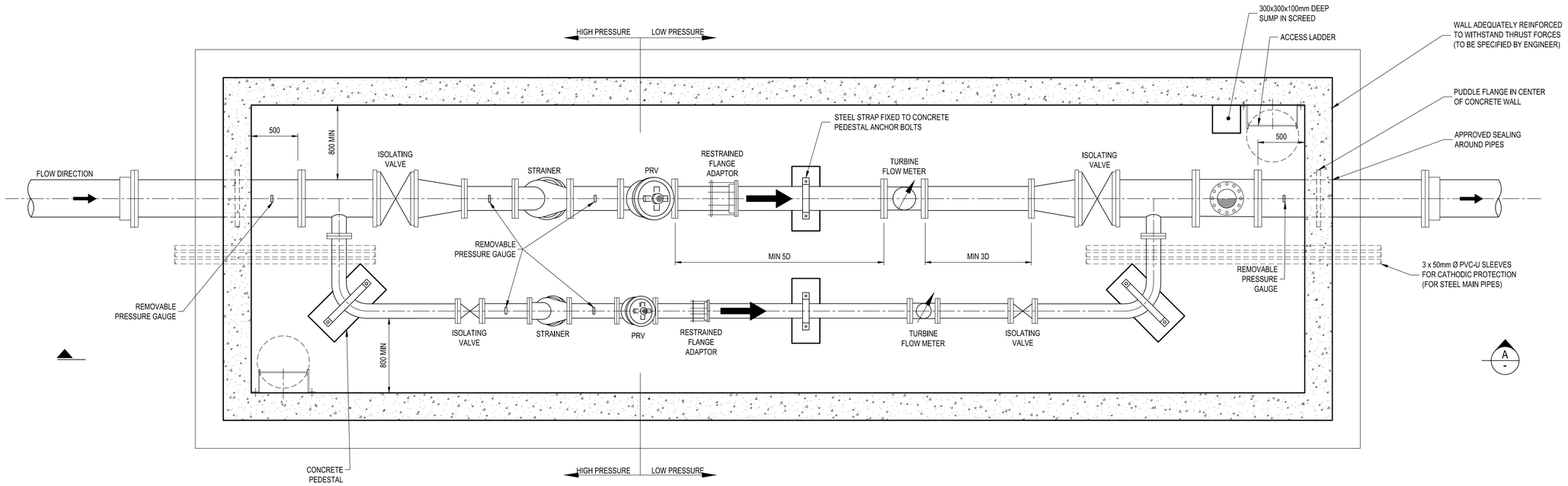
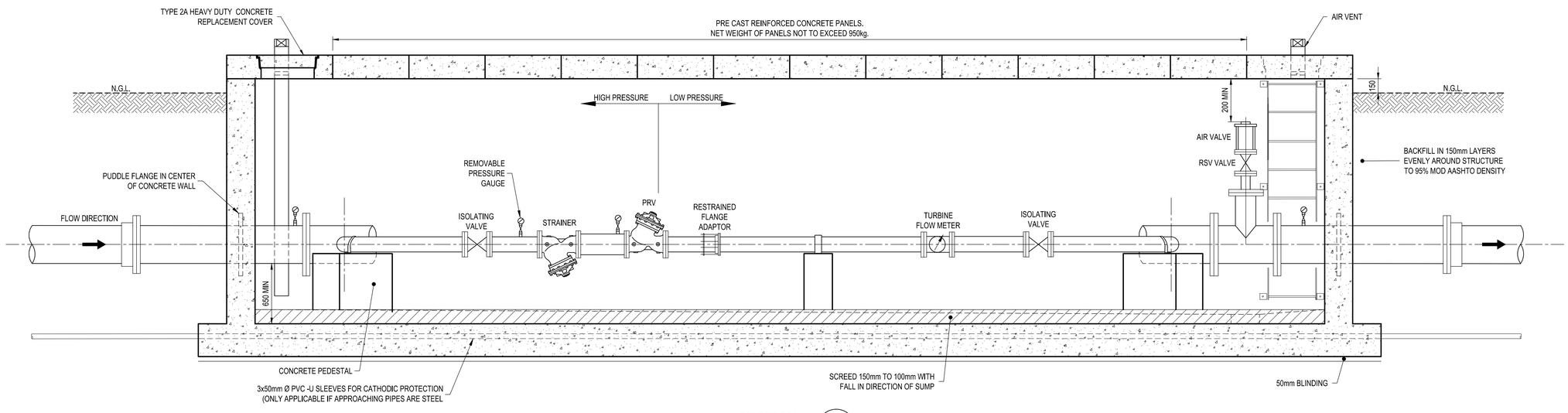


PLAN WITHOUT ROOF PANELS

SCALE 1:25



SECTION A-A

SCALE 1:25

NOTES AND SPECIFICATIONS

GENERAL

1. MINIMUM REQUIREMENTS ARE INDICATED ON THE DRAWING. THE CONSULTANT / DESIGNER IS RESPONSIBLE AND LIABLE FOR FURTHER DETAILS AND TO ENSURE EFFECTIVE OPERATION AND MAINTENANCE OF THE INSTALLATION.
2. THE SIGNATURE OR INITIALS ON THIS DRAWING OF COE OFFICIAL DOES NOT REMOVE ANY RESPONSIBILITY WHATSOEVER FROM THE CONSULTANT / DESIGNER.
3. THE CONSULTANT / DESIGNER REMAINS RESPONSIBLE TO ENSURE THAT ALL THE GUIDELINES, STANDARD DRAWINGS, STANDARDS AND SPECIFICATIONS OF THE WATER AND SANITATION DEPARTMENT HAVE BEEN MET AND ARE COMPLIED WITH IN THE DESIGN.
4. ALL MATERIAL AND WORKMANSHIP MUST COMPLY WITH THE REQUIREMENTS OF THE LATEST RELEVANT SANS STANDARD.
5. FINAL POSITION OF SERVICES TO BE DETERMINED ON SITE.
6. ALL DIMENSIONS TO BE CHECKED AND APPROVED ON SITE.
7. ALL DIMENSIONS ARE IN mm (UNLESS OTHERWISE SPECIFIED).
8. DO NOT SCALE FROM THESE DRAWINGS.
9. CLASS OF CONCRETE UNLESS OTHERWISE SPECIFIED ON DRAWING DETAILS:

REINFORCED	CLASS 30/19
THRUST BLOCKS	CLASS 20/19
BLINDING	CLASS 15/19
FLOOR SCREED	SAND : CEMENT = 3 : 1

10. PRE-CAST CONCRETE RINGS AND COVER SLABS TO COMPLY WITH SANS 1294.
11. JOINTS BETWEEN CONCRETE RINGS AND BETWEEN COVER SLABS AND BETWEEN RINGS AND FLOORS TO BE SEALED WITH BITUMEN SEALANT (APPROVED BY THE DESIGNER).
12. ALL JOINTS BETWEEN THE PIPE AND THE CHAMBER WALL AND BETWEEN BRICK WALL AND CONCRETE FLOOR TO BE SEALED TO PREVENT WATER LEAKING INTO THE CHAMBER. METHOD OF SEALING TO BE SUBMITTED TO THE DESIGNER FOR APPROVAL.
13. FLANGE DRILLING TO BE IN ACCORDANCE WITH SANS 1123. DESIGNER TO SPECIFY FLANGE TABLE.
14. ALL BOLTS, WASHERS AND NUTS TO BE HOT DIPPED GALVANISED IN ACCORDANCE WITH SANS 763.
15. ALL STEEL PIPE ITEMS TO BE GRIT BLASTED TO SA 3 OF ISO 8501-1 AND PAINTED WITH EPOXY COMPLYING WITH SANS 1217 WITH A MINIMUM DRY FILM THICKNESS OF 500 MICRON (LINING AND COATING). UNDERGROUND STEEL PIPE ITEMS TO BE WRAPPED WITH PETROLATUM TAPE (APPROVED BY DESIGNER) OVER THE EPOXY COATING.
16. CONCRETE SUPPORTS ARE REQUIRED UNDERNEATH VALVES AND PIPE WORK WHERE INDICATED BY THE DESIGNER.
17. DESIGNER TO SPECIFY STEP IRONS OR LADDER INSIDE CHAMBER. STEP IRONS TO BE SALBERG AND BUILT-IN.
18. THERE MUST BE NO CONTACT BETWEEN STEEL PIPE ITEMS AND CONCRETE OR BRICK REINFORCEMENT.

PARTICULAR:

1. THIS DRAWING SHOWS THE TYPICAL LAYOUT OF THE PIPING AND FITTINGS REQUIRED FOR A PRV CHAMBER.
2. EACH INDIVIDUAL CHAMBER SHALL BE PROPERLY DESIGNED BY A COMPETENT PERSON.
3. ALL VALVE TYPES AND FITTINGS MUST BE APPROVED BY THE CONSULTANT / DESIGNER.
4. T-PIECE MAY REQUIRE REINFORCEMENT USING WRAPPER PLATES TO INCREASE WALL THICKNESS OR CROTCH PLATES TO COMPENSATE FOR METAL LOSS. THE DESIGN OF THE FITTING SHALL BE DONE IN ACCORDANCE WITH AWWA M11.

City of Ekurhuleni
WATER AND SANITATION DEPARTMENT

AMENDMENTS

NR	DATE	APPROVED	DESCRIPTION

WATER AND SANITATION

APPROVED ON BEHALF OF:

OPERATIONS DIVISION
NAME:..... PROF REG No:.....
SIGNATURE:..... DATE:.....

PROJECTS DIVISION
NAME:..... PROF REG No:.....
SIGNATURE:..... DATE:.....

PLANNING DIVISION
NAME:..... PROF REG No:.....
SIGNATURE:..... DATE:.....

CONSULTANT DETAILS TO BE PLACED HERE

DESIGNED
NAME:.....
SIGNATURE:..... DATE:.....

DRAWN
NAME:.....
SIGNATURE:..... DATE:.....

APPROVED
NAME:..... PROF REG No:.....
SIGNATURE:..... DATE:.....

CONSULTANT DRAWING NUMBER

REVISION

CONTRACT No.

PROJECT No.

SHEET No.

PAPER SIZE
A1

SCALE

PROJECT TITLE
STANDARD GUIDELINE DRAWINGS

DRAWING TITLE
STANDARD DRAWING: BULK WATER PRESSURE REDUCING VALVE (PRV) AND FLOW METER INSTALLATION

CoE DRAWING NUMBER
STD-BW-005

REVISION