

Isaac Regional Council (IRC)

A ORIGINAL ISSUE

01/2010

PRAGE IN SQUARE METRES 1 (NOM. 130m – HEAD)								
	11 1/4º HORIZ. BENDS				TEES & DEAD ENDS			
	50 kPa SOFT CLAY	100 kPg FIRM CLAY SANDY LOAM	150 kPg SAND & GRAVEL HARD CLAY	200 kPg SAND & GRAVEL CEMENTED WITH CLAY	50 kPa SOFT CLAY	100 kPg EIRM CLAY SANDY LOAM	150 kPg SAND & GRAVEL HARD CLAY	200 kPg SAND & GRAVEL CEMENTED WITH CLAY
	Ν	Ν	Ν	Ν	0.31	0.16	0.11	Ν
	0.13	Ν	Ν	Ν	0.65	0.33	0.22	0.16
	0.21	0.10	Ν	Ν	1.09	0.55	0.36	0.27
	0.34	0.17	0.11	Ν	1.66	0.83	0.55	0.42
	0.47	0.23	0.16	0.12	2.44	1.22	0.81	0.61
	0.73	0.36	0.24	0.18	3.72	1.86	1.24	0.93
	1.04	0.52	0.35	0.26	5.25	2.63	1.75	1.31
'N' Dependence in the set of the NUL C								

'N' Denotes nominal thrust area (Refer Note 5)

1. All fittings shall be provided with thrust blocks formed against solid ground to transfer

2. Concrete N25 in accordance with AS 1379 Supp 1-1997/Amdt 1-2000 and AS

3. Nominal thrust area 'N' shall be effected by Class N25 concrete over full length of fitting, and extending in depth from the bottom of the trench to 65mm above the top of the fitting. 4. Minimum area of blocks for reducers shall be equal to the difference in corresponding

5. Tabulated "minimum thrust area for anchorage" apply for test pressure of 1300 kPa. Areas shall be adjusted pro rata for other specified test pressures except that nominal thrust areas 'N' shall have to be re-calculated for test pressures over 1300 kPa.

7. For vertical thrust acting downwards, the safe bearing loads of the various soils may be

9. When placing the concrete on a uPVC pipe, care shall be taken to avoid encasing the

10. Where uPVC rubber ring jointed pipes are used, the normal practice of anchoring of

shall surround the pipe and fitting to permit pipe movement in the

12. Unless otherwise specified, concrete anchorages are required for all valves

WATER MAIN THRUST BLOCK DETAILS

ROADS STANDARD

DRAWING

CMDG-W-041