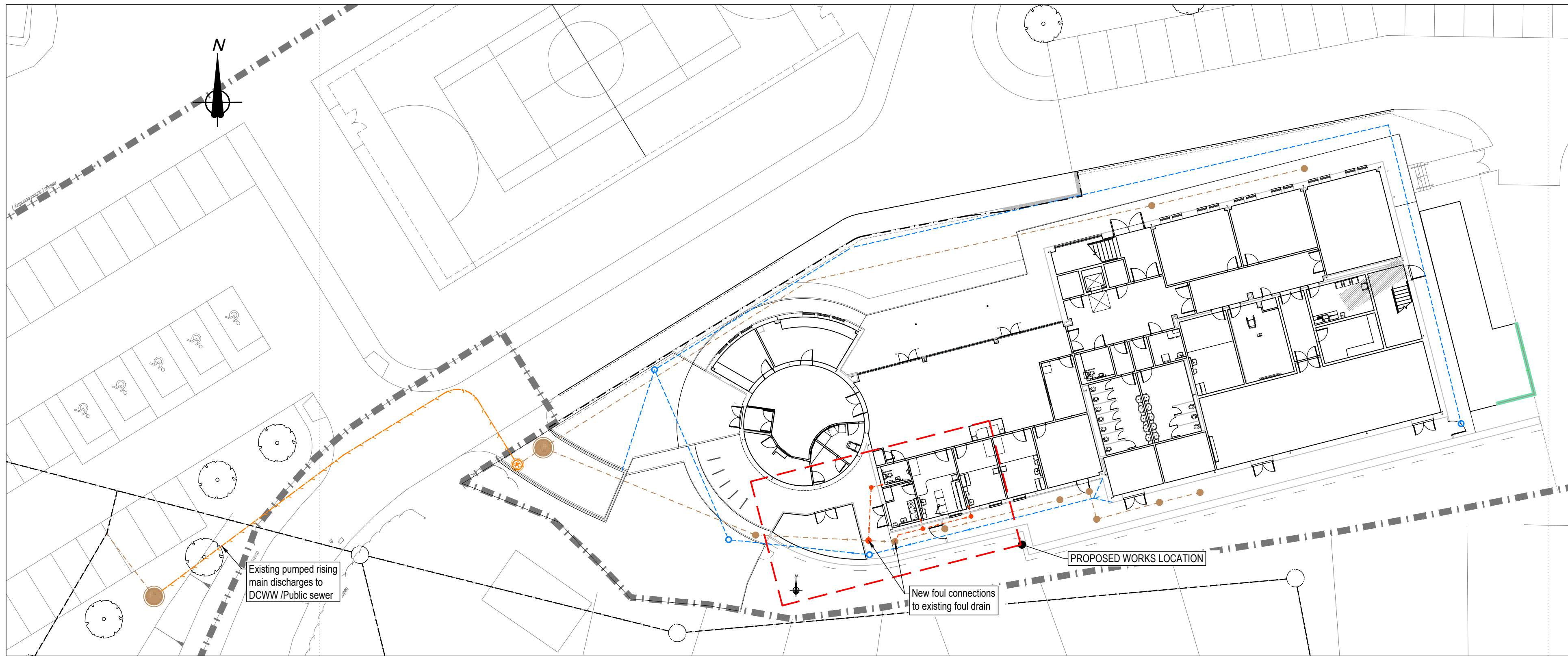
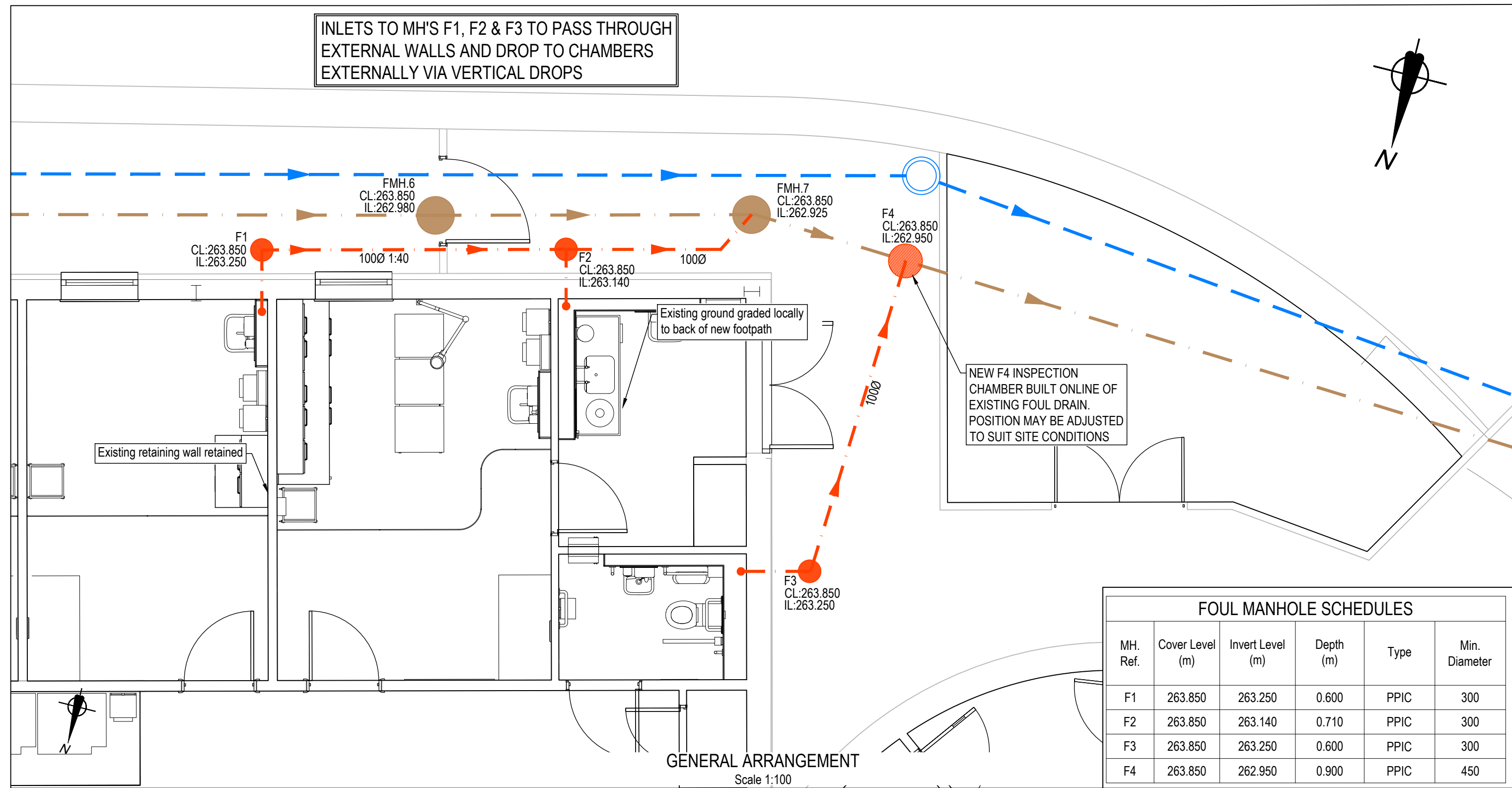




LOCATION PLAN
Scale 1:250

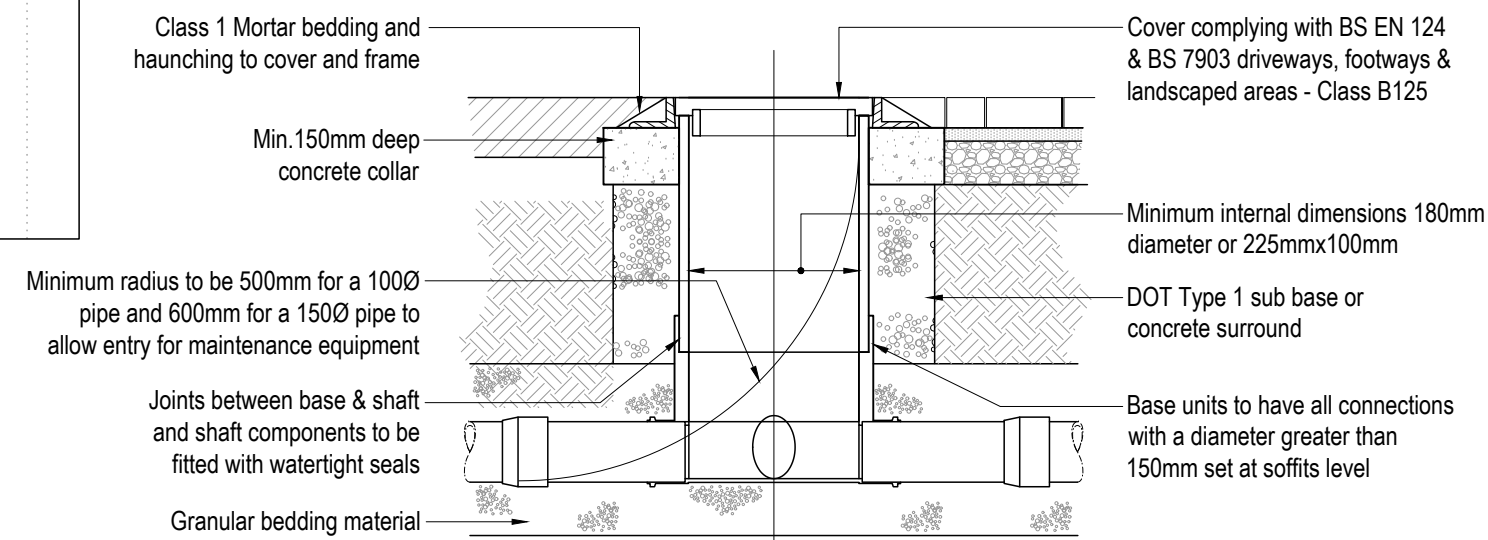


FOUL MANHOLE SCHEDULES					
MH. Ref.	Cover Level (m)	Invert Level (m)	Depth (m)	Type	Min. Diameter
F1	263.850	263.250	0.600	PPIC	300
F2	263.850	263.140	0.710	PPIC	300
F3	263.850	263.250	0.600	PPIC	300
F4	263.850	262.950	0.900	PPIC	450

LEGEND

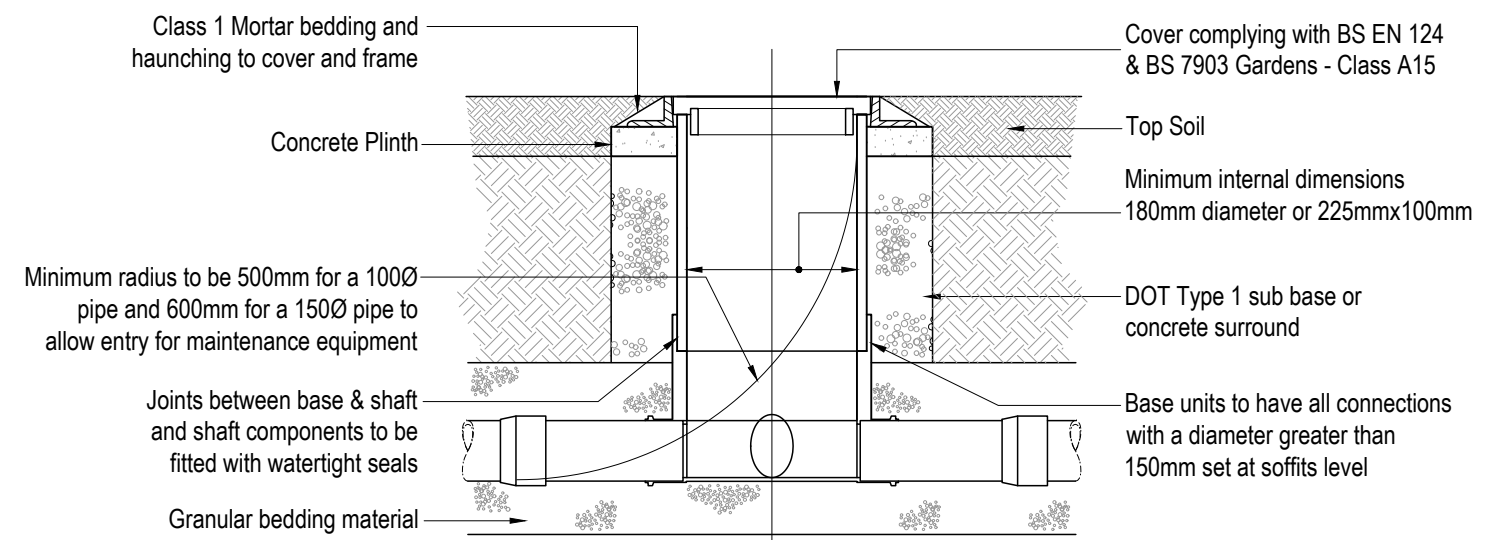
- Existing Foul Drains*
- Existing Storm Drains*
- Existing package pump station & pumped rising main
- Existing DCWW sewers
- Proposed Foul Drains with foul inspection chamber <3.0m deep with restricted access depths over 1.2m (700mm deep unless noted)

*Positions & levels taken from record drawings



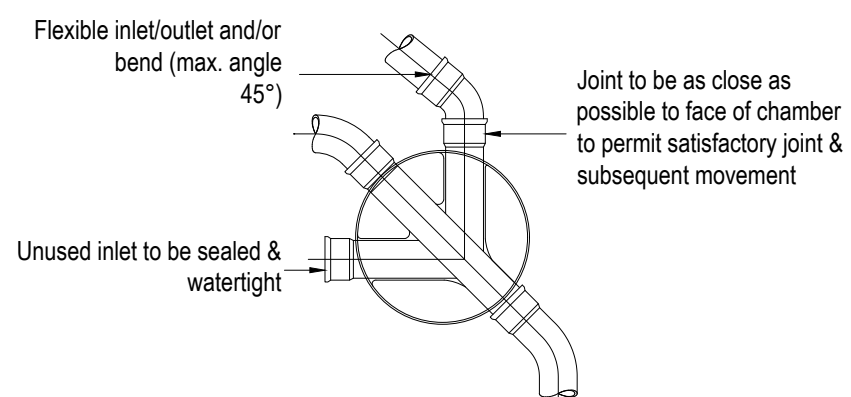
TYPICAL INSPECTION CHAMBER DETAIL - TYPE 4
(Flexible material detail)

Maximum depth from cover level to soffit of pipe 2m, non-entry (Sited in driveways or paved Areas)

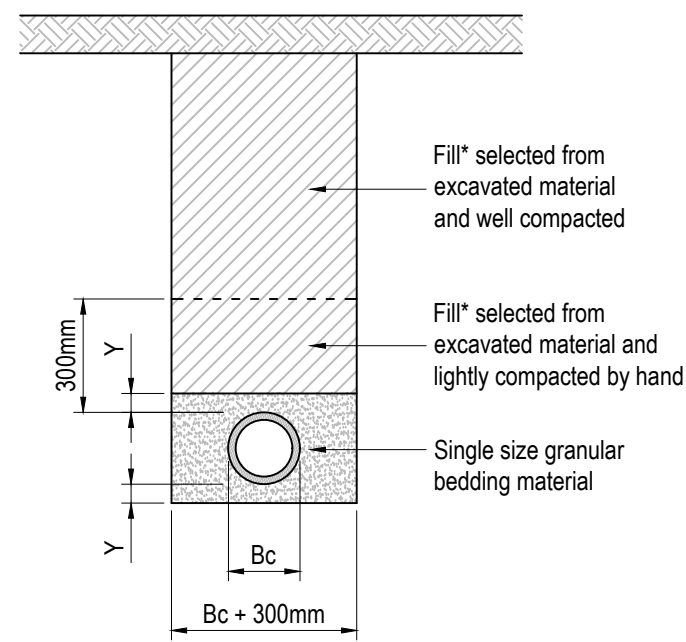


TYPICAL INSPECTION CHAMBER DETAIL - TYPE 4
(Flexible material detail)

Maximum depth from cover level to soffit of pipe 2m, non-entry (Sited in soft landscaped areas)



BASE LAYOUTS FOR PLASTIC
TYPE 3 & TYPE 4 CHAMBERS



CLASS S
BED AND SURROUND

DIMENSION Y

In machine-dug uniform soils:

Y = For sleeve jointed pipes a minimum of 50mm or $\frac{1}{4}$ Bc whichever is the greater; for socketed pipes a minimum of 100mm or $\frac{1}{4}$ Bc, whichever is the greater under barrels but not less than 50mm under sockets.

In rock or mixed soils containing rock bands, boulders, large flints or stones or other irregular hard spots:

Y = For sleeve jointed pipes a minimum of 150mm or $\frac{1}{4}$ Bc whichever is the greater; for socketed pipes a minimum of 200mm or $\frac{1}{4}$ Bc, whichever is the greater under barrels but not less than 150mm under sockets.

* Selected Fill:
Selected fill should be readily compactable and free from timber, frozen material, vegetable and foreign matter and exclude hard lumps of clay retained on a 100mm sieve and stones retained on a 40mm sieve

DESIGN NOTES:

- This drawing is to be read in conjunction with and checked against all other drawings, engineering details, specification and any structural, geotechnical or other specialist document provided.
- The Contractor is to check and verify all buildings and site dimensions and levels, including sewer invert levels, before works start on site. the contractor is to comply in all aspects with the current building legislation, British Standards, Building Regulations etc.
- All levels and positions are in metres above ordnance datum, to be confirmed prior to construction by Contractor.
- Do not scale from this drawing, use figured dimensions only.
- Any anomaly or contradiction between any of the above is to be reported to the Engineer.
- All setting out details shall be verified on site with the Engineer. The Engineer may require minor amendment to the setting out and/or level details to ensure proper tie in to the existing carriageway and/or footways.
- All work within the public highway will be carried out in accordance with the requirements and specification of the Local Highway Authority, no work shall be undertaken within the public highway until a license has been issued by the Highway Authority
- The contractor shall be responsible for verifying the locations of any existing statutory utilities, along with any adoptable and private drainage that may be affected by the proposed works. identification should be carried out by means of either a CAT scan or hand dug trial holes. any damage to existing plant or equipment shall be repaired /made good.
- Details of the proposed statutory undertakers supply routes to be confirmed by the relevant undertaker.

DRAINAGE NOTES

- All existing drainage levels and outfall points shall be surveyed and verified by the contractor prior to the commencement of the works. Any discrepancies shall be reported to the engineer immediately.
- Large radius bends to be used at the foot of vertical discharge pipes/svps.
- Manhole covers should not bridge different surfaces.
- Where two pipelines (other than plastic pipes) cross with less than 300mm separation pipes are to be surrounded with class z concrete surround for not less than 1m centred on the crossing point. Concrete surround to be extended as necessary to within 150mm of nearest flexible joints.
- All internal foul outlet and rainwater pipe positions are to be confirmed by the Architect /M&E Engineer.
- All gully gratings are to be heavy duty.
- All below slab foul drainage to be 100mm diameter laid to a minimum gradient of 1:80.
- All pipework to be clay or pvcu with flexible joints all fully in compliance with the Building Regulations 2010.
- All pipework to be laid with soffit to soffit connections unless noted otherwise.
- All redundant pipework to be removed/grubbed-up to the satisfaction of the Building Control Officer.

REV.	DATE	DETAILS	BY:	CHK.
P2	25.04.26	Existing drainage added to location plan for information. Legend updated		

CLIENT:



Bwrdd Iechyd Prifysgol
Sae Abertawe
Swansea Bay University
Health Board

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PROJECT:
Croeserw Community Centre

DRAWING TITLE:
External Drainage

DRG NO.	PROJECT	ORIGIN	VOLUME	LEVEL	TYPE	ROLE	NUMBER
2615-PHG-XX-ZZ-DR-C-2000							
DRAWN: DRW	CHK: SJD	2615		As Shown			
DATE: 28.04.25	SUITABILITY: TENDER	REV:	P02		STATUS: D2		