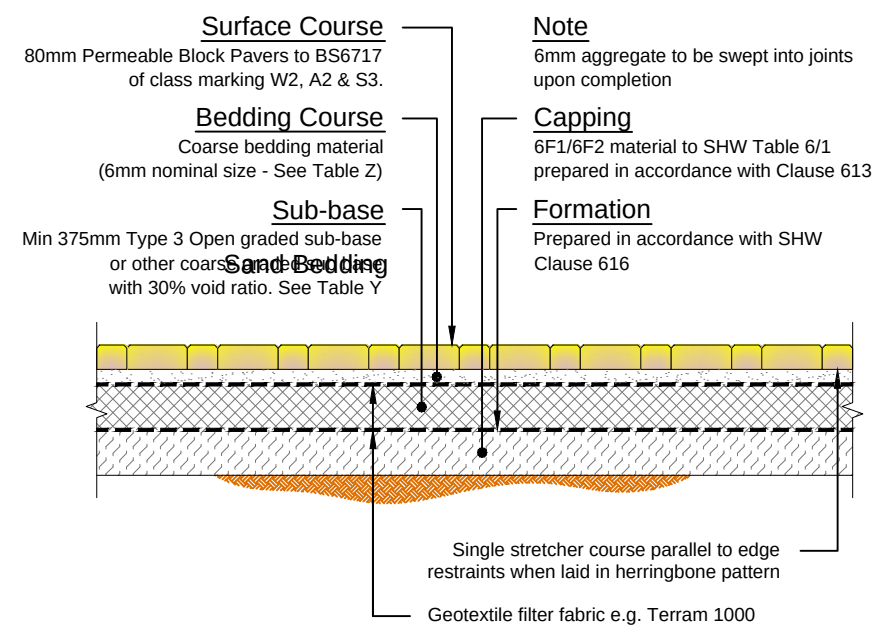
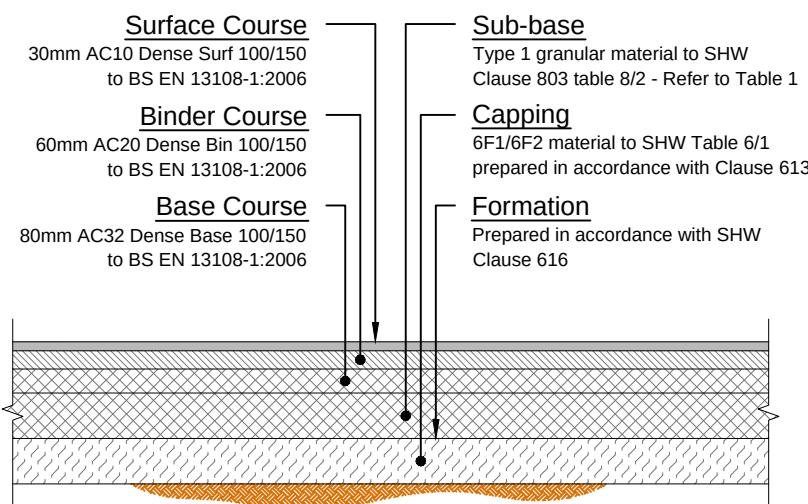
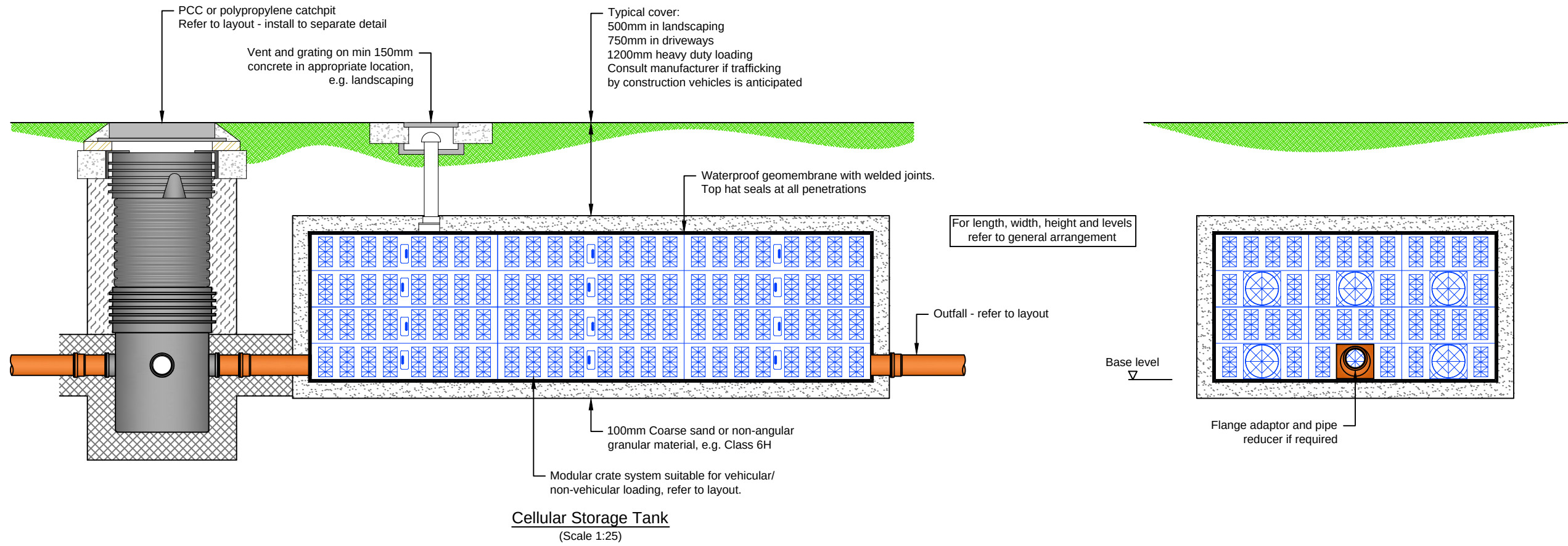




- NOTES
- Suitable geotextile to be installed in accordance with manufacturer's recommendations.
 - See Table Z for details of jointing material.
 - Final design subject to BRE 365 compliant infiltration testing (3 No. tests required)

Permeable Paved Parking
(Scale 1:25)

TABLE X - COARSE GRADED MATERIAL THICKNESS	
California Bearing Ratio (CBR) of sub-formation (%)	Thickness (mm)
2	500
3	400
4	350
5+	150



- NOTES
- Bond and tack coat to be provided in accordance with SHW Clause 920.
 - Where used, suitable geotextile to be installed in accordance with manufacturer's recommendations.

Shared Tarmac Parking
(Scale 1:25)

California Bearing Ratio (CBR) values (%)	Minimum thickness (mm) of sub-base (consolidated in accordance with SHW Clause 801, Table 8/1)	
	Without geotextile underneath	With geotextile underneath
Less than 2	N/A	300
2 - 3	325	225
3 - 5	250	150
5 - 7	150	
7 - 20	100	

- NOTES
- On-site tests should be carried out to determine the CBR and frost-susceptibility of the sub-grade. Where the tests indicate that the sub-grade is frost susceptible a suitable capping layer to SHW Clause 613 should be included below the sub-base to give a minimum total construction depth of 450mm.

TABLE Y - SUB-BASE GRADING
(GRADING 4/20, G_c 85-15, G_{Tc} 20/17.5)

Sieve size (mm)	Percentage passing
80	-
63	-
40	100
31.5	98-100
20	90-99
10	25-70
4	0-15
2	0-5
1	-

- NOTES
- These gradings are typical and advice should be sought from the block manufacturer on specific gradings for their product/system.
 - For physical property recommendations of coarse grade aggregate See BS 7533-13:2009 Table A.3.

TABLE Z - GRADING FOR LAYING AND JOINTING MATERIAL

Sieve size (mm)	Percentage passing
14	100
10	98-100
6.3	80-99
2.0	0-20
1.0	0-5

- NOTES
- These gradings are typical, advice should be sought from the block manufacturer on specific gradings suitable for their product/system.

HEALTH, SAFETY & ENVIRONMENT

It is the responsibility of the client to ensure that those undertaking the works are competent and experienced in the type of work to be undertaken.

In addition to the hazards usually associated with the types of work detailed on this drawing, the following specific hazards have been identified through design risk assessment. The planning and execution of the works should take into account all usual and specific hazards.

Hazards should also be taken into account in the maintenance, operation, decommissioning and demolition of the works.

- ▽ LIVE SERVICES MAY BE PRESENT ON SITE
- ▽ EXISTING GROUND MAY BE CONTAMINATED
- ▽ DEEP EXCAVATIONS NECESSARY

DRAWING NOTES

- This drawing and information contained within is the copyright of Ramtech Consulting and must not be distributed or reproduced without explicit written consent.
- Information is specific to the site detailed in the title block and must not be replicated for any other project.
- Do not scale from this drawing. Only work to given dimensions.
- Information must be checked against all other disciplines design drawings and discrepancies reported to the client or engineer immediately.

T1	21.09.18	Details updated, issued for tender	TR	RP	RP
P1	12.07.18	First Issue	TR	RP	RP
Rev.	Date	Description	Drawn	Checked	Approved

TENDER

Hillingdon Hospital
A&E Expansion

Drainage Construction Details
Sheet 2 of 2

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Drawing No:	1143-1003	Revision:	T1
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SCALE 1 : 25 @ A1

