

SECTION A-A
SHALLOW MANHOLE - 915mm OR 1070mm dia.

SECTION B-B
SHALLOW MANHOLE - 915mm OR 1070mm dia.

P.C. CONC RING DETAILS	
M.H. DIA. (mm)	WALL THICKNESS (mm)
800	87
1050	87
1200	87
1350	87

MANHOLE I.D. (mm)		
PIPE sz. (mm)	STRAIGHT SEWER	ON BENDS
150	150	150
200	200	200
250	250	250
300	300	300
350	350	350
400	400	400
450	450	450
500	500	500
550	550	550
600	600	600
650	650	650
700	700	700
750	750	750
800	800	800
850	850	850
900	900	900
950	950	950
1000	1000	1000

CHANNEL ARRANGEMENT IN MANHOLE FLOOR

RODDING WAY IN OPEN GROUND PLAN

RODDING WAY WITH COVER

A-A
SEWER BRANCH JUNCTION AND SURFACE MARKER

WHEREVER POSSIBLE.
TYPICAL MANHOLE DETAILS

RODDING EYE IN PAVEMENT

PLAN

SECTION C-C

COVER (metres)	OPEN GROUND (trench width)		UNDER ROADS
	600mm	750mm	
< 0.6m	A	A	ALL WIDTHS ALL DEPTHS TYPE E CONCRETE GRADE 10 BED AND DRAINAGE
0.6 – 1.5	C	C	
1.5 – 2.0	C	B	
2.0 – 2.5	C	A	
2.5 – 3.5	B	A	
3.5 – 5.5	B	A	
> 5.5	A	A	

PLAN

INSPECTION CHAMBER

CLASS B
BEDDING FACTOR 1.9

CLASS D

ROAD CROSSING BEDDING DETAIL

ON GRADE CONNECTION

WHERE DROP IS LESS THAN 1500mm

RAMP TYPE A

No. 14 Fereday Drive Eastlea, HARARE P O Box 187 Union Avenue HARARE Zimbabwe				Tel: +263-4-747122/25578891 Fax: +263-4-747824 Cell: 0772 456983 / 0774 164142 admin@cgmenrigneers.co.zw	Drawing No. 1601 C104-2		Revision —		Micro-Film Drg. No.		Amendment Ltr. Date Init.		Description		Client:   Access to Affordable Quality Medicines		MINISTRY OF LOCAL GOVERNMENT, PUBLIC WORKS AND NATIONAL HOUSING, MAKOMBE BUILDINGS, PRIVATE BAG 7706, CAUSEWAY, HARARE				Engineer CGM		Branch Head Mr. Njome		Department Health and Child Care		Centre Harare		Designed CGM		Scale 1:500 on A1		Drawn CGM		Date February 2016		Checked File Ref.		Description Proposed NatPharm Distribution Centre on Stand 3163, Southerton, Lobengula Road		Description Sewerage Reticulation Details		Telephone 704561		Stock Dwg. No.		G.P. No.		Proj. No.		Amidt Ltr. —	
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