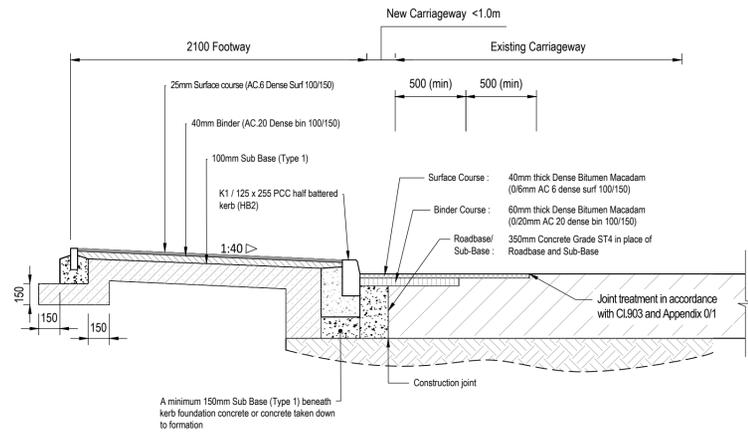
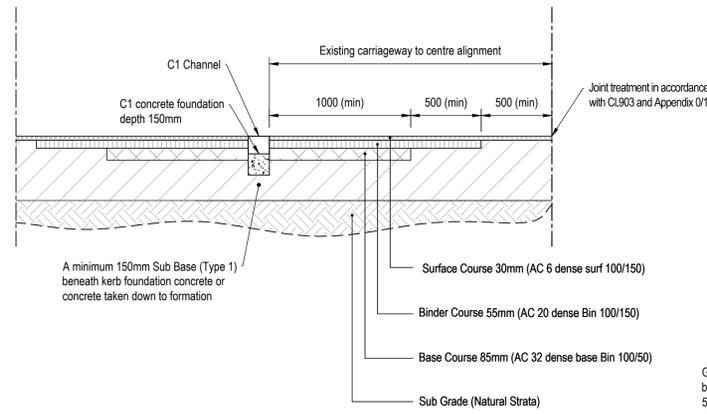


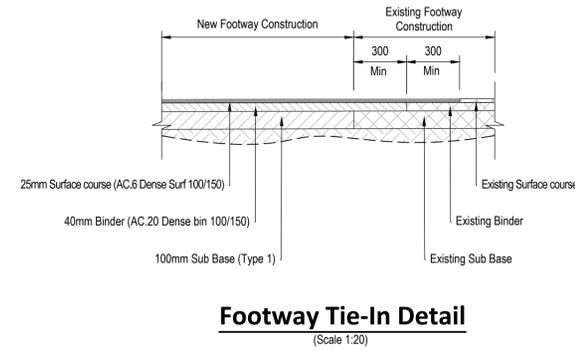
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**Tarmac Footway Construction Detail**  
(Scale 1:25)

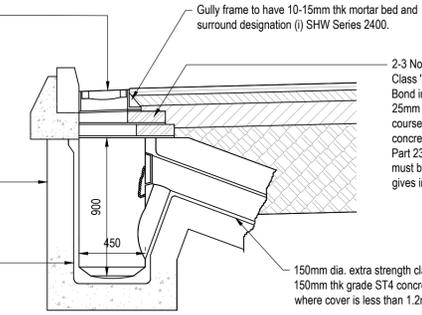


**Channel Block and Re-Surfacing Detail**  
(Scale 1:25)

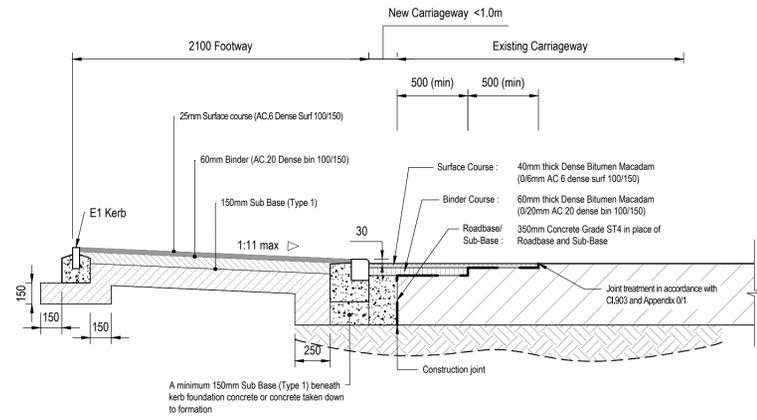


**Footway Tie-In Detail**  
(Scale 1:20)

Gully grating and frame to BS EN 124 Class D400 to be set 15mm below finished road level at kerb and 5mm below finished road level at front. Hinged captive gratings must be used. End hinged gratings must be set with hinge towards approaching traffic. Slots in gratings shall not be parallel to the direction of the traffic.



Note:  
Connections to carrier drains to be by means of 'Y' junctions. Finish to internal concrete to be F1 on formed surfaces and U2 on unformed surfaces. Each gully must have a separate connection to the carrier drain or chamber.



**Tarmac Vehicle Crossover Construction Detail**  
(Scale 1:25)

**All carriageway construction**

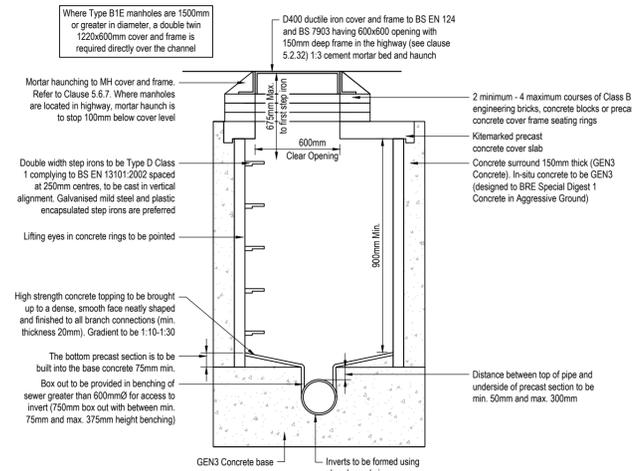
All substrata structures and unconsolidated material within the formation of new highway and proposed hardstanding areas are to be removed

Any soft, damaged or weak spots are to be brought to the attention of the engineer. These will be excavated and replaced with 6F5/2 granular material and compacted in layers in accordance with DOT Specification for Highway Works

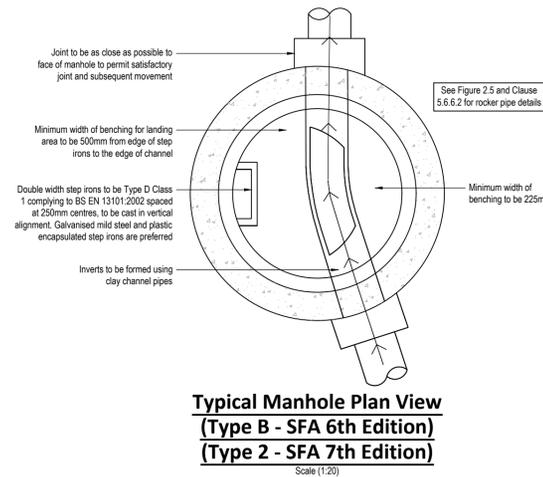
Formation preparation to be in accordance with specification for highway works CL616 and treated with granular weedkiller.

For existing ground conditions refer to GI Report No: C378 by G&M Consulting. Date of Report: August 2020

For buried concrete within the site boundary, Design Sulphate Class DS-1 with an ACEC Class of AC-1s for static groundwater conditions and AC-1 assuming mobile ground water conditions. Refer to GI Report No: C378 by G&M Consulting. Date of Report: August 2020

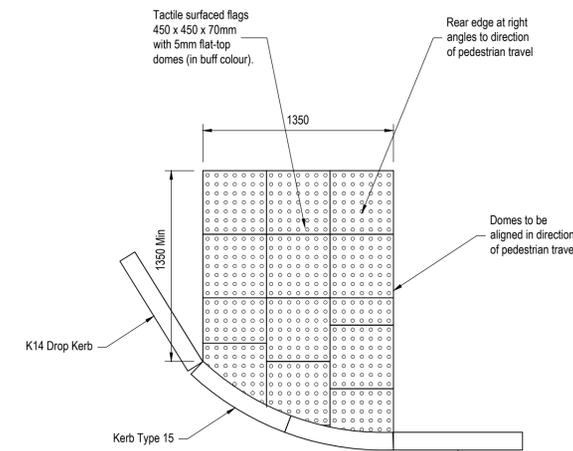


**Typical Manhole Construction**  
(Type B - SFA 6th Edition)  
(Type 2 - SFA 7th Edition)  
(Scale 1:20)



**Typical Manhole Plan View**  
(Type B - SFA 6th Edition)  
(Type 2 - SFA 7th Edition)  
(Scale 1:20)

**Typical Road Gully**  
(Scale 1:20)



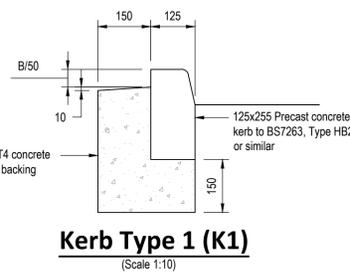
**NOTES:**

- Edge flags (cut) shall be not less than 1/2 flag in width.
- K15 kerbs to be set flush to channel blocks except where backfall to ramp is unavoidable - If so set K15 kerbs 6mm above channel blocks for drainage purposes. Channel blocks shall not be provided if carriageway surfacing is not included in the works. However, it is important to avoid having flush crossing points on the radius kerb because a raised radius kerb gives positive guidance for drivers turning through the junction, minimising the risk of vehicles over-running the footway.
- Where PCN Reference used 'N' refers to number of kerbs Type K15. (Min to be N-1.5)
- Tactile area shall be paved in buff tactile blocks to same layout and area if so specified in the contract.
- Where adjacent flags are buff, tactile flags to be in contrasting colour other than red.
- In certain situations a single row of tactile flags may be required. Refer to scheme General Arrangement Drawing.
- Where the back edge is not parallel to the kerb (ie the crossing itself is not at right angles to the kerb) the tactile surface not be less than 800mm in depth at any point.

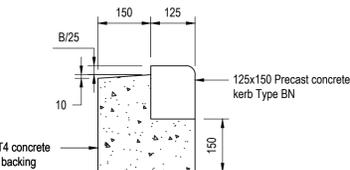
**Uncontrolled Pedestrian Crossings**  
(Scale 1:25)

**Kerb Construction Notes:**

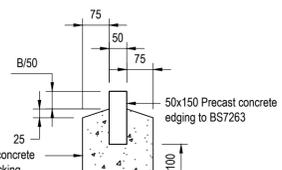
- All Kerbs to BS 7263.
- The kerb bed and backing shall normally be laid in one operation.
- Where bed is laid in advance of kerbs 200mm x Ø20mm mild steel dowel bars will be required in bedding at 450mm centres and kerbs will be bedded on 10mm min mortar designation (i) SHW Series 2400.
- Dowel bars may be required in backing to standard kerbs in circumstances where the kerbs are vulnerable.
- Kerbs shall be laid with dry joints and closely butted to adjacent kerbs and channels.
- Transition kerbs to be used at all changes in kerb face.
- Channel blocks to be used where gradient is flatter than 1:150
- For radii of 12m or less kerbs and channels of the appropriate radius shall be used.
- Cutting of kerbs and channels shall be by approved mechanical means.
- The length of any kerb or channel shall not be less than 300mm.
- Where channel blocks are laid to false falls the kerb face must be 100mm min to 150mm max.
- Although the underside of foundations are shown horizontal on the standard detail drawings, allowance must be made for cross-falls of formations and pavement courses and verges.
- Where a concrete kerb or channel abuts rolled asphalt surfacing course, it shall be painted with tack coat of 70/100 pen. bitumen.
- For kerb adjacent to flagged or block paved areas, dimension 'B' shall be 15mm greater than depth of precast element or unit but not less than 50mm. In all other situations 'B' = as shown



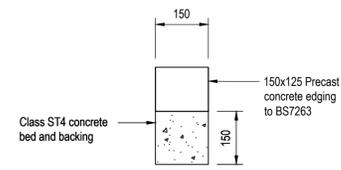
**Kerb Type 1 (K1)**  
(Scale 1:10)



**Kerb Type 15 (K15)**  
(Scale 1:10)



**Edging Type 1 (E1)**  
(Scale 1:10)



**Channel Type 1 (C1)**  
(Scale 1:10)

**Health & Safety Note**

The details on this drawing have been prepared on the assumption that a competent contractor will be carrying out the works. If the contractor(s) considers that there is insufficient Health and Safety information on this drawing, this should immediately be brought to the attention of the designer.

HAZARD IDENTIFICATION BOX			
This table is provided to assist the Principal Contractor to fulfil their obligations under the CDM Regulations 2015			
Hazard Ref	Hazard Type (Location/Measurement/Quantity/Direction/Material)	Hazard Description	Mitigation Measures/Residual Risk
⚠			

Rev.	Date	Description	Drn/CHK/APP
P05	31/07/2024	Footway and vehicle crossing sections amended.	CPY
P04	29/07/2024	Uncontrolled pedestrian crossing detail added. Channel block details added.	CPY
P03	16/12/2022	Amendments to footway and vehicle crossing details following comment from KC Highways	CPY
P02	08/12/2022	Amendments following comments from KC Highways	CPY
P01	08/08/2022	First Issue	CPY

Suitable: **S4 - Suitable for Stage Approval**

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Client: **Fernbrook Associates Ltd**

Job: **Land at Carlinghow Hill, Batley**

Title: **Section 38 Phase 1 Construction Details**

Classification: **F1\_60\_20**

Scale @ A1: **As Shown**

Project: Originator - Volume/System - Level/Location - Type - Discipline - Number

Revision: **P05**