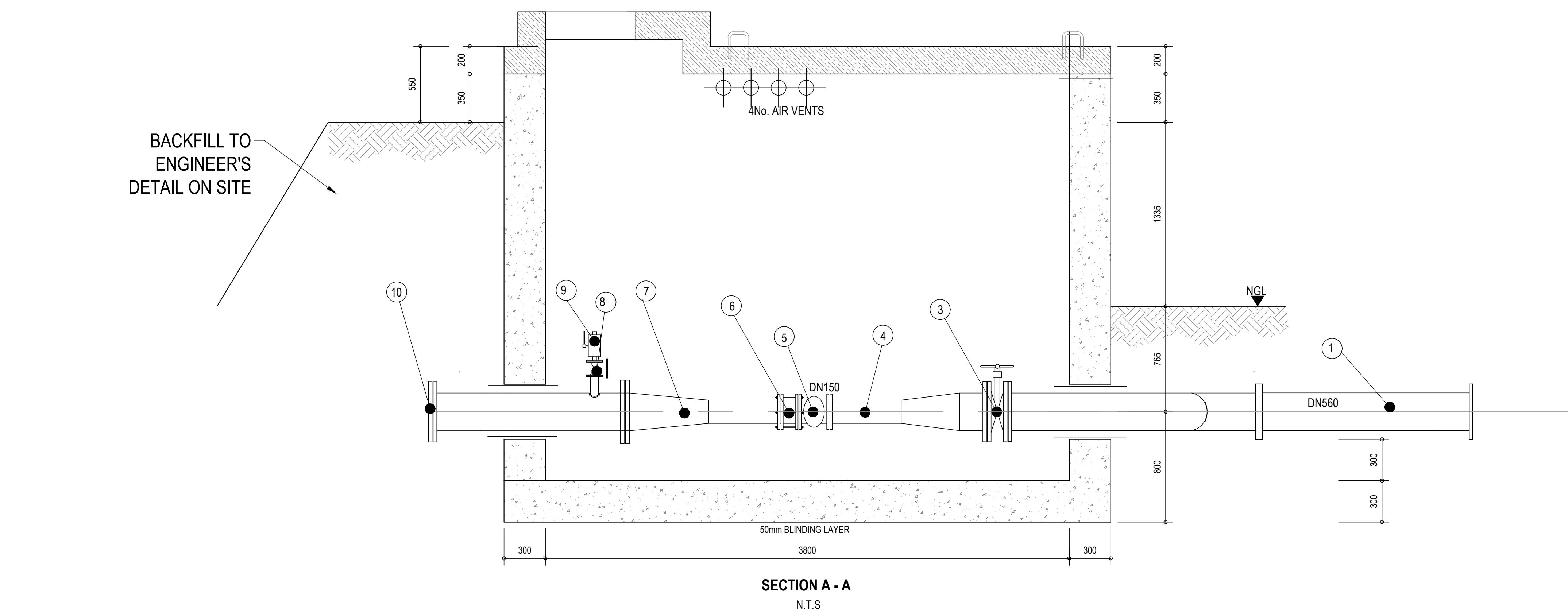




REF. NO.	PIPE FITTING DETAIL (UGIE OFF-TAKE TO NEW 3ML CLARIFLOCULATOR)	QUANTITY	WALL THICKNESS	
1	DN560 GALVANIZED MILD STEEL PIPED, FLANGED BOTH ENDS. BARREL LENGTH TO BE CUT SUITE ON SITE.	1	10mm	
2	DN560 EPOXY COATED AND LINED MILD STEEL PIPE Y BRANCH FLANGED BOTH ENDS C/F 520mm	1	6mm	
3	DN560 DOUBLE OFF-SET BUTTERFLY VALVE, FLANGED PN16, WITH GEARBOX AND HANDLE WHEEL	2	-	
4	DN560xDN150 EPOXY COATED AND LINED MILD STEEL CONCENTRIC REDUCER, FLANGED PN16 BOTH ENDS. DN560 BARREL TO EXTEND 150mm. REDUCER SEGMENT TO BE 650mm IN LENGTH AND DN150 BARREL TO EXTEND 500mm.	2	6mm	
5	DN150 BATTERY-OPERATED ELECTRO-MAGNETIC FLOW METER (SAFMAQ, 150 1/5/DA/SS) INTEGRAL MOUNT'Z OR SIMILAR APPROVED), INCLUDING INSULATING GASKETS EACH SIDE. PN16.	2	6mm	
6	DN150 DISMANTLING JOINT, PN16.	2	-	
7	DN560xDN150 EPOXY COATED & LINED MILD STEEL CONCENTRIC REDUCER, FLANGED PN16 BOTH ENDS WITH DN80 FLANGED BRANCH ON DN250 SEGMENT. DN560 BARREL TO EXTEND 840mm. REDUCER SEGMENT TO BE 650mm IN LENGTH AND DN150 BARREL TO EXTEND 600mm. BRANCH TO BE LOCATED 650mm C/F AND EXTENDING 350mm C/F.	1	-	
8	DN80 RESILIENT SEAL GATE VALVE WITH NON-RISING SPINDLE AND HAND-WHEEL.	2	-	
9	DN80 MULTI-ORIFICE ANTI-SHOCK AIR VALVE, AS SPECIFIED.	2	6mm	
10	DN150 EPOXY COATED BLANK FLANGE, PN16.	2	-	

GENERAL NOTES

1. DO NOT SCALE THIS DRAWING. WORK TO FIGURED DIMENSIONS ONLY. ANY DISCREPANCIES TO BE BROUGHT TO THE ENGINEERS ATTENTION PRIOR TO IMPLEMENTATION OF ANY WORK.
2. MINIMUM CONCRETE CUBE STRENGTH @ 28 DAYS FOR BLINDING LAYER IS TO BE 15MPa MINIMUM CONCRETE CUBE STRENGTH @ 28 DAYS FOR FLOOR SLABS, ROOF SLABS, COLUMNS, FOUNDATIONS AND EXTERNAL NON-WATER RETAINING STRUCTURE IS TO BE 35MPa.
CONCRETE COVER SPECIFICATIONS ARE TO BE IN ACCORDANCE WITH THE CONTRACT DOCUMENT DESIGN SPECIFICATIONS.
- MINIMUM COVER TO REINFORCING
FLOOR/BASE SLAB
50mm TOP & BOTTOM WALLS
EARTH FACE 40mm
WATER FACE 50mm
ROOF SLAB
- SOFFIT 50mm
- TOP 40mm
- COLUMNS 50mm
3. PWJ - PARTIAL WALL VERTICAL JOINT PFJ - PARTIAL FLOOR JOINT
4. ENGINEER TO INSPECT ALL REINFORCEMENT PRIOR TO CASTING CONCRETE.
5. 20x20mm CHAMFER ON ALL EXPOSED CONCRETE CRACK EDGES UNLESS OTHERWISE NOTED.
6. ALL STEEL FLANGES TO S.A.B.S. 1123/77 TABLE 1600/3 UNLESS OTHERWISE INDICATED
7. ALL STEEL PIPE SPECIALS TO BE RLSAN UNED AND COATED TO SPECIFICATIONS.
8. ALL BURIED STEEL PIPEWORK & BOLTED CONNECTIONS TO BE 'DENSO' WRAPPED TO SPECIFICATION
9. ALL PUDDLE PIPE TO BE TAPE WRAPPED TO SPECIFICATION.
10. ALL BOLTS & NUTS TO BE HOT DIP GALVANISED, UNLESS OTHERWISE INDICATED
11. ALL CONSTRUCTION ACTIVITIES SHALL BE EXECUTED TO THE ENGINEERS APPROVAL.
12. SETTING OUT / FINAL POSITIONING OF ALL STEEL PIPEWORK, INCLUDING PUDDLE PIPES, TO BE CONFIRMED BY CONTRACTOR ON SITE, PRIOR TO FABRICATION AND INSTALLATION.
13. SLEEVE TO BE PROVIDED IN CHAMBER FOR ELECTRICAL CONNECTION TO MAG FLOW METER. EXACT POSITION OF SLEEVE TO BE CONFIRMED BY SITE ENGINEER.
14. POSITIONING OF OVERFLOW & SCOUR PIPE AS PER SITE LAYOUT TO BE CONFIRMED BY ENGINEER ON SITE PRIOR TO CONSTRUCTION.

FUNDER:

Department of Water and Sanitation

 water & sanitation
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The image shows the logo for KUFANIKIWA CONSULTING. The logo consists of a stylized sun or fan icon with orange and yellow segments and black lines, positioned above the company name. The name "KUFANIKIWA" is in a large, bold, black sans-serif font, and "CONSULTING" is in a smaller, orange, all-caps sans-serif font below it. Below the logo, the contact information is listed in a black sans-serif font: "Physical Address : 11 Derby Place", "Dorby Downs Office park", "Westville", "Telephone Number : (031) 701 1038", "Facsimile Number : (031) 701 0963", "E-mail Address : www.kufanikiwa.co.za", and "Website Link or Address : info@kufanikiwa.co.za".

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PROJECT NAME:

WESTERN HIGHVELD BULK WATER SCHEM

DRAWING TITLE:

BIFURCATION CHAMBER

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		409	
STAGE		SHEET SIZE	SHEET No. REVISION
TENDER		A0	1 OF 1 0
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