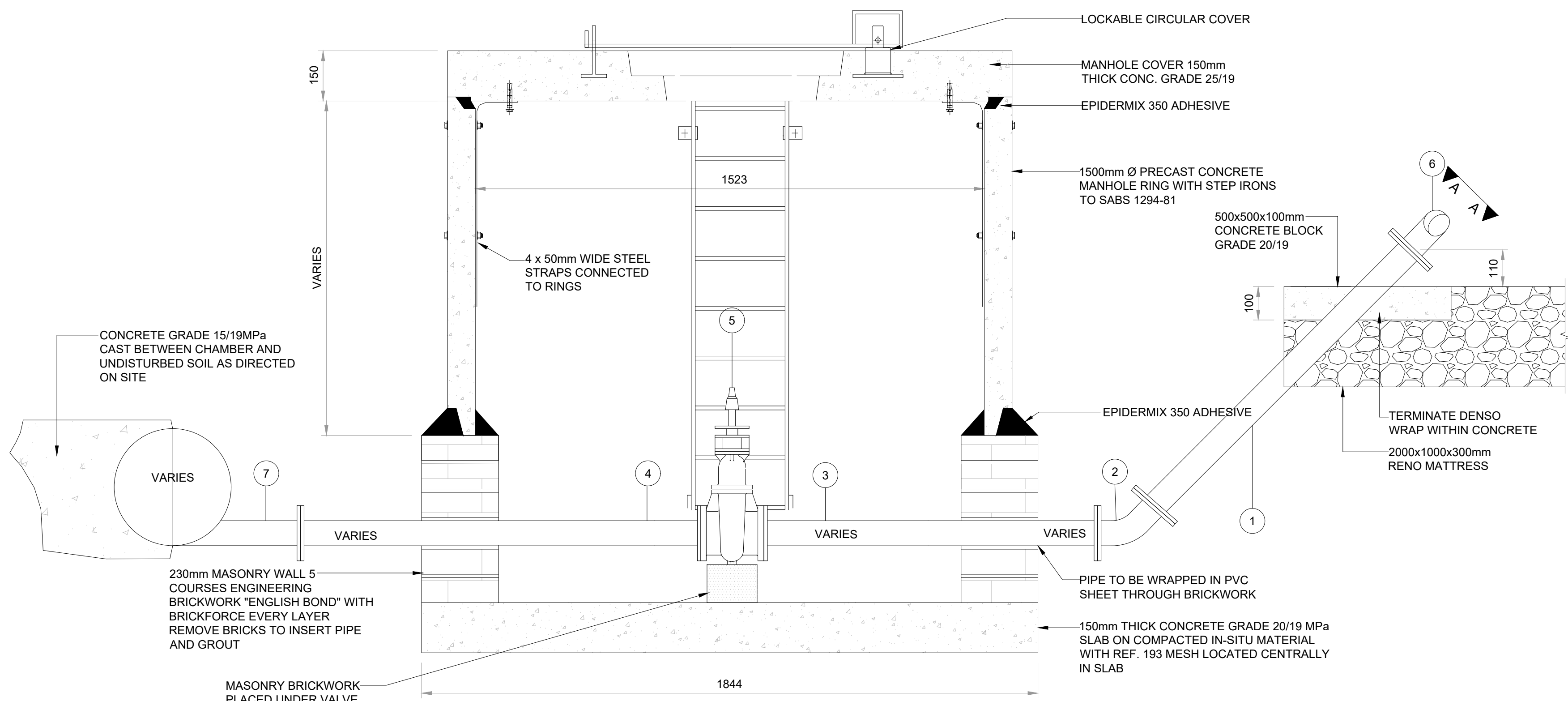
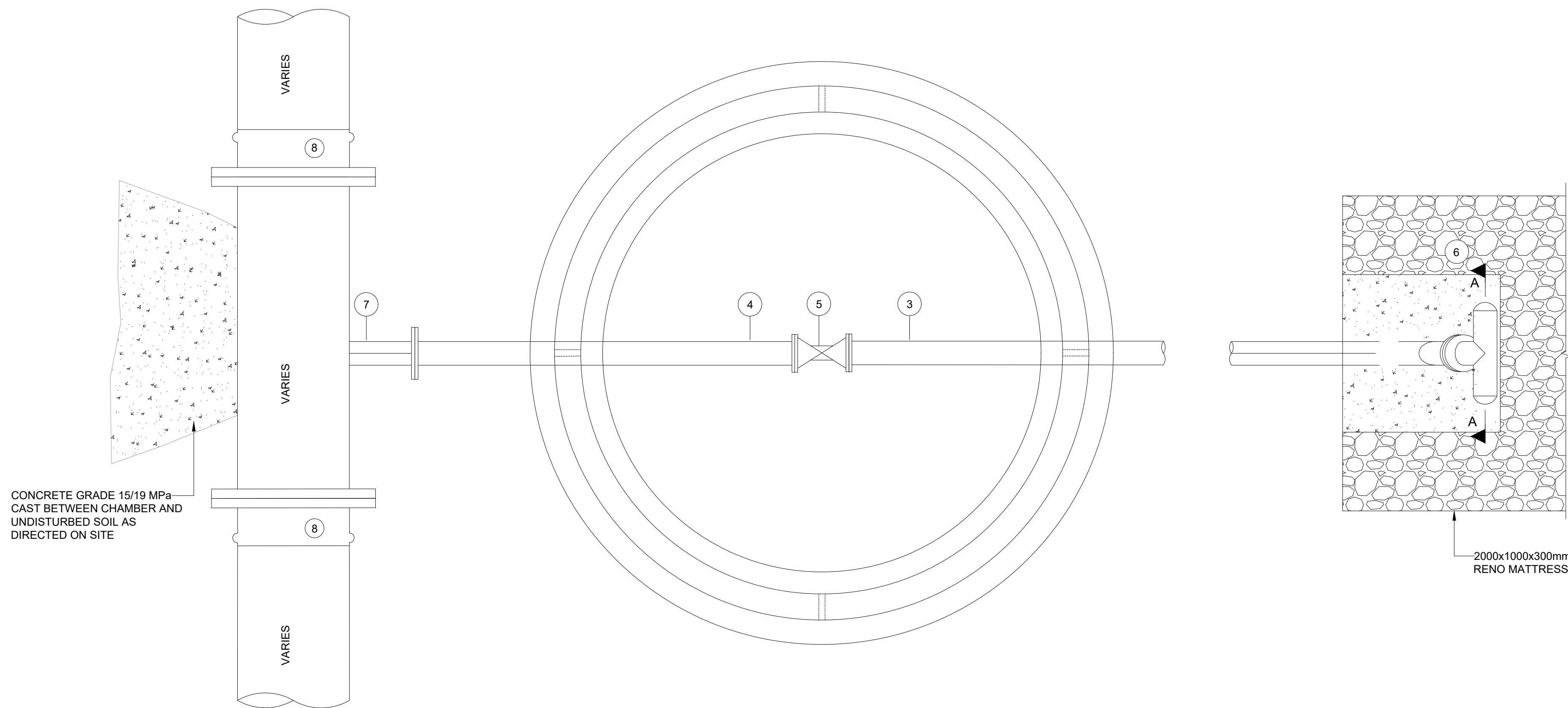
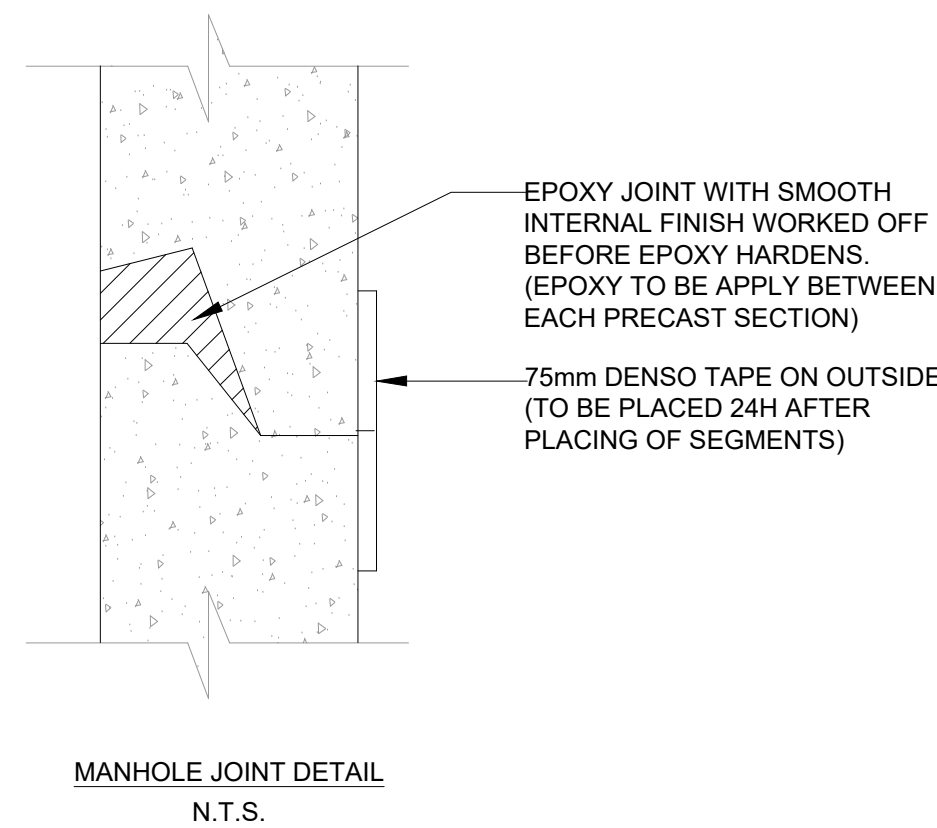




SCOUR VALVE CHAMBER SECTION
SCALE 1:10



SCOUR VALVE CHAMBER LAYOUT PLAN
SCALE 1:10



VIEW A-A : SCOUR T-PIECE
SCALE 1:10

ITEM NO	Dia (ND)	DESCRIPTION
1	50-150	GMS STRAIGHT, FLANGED BOTH ENDS 1500mm, CONFIRM LENGTH ON SITE
2	50-150	45° GMS ELBOW, FLANGED BOTH ENDS
3	50-150	GMS STRAIGHT, FLANGED BOTH ENDS 1000mm, CONFIRM LENGTH ON SITE
4	50-150	GMS STRAIGHT, FLANGED BOTH ENDS 1150mm, CONFIRM LENGTH ON SITE
5	50-150	FLANGED WATER WORKS GATE VALVE TO SABS 664 - WITH LEFT HAND NON-RISING SPINDLE
6	50-150	EQUAL T-PIECE, BRANCH FLANGED AS PER DETAIL
7	50-300	T-PIECE WITH 100mm BRANCH AS SHOWN (610mm LONG) ALL ENDS FLANGED
8	50-300	2 X FLANGE ADAPTOR TO SUIT CONNECTING PIPEWORK

- NOTES:
- SCOUR VALVE SIZES TO SUIT PIPE CLASS AND SIZE.
 - ALL DIMENSIONS IN MILLIMETERS
 - CONCRETE TO BE CLASS 15/19 UNLESS OTHERWISE SPECIFIED
 - COVER TO REINFORCEMENT TO BE 40mm
 - ALL FLANGES SIZES AND DRILLING PATTERNS TO SUIT PIPE CLASS.
 - ALL THREADS TO BSP STANDARDS.
 - ALL BURIED FITTINGS AND HINGES TO BE WRAPPED IN 'DENSO MASTIC BLANKET' TAPE
 - ALL STEEL COMPONENTS INCLUDING BOLTS GALVANISED TO ISO 1461 : 2000
 - ENGINEER TO BE CONSULTED IN RESPECT OF APPROPRIATENESS OF DESIGN FOR PIPE PRESSURE OVER CLASS 25
 - ALL WELDS TO BE FULL PENETRATION TO BS 534 AND FILLET WELD TO BE 80% OF WALL THICKNESS OR WITH A MINIMUM OF 5mm

SCOUR VALVE DETAIL

GENERAL NOTES

- Do not scale this drawing. Work to figure by dimensions, only. Any discrepancies to be brought to the Engineers attention prior to implementation of any work.
- Minimum concrete cube strength @ 28 days for blinding layer is to be 15MPa minimum concrete cube strength @ 28 days for walls, floor slabs, roof slabs, columns, foundations and external non-water retaining structure is to be 30MPa.
- Concrete cover specifications are to be in accordance with the contract document design specifications.
- Minimum cover to reinforcing all concrete members 25mm top & bottom.
PWJ - partial wall vertical joint
PFJ - partial floor joint
- Engineer to inspect all reinforcement prior to casting concrete.
- 20x20mm chamfer on all exposed concrete edges unless otherwise noted.
- All steel flanges to S.A.B.S. 1123/77 table 1000/3 unless otherwise indicated.
- Brick work:
 - All exposed external brickwork satin red facebrick.
 - All internal brickwork to be clay commons, plastered and painted acrylic pva white.
 - Outer face of internal brickwork skin to be bagged and bitumen painted.
 - Brickwork at windowsill level and wall plate level all around building.
 - N.B : 4 coarse brickwork above windows and doors.
 - DPC at floor and windowsill levels.
- Plaster:
 - Cement plaster 12mm thick to internal vertical brick walls.
- Painting:
 - Prepare and apply two coats bitumen paint on brick skin including working around wire ties.
 - Prepare and apply one coat plaster primer and two coats approved pva acrylic paint to internal walls, fibre cement fascia and barge board.
 - Clean with spirits of salts solution and apply two coats silicone based brick dressing in strict accordance with the manufacturer's instructions to external face brick walling.
 - Prepare and apply one coat plaster primer and one coat universal undercoat and one coat approved eggshell enamel paint on fibre cement sills.
 - Etch and apply one coat zinc primer, one undercoat and two finishing coats approved universal gloss enamel paint on steel sashes, frames, and burglar bars.
 - Prepare, stop and apply two coats approved varnish on hardwood doors and frames.
 - prepare, knot prime stop, and apply one coat pink wood primer, one undercoat and two coats approved universal eggshell enamel paint on general surfaces of eaves timbers.
- All steel pipe specials to be rlsan lined and coated to specifications.
- All buried steel pipework & bolted connections to be 'denso' wrapped to specifications.
- All puddle pipes to be tape wrapped to specifications.
- All bolts & nuts to be hot dip galvanised, unless otherwise indicated.
- All construction activities shall be executed to the Engineer's approval.
- Setting out & final positioning of all steel pipework, including puddle pipes, to be confirmed by contractor on site, prior to fabrication and installation.

FUNDER:



DEPARTMENT OF WATER AND SANITATION

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DRAWING REVISIONS

REV	DATE	DRAWN	CHECKED	DESCRIPTION

PROJECT NAME:

WESTERN HIGHVELD BULK WATER SCHEME

DRAWING TITLE:

DETAILS - SCOUR VALVE FROM DN50 TO DN160

RESPONSIBLE PERSONNEL		SIGNATURE	DATE
DESIGNED	S. NGCOBO		
DRAWN	A. SHANGASE		
CHECKED	S. MKHIZE		
APPROVED	AM NDLOVU		
SCALE	AS SHOWN		

APPROVED : CLIENT

SIGNATURE		DATE	
PROJECT NUMBER		DRAWING NUMBER	
VU-WTR-21-006		407	
STAGE	SHEET SIZE	SHEET No	REVISION
TENDER	A0	1 OF 1	0
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FOR TENDER