

HIGHWAY WORKS – GENERAL

H1. All works within the adopted highway to be carried out under a Section 278 Agreement with Knowsley MBC. No works on the highway until the agreement is completed.

H2. Materials and workmanship to the Specification for Highway Works (MCHW Volume 1). Construction details to the Highway Construction Details (MCHW Volume 3).

H3. The contractor to be NRSWA accredited, hold £10m public liability insurance, and obtain all permits from Knowsley MBC Street Works. Traffic management to Chapter 8.

H4. Bellmouth construction:

Surface course: 45mm HRA Type F 55/14, or 30mm SMA 10 surf
Binder course: 65mm AC 20 dense bin 40/60 rec
Base course: 100mm AC 32 dense base 100/150 rec
Sub-base: 250mm Type 1 to Clause 803

A bond coat is to be applied between all layers.

H5. Saw Cut and Bond – Tie-in to Existing Netherley Road Carriageway

Existing carriageway to be saw-cut to a clean, straight, vertical face along the line of the tie-in. Cut line to be set back into sound material, clear of any cracking, edge break-up or deformation, and agreed on site with Knowsley MBC before cutting. Break-out without saw-cutting is not permitted.

Each bituminous layer to be saw-cut and stepped back a minimum of 300mm from the layer below, as shown on Section B-B, so that no vertical joint runs through the full pavement depth. Existing layers are not to be undermined during excavation.

All cut faces and exposed horizontal surfaces to be cleaned, dried and free from loose material, dust and standing water before surfacing.

Bond coat to SHW Clause 920 to be applied to all vertical cut faces and to each horizontal step before the new layer is laid, and between all new bituminous layers. Application rates to be in accordance with SHW Clause 920 and BS 594987.

New material to be compacted tight against the cut face so the finished joint is flush with the existing surface, with no step or depression.

Surface course joint to be sealed with a hot-applied polymer-modified bitumen overband sealant, kept to the minimum width necessary, to prevent water ingress.

H6. Kerbs to BS EN 1340 and MCHW Volume 3 HCD B series:

Radius kerbs: HB2 125x255mm to suit the 12.5m radii
Dropped kerbs: 125x150mm BN with a 0–6mm upstand at the crossing points
Bedding and backing: ST4 concrete

H7. Uncontrolled pedestrian crossing points to have 400x400x65mm buff blister tactile paving, to the DfT Guidance on the Use of Tactile Paving Surfaces.

H8. The bellmouth is to fall to the existing Netherley Road gullies, which are to be adjusted to new levels where affected. The private access road is to drain to the on-site system, and no surface water from the site is to discharge onto the highway.

H9. Road markings to TSRGD 2016 in white thermoplastic: diag. 1002.1 stop line with a diag. 601.1 STOP sign, and other markings as shown on the plan.

H10. Visibility splays of 2.5m x 35m to be kept clear of obstruction.

H11. Gates to open inwards only and not over the highway.

FOOTWAY

H12. Standard footway construction:

Surface course: 20mm AC 6 dense surf 100/150 rec to BS EN 13108-1
Binder course: 60mm AC 20 dense bin 100/150 rec to BS EN 13108-1
Sub-base: 150mm Type 1 unbound granular material to MCHW Clause 803

Where the new footway meets existing footway, the build-up is to match the existing construction if that is greater.

H13. Footway at the dropped kerbs and within the bellmouth radii, as an overrun-resistant section:

Surface course: 20mm AC 6 dense surf
Binder course: 60mm AC 20 dense bin
Sub-base: 250mm Type 1

Matching Knowsley's residential vehicle crossing specification.

H14. Tactile paving: 400x400x65mm buff blister flags, laid to the DfT Guidance on the Use of Tactile Paving Surfaces.

Bedding:
3:1 sand/cement mortar bed on
100mm C20 concrete over
150mm Type 1, because of the overrun risk
Joints: filled with 3:1 sand/cement mortar

H15. Footway crossfall to be 1:40 towards the carriageway.
Dropped kerb ramps to be no steeper than 1:12, preferably 1:20, in line with DfT Inclusive Mobility.

H16. Dropped kerb upstand at the crossing points to be 0–6mm.

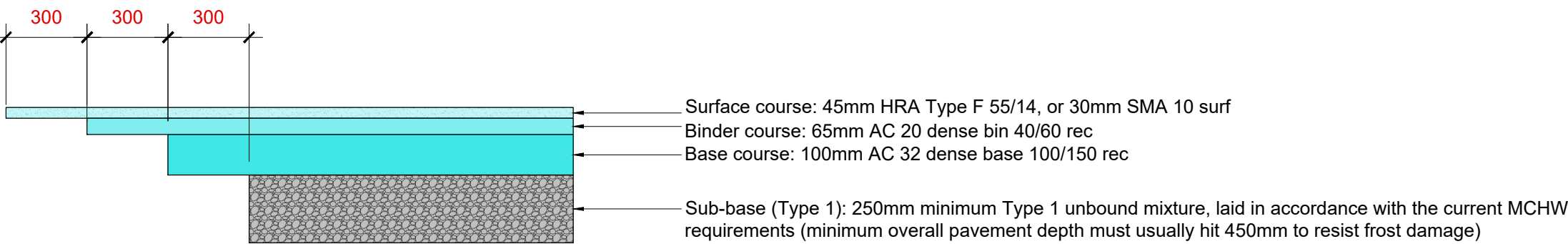
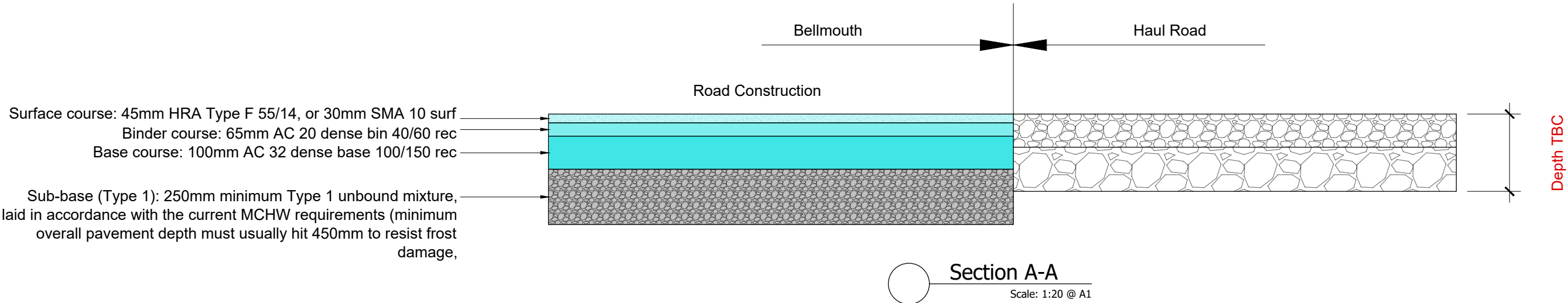
H17. Precast concrete edgings to BS EN 1340 to be provided at the back of footway and where the footway adjoins verges, bedded and backed in ST1 concrete to MCHW Clause 2602.

H18. Tie-in to existing footway:

Saw-cut the existing footway to neat vertical faces.
Step the surface course back a minimum of 100mm.
Bond-coat all cut faces.
Seal the surface joint.

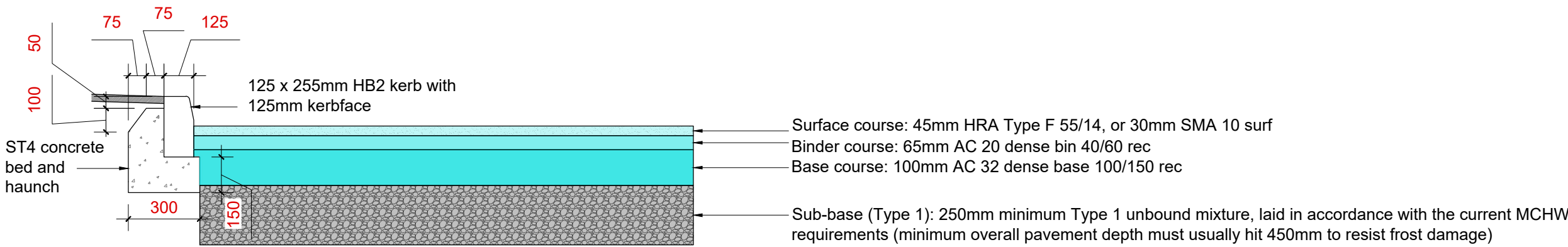
H19. Any existing statutory undertakers' covers within the footway to be adjusted to the new levels. Covers in the overrun areas to be upgraded to class D400 to BS EN 124, and all other footway covers to be a minimum of class B125.

Section A-A Showing Joint Between Bellmouth and Haul Road



Section B-B Step/Bench Width & Road Construction

Section B-B



SECTION C-C TYPE HB2 KERB DETAIL

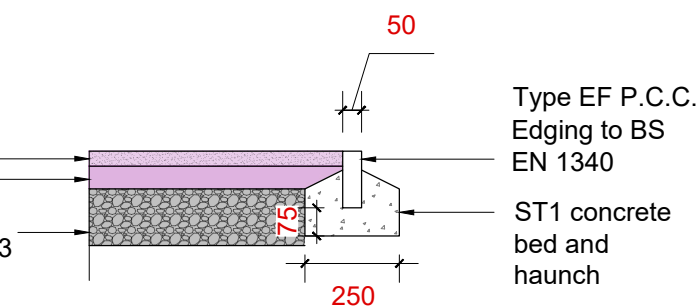
Section C-C

FOOTWAY

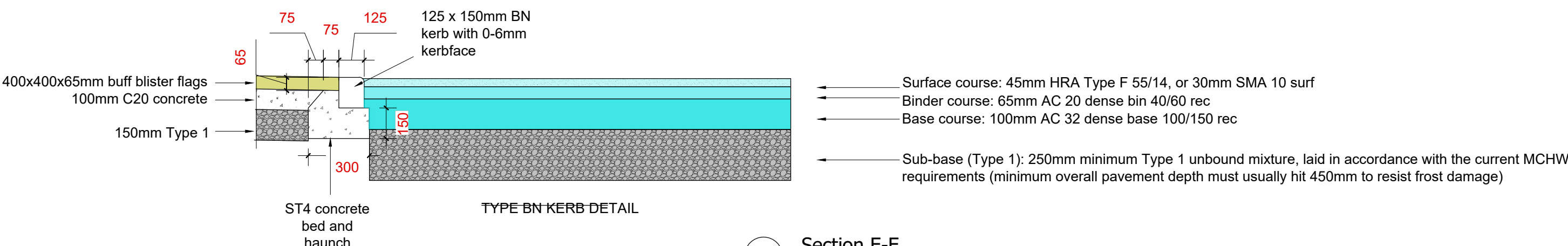
H12. Standard footway construction:

Surface course: 20mm AC 6 dense surf 100/150 rec to BS EN 13108-1
Binder course: 60mm AC 20 dense bin 100/150 rec to BS EN 13108-1
Sub-base: 150mm Type 1 unbound granular material to MCHW Clause 803

SECTION D-D TYPE EF EDGING DETAIL



Section D-D



Section E-E

1. Services
Contractor to obtain statutory undertakers' records and locate all services by CAT Scan and hand-dug trial holes before excavation.
Any services identified to be referred to Knowsley MBC and the relevant undertaker before works proceed.
Existing covers within the works to be adjusted to new levels.
Covers in carriageway and overrun areas to be class D400 to BS EN 124.

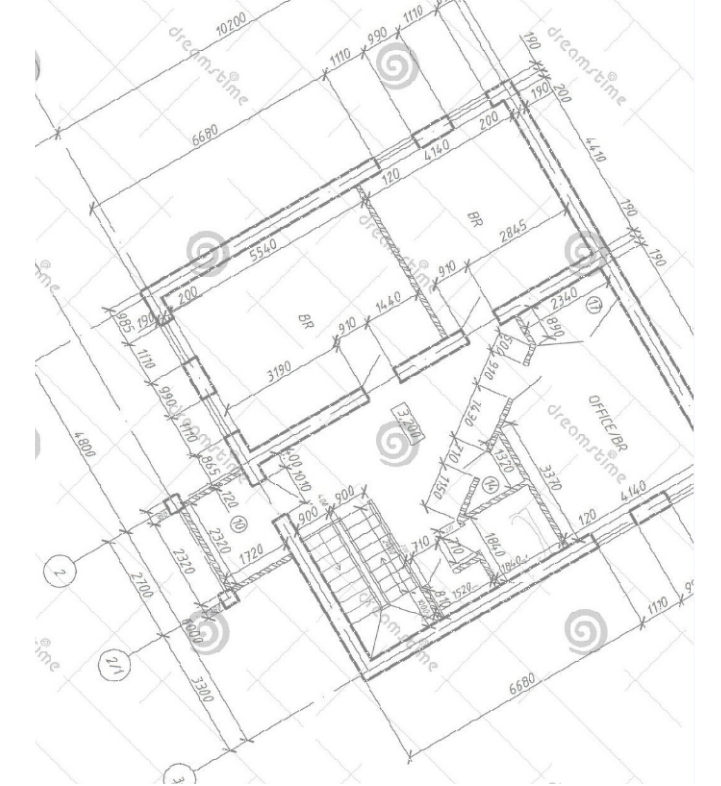
2. Joints Between Bellmouth and Existing Netherley Road Carriageway
To be saw-cut, stepped 300mm per layer, bond-coated and sealed as shown on section B-B, and in accordance with MCHW volume 3 highway construction details.

3. Inspection
Area to be surveyed before works commence, existing condition recorded and a photographic record made.
Knowsley MBC to be given notice to inspect at key stages (formation, sub-base, base/binder, surface) as required by the Section 278 agreement. no layer to be covered until approved.
Defects arising during the maintenance period set out in the Section 278 agreement to be remedied by the developer.

4. Traffic management
All traffic management to be installed in accordance with DfT traffic signs manual chapter 8 and safety at street works and road works code of practice. Permits to be obtained from Knowsley MBC street works.
Sign sizes to suit a 40mph road in accordance with the above. Orientation of signage aligned to vehicular travel direction.
The bellmouth must be kept clear of plant and vehicles at all times to ensure that entering vehicles do not have to slow or stop partially in the entrance.
Debris/mud must be cleaned off the bellmouth access and Netherley Road at regular intervals.
Site to ensure that signs are positioned so that they can be seen by road users and do not obstruct visibility splays or prevent works vehicles from accessing or exiting the site safely.

5. Bellmouth construction (Min 450mm total)
Surface course: 45mm HRA 55/14F surf to BS EN 13108-4 with PSV 60 min / AAV 10 max coarse aggregate, or 30mm SMA 10 surf as agreed with Knowsley MBC.
Binder course: 65mm AC 20 dense bin 40/60 REC to BS EN 13108-1.
Base course: 100mm AC 32 dense base 100/150 REC to BS EN 13108-1.
Sub-base: 250mm type 1 unbound granular material to SHW clause 803.
Bond coat to SHW clause 920 to be applied between all bituminous layers and to all cut faces.

6. To be read in conjunction with
specification notes H1-H19 and sections A-A to E-E on drawing 0001-04.



RJ DESIGN (NW) LTD
07734911515
robjones@rjdesignsnw.co.uk

client	Olivia Starkey 07815105595 olivia@osplanning.co.uk
project	Prescott Farms LTD Land at Netherley Road Tarbock Green Prescott Knowsley L35 1QE
	Land at Netherley Road, Tarbock Green – Proposed Site Access (Section 278 Works) – 22/00760/FUL
	SPECIFICATION NOTES DETAIL A-A DETAIL B-B DETAIL C-C DETAIL D-D DETAIL E-E
drawing title	
drawing number	0001-04
revision	*
drawing status	S278 TECHNICAL SUBMISSION
scale	1:20 - @ A1
date	September 2026
drawn by	RJ
checked by	RJ