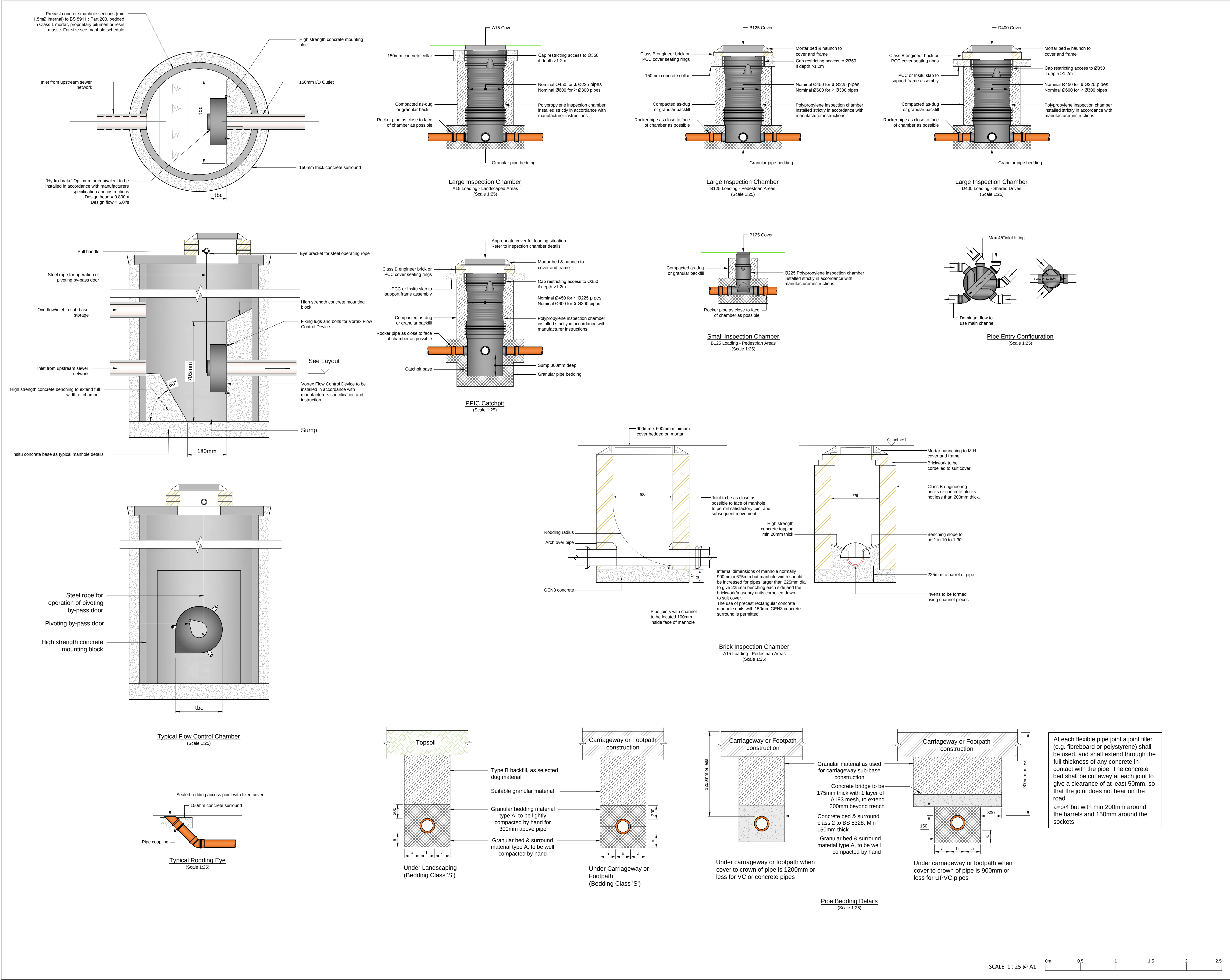




HEALTH, SAFETY & ENVIRONMENT

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.

Minimum Manhole Chamber Diameters (SfA7)	
Pipe Diameter	Min MH Diameter (Internal)
Less than Ø375	Ø1200
Ø375-450	Ø1350
Ø450-700	Ø1500
Ø750-900	Ø1800

Rocker Pipe Lengths (SfA7)	
Pipe Diameter	Max Effective Length
Less than Ø375	600
Ø375-450	1000
Ø450-700	1250

Min Cover Loading Classes (BS EN 124)	
Cover Location	Max Effective Length
Landscaping e.g. Gargens	A15
Footpaths, Driveways	B125
Shared drives, Car parking	C250
Highways, HGV Loading	D400

Compressible Filler	
Pipe Diameter	Thickness
Less than Ø450	18
Ø450-1200	34
Over Ø1200	56

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 1 of 2

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Drawing No: **1143-1002** Revision: **T1**