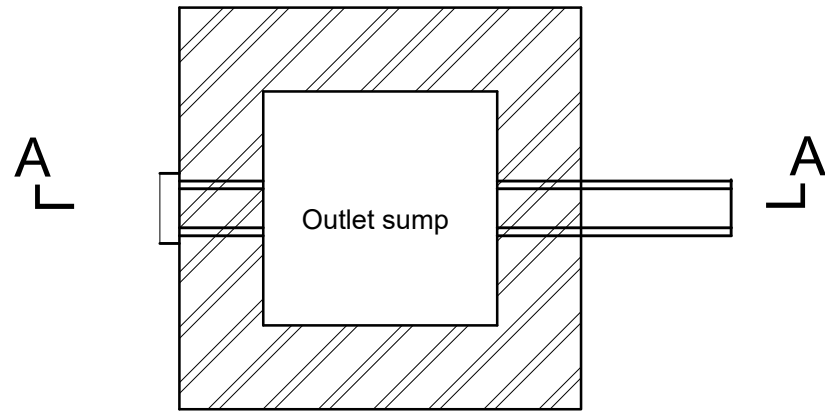
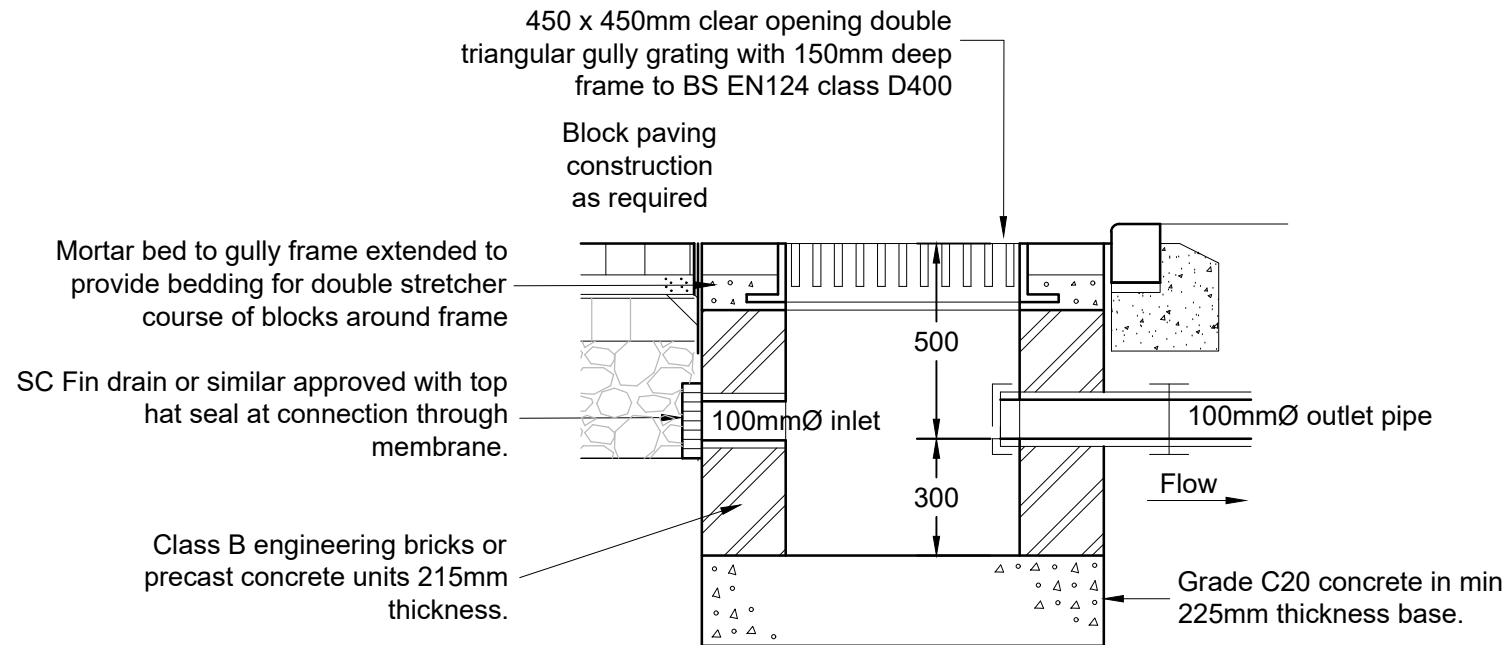


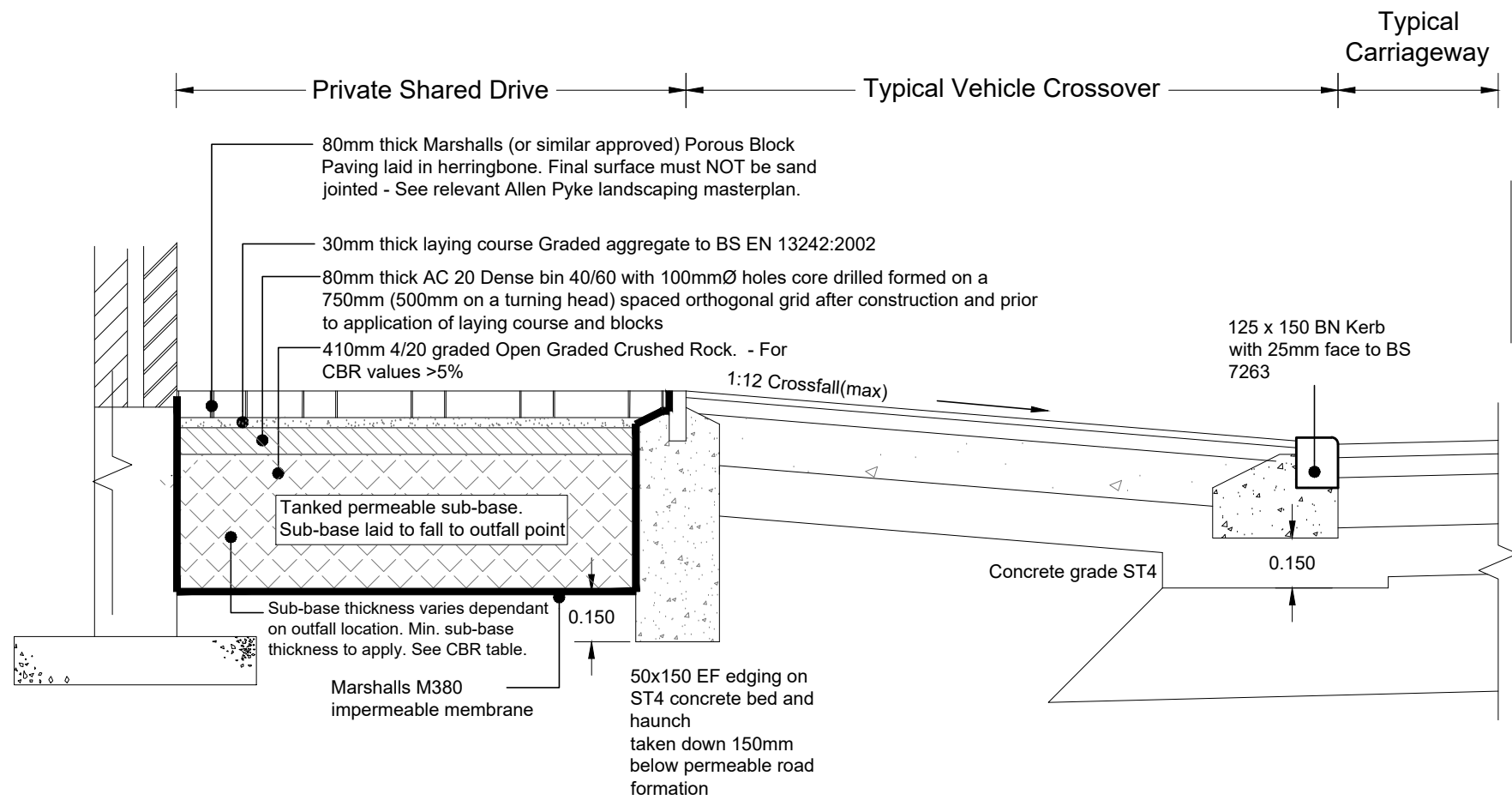
Access Road < 200 dwellings			
Layer	Nom.Size	Matreials	Compacted Thickness
Surface Course	10mm	AC10 Close Graded Asphalt Concrete Surface Course 100/150 to CI 942 PSV 68+ AAV 14	30mm
Binder Course	20mm	AC20 dense bin 100/150 rec to DfT SHW 906	60mm
Base Course	32mm	AC32 dense base 40/60 rec to DfT SHW 906	100mm
Sub Base & Capping	<2%	Type 1 sub base to DfT SHW Clause 803	Bespoke Design
	2-2.5%	Type 1 sub base DfT SHW to Clause 803 6F1 or 6F2 Capping Layer to SHW Clause 613	150mm 600mm
	2.5-5%	Type 1 sub base DfT SHW to Clause 803 6F1 or 6F2 Capping Layer to SHW Clause 613	150mm 350mm
	>5%	Type 1 sub base DfT SHW to Clause 803 6F1 or 6F2 Capping Layer to SHW Clause 613	150mm 100mm

Ground Investigation suggests CBR of 3% may be used for design. TBC during construction as per WSCC requirements.

Footway / Cycleway Construction			
Layer	Nom.Size	Matreials	Compacted Thickness
Surface Course	6mm	AC 6 dense surf 100/150 to DfT SHW Clause 909	20mm
Binder Course	20mm	AC20 dense bin 100/150 rec conforming to DfT SHW 906	50mm
Sub Base		Type 1 / Type 2 sub base DfT SHW to Clause 803	100mm



Outlet Sump Detail



Porous Block Paved Construction with Tanked Porous Sub-base.

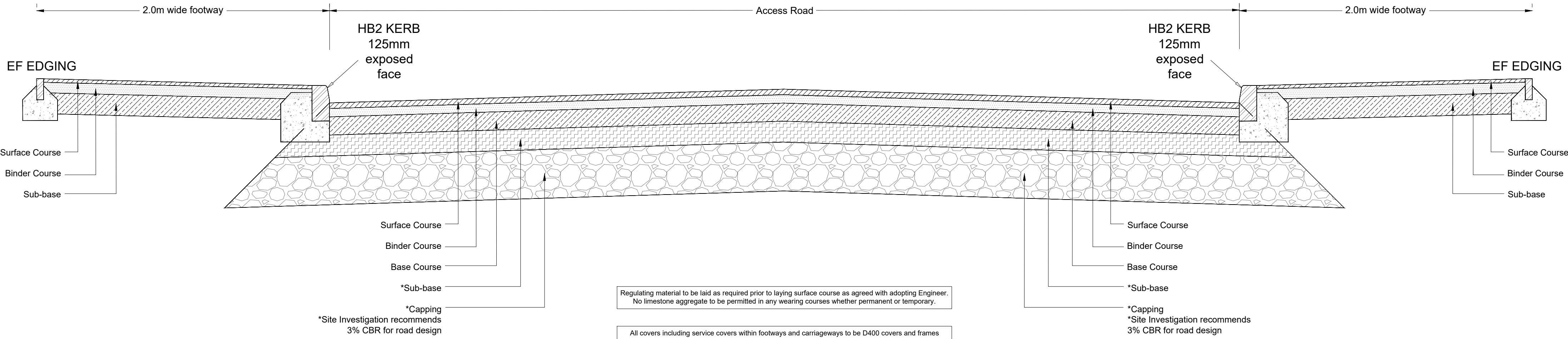
NOTE - Permavoid diffuser requires minimum depth of cover of 260mm based on 12 tonne vehicular loading and CBR value of 5% & to be installed in strict accordance with manufacturers requirements.

Grading for porous granular sub-base material

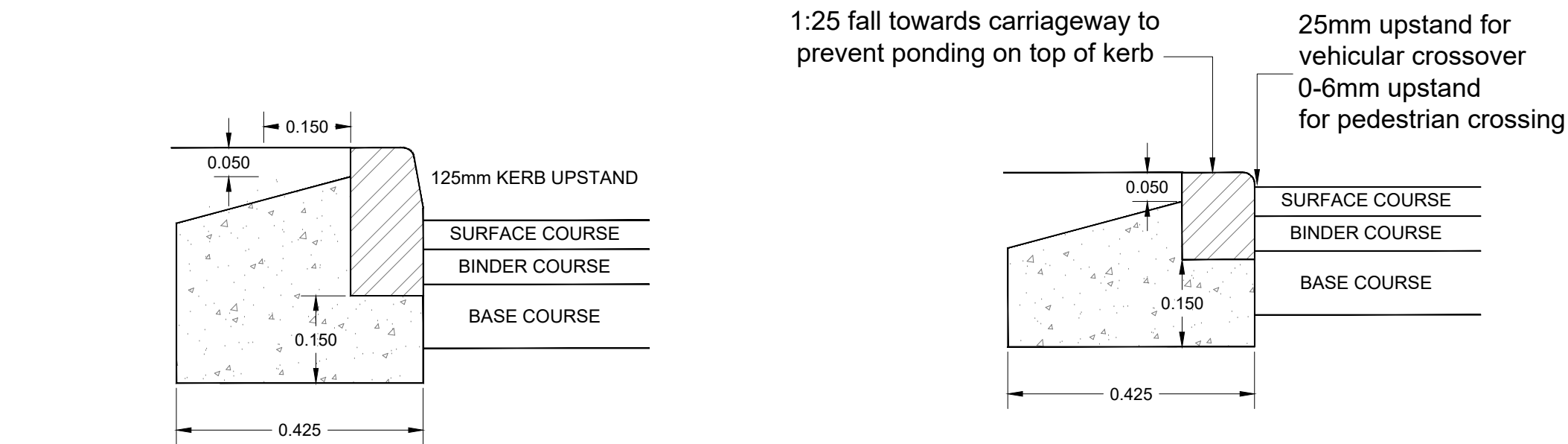
Sieve size	% passing
100mm	100
63mm	90-100
37.5mm	60-80
20mm	15-30
10mm	0-5

Sub-base for Porous Paving

Note: In car parking and lightly trafficked areas where CBR is less than 5% a capping layer of 200mm thickness is required. In heavily trafficked areas a capping layer is to be provided to ensure that the sub-grade has a CBR of at least 15%.



TARMAC ROAD CONSTRUCTION

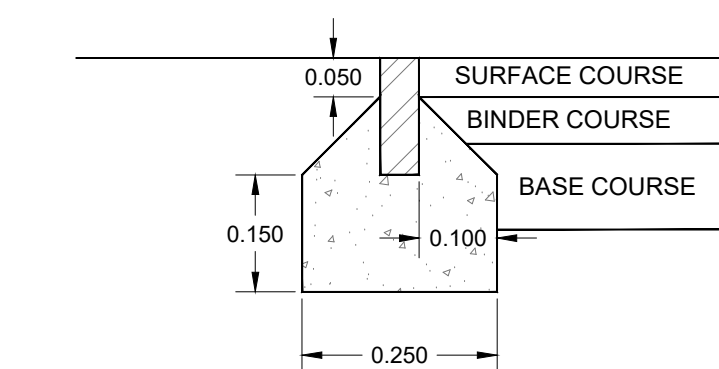


HB2 KERB

125 x 255 PCC Half Battered Kerb to BS EN 1340 laid on 13mm mortar bed or laid bedded directly on ST4 concrete foundation whilst plastic. 150mm type 1 sub-base required beneath kerb bed and will extend back 150mm past the back of kerb haunch.

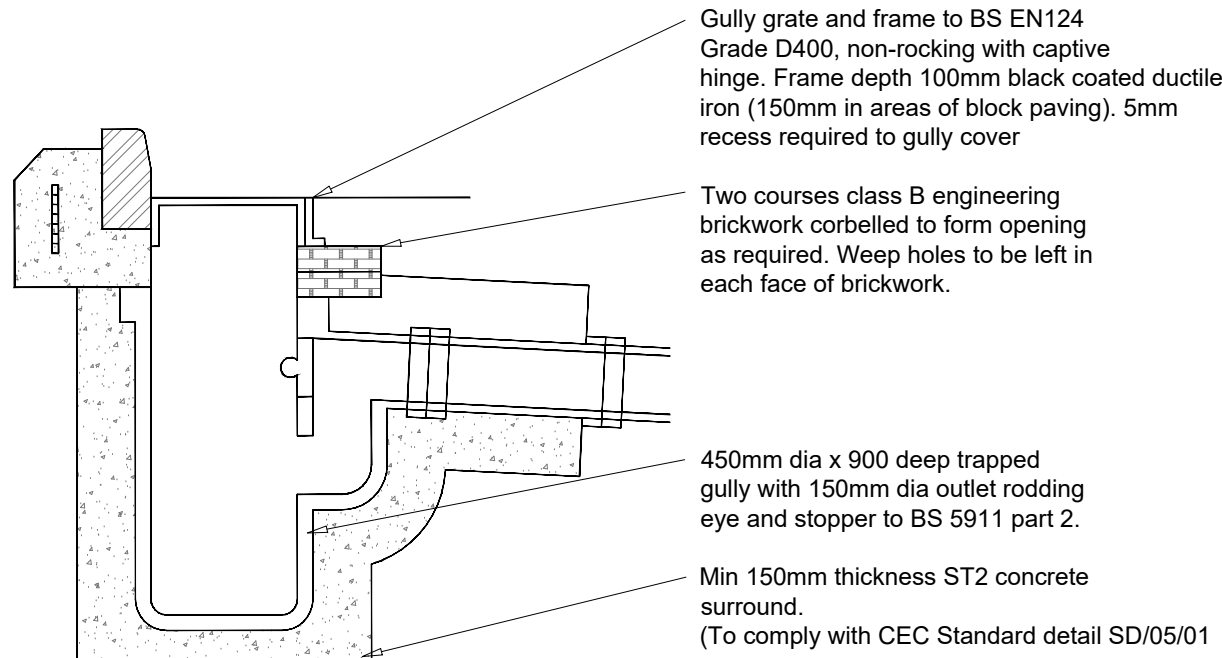
BULLNOSE KERB

125x150mm PCC bullnosed kerb to BS EN 1340 laid on 13mm mortar bed or laid and bedded directly on ST4 concrete foundation whilst plastic. 150mm type 1 sub-base required beneath kerb bed and will extend back 150mm past the back kerb haunch.



EF EDGING KERB

50x150mm PCC flat top edging to BS EN 1340 bedded with ST4 concrete foundation. 150mm type 1 sub-base required beneath kerb bed and will extend back 150mm past the back kerb haunch.



Typical Road Gully

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The Contractor is to check and verify in conjunction with the Architects details all setting out points, building and site dimensions, levels and sewer invert levels at connection points and ensure that they are fully conversant with the contents and requirements of the site investigation report before work starts. The Contractor is to comply in all respects with current building legislation, British Standard Specifications, Building Regulations etc, whether or not specifically stated on this drawing.

This drawing is not intended to show details of ground conditions or ground contaminants. Each area of ground relied upon to support any structure depicted (including drainage) must be investigated by the Contractor any areas of formation for said structures which do not accord with the anticipated conditions as described in the site investigation report are to be immediately notified to the Engineer, where applicable. Any suspect fluid ground or ground contaminants on or within the ground should be further investigated by a suitable expert. Any earthworks shown indicate typical slopes for guidance only and should be investigated further by a suitable geotechnical expert.

Where existing trees are shown to be retained they should be subject to a full Arboricultural inspection for safety. All trees are to be planted so as to ensure they are a minimum of 5 metres from buildings and 3 metres from drainage and services, where applicable. A foundation is to be provided to accommodate the proposed tree planting, where applicable.

GENERAL NOTES

- This drawing is to be read in conjunction with relevant architectural and engineering drawings.
- Levels indicated in blocks are Finished floor levels and are 150mm above adjacent finished ground levels unless otherwise shown.
- Levels of the existing road at the point of tie-in with proposed site road must be checked prior to commencement of works.
- Any discrepancies between the details shown and actual on site conditions to be reported immediately to the engineer prior to commencement of works.

ADOPTABLE ROADS AND SEWERS

- Roads, footways and parking bays which form part of the highway to be adopted under Section 38 of the Highways Act 1980 shall comply with the requirements of DfT Adopting Authority.
- Sewers to be adopted under Section 104 of the Water Industries Act 1991 shall comply with the Water Authorities Association "Sewers for Adoption 6th or 7th Edition" with any amendments specified by the Adopting Water Authority.
- All pipes to be used in adoptable sewerage shall be either clayware to BS EN 295 or concrete to BS EN 1916 and BS 5911: Part 1 with Class S bedding unless otherwise stated. With approval of the Adopting Authority solid wall concentric external rib reinforced sPVC pipes complying with the relevant provisions of BS EN 13476 may be used.
- Where cover to a pipe is more than 1200mm under adoptable carriageway the trench shall be filled to formation of the carriageway with well compacted DfT Type 1 material.
- Where cover to a pipe is less than 1200mm under adoptable carriageway it shall be provided with concrete protection in accordance with the specification of the adopting authority and back filled to formation of the carriageway with well compacted DfT Type 1 material. Where concrete bed and surround is specified flexibility of joints is to be maintained by using compressible bitumen impregnated fibreboard at each pipe joint.
- All existing drainage invert levels, diameters and locations are to be checked by the Contractor prior to the commencement of any proposed drainage work. Any difference between actual and drawn details is to be reported to the Engineer immediately.
- Positions of existing services/statutory undertakers apparatus adjacent to or crossing proposed sewers is to be checked by the Contractor prior to starting work.

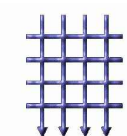
CONTRACTOR SHOULD REFER TO LATEST VERSION OF WEST SUSSEX COUNTY COUNCIL ECONOMY, COMMUNITIES & CORPORATE DIRECTORATE - HIGHWAYS SPECIFICATION FOR NEW DEVELOPMENTS

Rev	Description	Date	By
A	Drawing amended to construction issue	19.09.2019	TB
-	First Issue	16.08.2019	CS

Drawing Status

FOR CONSTRUCTION

Client	 Together, we make a home
Project	Littlehampton West Sussex
Title	Private Highway Construction Details

 BANNERS GATE CIVIL, STRUCTURAL & ARCHITECTURAL DESIGN SERVICES 10-11 Birmingham Street, Halesowen, West Midlands B63 3HN Tel: 0121 687 1500 Fax: 0121 687 1501 E-mail: mail@bannersgate.com	
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Scale	Not To Scale @ A1	Drawn	CS
Date	August 2019	Checked	TB
File		Drawing	
19163 / dwgs / civils / current		19163 - 301A	