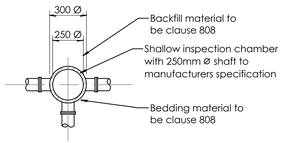
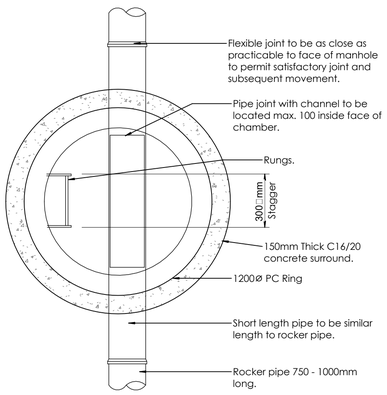


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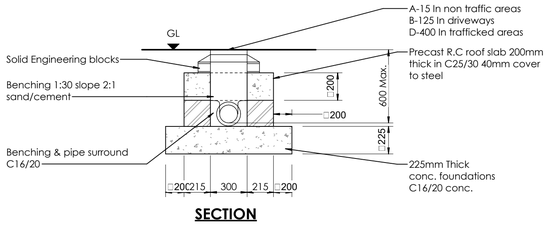


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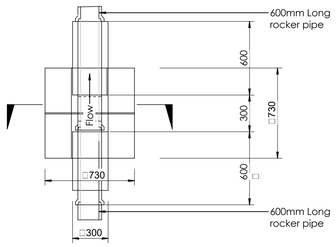
CIRCULAR INSPECTION CHAMBER WHERE INVERT IS 0.6M OR LESS - BUILDING REGULATION TGD SECTION H TABLE 9



SECTION C-C

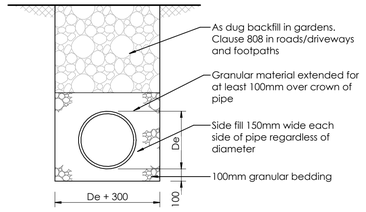


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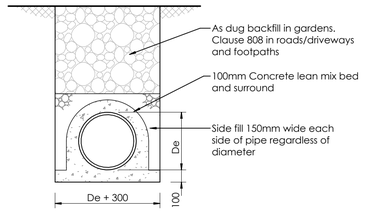


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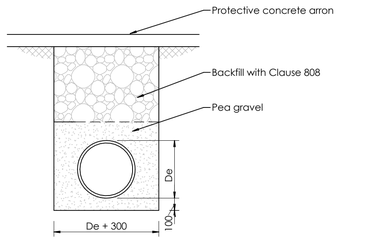
INSPECTION CHAMBER WHERE INVERT IS 0.6M OR LESS - BUILDING REGULATIONS TGD SECTION H TABLE 9



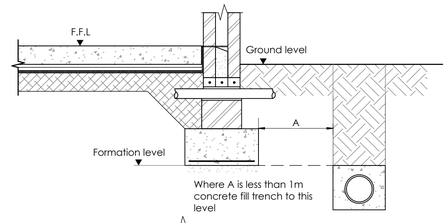
PIPES BEDDED IN GRANULAR MATERIAL COVER > 0.9M IN ROADS COVER > 0.6M IN GARDENS

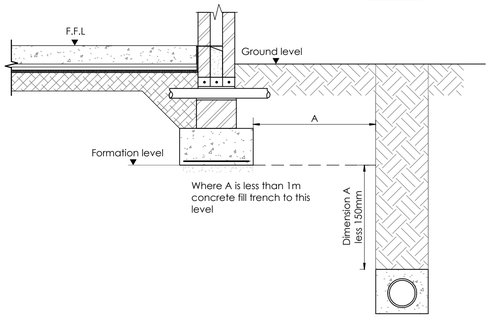


PIPES BEDDED IN GRANULAR MATERIAL COVER < 0.9M IN ROADS COVER < 0.6M IN GARDENS

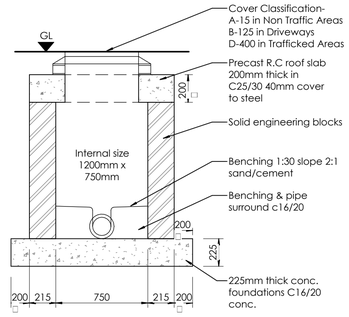


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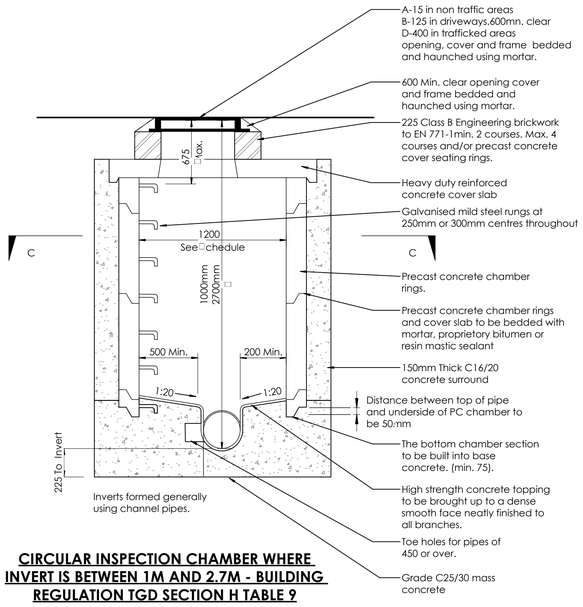




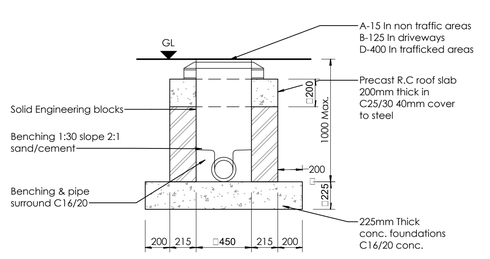
TYPICAL DETAIL WHERE PIPE RUNS NEAR BUILDINGS



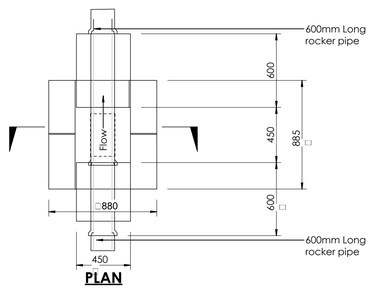
SECTION



CIRCULAR INSPECTION CHAMBER WHERE INVERT IS BETWEEN 1M AND 2.7M - BUILDING REGULATION TGD SECTION H TABLE 9

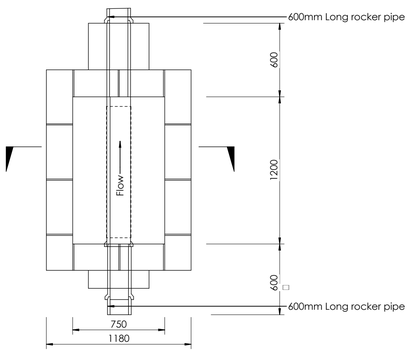


SECTION



PLAN

INSPECTION CHAMBER WHERE INVERT IS 1M OR LESS - BUILDING REGULATIONS TDG SECTION H TABLE 9



PLAN

Minimum dimensions for access fitting and chambers					
Type	Depth to (m)	Internal Sizes		Cover Sizes	
		length x width (mm x mm)	Circular (mm)	length x width (mm x mm)	Circular (mm)
Rodding eye					
Access Fitting					
small	0.6 or less	150 x 100	150	150 x 100	150
large		300 x 100	-	300 x 100	-
Inspection Chamber	0.6 or less	300 x 300	190*	300 x 300	190*
	1.0 or less	450 x 450	450	450 x 450	450**
Manhole	1.5 or less	1200 x 750	1000	600 x 600	600
	over 1.5	1200 x 750	1200	600 x 600	600
	over 2.7	1200 x 840	1200	600 x 600	600
Shaft	over 2.7	900 x 840	900	600 x 600	600

Note:
* For clayware or plastics may be reduced to 430mm in order to provide support for cover and frame
** Drains up to 150mm

TABLE 9 (TGD- SECTION H)

Notes:

1. Do not scale. Use figured dimensions only.

2. This drawing is to be read in conjunction with all other relevant architectural and engineering drawings.

3. Type a granular fill shall consist of washed PEA gravel. All material shall pass a 19mm B.S. Sieve test and shall be retained by a 4.75 B.S sieve test.

4. Selected fill shall be free from stones greater than 25mm in size, Builders rubble vegetable matter and lumps of clay greater than 75mm in size and shall be compacted in 150mm layers.

5. In open spaces backfill shall consist of suitable selected excavated material. Under paved area backfill shall consist of suitable approved granular fill. General backfill shall be compacted in layers not exceeding 300mm thick.

6. Concrete bed and surround shall be used on all pipes where cover to the soffit of the pipe is less than 12m in roads, footpaths and grass margins and 0.9m in open spaces and feilds.

7.All concrete for pipe bedding, haunching and surrounds shall be grade 20N/20.

8. All manholes shall be watertight to the satisfaction of the engineer.

9. Formwork to reinforced concrete and mass concrete shall be Class F2.

10. Class U2 finish to the top of slabs. Reinforcement to slabs to engineers details.

11. 200mm thick CL. 30/20 mass concrete foundations. 225 thick precast R.C. roof slab in CL 30/20 concrete. Cover to steel to be 40mm.

12. Toe holes to be provided in benching of sewers greater than 450mm diameter for access to invert. Safety chain on sewers 600mm. Dia. or greater mild steel safety chain shall be 10mm. Nominal size grade M(H) non calibrated chain, type 1, complying with BS4942 part 2.

13. When depth of manholes to invert is greater than 3.5m, ladders shall be used instead of rungs. Fixed ladders should meet the dimensional requirements of BS4211 except that stringers should not be less than 65 x 20mm in section and rungs 25mm in diameter .

14. Ladder stringers should be adequately supported from the manhole wall at intervals of not more than 3.0m stringers should be bolted to cleats to facilitate renewal.

15. All ladders, rungs, handrails, safety chain, etc. shall be hot dipped galvanised to BS729.

16. All works to be carried out in accordance with the requirements of relevant authority.

17. All works to be carried out in accordance with the requirements of the building regulation 2010 section H "Drainage and Waste Water Disposal" and with local authority requirements.

18. Any alternative details proposed by the contractor shall be submitted to the engineer at least 2 weeks prior to the construction of the drain.

19.Minimum spacing of access points to be in accordance with building regulations technical guidance document section 4 table 10.

20. Details of materials for construction refer to building regulations technical guidance document section 4 table 11.

21. Backfill of all inspection chambers to be 808 backfill in 200mm layers.

22. Installation of plastic pipes and fittings, gullies, A.J's etc to be strictly in accordance with manufacturers instructions.

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REV.	DRAWN	DATE	DETAILS
A	D.O'S.	27.04.'26	Issued for Planning

CLIENT: Dipharma Unlimited Company.

PROJECT: Development at Countess Road, Killarney, Co. Kerry

DRAWING TITLE: Surface Water Drainage Details (Sheet 2 of 2)

SHEET	SCALE	DRAWN	CHECKED	APPROVED	PROJECT NO.	DRAWING NO.	STATUS/ISSUE
A1	1 : 25	D.O'S.	S.O'G.	L.O'T	7334	0028	A