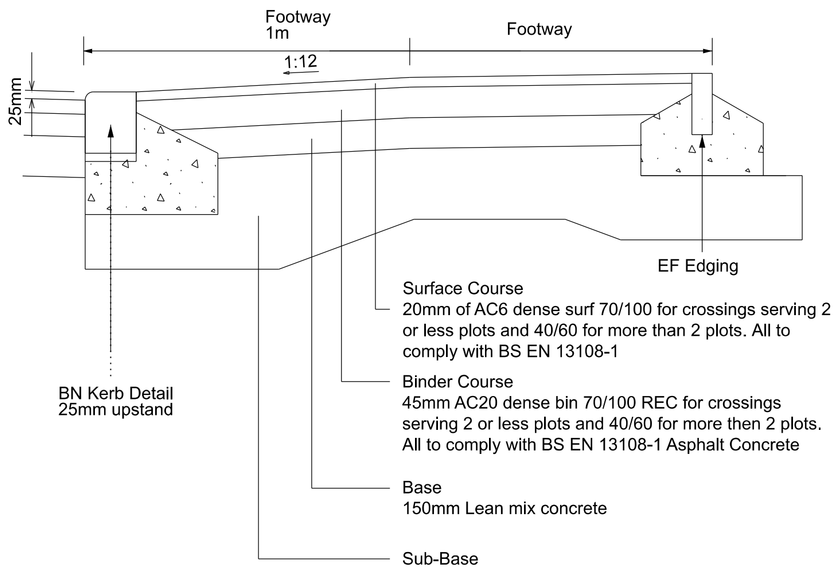
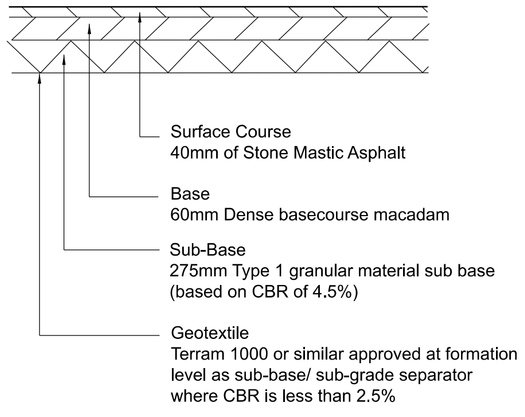
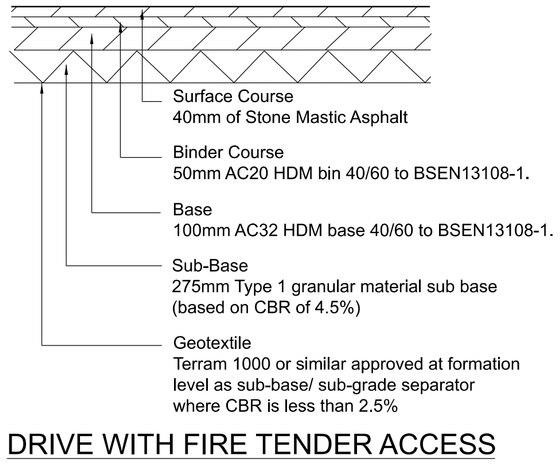


1.For use on vehicular crossovers from/ to blacktop highways.

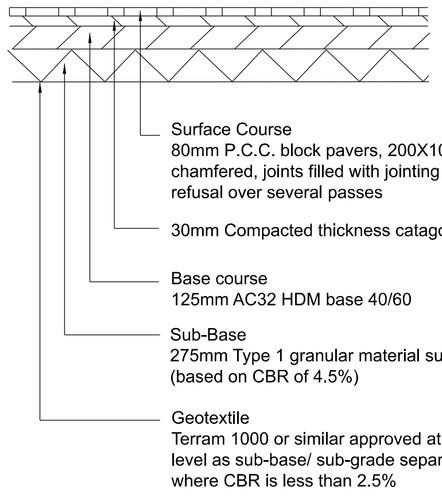
ADOPTABLE VEHICULAR CROSSING DETAIL



PRIVATE TARMAC DRIVE AND LIGHT DUTY ACCESS ROAD

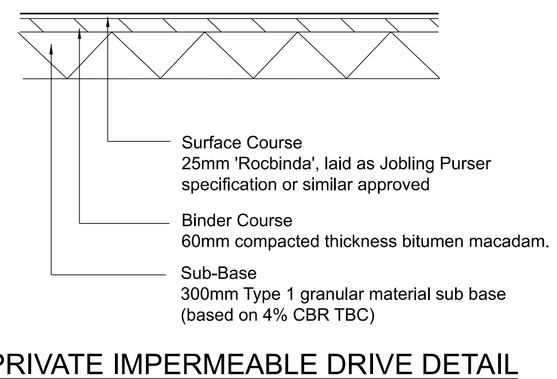


DRIVE WITH FIRE TENDER ACCESS

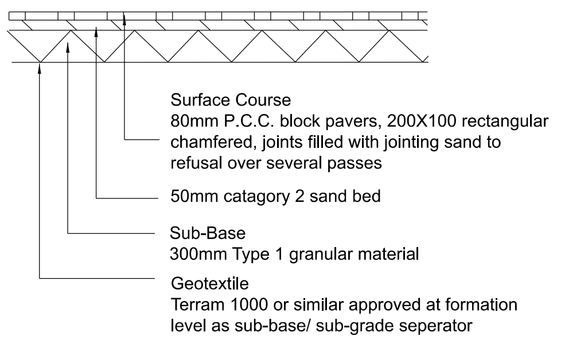


1. Minimum depth of non frost susceptible material is 450mm.
2. Blockwork pattern to be 45 degree herringbone.
3. Shared surface blockwork colour to be charcoal.
4. For use on adoptable highways and associated vehicular crossovers.

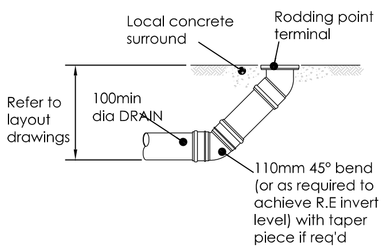
PRIVATE HEAVY DUTY BLOCK PAVING



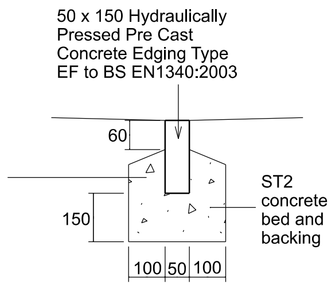
PRIVATE IMPERMEABLE DRIVE DETAIL



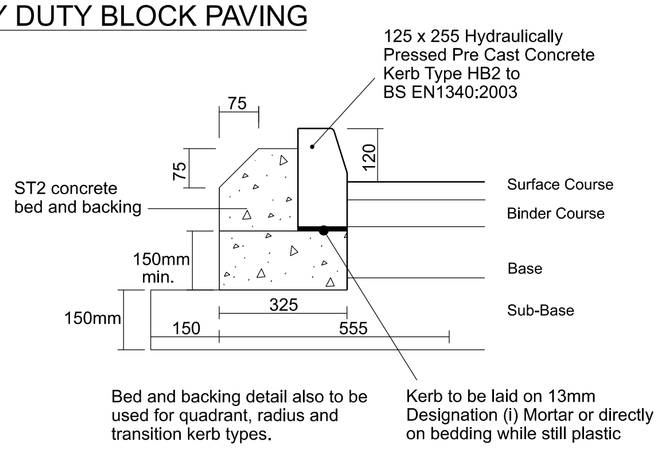
PRIVATE LIGHT DUTY BLOCKWORK DETAIL



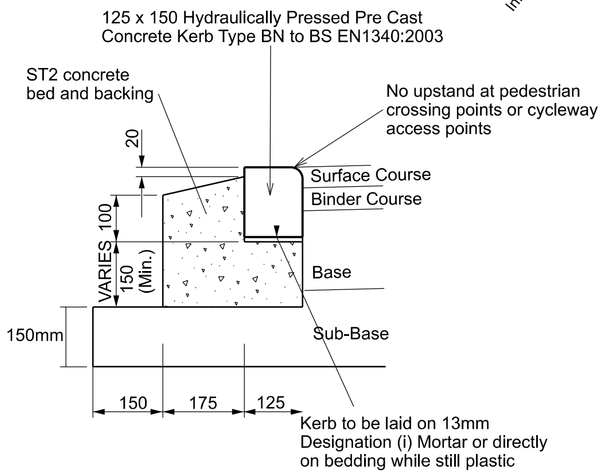
RODDING EYE



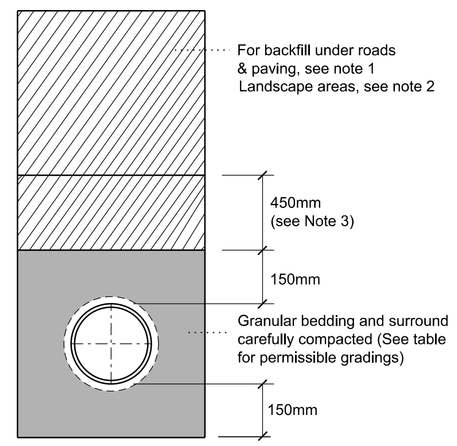
EDGING (EF)



HALF BATTERED KERB (HB2)

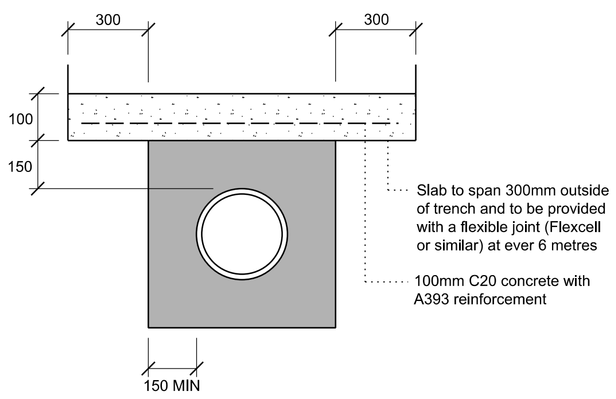


BULL- NOSED KERB (BN)

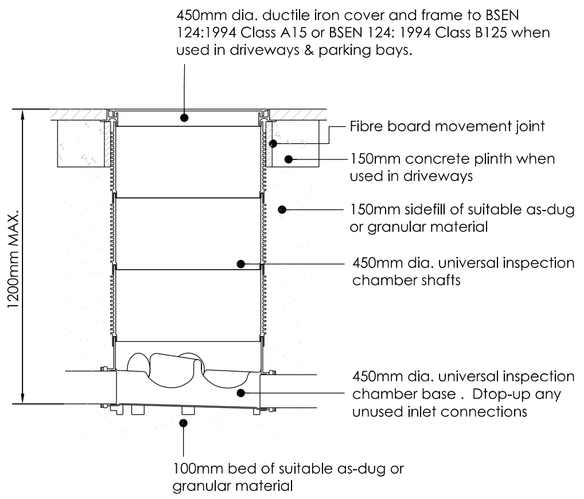


CLASS S BEDDING DETAIL

(Rigid Pipes)

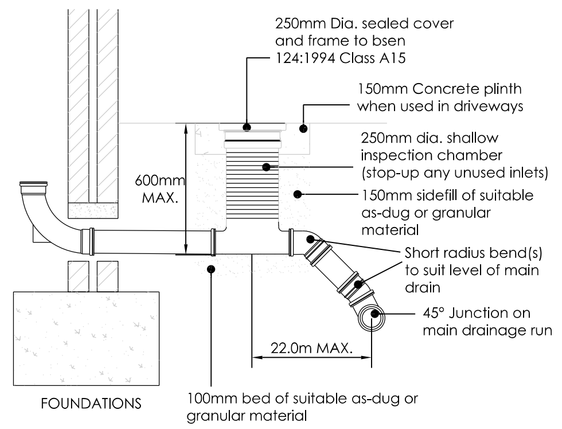


CONCRETE PROTECTION



TYPICAL INSPECTION CHAMBER

For use in soft areas, driveways and parking bays only

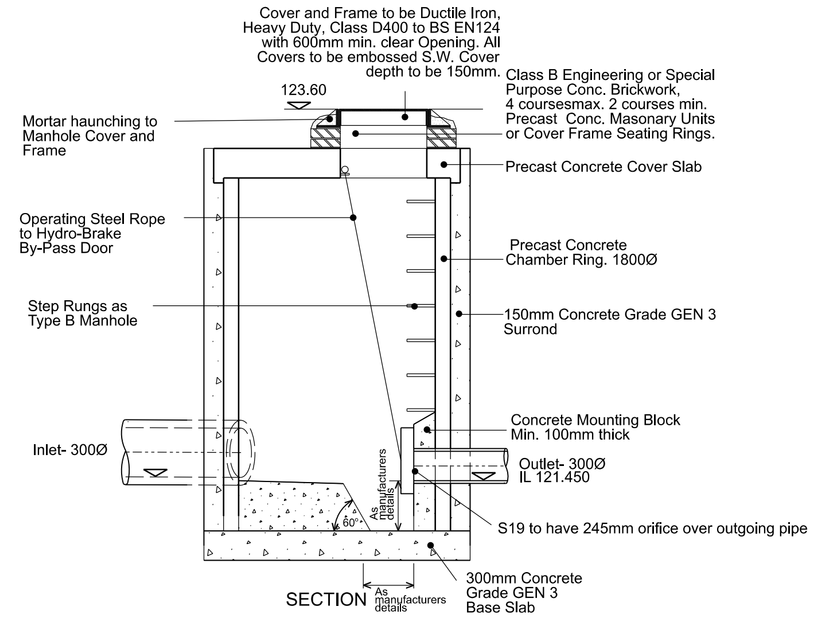


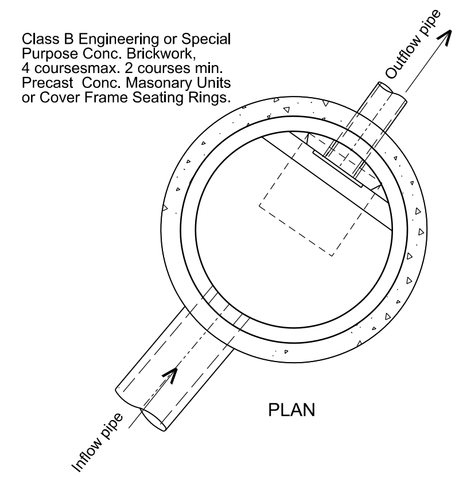
SHALLOW INSPECTION CHAMBER

For use in soft areas & driveways only

TYPICAL FLOW CONTROL CHAMBER DETAIL

INDIVIDUAL FLOW CONTROL CHAMBER DETAILS SUBJECT TO STRUCTURAL ENGINEERS DESIGNS.





PLAN

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

Notes

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.

1. 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.

Table - Granular bedding and sidefill materials for rigid pipes

Pipe Nominal Bore (DN)	Maximum Particle Size (mm)	Class of Bedding	Suitable materials: Imported granular materials (Note a)	Suitable materials: Maximum CF value for as-dug granular material (Note b)
100	10	S	10mm nominal single- size	0.15
		B		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
		B		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
		B		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
		B		0.30 (Note c)
		F		0.15
		N	All in aggregate or coarse medium or fine sand	

Notes
(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
(b) The higher the CF value for as dug bedding and sidefill materials the greater the required
(c) effort for adequate compaction.
(d) 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 angularity

Revision	Description	Drawn	Checked	Date
A	Car Park Surface detail added	WFN	AT	03-04-20

Preliminary ■ Information □ Tender □ Construction □ As Built □

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Title UPPER HEYFORD
PARCEL D2e (PHASE 5c)

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 A