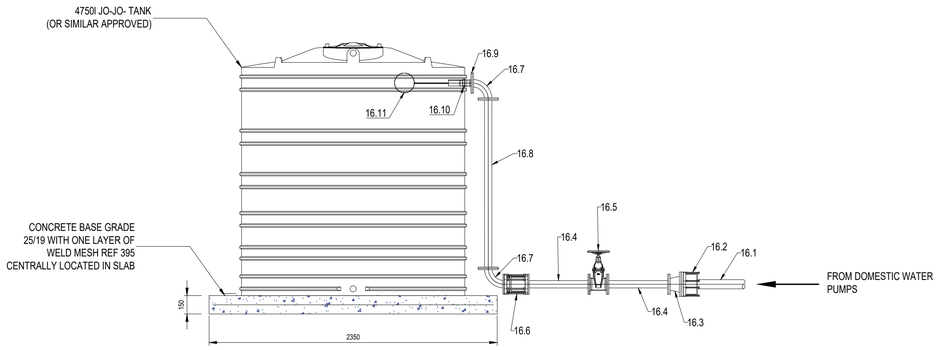


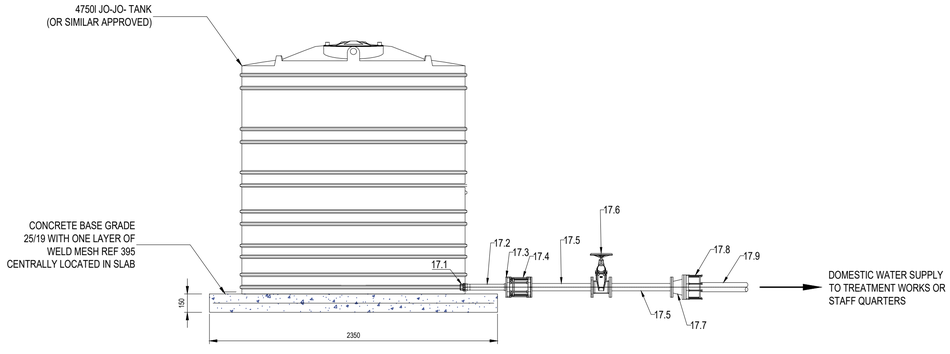
SECTION A-A:
DOMESTIC WATER SUPPLY TANK
INLET PIPEWORK
SCALE 1:25

DOMESTIC WATER SUPPLY TANK INLET PIPEWORK (2 NO.)			
ITEM	DESCRIPTION	QUANTITY	DIMENSIONS
16.1	75mm Ø PE100, PN10 HDPe PIPELINE (FROM DOMESTIC WATER PUMPS)	BILLED ELSEWHERE	
16.2	80mm Ø VIKING JOHNSON (OR SIMILAR APPROVED) FLANGE ADAPTOR	2	
16.3	80mm x 50mm Ø FLANGED STEEL REDUCER	2	
16.4	50mm Ø MS STRAIGHT PIPE LENGTH, FLANGED BOTH ENDS, LENGTH = 500mm F/F	4	500
16.5	50mm Ø AVK SERIES 43/60 (OR SIMILAR APPROVED) CLASS 16 FLANGED RESILIENT SEAL GATE VALVE WITH HANDWHEEL AND NON-RISING SPINDLE	2	
16.6	50mm Ø VIKING JOHNSON (OR SIMILAR APPROVED) DISMANTLING JOINT	2	
16.7	50mm Ø MS 90° FLANGED ELBOW	4	150, R130
16.8	50mm Ø MS STRAIGHT PIPE LENGTH, FLANGED BOTH ENDS, APPROX. LENGTH = 1381mm F/F	2	1381
16.9	50mm Ø MS BLANK FLANGE, DRILLED AND FITTED WITH 40mm Ø BSP FEMALE THREAD	2	
16.10	40mm Ø PVC TANK ADAPTOR (THREADED)	2	
16.11	40mm Ø COBRA (OR SIMILAR APPROVED) BRASS FLOAT VALVE	2	

NOTES

1. ALL FLANGES TO BE SANS 1123 TABLE 1600/3.
2. ALL GASKETS TO BE FULL-FACED KLINGER OR SIMILAR APPROVED.
3. ALL PIPEWORK AND FITTING DIMENSIONS TO BE CHECKED ON SITE AND ANY DISCREPANCIES REPORTED TO THE ENGINEER, PRIOR TO ANY MANUFACTURE / INSTALLATION / ASSEMBLY TAKING PLACE.
4. ALL PIPEWORK INCLUDING PUDDLE FLANGES, PASSING THROUGH BRICKWORK OR CONCRETE WALLS OR BURIED UNDERGROUND, TO BE DENSO WRAPPED, UNLESS OTHERWISE DIRECTED IN WRITING.
5. ALL PIPEWORK AND FITTINGS INCLUDING BOLTS, NUTS AND WASHERS TO BE HOT DIP GALVANIZED TO SANS 121-ISO1461.
6. ALL DAMAGED HOT DIP GALVANIZED SURFACES, OR ALL ENDS OF PIPES CUT TO SUIT ON SITE, TO BE TREATED WITH ZINCFIX OR SIMILAR APPROVED EPOXY REPAIR COATING, TO MANUFACTURER'S SPECIFICATION.
7. ALL GATE VALVES SHALL COMPLY WITH SANS 664:2011.
8. ALL GATE VALVES SHALL BE CLOCKWISE CLOSING WITH NON-RISING SPINDLE.

DOMESTIC WATER SUPPLY TANK OUTLET PIPEWORK (2 NO.)			
ITEM	DESCRIPTION	QUANTITY	DIMENSIONS
17.1	40mm Ø PVC TANK ADAPTOR (THREADED)	2	
17.2	40mm Ø MS STRAIGHT PIPE LENGTH, THREADED BOTH ENDS, APPROX. LENGTH = 280mm	2	280
17.3	50mm Ø MS BLANK FLANGE, DRILLED AND FITTED WITH 40mm Ø BSP FEMALE THREAD	2	
17.4	50mm Ø VIKING JOHNSON (OR SIMILAR APPROVED) DISMANTLING JOINT	2	
17.5	50mm Ø MS STRAIGHT PIPE LENGTH, FLANGED BOTH ENDS, LENGTH = 500mm F/F	4	500
17.6	50mm Ø AVK SERIES 43/60 (OR SIMILAR APPROVED) CLASS 16 FLANGED RESILIENT SEAL GATE VALVE WITH HANDWHEEL AND NON-RISING SPINDLE	2	
17.7	80mm x 50mm Ø FLANGED STEEL REDUCER	2	
17.8	80mm Ø VIKING JOHNSON (OR SIMILAR APPROVED) FLANGE ADAPTOR	1	
17.9	75mm Ø PE100, PN10 HDPe DOMESTIC WATER SUPPLY PIPELINE TO TREATMENT WORKS	BILLED ELSEWHERE	



SECTION B-B:
DOMESTIC WATER SUPPLY TANK
OUTLET PIPEWORK
SCALE 1:25

FOR TENDER PURPOSES

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GENERAL NOTES

1. THIS DRAWING PROVIDES INFORMATION RELATED TO THE FORM OF THE WORK WHEN COMPLETED TOGETHER WITH GUIDANCE, WHERE FUNDAMENTAL TO THE DESIGN, FOR THE SEQUENCE OF CONSTRUCTION. THIS DRAWING DOES NOT PURPORT TO INCLUDE ANY NECESSARY PRECAUTIONS, ITEMS OR COMPONENTS REQUIRED FOR CONSTRUCTION SAFETY. ALL SUCH PRECAUTIONS MUST BE TAKEN AND ITEMS OR COMPONENTS SUPPLIED BY THE CONTRACTOR.
2. ANY DISCREPANCIES ARE TO BE CONFIRMED WITH THE ENGINEER ON SITE PRIOR TO WORK PROCEEDING.
3. ONLY WRITTEN DIMENSIONS SHALL BE USED.
4. ALL DIMENSIONS ARE IN mm.

REFERENCE DRAWINGS

Issued For Tender	JSM	14/12/23	0
Revision Details	By	Date	Suffix

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NKANGALA
DISTRICT
MUNICIPALITY

Project Title

WESTERN HIGHVELD WATER
TREATMENT WORKS

Drawing Title

DOMESTIC WATER TANK
PIPEWORK DETAILS

Scale	ON ORIGINAL PLAN
DRAWN	
BY : AB	DATE: 14/12/23
DESIGNED	
BY : AB	Pr No:
SIGNATURE :	DATE :
CHECKED ON BEHALF OF HN CONSULTING ENGINEERS	
BY : JSM	Pr No:
SIGNATURE :	DATE :

HN Drawing Number	Revision
325WS - C.05	0