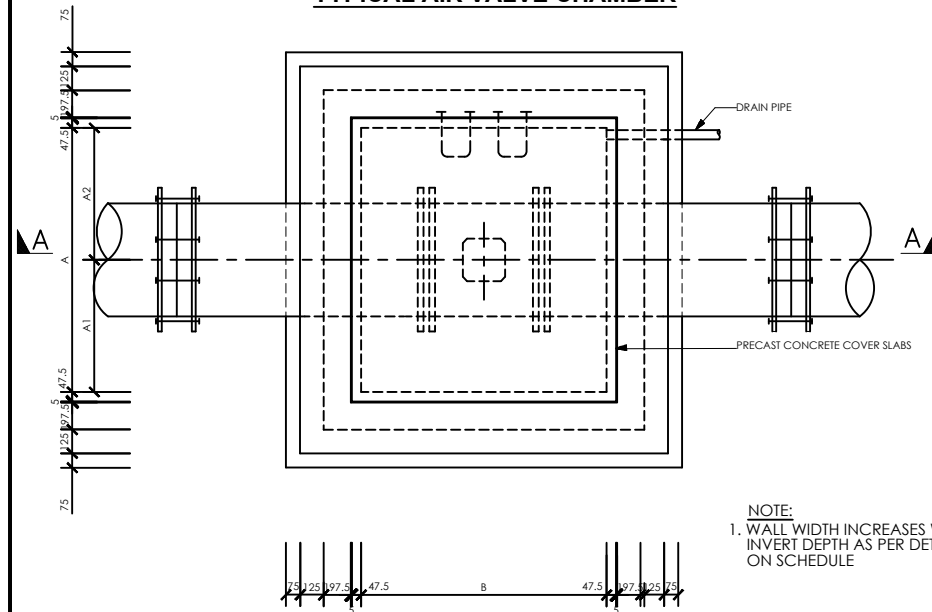
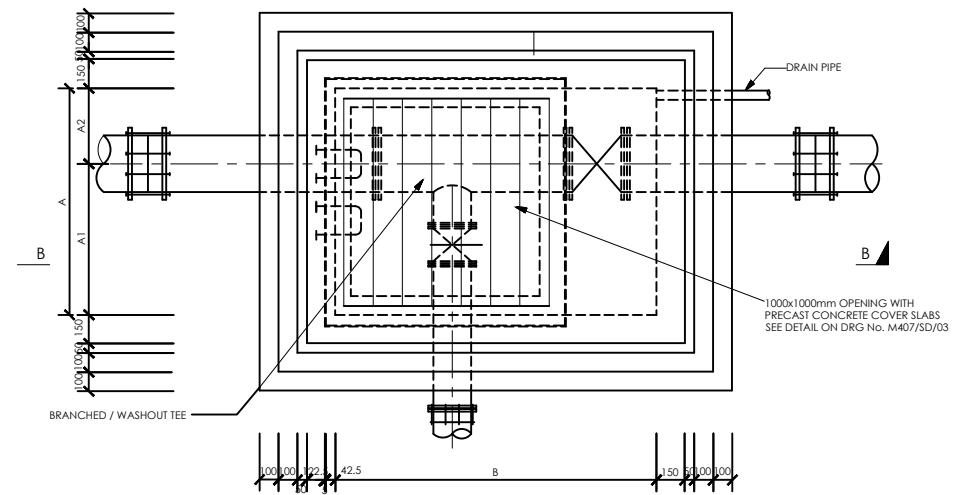


TYPICAL AIR VALVE CHAMBER



NOTE:
1. WALL WIDTH INCREASES WITH INVERT DEPTH AS PER DETAIL ON SCHEDULE

TYPICAL VALVE CHAMBER DETAILS AT JUNCTIONS / WASHOUT VALVE (DEPTH > 1.0m)



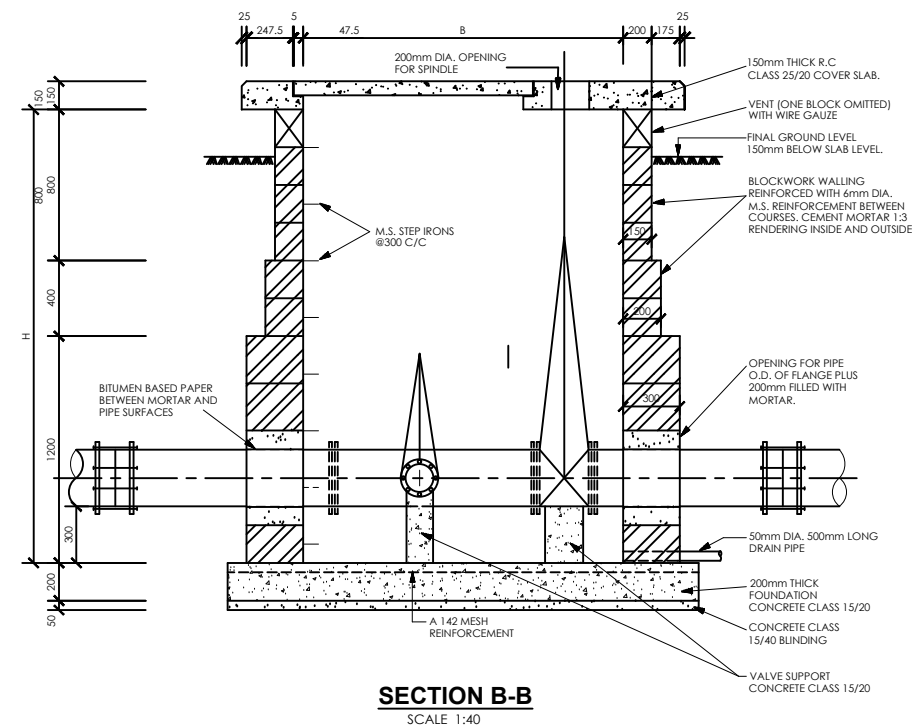
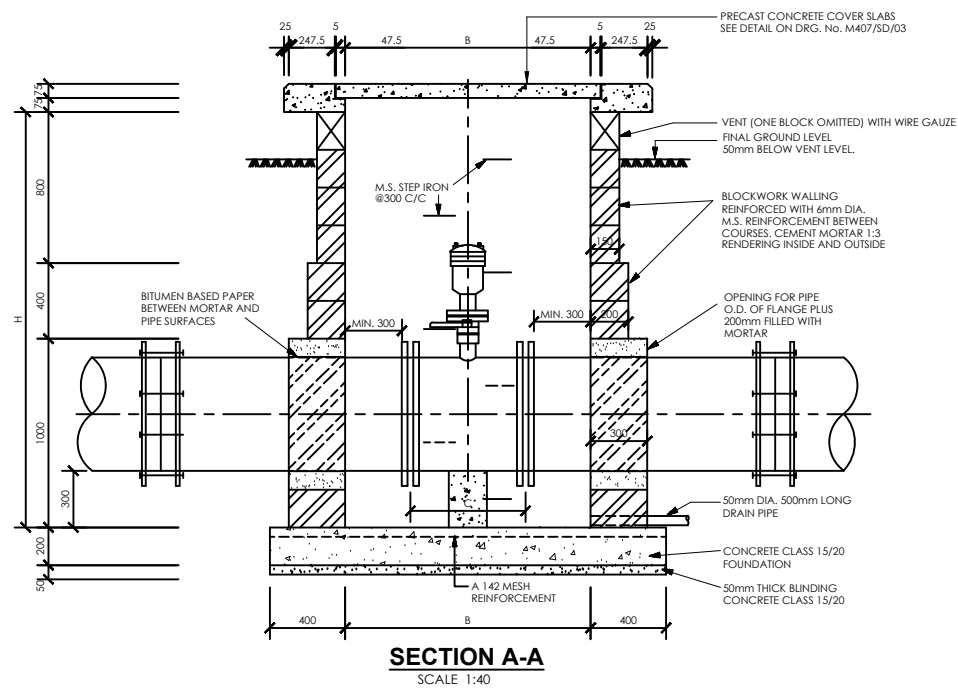
NOTE:
1. WALL WIDTH INCREASES WITH INVERT DEPTH AS PER DETAIL ON SCHEDULE

NOTES

1. 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



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	1800 x 1400
500	1800 x 1400

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 SCHEDULE

SECTION C-C
SCALE 1:20

CLIENT: **THE CHIEF EXECUTIVE OFFICER
TANA WATER WORKS
DEVELOPMENT AGENCY**
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PROJECT TITLE:
**REHABILITATION OF ENA SIAKAGO &
ISHIARA WATER SCHEME**

DRAWING TITLE:
**ENA SIAKAGO & ISHIARA PROJECTS
DETAILS OF VALVE CHAMBERS**

Designed by: D.N.W Drawn by: M.M.N
Checked by: J.M.M Approved by: D.N.M
Scale: AS SHOWN Date: SEPTEMBER 2022
DRG No. **ESI/IWS/DL-1**