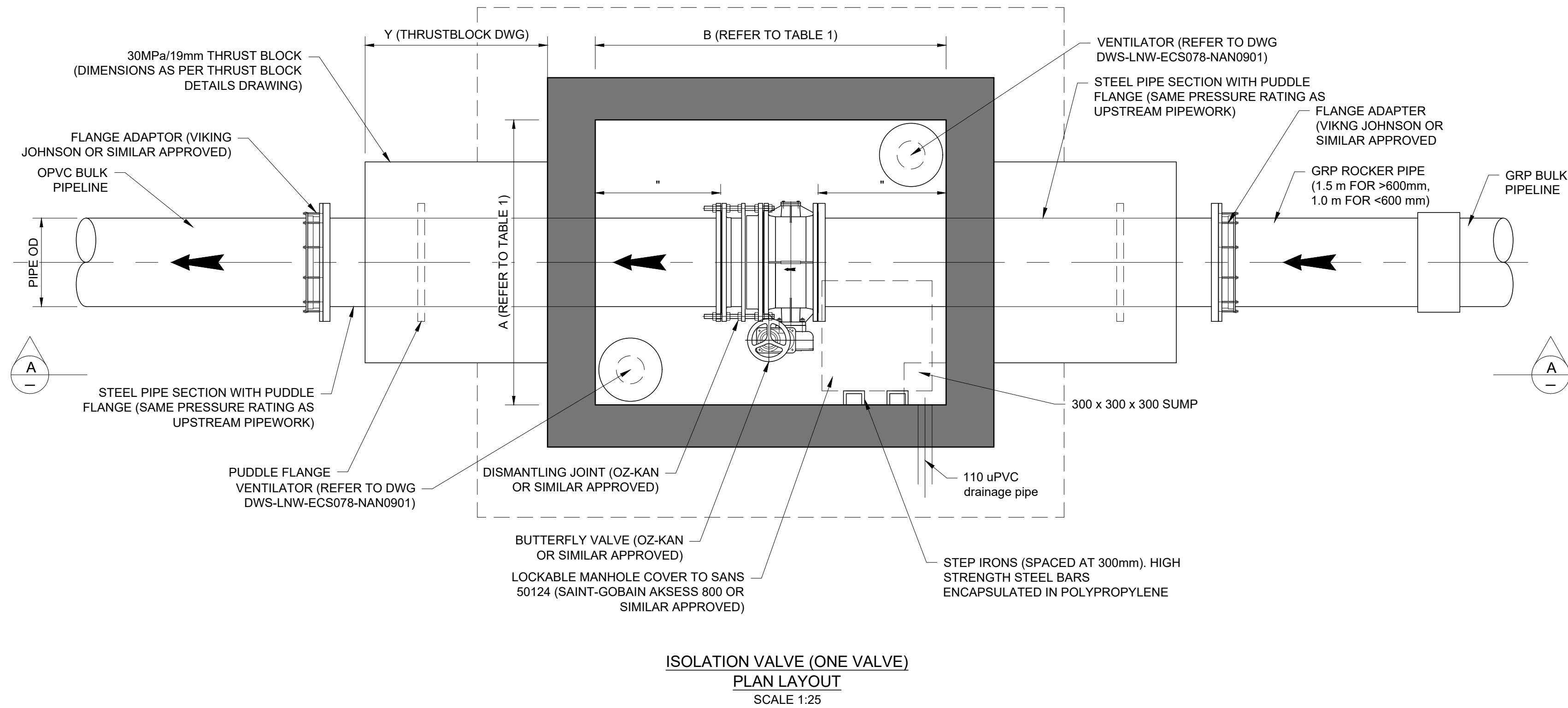


TABLE 1
CHAMBER SIZES

NO	LARGEST PIPE DIAMETER	MEASUREMENT A	MEASUREMENT B
1	UP TO 200mm	1400mm	1800mm
2	>200mm UP TO 400mm	1800mm	2200mm
3	>400mm UP TO 650mm	2200mm	2500mm



NOTES:

- CONCRETE
 - CONCRETE CLASS:
 - FLOOR, WALLS AND COVER SLABS: 30MPa/19mm
 - BLINDING: 15MPa/19mm
 - THRUST BLOCKS: 30MPa/19mm
 - 20x20mm CHAMFER ON ALL EXPOSED CORNERS
- SPECIALS
 - MANUFACTURING OF STEEL PIPES TO BE IN ACCORDANCE WITH PARTICULAR SPECIFICATION M-PSP.
 - STEEL PIPE LENGTHS AND POSITION OF PUDDLE FLANGE TO BE CALCULATED FOR EACH CHAMBER BASED ON THE MINIMUM REQUIRED SPACING (AS INDICATED) AS WELL AS THE MEASUREMENT OF THE SPECIALS (VALVES ETC.)
 - FLANGE DRILLING SHALL BE TO SANS 1123/2001. THE APPLICABLE TABLE SHALL BE CORRESPONDENT TO THE PIPE CLASS
 - STEEL PIPE SECTIONS, BUTTERFLY VALVES, DISMANTLING JOINTS AND FLANGE ADAPTORS TO BE THE SAME PRESSURE CLASS AS THE IMMEDIATE UPSTREAM PIPEWORK
 - ALL BOLTS, NUTS AND WASHERS TO BE 300 WA MILD STEEL, HOT DIPPED GALVANISED TO 90 MICRON EQUIVALENT THICKNESS
 - BUTTERFLY VALVES TO BE CLOCKWISE CLOSING
 - VALVES TO BE FUSION BONDED EPOXY POWDER COATED, 200 MICRON
 - ALL SPECIALS OUTSIDE CHAMBERS TO BE WRAPPED IN DENSOTAPE (OR SIMILAR APPROVED)
 - LINING AND COATING OF PIPE SPECIALS TO BE AS SPECIFIED ON DRAWING DWS-LNW-ECS078-03-0902 AND PARTICULAR SPECIFICATION C-PLI.
- BRICKWORK
 - ALL BRICKWORK SHALL HAVE A COMPRESSIVE STRENGTH OF 14MPa (MPX ENGINEERING BRICKS)
 - CLASS II MORTAR TO BE USED (1 CEMENT CEM 1 : 5 SAND)
 - BRICKFORCE EVERY 3RD LAYER
 - ISOLATION JOINT BETWEEN PIPE AND WALL TO KEEP PIPE LOOSE FROM WALL. USE 2 LAYERS, 3 PLY MALTOID OR SIMILAR APPROVED
 - PLASTER AND PAINT EXTERIOR OF WALLS WITH 2 COATS ABE FLINCOTE 3 OR SIMILAR WATERPROOFING COMPOUND. PLASTER ON WALLS TO CONSIST OF 1 PART CEMENT AND 4.5 PARTS SAND
- MATERIAL OF BULK PIPELINE
 - THE DRAWING REPRESENTS THE CONNECTION TO THE BULK PIPELINE. THE DRAWING INDICATES THE CONNECTION TO OPVC ON THE ONE SIDE AND THE CONNECTION TO GRP ON THE OTHER.

CONSULTING ENGINEERS

ISIPHETHU ENGINEERING
26 Dimitri Crescent
Stone Park West
Platinum Park
Bendor
Polokwane



DESIGNED

GV

DRAWN

NH

CHECKED

GV

APPROVED BY:

DATE:



MOPANI DISTRICT MUNICIPALITY WATER & SANITATION REVITALISATION PROGRAMME

PIPELINE A
ISOLATION VALVE DETAIL (1 VALVE)

No

REVISION

DATE

DRAWING No.

0

ISSUE FOR CONSTRUCTION

31/08/2015

1

VARIOUS CHANGES

14/10/2020

DWS-LNW-ECS078-03-509

REV 1