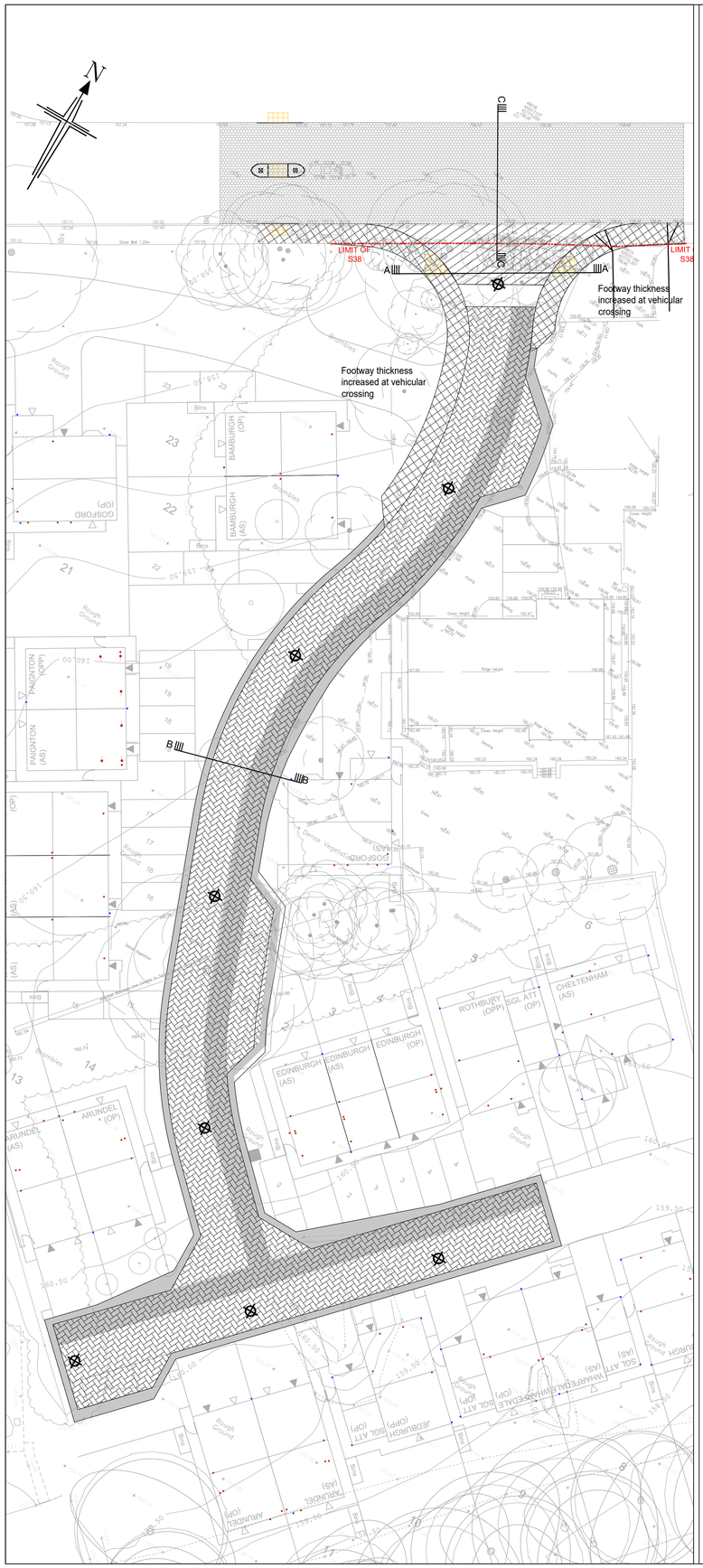
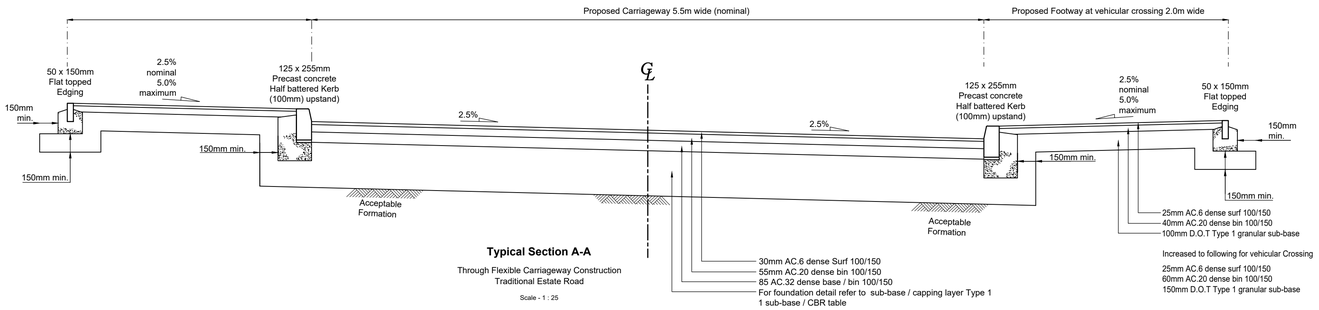
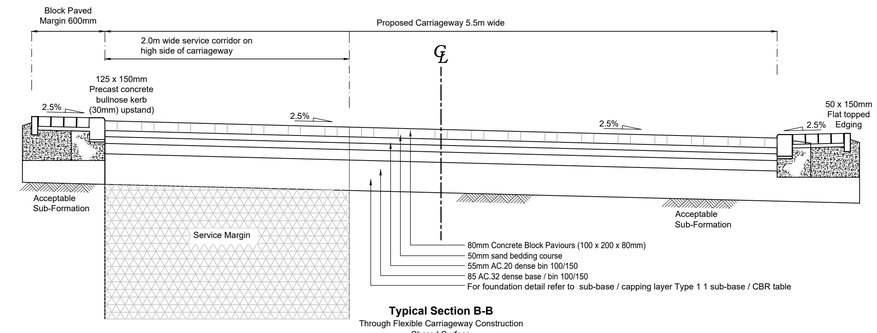




Typical Section A-A

Through Flexible Carriageway Construction
Traditional Estate Road

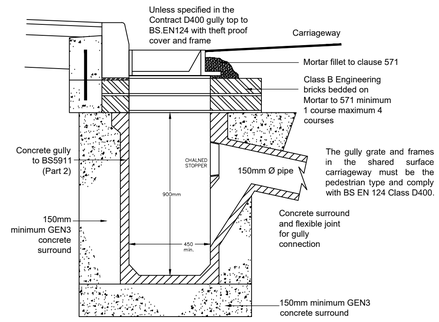
Scale - 1 : 25



Typical Section B-B

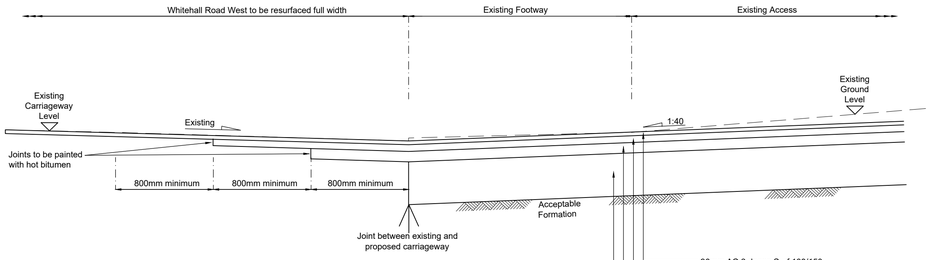
Through Flexible Carriageway Construction
Shared Surface

Scale - 1 : 25



Typical Gully Detail

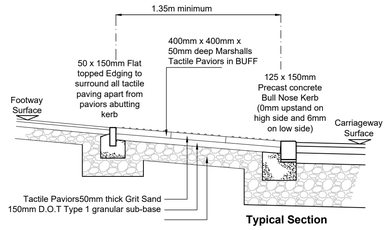
Not To Scale



Typical Section C-C

Carriageway Reinstatement, Resurfacing and Tie In Detail

Scale - 1 : 25



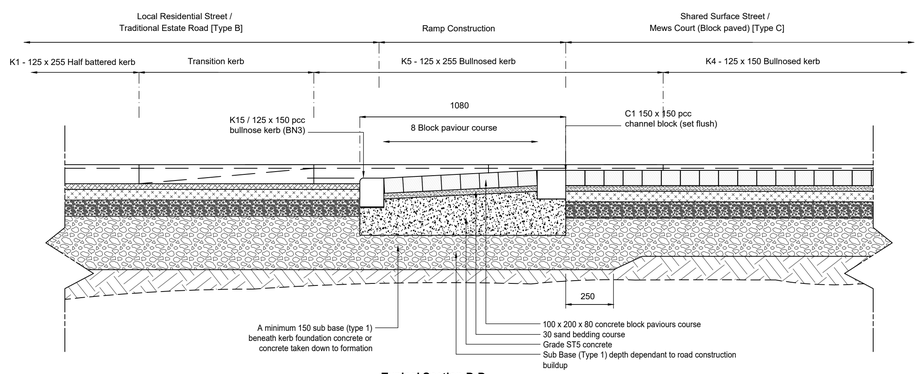
Typical Section

Tactile Paving

Scale - 1 : 25

Pavement Foundation Design Local Residential Street / Traditional Estate Road (Type B)							
CBR %		< 2.5	2.5 to 3.0	3.0 to 4.0	4.0 to 5.0	5.0 to 15.0	> 15.0
Sub Base Only	Sub Base (Type 1) Depth	Ground remediation required to improve sub-grade CBR	450	420	370	330	280*
OR			OR				
Sub Base on Capping	Sub Base (Type 1) Depth		350	320	280*	280*	280*
	Capping Depth		250	240	230	210	150
* Minimum required type 1 sub base depth to achieve 450mm of non-frost susceptible material.							

Pavement Foundation Design Shared Surface Street (Type C) Mews Court (Block Paved)							
CBR %		< 2.5	2.5 to 3.0	3.0 to 4.0	4.0 to 5.0	5.0 to 15.0	> 15.0
Sub Base Only	Sub Base (Type 1) Depth	Ground remediation required to improve sub-grade CBR	450	420	370	330	200*
OR			OR				
Sub Base on Capping	Sub Base (Type 1) Depth		350	320	270	240	200*
	Capping Depth		250	240	230	210	150
* Minimum required type 1 sub base depth to achieve 450mm of non-frost susceptible material.							



Typical Section D-D

Ramp Detail

Scale - N.T.S.

NOTES:

1. CBR testing should comprise 450mm or 600mm diameter Plate Bearing Tests. Until test results are available, the developer should assume a highway pavement foundation design (See Table) appropriate for a CBR of 2.5%.
2. For highway foundation pavement construction, the lowest CBR test result shall be used for design.
3. Where CBR values of less than 2.5 are recorded a ground remediation/ improvement strategy will be required to improve the subgrade CBR. No works shall take place until such remediation strategy has been approved. Add a warning note to all relevant drawings.
4. Test certificates are required for all tests undertaken.
5. The Kirklees S38 inspector shall be given reasonable advanced notice of the proposed dates and times for site CBR testing.
6. All earthworks are to be carried out in accordance with Specification for Highway Works Series 600 Earthworks (SHW).
7. Failure to comply with the above requirements, may result with an extended maintenance period or prevent adoption under any proposed S38 agreement

Unrecorded Watercourses/ Springs- Where previously un-identified/ unrecorded watercourses or springs are found on site during the construction phase, such details must be brought to the attention of Kirklees LLFA Paul Farndale Email: paul.farndale@kirklees.gov.uk together with your proposals for the management (collection, diversion etc.) of such features'

Site Investigation details can be found in the following reports - Phase 1 Geoenvironmental Desk Study, Ref. G-22-009, March 2022. Phase 2 Ground Investigation Report Ref G-22-009 April 2022

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IF IN DOUBT ASK.

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KEY:

Traditional Estate Road 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

Shared Surface Road Carriageway Construction
80mm Concrete Block Paviours (100 x 200 x 80mm)
50mm sand bedding course
55mm AC.20 dense bin 100/150
85 AC.32 dense base / bin 100/150
For foundation detail refer to sub-base / capping layer Type 1 1 sub-base / CBR table

Flexible Footway Construction
25mm AC.6 dense surf 100/150
40mm AC.20 dense bin 100/150
100mm D.O.T Type 1 granular sub-base

Hard Margin Construction
80mm thick concrete block paviors (Brindle Colour)
30mm thick laying sand
150mm thick ST5 Concrete

Carriageway Reinstatement / Resurfacing Detail
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

Service Margin
2.0m minimum Service Margin at Shared Surface.
Located on high side of carriageway

CBR Plate Test Location
Approximate location of CBR Plate Test.

Exact location to be agreed onsite with Kirklees Council and results confirmed on receipt

Rev:	Date:	Amendment:	DRN	CHK	APR
H	29.09.25	Plans updated in accordance with comments received from Kirklees Council 26 September 2025	IE		
G	07.08.25	Works on Whitehall Road West updated	IE		
F	02.07.25	Architects' plan updates and associated revisions	IE		
E	07.02.25	Architects' plan updates and associated revisions	EH		
D	05.07.24	Site layout and associated updates made	IE		
C	10.06.24	Site layout and associated updates made	IE		
B	23.05.24	Site layout updated including visitor parking bays	IE		
A	16.05.24	Site layout and associated updates made	IE		

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Client: Orion Homes

Status:

Scale: 1:250
Size: A1 - 841 x 594
Drawn: IE
Chkd: NB
Appvd:

Project: Residential Development, Whitehall Road West, Birkenshaw

Title: Pavements Details and Typical Details

Drawing No: 23/341/700/001
Revision: H
Job No: 23-341
Date: 20.02.24

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