

Class D400 manhole covers and frames 600mmx600mm to BS EN 124 to be used in adotable highways and private roads and car parks with class B125 elsewhere, bedded and haunched with mortar.

All brickwork to be Class B engineering to BS 3921 - 2 courses min; 4 courses max; 225mm thick

Min. 250 coarse graded aggregate (CGA) subject to CBR testing and hydraulic and structural design on non-woven geotextile - see Surface Water Drainage Design Notes

Hydraulic link to be provided between granular surround and CGA to permeable paving above to allow water flow

Non-woven geotextile wrapped around filter material

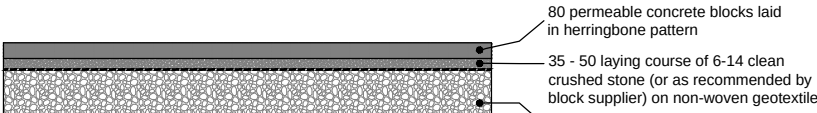
perforated precast concrete rings to BS5911 part 200 constructed with a minimum class 3 sulphate resisting cement.

500 min. compacted granular backfill 50 - 75mm to BS882. contiguous with granular sub base of pervious pavement construction to allow water flow

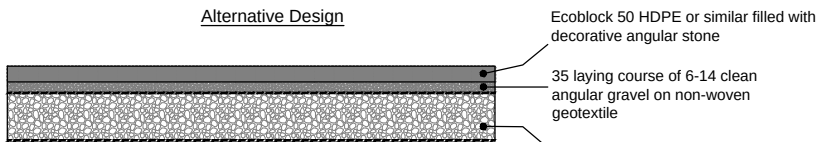
Min. 500 wide x 225mm thick concrete foundation class ST2 to extend min 100 beyond external diameter of rings.

compacted granular backfill 50-75mm to BS882.

TYPICAL PCC RING SOAKAWAY
IN PERMEABLE PAVEMENT AREAS



Typical Concrete Block Permeable Paving



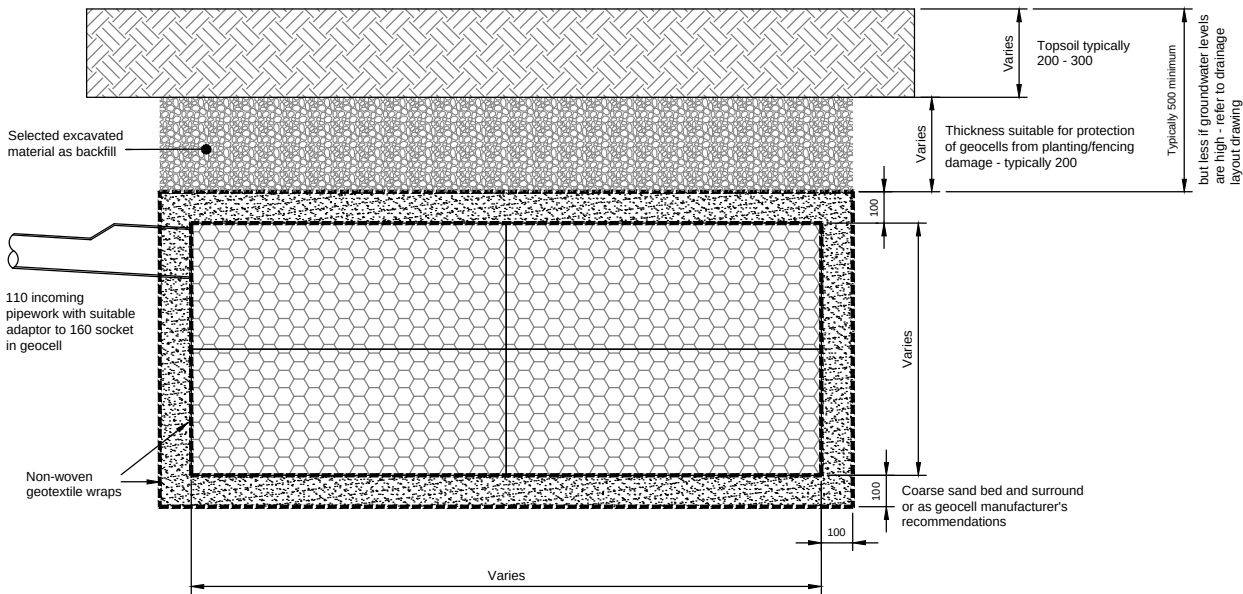
Typical Gravel Suraced Permeable Paving

Note
Permeable paving design is for hydraulic purposes only. The structural design will depend on the loads it is required to take and the strength of the formation and is to be carried out by others

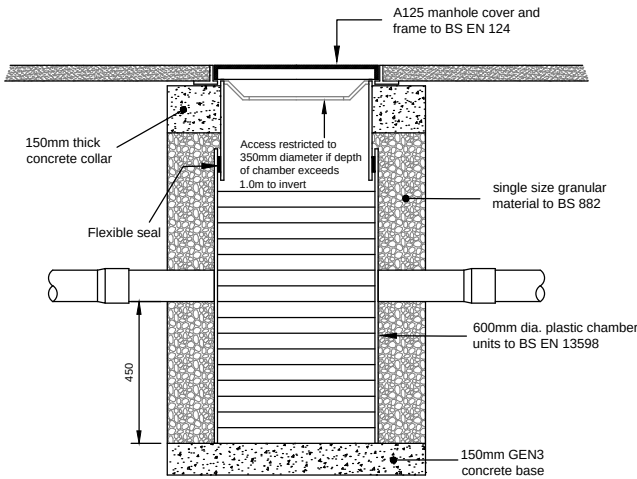
Soakaways in soft landscaped areas

These may be fitted with Class A15 ductile iron covers and frames.

Reinstatement to be topsoil and turf above soakaway granular surround



Typical Geocellular soakaway Unit
(for use in soft landscaped areas)



Typical Silt Trap Inspection Chamber Detail
(for use in soft landscaped areas and footways)

-	Original	RTFC	23.3.19
Rev.	Description	Drn.	Date

Project	The Cottage Piggeries Church Lane Barnham
---------	---

Client	Albert Brazil
Drawing Title	Surface Water Drainage Construction Details

© This drawing is copyright It may not be copied or reproduced without written authority			
Scale As shown		At original A3	
Drawing Number 2014/SK5		Revision -	