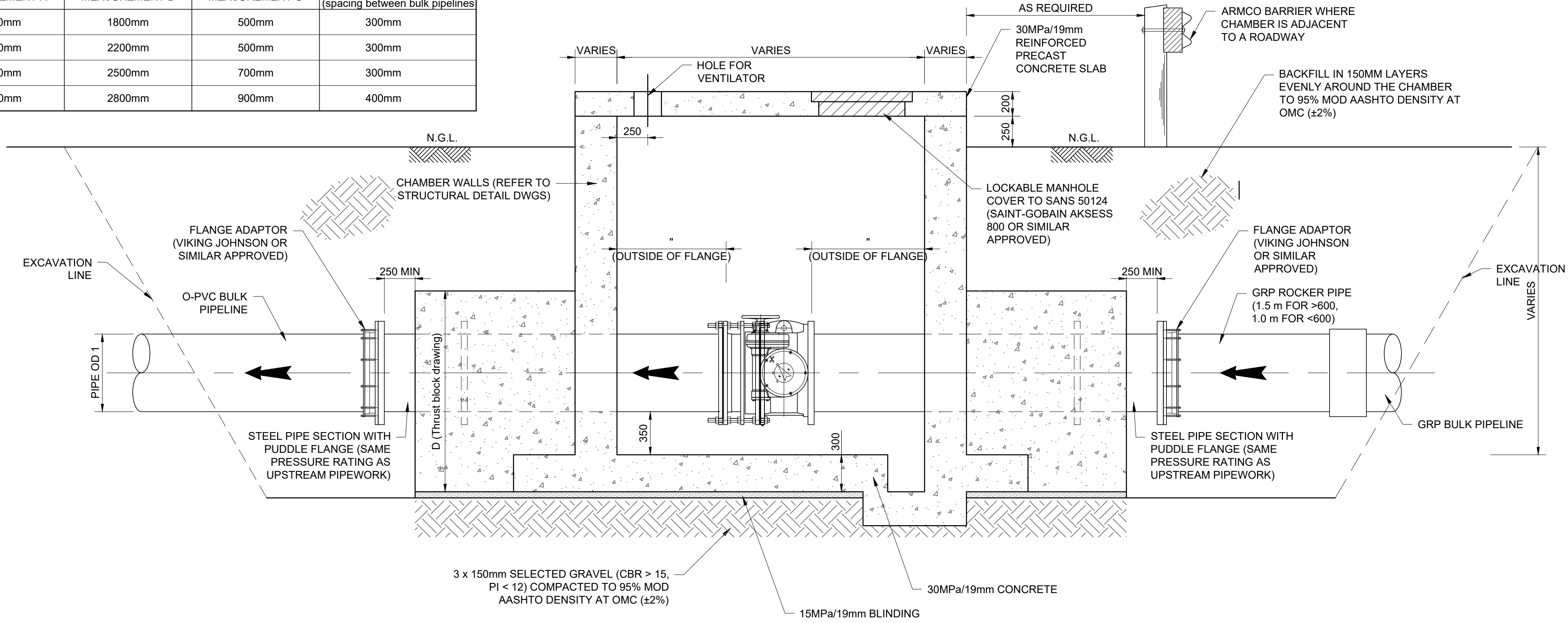




TABLE 1 CHAMBER SIZES					
NO	LARGEST PIPE DIAMETER	MEASUREMENT A	MEASUREMENT B	MEASUREMENT C	MEASUREMENT D (spacing between bulk pipelines)
1	UP TO 200mm	1700mm	1800mm	500mm	300mm
2	>200mm UP TO 400mm	2500mm	2200mm	500mm	300mm
3	>400mm UP TO 650mm	3300mm	2500mm	700mm	300mm
4	>650mm UP TO 800mm	4100mm	2800mm	900mm	400mm



- 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	DESIGNED	GV		 <div>MOPANI DISTRICT MUNICIPALITY WATER &amp; SANITATION REVITALISATION PROGRAMME</div> <div>PIPELINE A ISOLATION VALVE DETAIL (2 VALVES)</div>	No	REVISION	DATE	DRAWING No.
 <div>ISIPHETHU ENGINEERING 26 Dimitri Crescent Stone Park West Platinum Park Bendor Polokwane</div>	DRAWN	NH			0	ISSUE FOR CONSTRUCTION	31/08/2015	DWS-LNW-ECS078-03-510
	CHECKED	GV			1	VARIOUS CHANGES	14/10/2020	
APPROVED BY:								REV 1
DATE:								