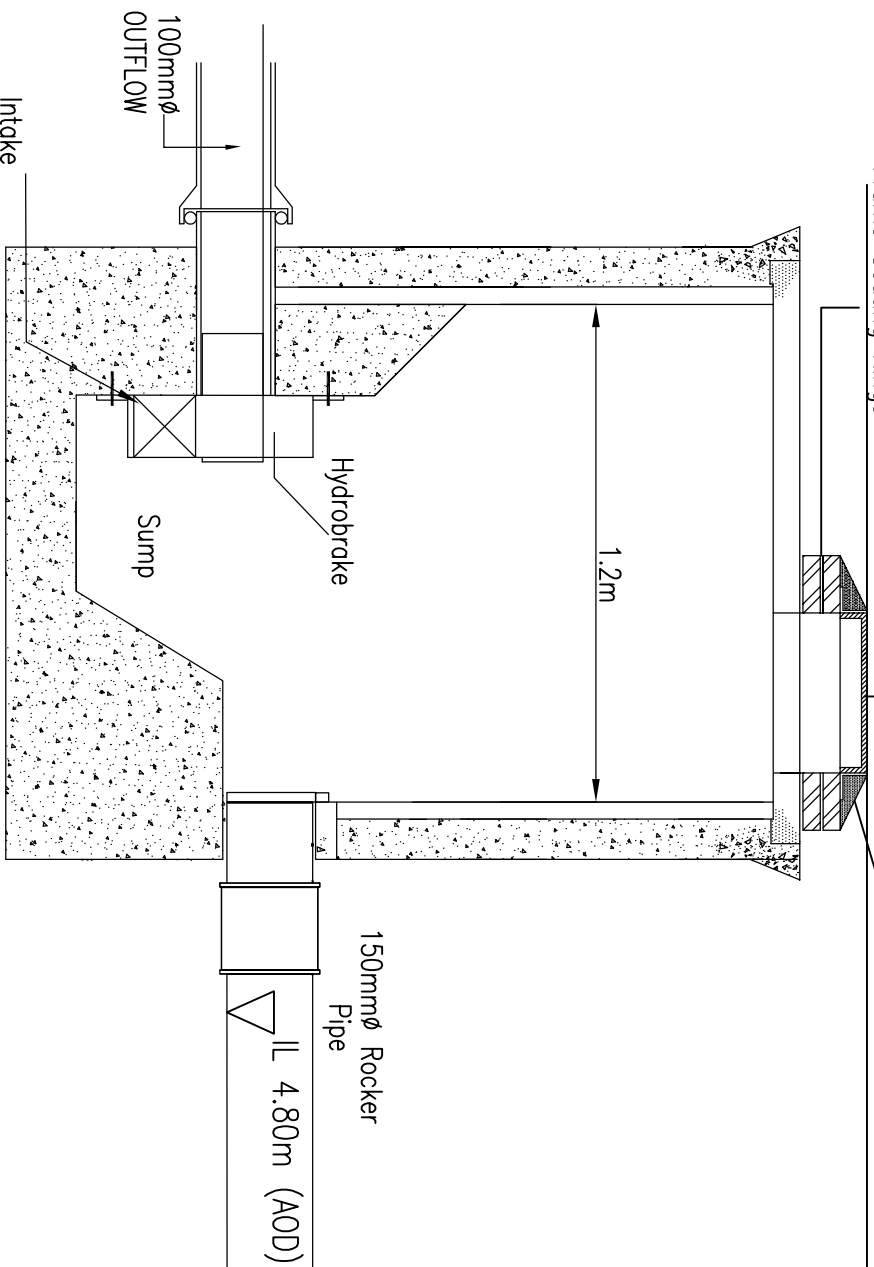


TABLE 1: PROCESSED GRANULAR BEDDING AND SIDEFILL MATERIALS FOR RIGID PIPES

Pipe nominal size (DN)	Nominal particle size (mm) See note (c)	Class of bedding See note (d)	Suitable Materials	
			OR: Materials specified in British Standards See note (e)	EITHER: Maximum CF value for acceptability See note (f)
100	10	S	10mm nominal single-size	0.15
		S		0.20
		F		0.15
Over 100 to 150	16	N	Fine aggregate	0.30
		S		0.15
		F		0.15
Over 150 to 300	20	N	Fine aggregate	0.30
		S		0.15
		F		0.15
Over 300 to 550	20	N	10, 14 or 20mm nominal single-size	0.30
		S		0.20
		F		0.15
Over 550	40	N	All-in aggregate or fine aggregate	0.30
		S		0.15
		F		0.15

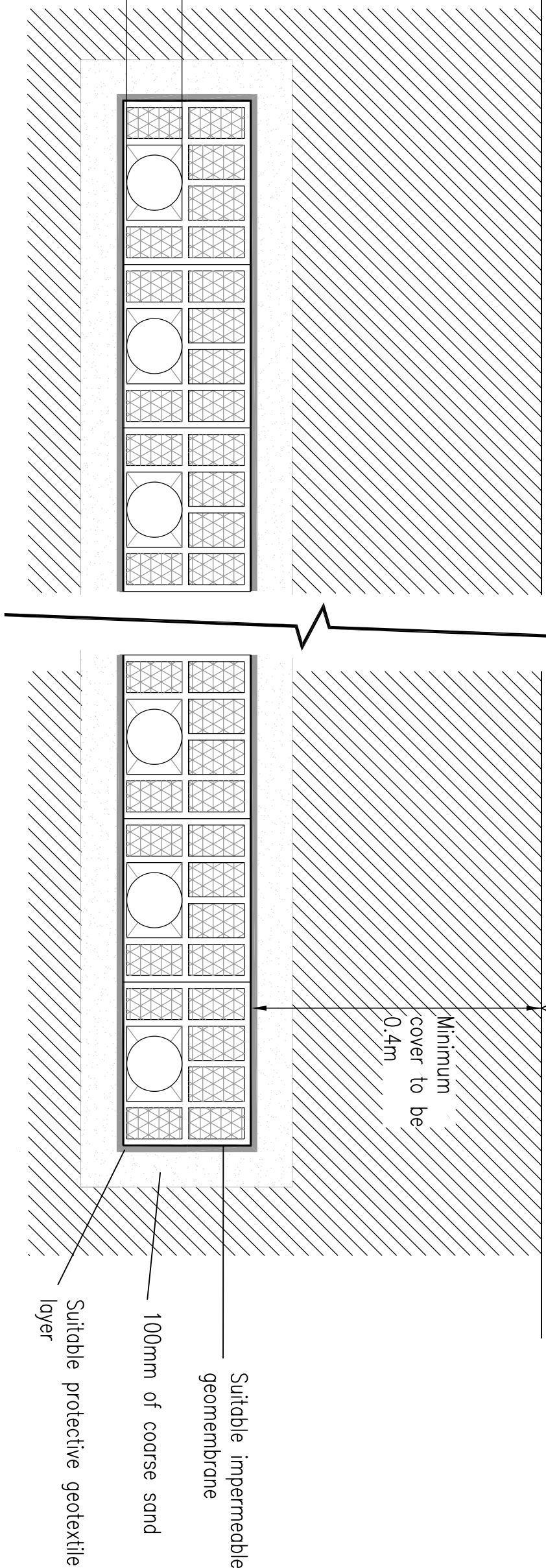
- Notes:
- (a) Processed granular materials to include aggregates to BS EN 1242.
- (b) Composition Fraction value (CF), see Appendix B of WIs (DN No. 4-08-02).
- (c) The nominal maximum particle sizes apply both to processed and as-dig materials (see Section 4 of IDN No. 4-08-01-Issue 4 and No.4-08-01 Amendment [Nov 2008]).
- (d) Bedding classes are defined in:-
BS EN 1295-1:1997 Structural Design of Buried Pipelines under various conditions of loading.
ITRL – Simplified table of External Loads on Buried Pipelines.
- (e) The sulphate content of bedding and sidefill materials for use with cementitious pipe should not be greater than 0.3% as sulphur trioxide.

2 – 4 Courses of Class B Cover and Frame to be bedded on mortar in accordance with manufacturer's instructions



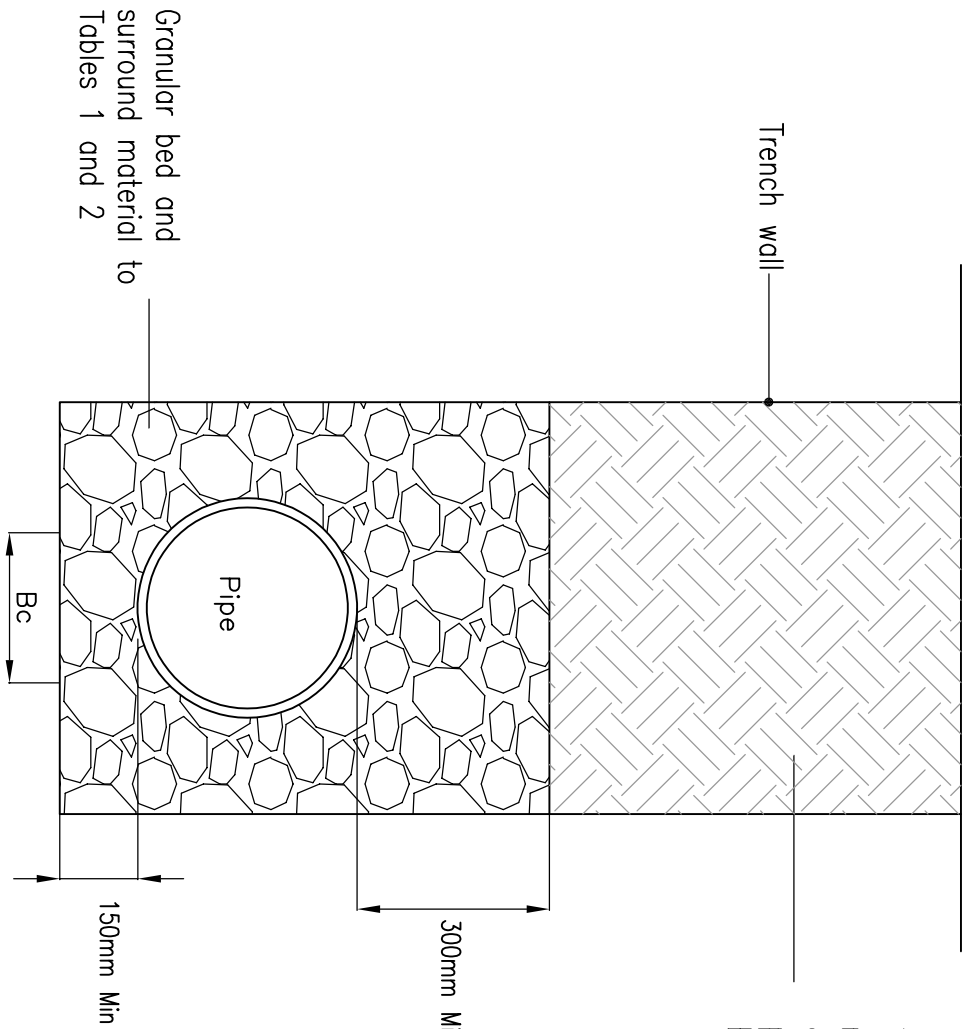
Typical Hydrobrake Manhole
Scale N.T.S.

Ground level (5.65m (A00) min)



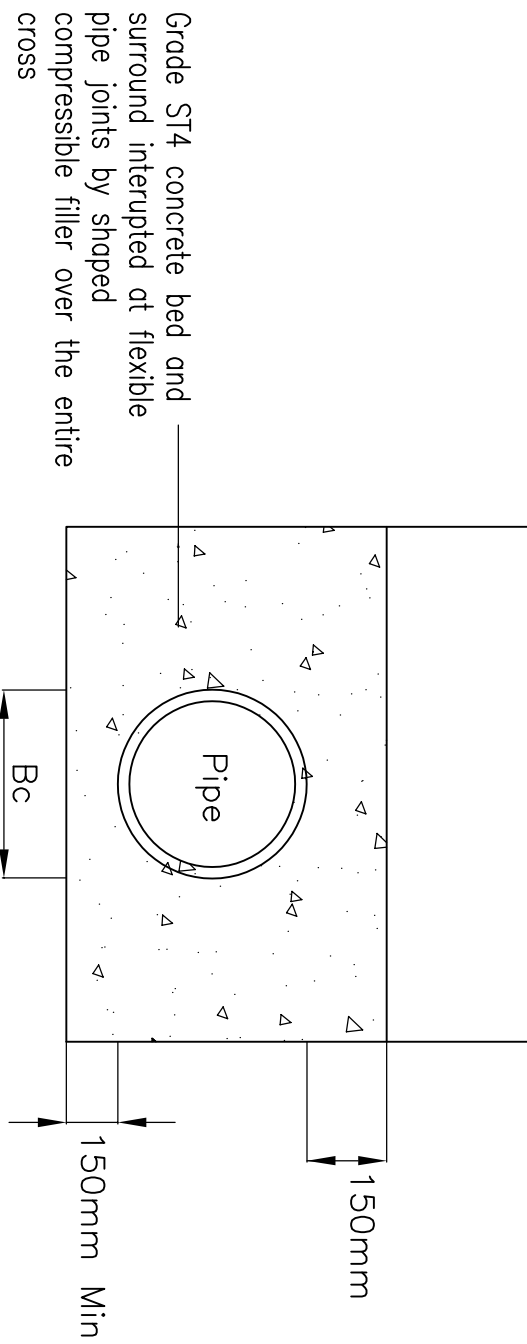
TYPICAL CELLULAR TANK SECTION
(TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS)
SCALE NTS

Trench backfill material compacted in layers not greater than 250mm thick. Heavy compaction equipment not to be used until pipe has minimum cover of 250mm. Backfill under highways to be Type 1 Stone



PIPE BEDDING DETAIL
Not To Scale

Trench wall



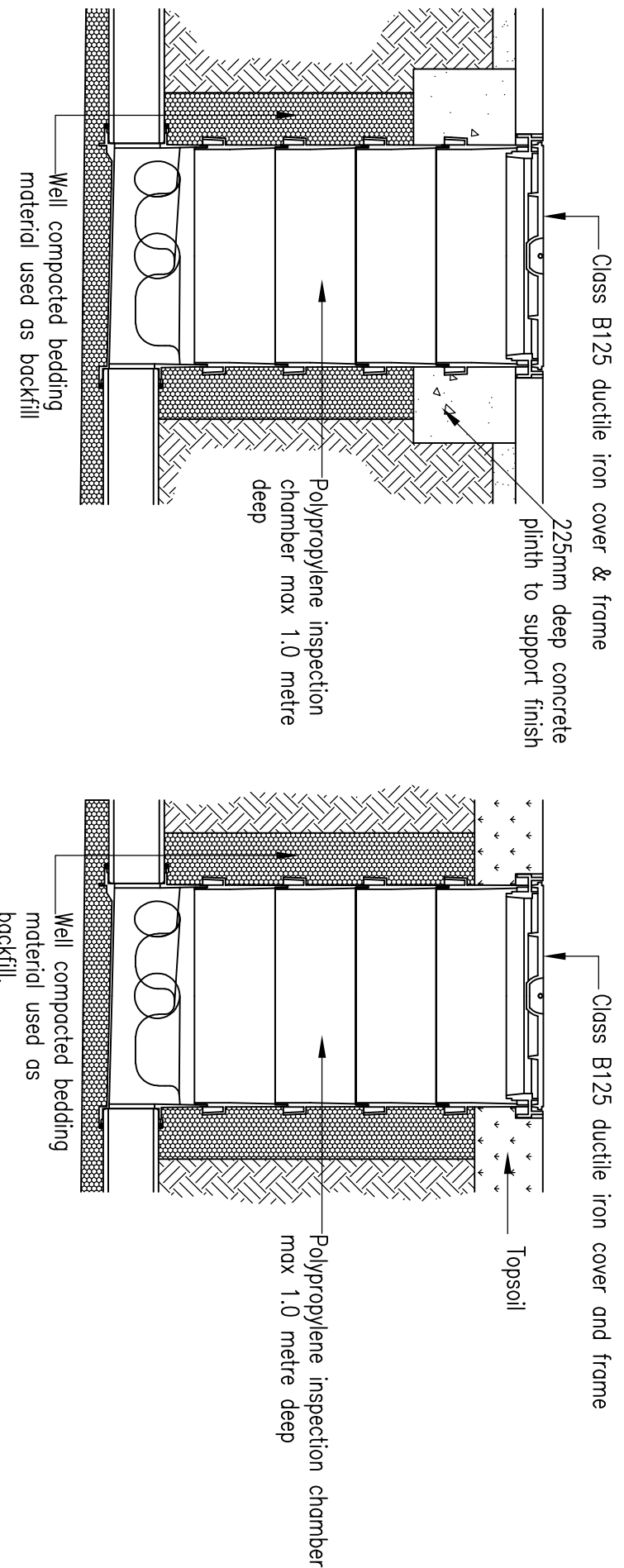
CONCRETE SURROUND
Not To Scale

Bedding and Sidefill Material

Bedding, sidefill and surround materials shall comply with Water Industry Specification No. 4-08-02. Bedding and sidefill material to be selected imported granular material complying with tables 1 and 2 for rigid and flexible pipes respectively.

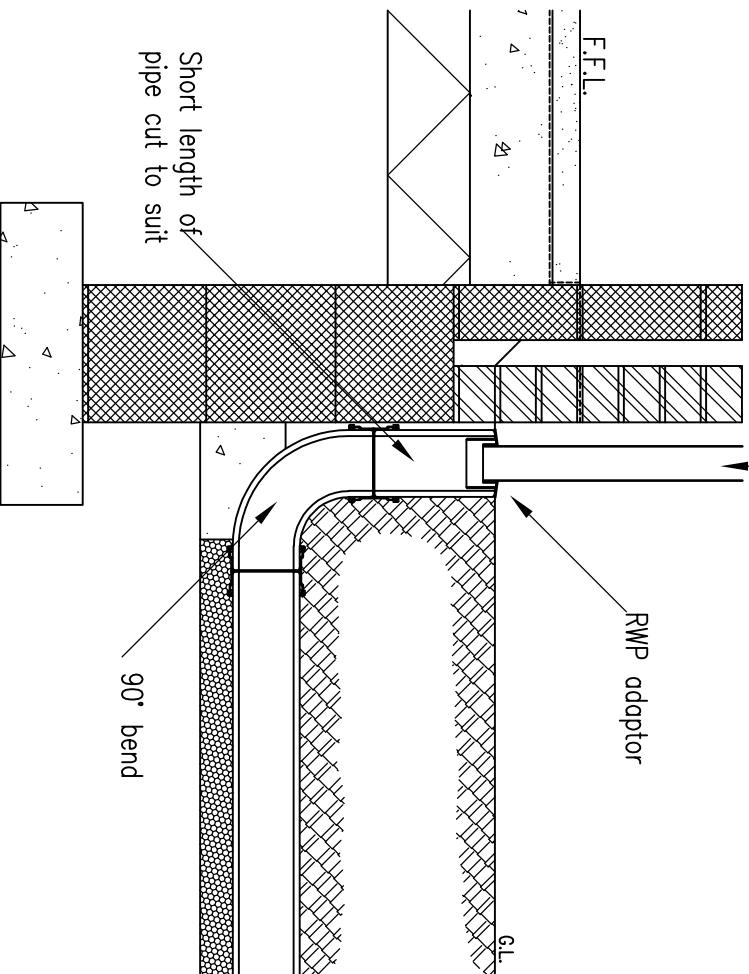
POLYPROPYLENE INSPECTION CHAMBER INSTALLATION DETAIL

N.T.S.



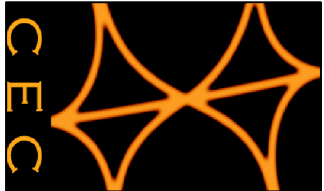
EXTERNAL RAINWATER PIPE CONNECTION DETAIL

N.T.S.



- General Notes**
- Access cover Grades
BSEN 124 : 1994
Class D400 – Carriageway and parking areas
Class B125 – Footways
Class A15 – Areas inaccessible to motor vehicles
All covers to be ductile iron.
Pipes built into manholes shall have a flexible joint as close as feasible to the external face of the structure and the length of the first pipe and rocker pipe shall be as shown.
 -
 - All pipes entering the bottom of the manhole to have the same sffit level unless otherwise shown on plan.

Nominal diameter(mm)	Rocker Pipe length(m).
150 – 600	0.80
675 – 750	1.00
825 & Over	1.25



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Store Property Investments Limited

Proposed Drive-Thru
Worthing Road
Rustington

Drainage Construction Details

Drawing Status			
FOR COMMENT / FOR PLANNING	FOR TENDER	FOR APPROVAL	FOR CONSTRUCTION / AS BUILT
RT	RT	RT	AD

June 2017 As Shown @ A1

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