

NOTES (To be read in conjunction with Drg Nos SD/5/12, 13 and 14.

1.1 All dimensions are shown in millimetres unless otherwise shown.

MATERIALS

- 1.1 Precast concrete gullies to BS 5911 - 1:2002
- 1.2 Clay gullies to BS 65:1991 and BS EN 295 - 1:2013.
- 1.3 In situ gullies to be formed in a ribbed high density Polyethylene liner with a current BBA Certificate.
- 1.4 Class B Engineering bricks to BS EN 772 - 1:2011, BS EN 771 - 1:2011 and Drg No SD/5/12.
- 1.5 Gully frames and covers are to be in accordance with Table 5/11 and must show the, EN 124 Class, Name of Manufacturer, place of Manufacture and product identification. The frames and covers must show a third party certificate mark. The Independent Certificate bodies include the BSI Kitemark or other equivalent recognised certification body.

TABLE 5/11 PERMITTED GULLY FRAMES AND COVERS

EN124 GRADE	REF	TYPE	MATERIALS	MIN DEPTH	MIN OPENING SIZE	APPLICATIONS
D400	400/T	Double Triangular	Ductile Iron uncoated unless otherwise specified	100	430 x 430	To be used on trunk and classified roads where lane widths are less than 3.6m (eg climbing lanes, roundabouts etc.
D400	400/H	Non-rock with captive hinge	Ductile Iron uncoated unless otherwise specified	100	375 x 425	To be used in all other locations subject to vehicular traffic.
B125	125/H	Non-rock with captive hinge	Ductile Iron Grey Iron	60 100	300 x 300	Footways, cycleways and other pedestrian areas.

CONSTRUCTION

- 2.1 Gully grates and frames to be laid to the crossfall of the finished surface.
- 2.2 The concrete surround to gullies shall fill the whole void between the gully pot and the face of the excavation. The concrete should be compacted by vibrating poker to remove all voids.
- 2.3 For insitu Concrete gullies, the liner must be held by suitable weight to prevent floatation.
- 2.4 Where the outlet pipe of a gully within the carriageway is behind the kerbline/ channel, the depth from the top of the grating to the top of the gully outlet pipe shall be 375mm to 425mm.
Where the outlet pipe of the gully is on the carriageway side of the kerbline/ channel, the top of the grating to the top of the gully outlet pipe shall be 525mm to 575mm by increasing the number of brick or riser courses.
- 2.5 Corbelling of brickwork will be no more than 30mm per course, in excess of this, corbelling shall be supported by 12.5mm thick galvanised steel plates.
- 2.6 On new construction the brickwork shall be completed after the road base layer(s) have been laid. The Contractor must allow for fixing suitable temporary formwork over the gully prior to laying the road base layer(s).
A void for the brickwork should be cut with vertical edges into the road base layer(s) to a minimum size to allow the brickwork to be completed.
Any overbreak should be filled with the same mortar used for the bedding of the frame and cover as described in Drg No SD/5/12.
- 2.7 Where the gully connection pipe is of a different material or system from that of the gully pot, the connection should be made only using the appropriate manufacturers adaptors.

Rev.	Description	Drawn	Ch'kd	Auth	Date



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Project		Highway Construction Details			Project	Drawn	Date
Status	Project No.	DRAINAGE			Ch'kd	JLS	10/06/2020
Drawing Title		Gullies			Auth	JJP	Traced JLS
Drawing No.		SD/5/11a			Rev.	0	Scale N.T.S@A4