/contractor's responsibility to verify the exact locations on site by appropriate means prior to mechanical excavation.

NOTES:

- All works shall be carried out in accordance with 'The standard Specification for Highway works' and Local Highways Authorities Specification 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 ST2.
- 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 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 1m, 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.
- When new kerbs are to be installed, a 300mm carriageway step tie in is to be undertaken at time of installation.
- Paving not to be laid in conditions deemed too cold.
- In all areas of resurfacing, sub-base is to be proof rolled before construction work commences.
- Bituminous spray type K1-40 to be applied to all planned surfaces.

A	09.07.24	Drawing amended to reflect latest highway layout with existing private residential access to be retained	CT		
Rev:	Date:	Amendment:	DRN	CHK	APR

BRYAN G HALL

CONSULTING CIVIL & TRANSPORTATION PLANNING ENGINEERS

LEEDS T 0113 246 1555

LONDON T 0203 5532336

Suite E15 | Josephs Well
Hanover Walk | LEEDS | LS3 1AB

W www.bryanghall.co.uk
E transportleeds@bryanghall.co.uk

Client: ORION HOMES

Status: FOR APPROVAL

Scale: 1:250
Size: A2 - 594 x 420
Drawn: CT
Chkd: BR
Appvd: JP

Project: WHITEHALL ROAD, BIRKENSHAW

Title: PAVEMENT DETAILS

Drawing No: 24/230/DE/700/001
Job No: 24-230
Revision: A
Date: 25.06.24



Copyright Reserved Bryan G Hall Ltd.