

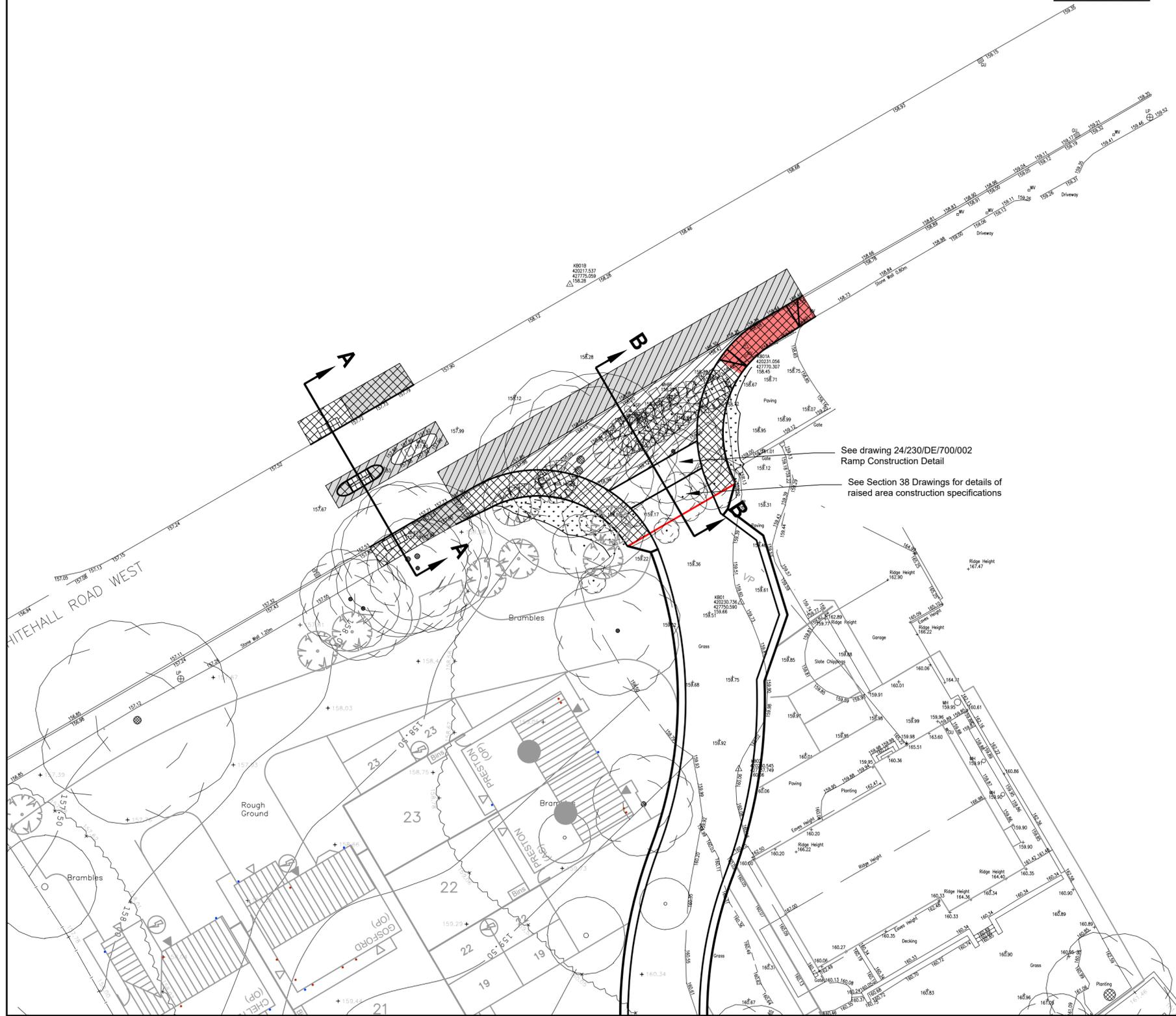
CBR Value %	Foundation Depths with Capping Layer		Sub-base Only
	Capping (mm)	Sub-base (mm)	
Less Than 2.5	Ground remediation will need to be considered to improve sub-grade CBR		
2.5	250	350	450
3	240	320	420
4	230	270	370
5 to 15	210	240	330
Greater Than 15	150	150	200

OR

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 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



See drawing 24/230/DE/700/002 Ramp Construction Detail
See Section 38 Drawings for details of raised area construction specifications

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- 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	

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Client: **ORION HOMES**

Status: **FOR APPROVAL**

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

Project: **WHITEHALL ROAD, BIRKENSRAW**

Title: **PAVEMENT DETAILS**

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