

Surface Course

Base

Geotextile

40mm of Stone Mastic Asphalt

(based on CBR of 4.5%)

60mm Dense basecourse macadam

275mm Type 1 granular material sub base

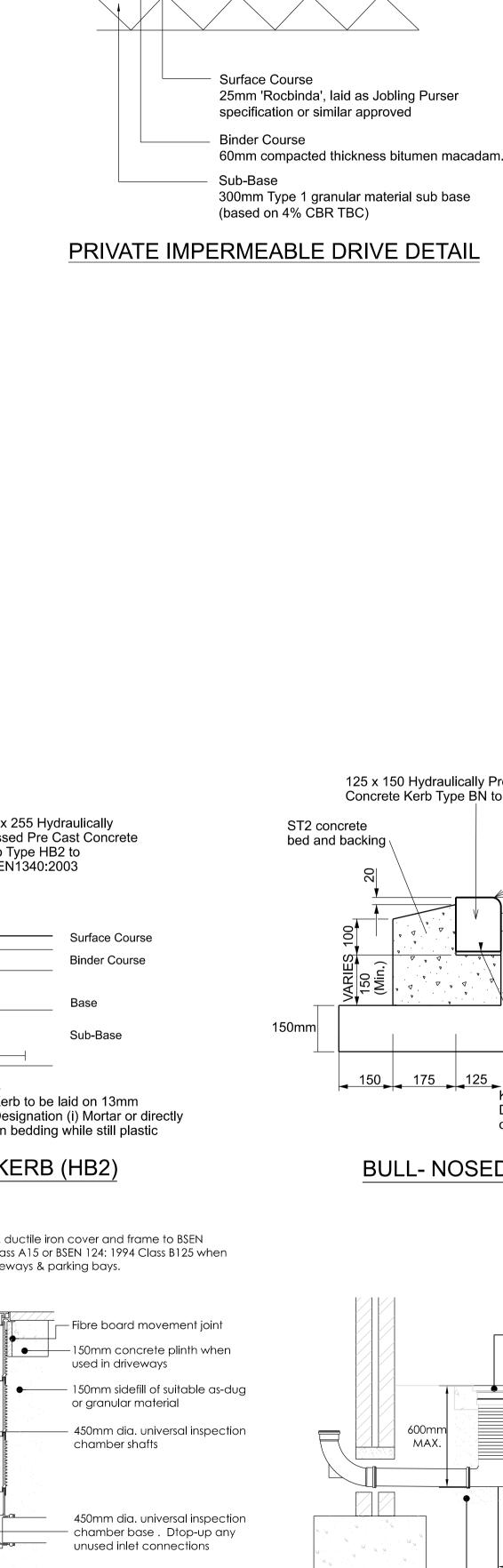
Terram 1000 or similar approved at formation

level as sub-base/ sub-grade separator

where CBR is less than 2.5%

PRIVATE TARMAC DRIVE

AND LIGHT DUTY ACCESS ROAD



TYPICAL INSPECTION CHAMBER

For use in soft areas, driveways and parking bays only

125 x 150 Hydraulically Pressed Pre Cast

150 175 125

600mn

MAX

FOUNDATIONS

BULL- NOSED KERB (BN)

Concrete Kerb Type BN to BS EN1340:2003

No upstand at pedestrian

crossing points or cycleway

access points

Surface Course Binder Course

Kerb to be laid on 13mm

on bedding while still plastic

250mm Dia. sealed cover

150mm Concrete plinth

when used in driveways

250mm dia. shallow

inspection chamber

as-dug or granular

drain

material

— 150mm sidefill of suitable

(stop-up any unused inlets)

Short radius bend(s)

to suit level of main

45° Junction on

main drainage run

and frame to bsen

— 124:1994 Class A15

22.0m MAX.

100mm bed of suitable as-dug or

SHALLOW INSPECTION CHAMBER

granular material

For use in soft areas & driveways only

Designation (i) Mortar or directly

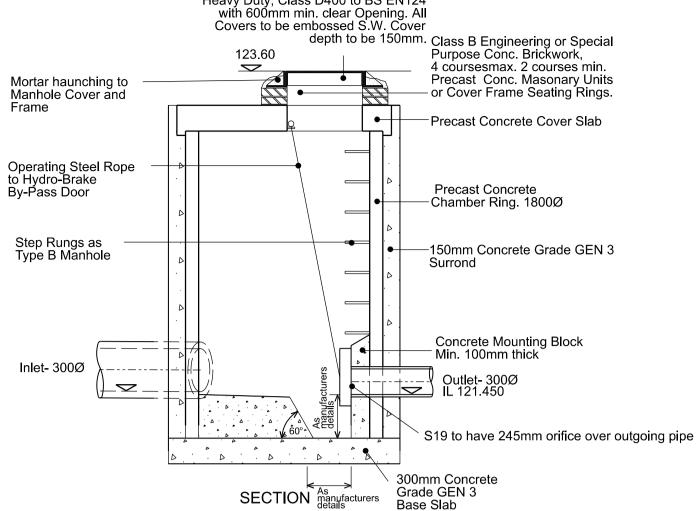


INDIVIDUAL FLOW CONTROL CHAMBER DETAILS SUBJECT TO STRUCTURAL ENGINEERS DESIGNS.

1. Contractors must check all dimensions on site. Only figured dimensions are to be worked from. Discrepancies must be reported to the Architect or Engineer before proceeding. © This drawing is copyright

Notes

Cover and Frame to be Ductile Iron, Heavy Duty, Class D400 to BS EN124 with 600mm min. clear Opening. All



Class B Engineering or Special Purpose Conc. Brickwork, 4 coursesmax. 2 courses min. Precast Conc. Masonary Units or Cover Frame Seating Rings. PLAN

INDIVIDUAL WEIR WALLS AND COVER SLABS SUBJECT TO DESIGN BY STRUCTURAL ENGINEER

Backfilling under roads and paving: Backfill from top of granular bedding up to formation level with Granular Subbase Material Type 1 to Highways Agency specification for Highway Works 1998 Clause 803, laid and compacted in 150mm layers.

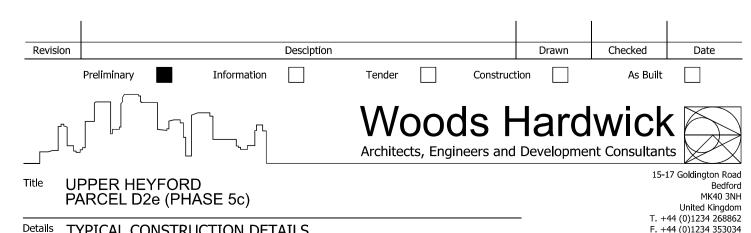
2. Backfilling under landscaped areas: Backfill from top of granular bedding up to underside of topsoil with selected Class 1B material. Class 1B fill whether selected from locally excavated material or imported, shall consist of uniform readily compactible material, free from vegetable matter, building rubbish and frozen material, or materials susceptible to spontaneous combustion, and excluding clay of liquid limit greater than 80 and/or plastic limit greater than 55 and materials of excessively high moisture content. Clay lumps and stones retained on 75mm and 37.5mm sieves respectively shall be excluded from the fill material. Laid and compacted in layers not exceeding 300mm.

3. Do not use heavy compactors before there is 600mm of material over pipe.

Pipe Nominal Bore (DN)	Maximum Particle Size (mm)	Class of Bedding	Suitable materials		
			Imported granular materials (Note a)	Maximum CF value for as-dug granular material (Note b)	
100	10	S	10mm nominal single- size	0.15	
		В		0.30 (Note c)	
		F		0.15	
		N	Course, Medium or fine sand		
Over 100 to 150	15	S	14mm to 5mm graded	0.15	
		В		0.30 (Note c)	
		F		0.15	
		N	Coarse, medium or fine sand		
Over 150 to 500	20	S	14mm to 5mm graded or 20mm to 5mm graded	0.15	
		В		0.30 (Note c)	
		F		0.15	
		N	All in aggregate or coarse medium or fine sand		
Over 500 (Note d)	40	S	14mm to 5mm graded or 20mm to 5mm graded or 40mm to 5mm graded	0.15	
		В		0.30 (Note c)	
		F		0.15	
		N	All in aggregate or coarse medium or fine sand		

angularity

- (a) Imported granular materials to include aggregates to BS 882, air- cooled blast furnace slag to BS 1047 and sintered pulverized- fuel ash to BS 3797
- Compaction fraction value, See Appendix A
- The higher the CF value for as dug bedding and sidefill materials the greater the required effort for adequate compaction.
 - Angular materials should be chosen to ensure sufficient support is provided to these heavier pipes. Crushed rock aggregates to BS 882 are recommended. Air- cooled blast furnace slag to BS 3797 or other granular materials may be used if they show a similar degree of



Details TYPICAL CONSTRUCTION DETAILS

Scale: N.T.S @ A1 Date: OCT 2019 Drawn: AT Chk: JF Please consider the environment before printing this drawing

HEYF/5/971

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