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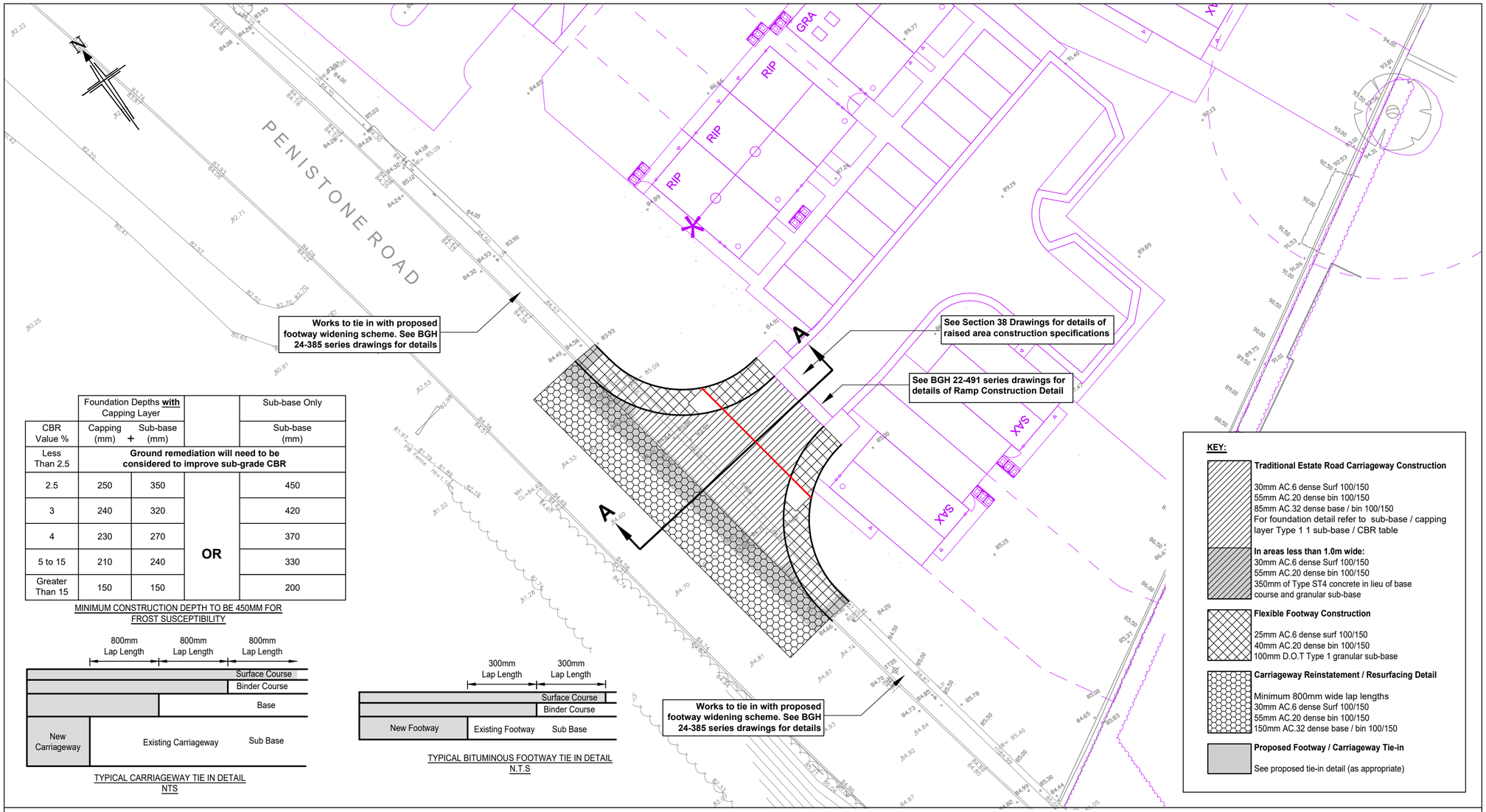


	Foundation Depths **with** Capping Layer			Sub-base Only
CBR Value %	Capping (mm) +	Sub-base (mm)		Sub-base (mm)
Less Than 2.5	**Ground remediation will need to be considered to improve sub-grade CBR**			
2.5	250	350		450
3	240	320		420
4	230	270	**OR**	370
5 to 15	210	240		330
Greater Than 15	150	150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

MINIMUM CONSTRUCTION DEPTH TO BE 450MM FOR FROST SUSCEPTIBILITY

TYPICAL CARRIAGEWAY TIE IN DETAIL
NTS

TYPICAL BITUMINOUS FOOTWAY TIE IN DETAIL
N.T.S

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

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

Flexible Footway Construction

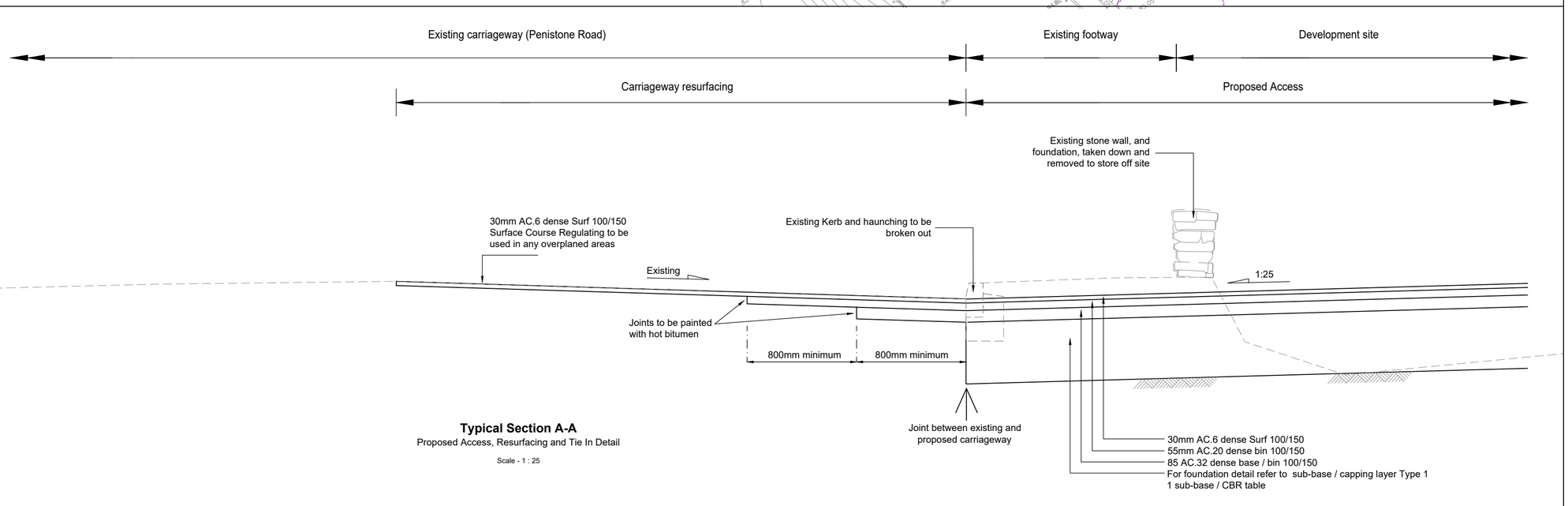
25mm AC.6 dense surf 100/150
40mm AC.20 dense bin 100/150
100mm D.O.T Type 1 granular sub-base

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

Proposed Footway / Carriageway Tie-in

See proposed tie-in detail (as appropriate)



Typical Section A-A
Proposed Access, Resurfacing and Tie In Detail

Scale - 1 : 25

NOTES:

1. 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.

2. Refer to series 900 of Volume 1 of the Manual of Contract Documents for Highway Works for road pavements and bituminous bound material specifications.

3. Voids formed in the existing carriageway by removal of kerbs, etc from existing traffic islands shall be filled with concrete mix ST2.

4. The vertical joint between existing and new surfacing shall be painted with 100 pen bitumen.

5. The edge of existing carriageway to be saw cut back 300mm to sound face or as directed by the engineer.

6. Cationic bituminous emulsion shall be applied to all surfaces receiving H.R.A., D.B.M. and Thin Surfacing.

7. The contractor is to provide and maintain a pedestrian route through the works at all times defined by suitable barriers and lights where necessary.

8. The contractor is obliged to obtain necessary road opening notices or licenses prior to commencement of the works.

9. All statutory undertakers covers and frames to be lifted to suit new carriageway levels prior to surfacing.

10. All paving details to tie into existing.

11. Before proceeding with the construction work, the setting out lines are to be agreed with the Engineer.

12. 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.

13. No limestone aggregate to be used where binder course may form a temporary running lane to public vehicles.

14. Final surfacing should not be laid until all the works by Statutory Undertakers are complete.

15. When new kerbs are to be installed, a 300mm carriageway step tie in is to be undertaken at time of installation.

16. Paving not to be laid in conditions deemed too cold.

17. In all areas of resurfacing, sub-base is to be proof rolled before construction work commences.

18. Bond Coats/Tack coats used to facilitate sealing and curing shall consist of either bitumen emulsion complying with BS EN 13808 or paving grade bitumen complying with BS EN 12591. They shall be CE marked and the Contractor shall submit the declaration of performance to the Overseeing Organisation prior to their application.

Rev:	Date:	Amendment:	DRN	CHK	APR

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Client: NEWETT HOMES

Status: FOR APPROVAL

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

Project: RESIDENTIAL DEVELOPMENT
PENISTONE ROAD, FENAY BRIDGE

Title: PROPOSED SOUTHERN ACCESS WORKS
PAVEMENT DETAILS AND TYPICAL SECTIONS

Drawing No: 24/405/DE/700/001
Job No: 24-405
Revision:
Date: 05.11.24

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