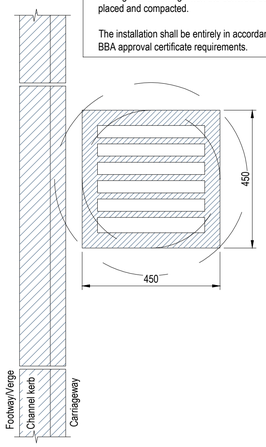
ALTERNATIVE GULLY POT

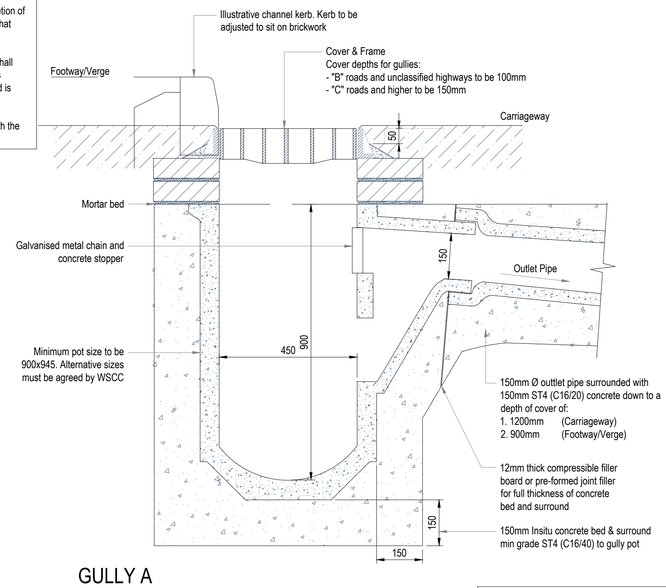
PVCu plastic gully pots (BBA Approved) of the dimensions below, may only be used at the discretion of WSCC, where the highway inspector is satisfied that supervision is adequate.

The typical detail of this type of gully installation shall incorporate suitable provisions to prevent the pots floating and distorting when the concrete surround is placed and compacted.

The installation shall be entirely in accordance with the BBA approval certificate requirements.



GULLY A
TYPE: PRECAST CONCRETE PLAN
SCALE 1:10



GULLY A
TYPE: PRECAST CONCRETE SECTION
SCALE 1:10

SURFACE WATER PIPES

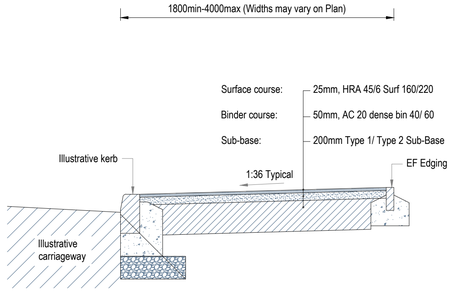
Permitted Types as follows:

CLAY: (100Ø-1200Ø)
All pipe shall be Vitrified Clayware to BS EN 295-1:1991

UPVC: (100Ø-1100Ø)
All pipes shall be to BS EN 1401-1:1998.
All pipes shall be ribbed 'twin wall' to provide a suitable network (pipes & couplings)

CONCRETE: (300Ø min.)
All pipes shall be made with Sulphate resistant Cement to BS 5911-1:2002

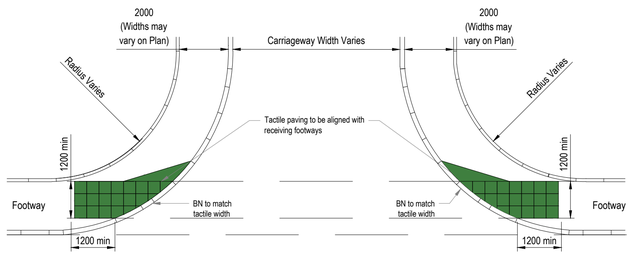
- ALL jointing and installation shall be undertaken to manufacturers specification.
- ALL materials shall be BBA certified.
- ALL materials shall comply with the Specification for Highway Works



TYPE 1:
FLEXIBLE FOOTWAY CONSTRUCTION (ADJACENT CARRIAGEWAY)
Scale 1:20

FOOTWAY - FLEXIBLE CONSTRUCTION TABLE SELECTOR	FOOTWAY
Type 1 / Type 2 (Clause 803)	200
BASE:	
32mm Dense Asphalt Concrete Base 40/60 PEN	-
BINDER:	
20MM Dense sphalt Concrete Binder 40/60 PEN (Not required with block paviors)	50
SURFACE COURSE:	
Heavy Traffic Option: HRA 30/10 F Surf 40/60 HRA 45/6 Surf 160/220	25
6mm Dense Graded Asphalt Concrete Surface course 100/150	20
10mm Close Graded Asphalt Concrete Surface Course 100/150	-
Blocks on 30mm sand Bed	60

PAVING NOTES:
A. All thickness in mm.
B. A single row stretcher course shall be applied around all ironwork service covers.
C. Where recessed covers are installed the laying pattern must match.
D. Gaps/joints must be sealed with a proprietary sealing system.
E. Type 1/2 Sub-base to be in accordance with Specification for Highway Works Clause 803 (See drg. 4000)
F. All paving shall be sealed on completion of the works with a proprietary sand stabilization material



CROSSING PLAN DETAIL
FOOTWAY-FOOTWAY
Scale 1:10

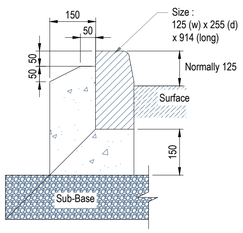
Where Inspection chamber covers are located within an area of proposed tactile paving, the designer is to liaise with the statutory undertaker to agree that the cover is to be recessed to accept in-laid tactile paving. If the statutory undertaker does not agree, then Option 3 is to be used

Notes:

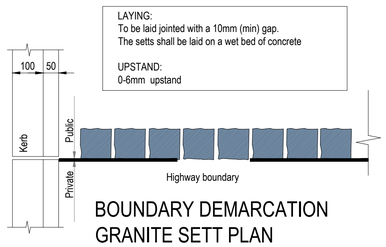
1. Do not scale from this drawing.
2. Prior to the commencement of laying the formation shall be treated with an approved residual weedkiller.
3. The Highway Inspector may request inclusion of a non-woven separation membrane to mitigate weed/root intrusion.
4. The Highway Inspector may increase the Sub-base depth or include a geotextile or gegrid on formation where site ground conditions are considered to be sub-standard.
5. None of the details on this drawing are suitable where "no-dig" construction is required.
6. Kerbs to be butt jointed. Where kerb alignments incur' minor open joint tapers' in excess of 5mm between formed surfaces mortar jointing shall be used as directed by Highway Inspector.
7. All full length PCC kerbs are to be mechanically handled.
8. All precast concrete Kerbs & Edging shall be to BS EN 1340 & laid to BS 7533-6
9. All kerbs & Edgings bed & backing to be Concrete Class ST1 (C6/8), well compacted. Unless otherwise stated this shall be a minimum bed thickness of 150mm.
10. Carriageway Demarcation CSI/Granite setts to be ST4(C16/20).
11. The correct radius kerbs shall be used for all radii of 12m or less. For radii between 12m and 20m, 600m long straight units shall be used. Radius kerbs shall be used to form corners of laybys.
12. Suitable transition kerbs shall be used for all drop kerb and upstand variation locations.
13. Full height kerb upstand shall be as shown unless otherwise agreed by WSCC under a formal request.
14. Drop kerb upstand shall be 0-6mm for pedestrian crossings, 25mm for vehicular crossings
15. Details taken from West Sussex County Council Standard detail drawings S278/38/01,02(Rev B) And 03 (Rev A)
16. Cover Grade shall be minimum D400 unless otherwise agreed with the Highway Inspector. 675mm clear opening.
17. Frames shall be bedded on a gauged Class 1 (3:1) sand/cement mortar to Cl.2402 of SHW Mortar Designation (i) and between 2 and 4 courses of Engineering Brickwork Class 'B' to BS EN 771-1:2011.
18. Pre-cast concrete products shall comply with the relevant provisions of BS 5911: Part 2, 200 & 230.
19. All gully grating and frame to be 'hinged' heavy duty ductile iron minimum grade D400 in accordance with BS EN124:1994 & Section 508 of the Specification of Highway Works.
20. All ironworks shall carry a BSI kite mark.
21. Frames shall be bedded on a gauged Class 1 (3:1) sand/cement mortar to Cl.2402 of SHW Mortar Designation (i), and either 2 or 3 courses of Engineering Brickwork Class 'B' to BS EN 771-1:2011.
22. Gully pots used for carriageway gullies shall be of precast concrete using Sulphate Resisting Cement (SRC) in accordance with BS5911, part 230, 2004.
23. All gullies to be tapped. Any variation to this i.e. 'non-trapped', 'gully chute' or 'grip' must be qualified and WSCC shall review each location on an individual basis.
24. Selection of gully grating type shall be to suit the application area i.e. carriageway, footway/cycleway and to be satisfaction of the Highway Inspector.
25. Pipe bedding to highway drainage to be Type Z when located under carriageway, and Type T at all other times, as detailed on Specification of Highway Works HCD no. F1.
26. All drainage to be constructed in accordance with SFA 7th Edition.

DO NOT SCALE OFF THIS DRAWING

11.



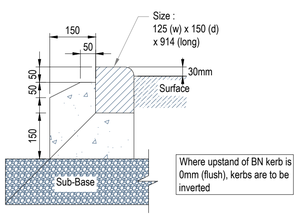
FULL HEIGHT KERB TYPE HB2
SCALE 1:10



LAYING:
To be laid jointed with a 10mm (min) gap.
The setts shall be laid on a wet bed of concrete

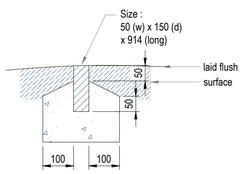
UPSTAND:
0-6mm upstand

BOUNDARY DEMARCATION GRANITE SETT PLAN
SCALE 1:10

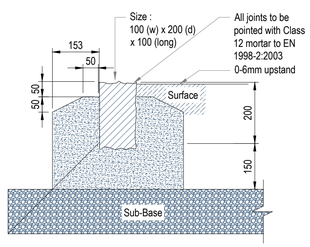


Where upstand of BN kerb is 0mm (flush), kerbs are to be inverted

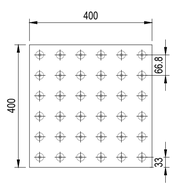
DROP KERB TYPE BN
SCALE 1:10



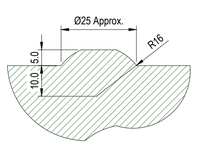
EDGING TYPE EF FLAT TOP
SCALE 1:10



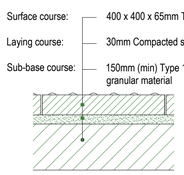
BOUNDARY DEMARCATION DOUBLE ROW GRANITE SETT SECTION
SCALE 1:10



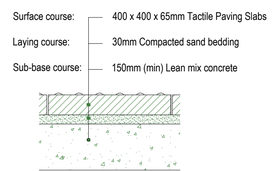
TACTILE SLAB PLAN
Scale 1:10



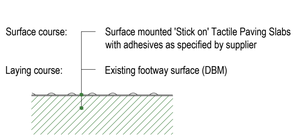
TACTILE SLAB DOME SECTION
Scale 1:10



LAYING METHOD OPTION 1
Scale 1:10



LAYING METHOD OPTION 2
Scale 1:10



LAYING METHOD OPTION 3
Scale 1:10

NOTE:

Suitability of OPTION 3 for Section 278 'off-site' works, will only be considered in conjunction with improvement to existing infrastructure. To be agreed with WSCC under formal request.

Rev	Date	By	Comment	Chkd	Appr
P2	25.04.16	BM	DRAWING FRAME AMENDED	GD	GD
P1	20.04.16	BM	ISSUED FOR APPROVAL	GD	GD

Status
FOR APPROVAL

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Project
BIDVEST FOODSERVICE
CHARTWELL ROAD, WORTHING

Drawing Title
PROPOSED BELLMOUTH
STANDARD DETAILS
SHEET 1 OF 2

Drawn		Checked		Approved		Scale
By	BM	By	GD	By	GD	AS SHOWN @ A1
Date	20.04.16	Date	20.04.16	Date	20.04.16	

Client No.	Project No.	Discipline	Drawing No.	Rev
5440	001	C	105	P2