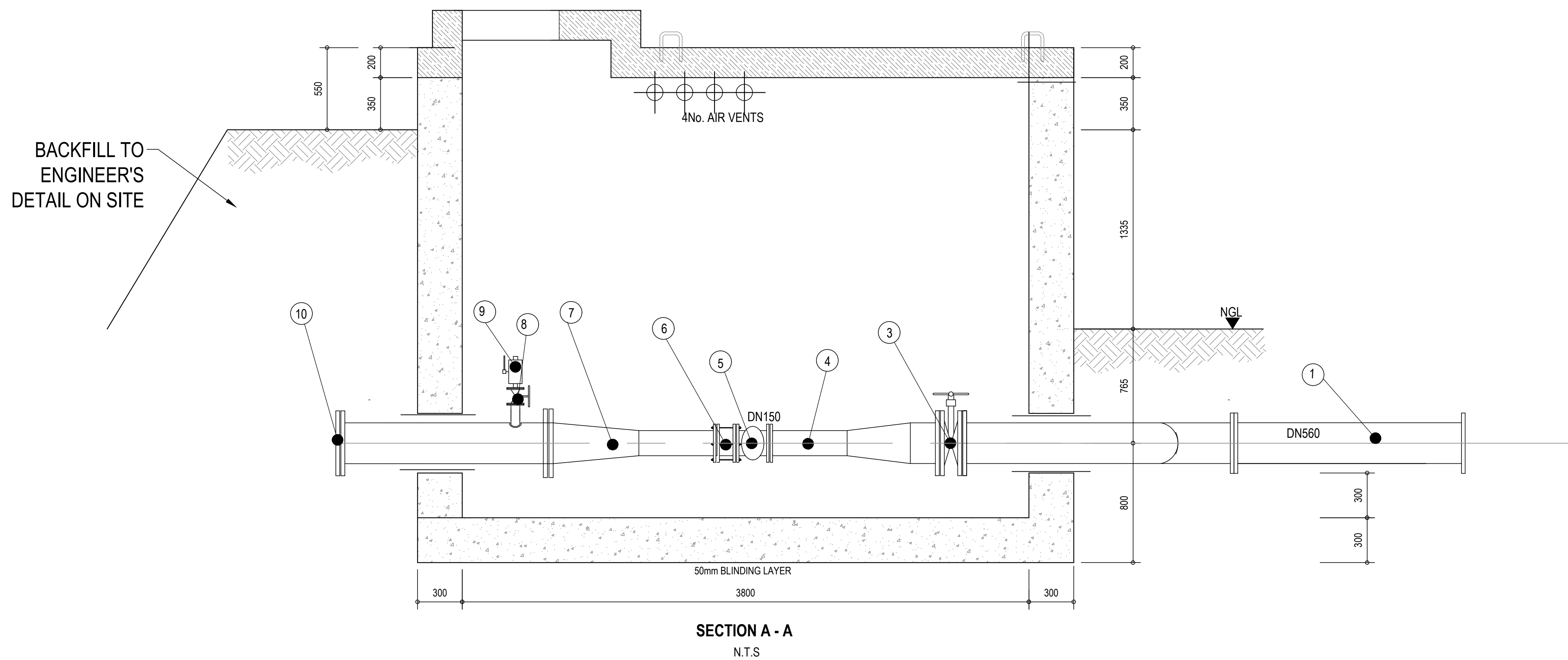
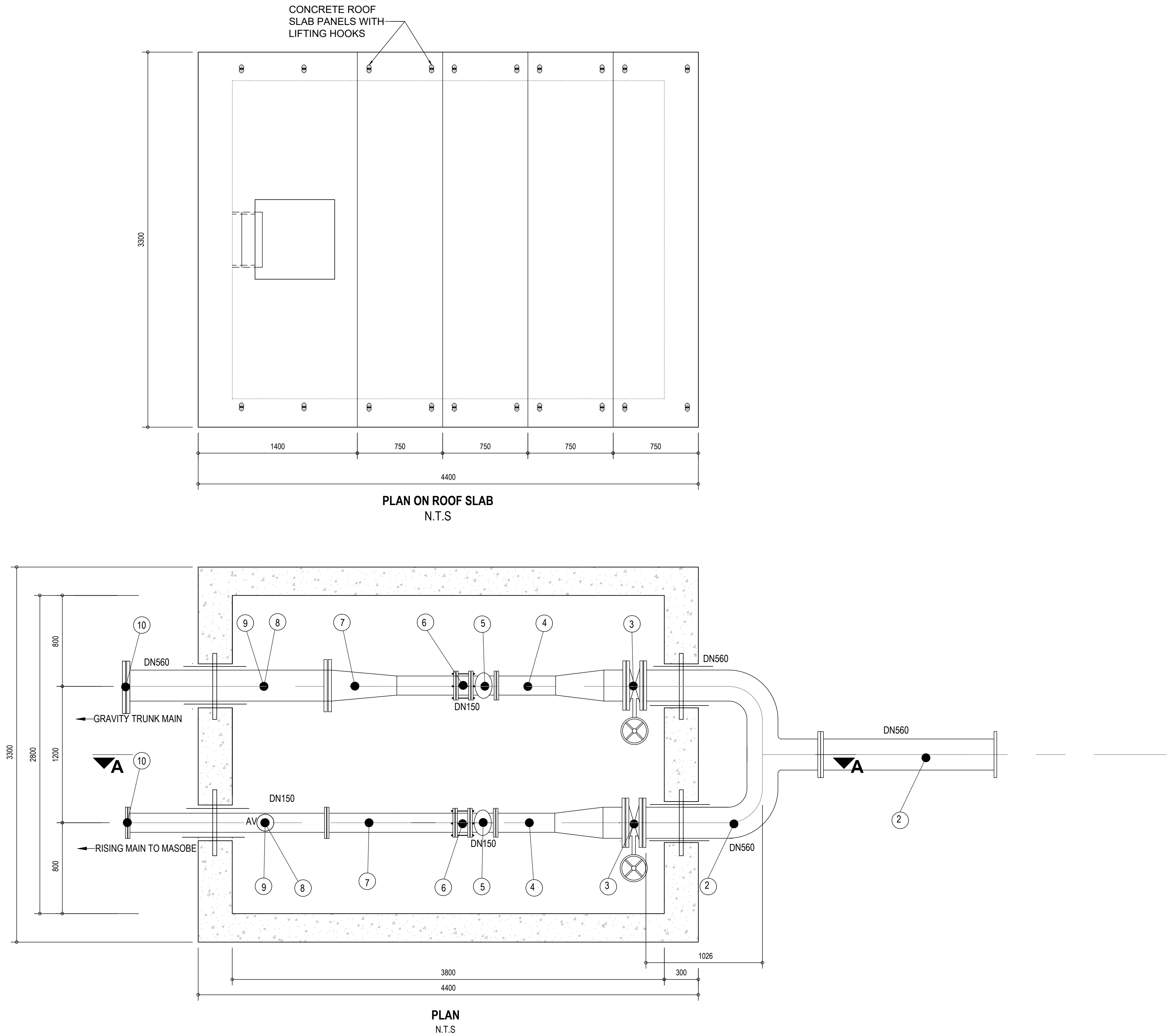




PIPE FITTING DETAIL (UGIE OFF-TAKE TO NEW 3ML CLARIFLOCCULATOR)			
REF. NO.	DESCRIPTION	QUANTITY	WALL THICKNESS
1	DN560 GALVANIZED MILD STEEL PIPED, FLANGED BOTH ENDS. BARREL LENGTH TO BE CUT SUITE ON SITE.	1	10mm
2	DN560 EPOXY COATED AND LINED MILD STEEL PIPE Y BRANCH FLANGED BOTH ENDS.C/F 520mm	1	6mm
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 ('SAFMAG, 150 1/8/DA/SS/ INTEGRAL MOUNT/2' 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 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 RILSAN LINED 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.	

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DRAWING REVISIONS				
REV	DATE	DRAWN	CHECKED	DESCRIPTION

PROJECT NAME:

WESTERN HIGHVELD BULK WATER SCHEME

DRAWING TITLE:

BIFURCATION CHAMBER

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

APPROVED ; CLIENT	
SIGNATURE	DATE
PROJECT NUMBER	DRAWING NUMBER
VU-WTR-21-006	411
STAGE	SHEET No. REVISION
TENDER	A0 1 OF 1 0
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