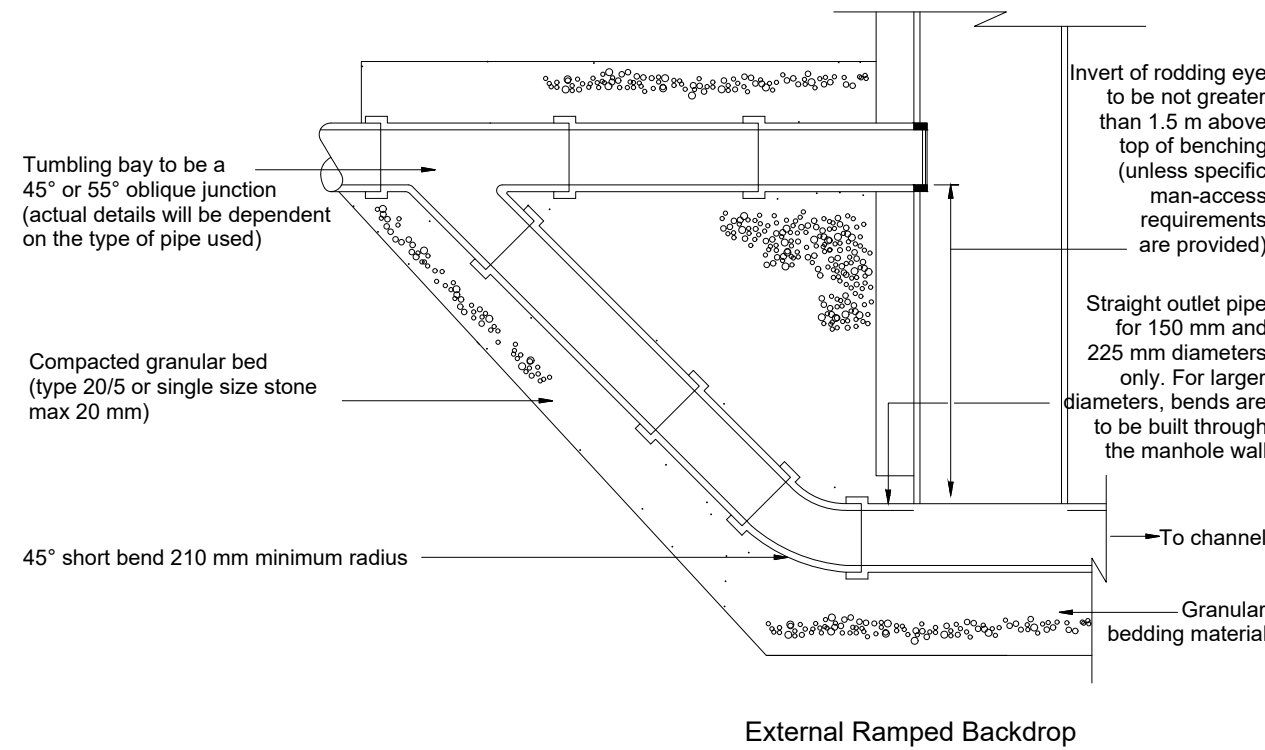
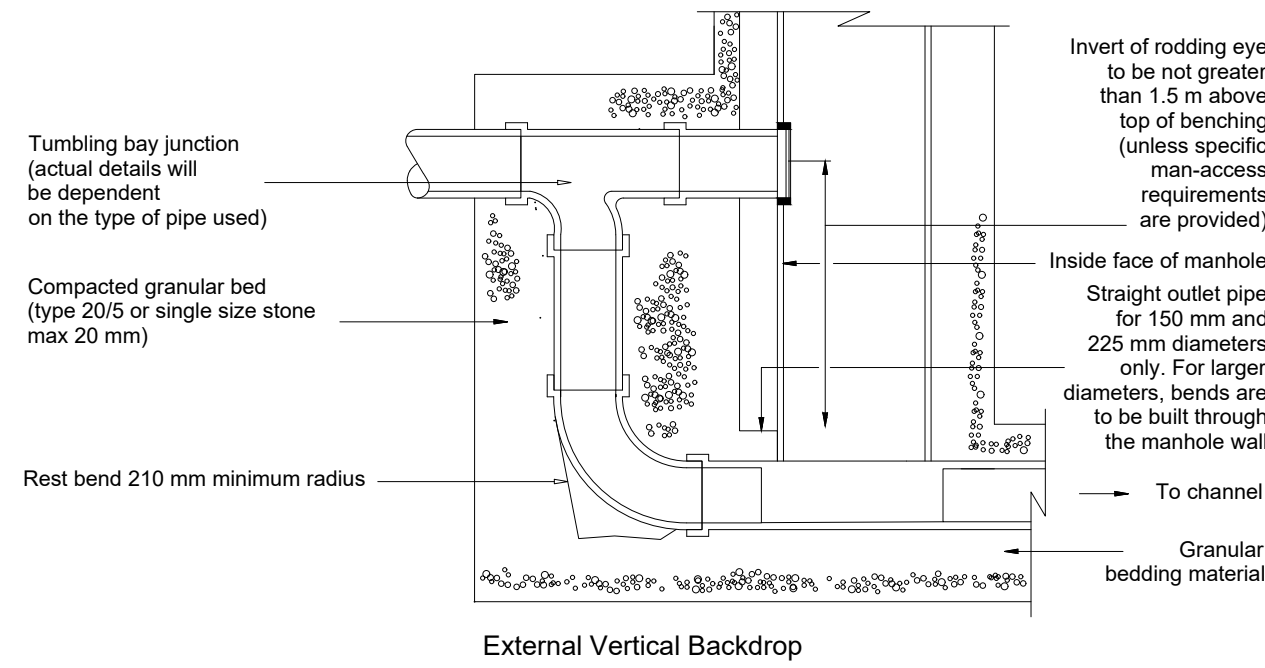


FIGURE B.17
TYPICAL VERTICAL AND RAMPED BACKDROP DETAIL(FLEXIBLE MATERIAL)
For use in manhole types A to D

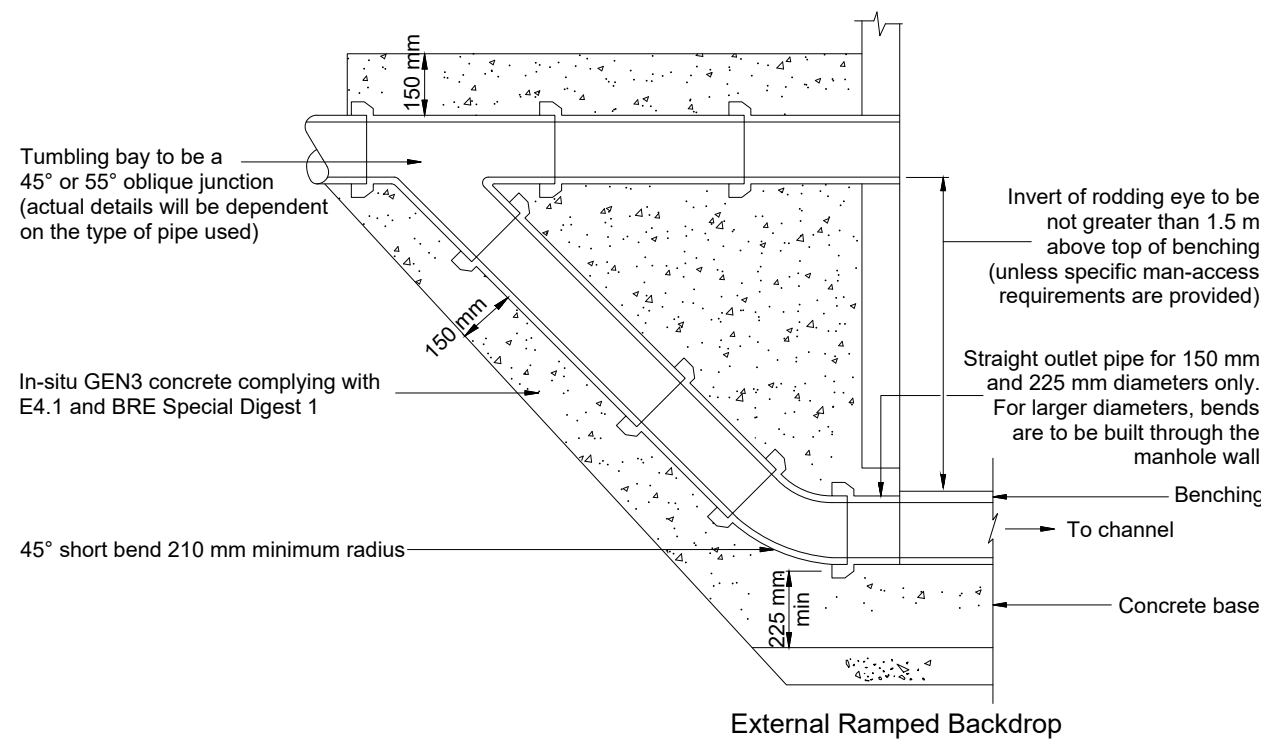
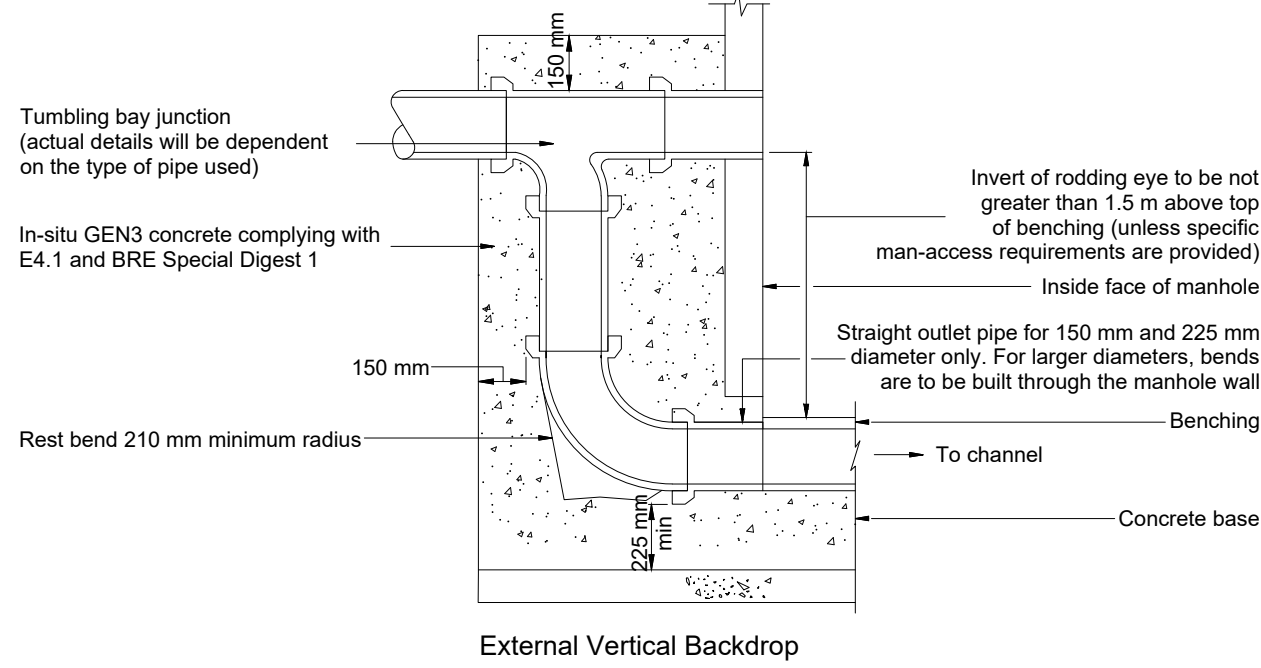
Note: Steeper gradients are preferred to the use of backdrops.
Type of backdrop to be used to be agreed with the water company.



Not to scale

FIGURE B.16
TYPICAL VERTICAL AND RAMPED BACKDROP DETAIL (RIGID MATERIAL)
For use in manhole types A to D

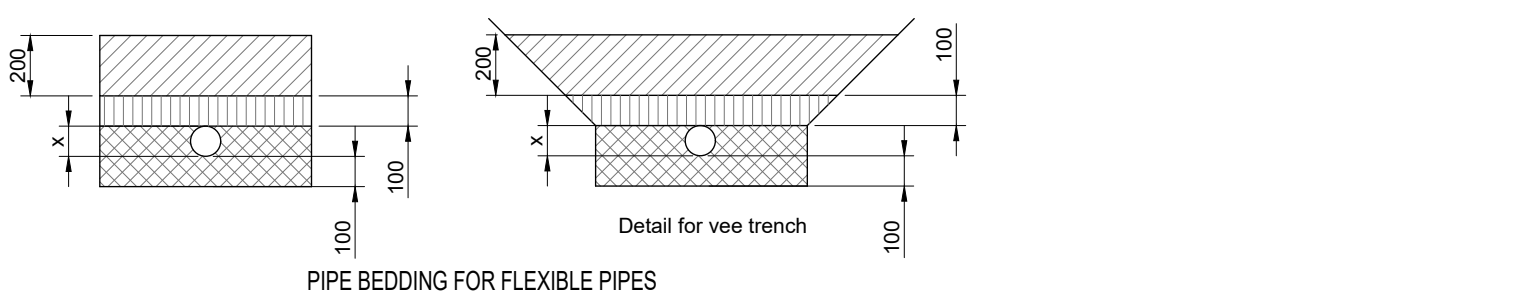
Note: Steeper gradients are preferred to the use of backdrops.
Type of backdrop to be used to be agreed with the water company.



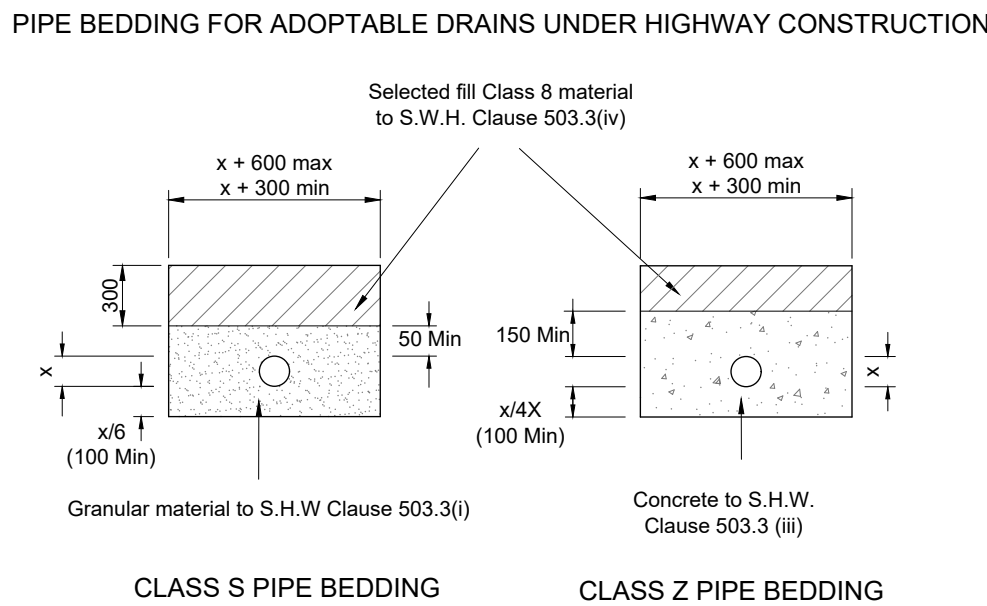
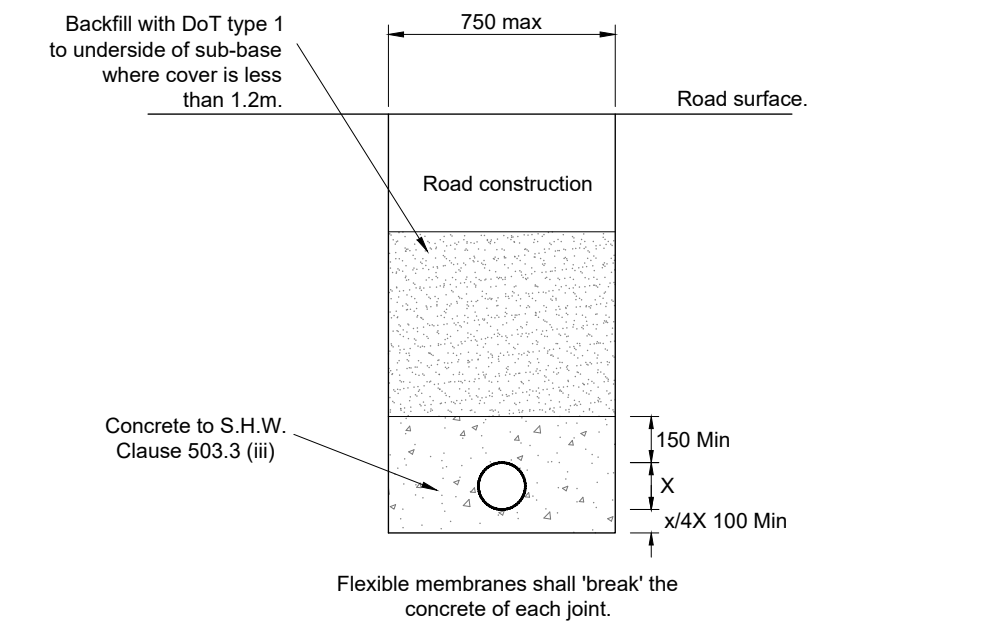
Not to scale

PIPE BORE	BEDDING CLASS	Fields and gardens		Light traffic roads		Heavy traffic roads	
		MIN	MAX	MIN	MAX	MIN	MAX
100mm	D or N	0.4	4.2	0.7	4.1	0.7	3.7
	F	0.3	5.8	0.5	5.8	0.5	5.5
	B	0.3	7.4	0.4	7.4	0.4	7.2
150mm	D or N	0.6	2.7	1.1	2.5	--	--
	F	0.6	3.9	0.7	3.8	0.7	3.3
	B	0.6	5.0	0.6	5.0	0.6	4.6
225mm	D or N	--	--	--	--	--	--
	F	0.6	2.5	1.2	2.1	--	--
	B	0.6	3.3	0.8	3.2	0.9	2.4

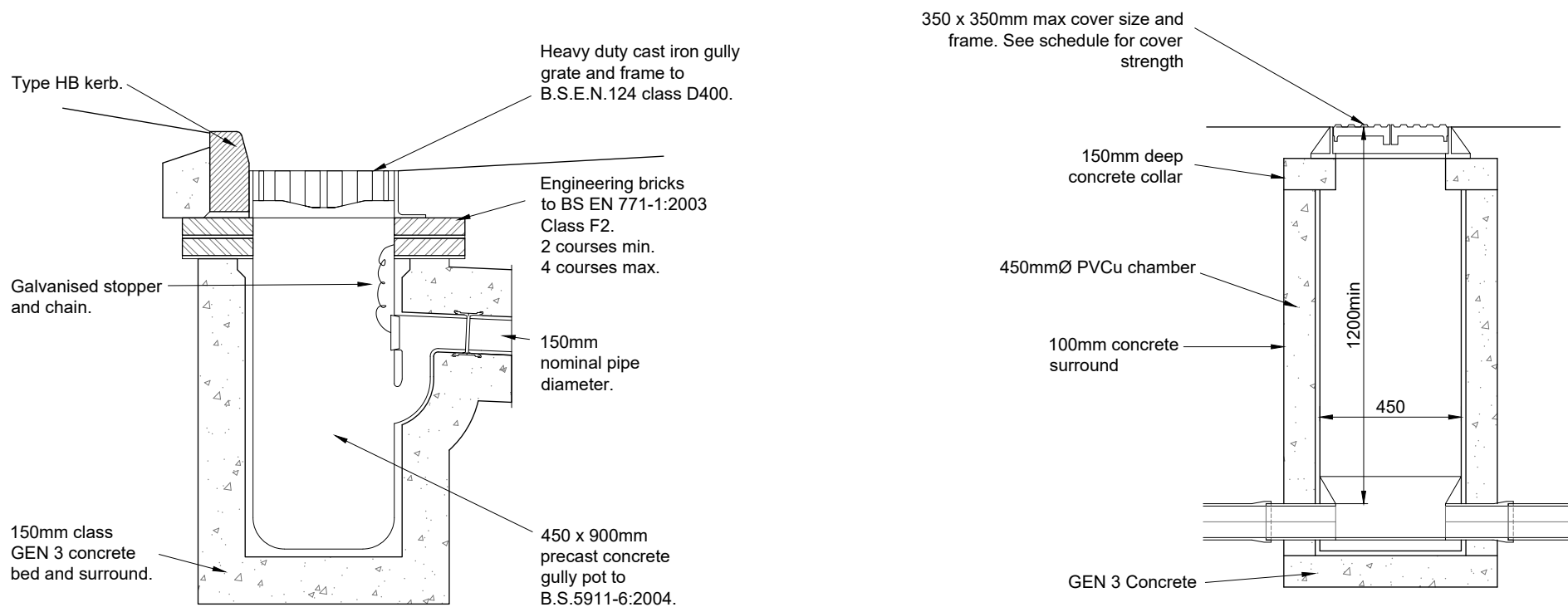
PIPE BEDDING FOR RIGID APPLIES (NON ADOPTIVE DRAINS)	
	CLASS D PIPE BEDDING
	CLASS N PIPE BEDDING
	CLASS B PIPE BEDDING
	CLASS F PIPE BEDDING



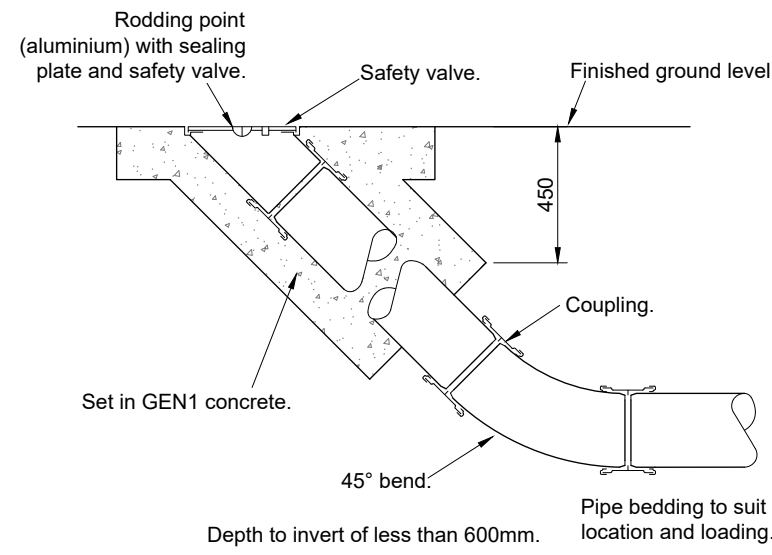
PIPE BEDDING DETAILS
(NON ADOPTABLE DRAINS)
(Not To Scale)



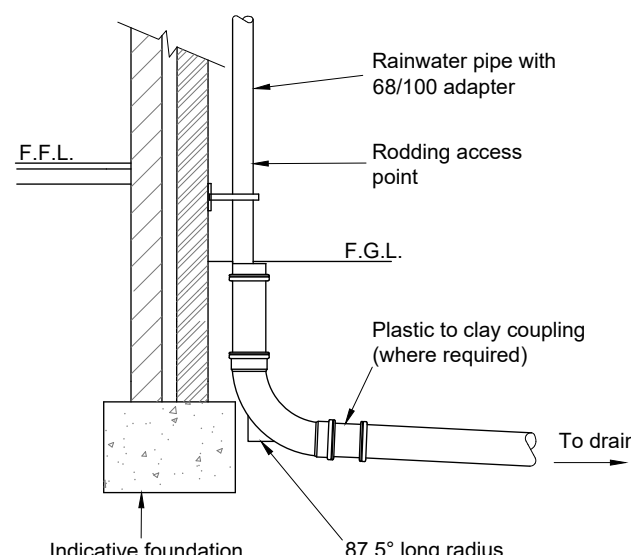
PIPE BEDDING DETAILS
(ADOPTABLE DRAINS)
(Not To Scale)



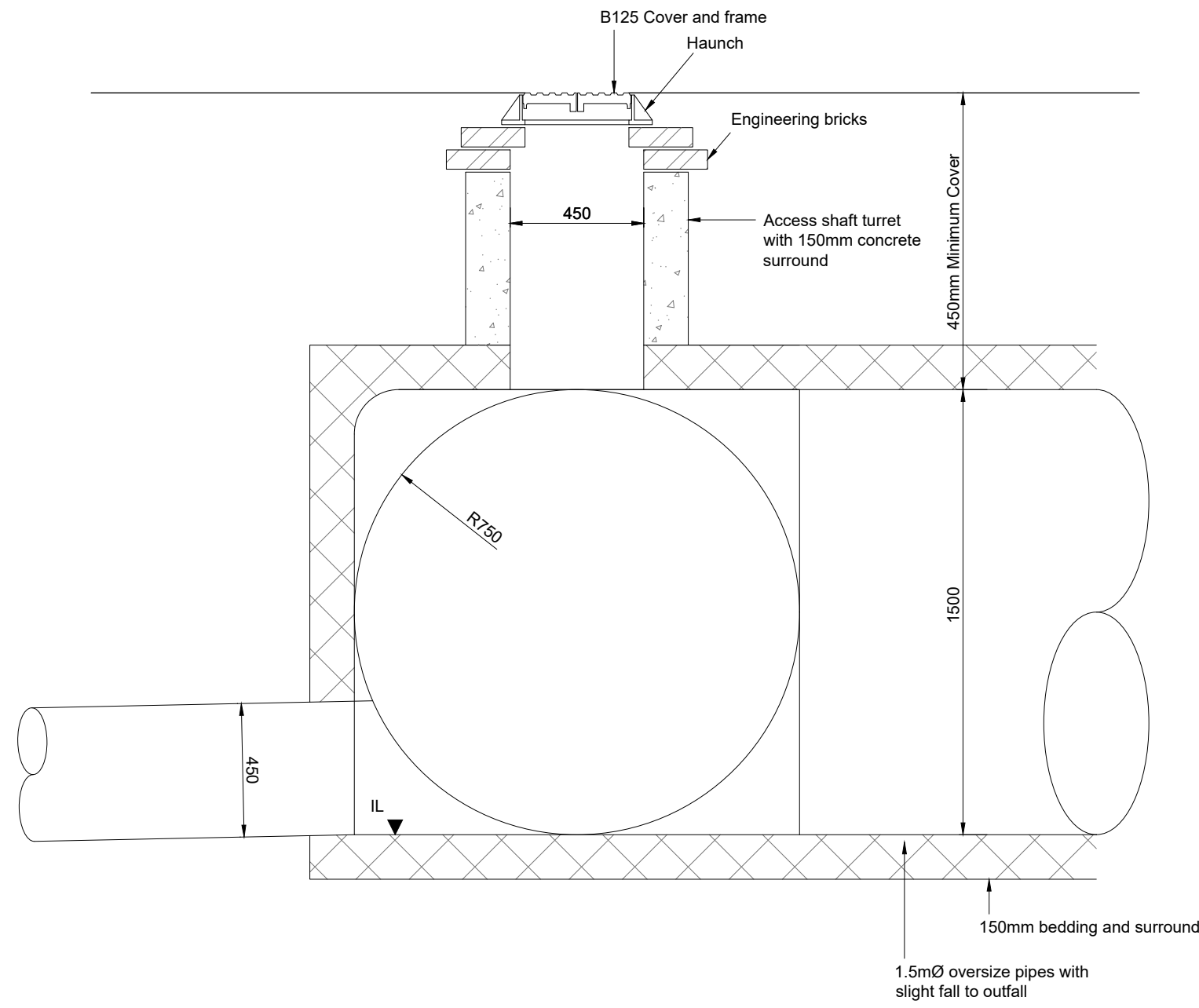
TYPICAL ROAD GULLY
(Scale 1:20)



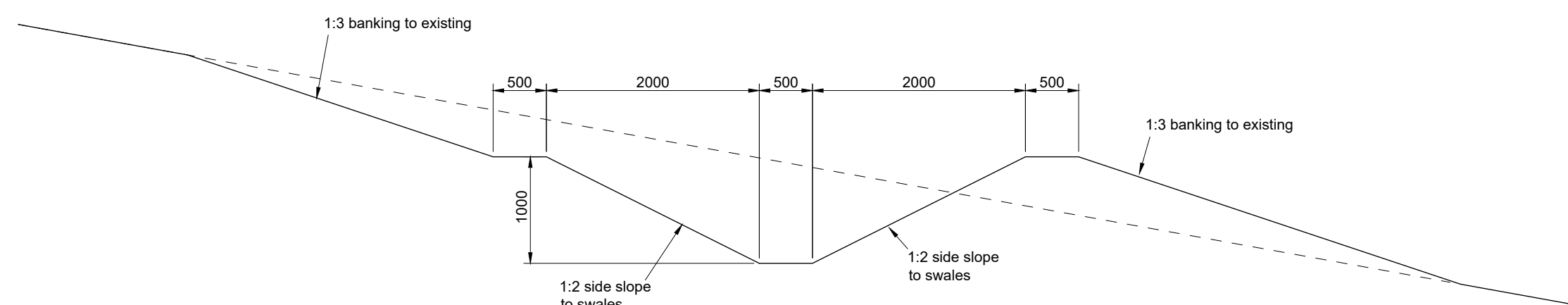
DETAIL OF RODDING EYE
(Scale 1:25)



TYPICAL RAINWATER PIPE DETAIL
(Scale 1:25)



WEHOLITE STORMWATER STORAGE DETAIL
(Scale 1:20)



TYPICAL SWALE PROFILE
(Scale 1:50)

- NOTES:
- All dimensions to be checked on site. All details and dimensions relating to sub-Contractors work must be checked and agreed between the sub-Contractor or supplier and the general Contractor.
 - This drawing is to be read in conjunction with all relevant Architect's and Engineer's drawings and specification.
 - The main Contractor is responsible for ensuring the stability of the structure whilst the works are in progress.
 - Any information given regarding existing underground services is given in good faith after consultation with the relevant authority. No liability is accepted by the Consultant and the main Contractor is responsible for obtaining and checking all information and taking due care and attention whilst undertaking the works.
 - All pipes, bends and junctions shall be vitrified clay to BS EN 295-1, with flexible joints and kitemark certified. Alternatively all pipes and fittings can be UPVC conforming to BS EN 1401-1 and shall be laid in accordance with the manufacturers specification. If UPVC pipes are to be used then the manufacturer shall be approved by the Engineer prior to construction.
 - All Adoptable sewers shall be in strict accordance with the current edition of Sewers For Adoption. Unless otherwise stated adoptable sewers shall be 150mm diameter and shall be laid in a class S bedding. Where the depth to soffit is less than 1.2m under a public highway or 0.9m elsewhere the pipe shall be laid with a class Z bedding.
 - All private building drainage shall be constructed in strict accordance with BS EN 752:1996. Unless otherwise specified building drainage shall be 100mm diameter and shall be laid at a minimum gradient of 1 in 40 for foul drains and 1 in 80 for surface water drains. All building drains shall be laid in class B bedding unless otherwise specified.
 - Where the service trench is near to the foundation of any building, refer to the guidance in Approved Document H, Building Regulations Part H1.
 - Where pipes, external to the structures, have a depth to soffit from ground level of less than 450mm they shall have a class GEN 3 concrete encasement (150mm thick). In all other cases the pipes shall be bedded and surrounded with 100mm thick granular material.
 - In any circumstances where pipes are bedded and surrounded in concrete flexible joints should be provided. Compressible boards (fibroboard or polystyrene) shall be provided at a maximum of 8m centres (coinciding with pipe joints). The boards shall be pre-cut to pipe diameter and to a height and width equal to the concrete cross section. A board thickness of 18mm for pipes up to 450mm nominal diameter and 36mm for pipes over 450mm nominal diameter.
 - All svps shall have rodding access plates fitted at their bases (ground floor level).
 - Where existing pipes are to be abandoned they shall be dug out together with any abandoned manholes.

REV DATE INT DESCRIPTION CHR

Issue Status FOR APPROVAL

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CLIENT		Rydon Homes Ltd / Gleeson Land	
PROJECT		Land North Of Water Lane, Angmering	
TITLE		Construction Details Drainage	
DRAWN	DATE	PROJECT NO.	
M Pacifico	Dec 2021	23544	
ENGINEER	CHECKED	DRG. NO.	REV.
S Magowan		5002	
SCALE	As Shown @ A1		