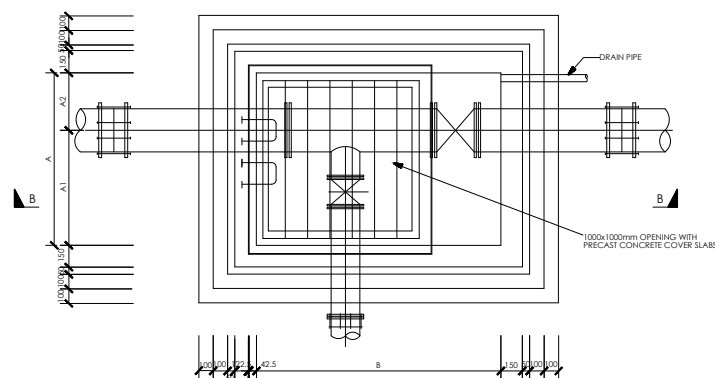


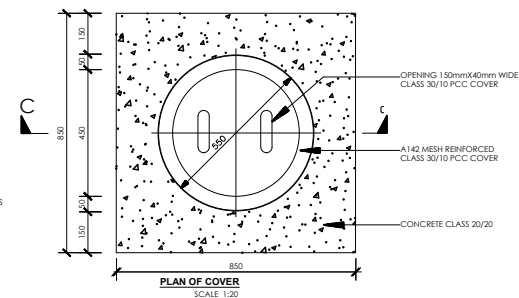
PLAN OF CHAMBER
SCALE 1:40

VALVE CHAMBER DETAILS AT JUNCTIONS



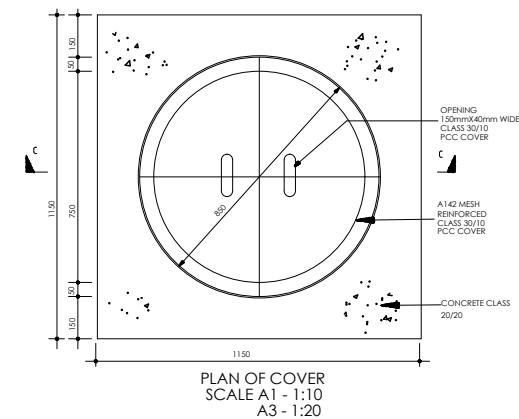
PLAN OF CHAMBER
SCALE 1:40

VALVE BOX DETAIL FOR WASHOUT/VALVE

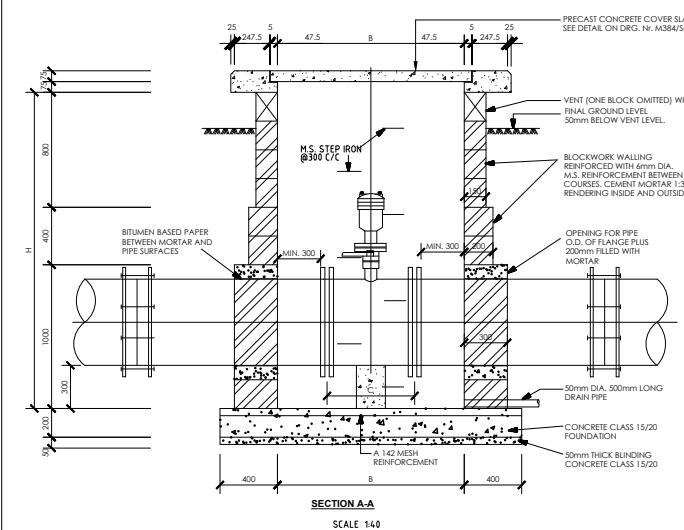


SECTION C-C
SCALE 1:20
A3 - 1:20

VALVE BOX DETAIL FOR FIRE HYDRANT



PLAN OF COVER
SCALE A1 - 1:10
A3 - 1:20



SECTION A-A
SCALE 1:40

SECTION B-B
SCALE 1:40

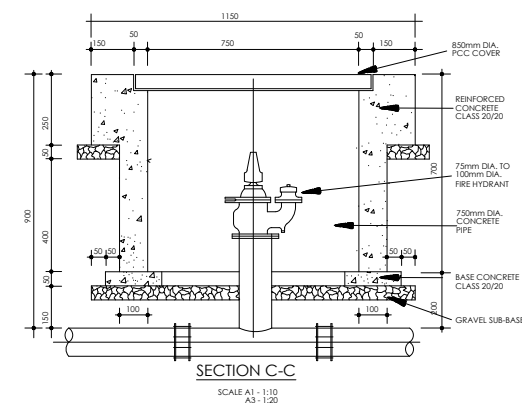
CONSTRUCTION DETAILS FOR VALVE CHAMBERS

MAINS DIAMETER (mm)	PLAN SIZE OF CHAMBER (INTERNAL DIMENSIONS) A(mm) x B(mm)
100	1200 x 1200
150	1200 x 1200
200	1400 x 1200
250	1500 x 1200
300	1500 x 1200
350	1800 x 1200
400	1800 x 1200
450	1400 x 1400
500	1400 x 1200

CHAMBER SIZE SCHEDULE FOR VARIOUS PIPE SIZES

INVERT DEPTHS (mm)	HEIGHT OF WALL (mm)	WALL WIDTH (mm)
0 - 800	800	150 - MASONRY WALL
800 - 1200	400	200 - MASONRY WALL
1200 - 2400	1200	300 - MASONRY WALL
2400 - 3000	600	350 - MASONRY WALL
DEPTH MORE THAN 3000	-	300mm REINFORCED CONCRETE (CLASS 25/20) WALL

CHAMBER DEPTHS & WALL THICKNESS SCHDULE



SECTION C-C
SCALE A1 - 1:10
A3 - 1:20

NOTES

- DIMENSIONS ARE SHOWN IN MILLIMETRES
UNLESS OTHERWISE STATED

ABBREVIATIONS

- P.C.C. - PRECAST CONCRETE
mm- MILLIMETRES
O.D.- OUTSIDE DIAMETER
M.S.- MILD STEEL
DIA. - DIAMETER
NO. - NUMBER
R.C. - REINFORCED CONCRETE
c/c - CENTRE TO CENTRE

KAKAMEGA COUNTY WATER
AND SANITATION COMPANY
P.O. BOX 1189 - 50100
KAKAMEGA



TYPICAL VALVE CHAMBER

DRAWN	J.O	MAY 2021	SCALE: AS SHOWN
DIGITIZED	J.O	MAY 2021	DRG. NO. 1 of 1
CHECKED	Eng C.S	MAY 2021	KACWASCO
APPROVED	Eng A.M.A	MAY 2021	