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SUPPLY CHAIN MANAGEMENT

Enquiries: Ms. I Thesen **Ref: 6/4/2** **Tel: (021) 808 8720** **E-mail: Ingrid.thesen@stellenbosch.gov.za**

As per e-mail:

Dear Sir /Madam

NOTICE TO BIDDERS

ADDENDUM: TENDER B/SM 25/27: THE CONSTRUCTION OF POLKADRAAI WATER SUPPLY SCHEME: PHASE 2

NB 3 REVISED INFORMATION

NB3.1 PARC T1.2 TENDER DATA

a) Replace page 11 with page 11(a) (*Company experience updated)*

NB3.2 PARC C2.2 BILLS OF QUANTITIES

b) Replace page 116 with page 116(a) (*Item A1.2.3 added)*

c) Replace page 117 with page 117(a) (*Item A2.2.3 added)*

d) Replace page 125 with page 125(a) (*Item C7.4.1 and C7.4.2 revised)*

e) Add page 125.1

f) Replace page 126 with page 126(a) (*Item number for hydrant changed to C7.4.4)*

NB3.2 C3.4 CONSTRUCTION

g) Replace page 158 with page 158(a) (Clause *PSA8.18 added)*

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.....
BSC CHAIRPERSON

5/11/2026
.....
DATE:

Note: Confirmation to the addendum

CONFIRMATION

I ..... (Name) hereby declare on behalf of

..... (Company's name),

to agree/not agree (please encircle) to the above changes in the bidding documentation.

Address: .....
.....
.....

Tel no.: .....
Fax no.: .....

Signature of bidder: .....

Date:
.....

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ANNEXURE A

Updated Tender Pages

C.2.1.4.2 **Minimum Experience Requirements**

A. Company Experience

1. **Technical Scope Requirement**
   Each qualifying project shall have included:

   a. Minimum of at least **three (3)** completed contracts within the past ten (10) years, involving the construction of bulk water main pipelines of similar nature, scope, and complexity.

      i. Pipelines with a minimum nominal diameter of 300 mm Class 12, and
      ii. A minimum pipeline length of 2km HDPE Pipe (Cumulative length).

2. **Minimum Contract Value**
   Each qualifying project shall have had a construction value of not less than **R10 000 000** (Five Million Rand), inclusive of VAT.

3. **Proof of Completion**
   The tenderer shall submit proof of **successful completion** for each listed project in the form of:

   a. Signed completion certificates; or
   b. Signed references from the employer or employer's agent
   c. Contact details of references must be provided

   Such proof shall clearly indicate:

      i. Project description
      ii. Pipe diameter(s) installed
      iii. Pipe material
      iv. Final contract value
      v. Date of completion (practical completion)
      vi. Contactable reference details

4. **Role of Tenderer**
   Only projects where the tenderer acted as the **main contractor** or **lead partner in a joint venture** will be considered.

5. **Joint Ventures**
   In the case of a joint venture, the **combined experience of the participating parties** shall be taken into account.

6. **Non-Responsiveness**
   Failure to meet any of the above eligibility criteria will result in the tender being deemed **non-responsive**.

Tenderers are required to submit all supporting documentation in support of their experience in accordance with **Schedule 12**, included under the Returnable Schedules.

Only information that was supplied at tender submission will be considered and evaluated for the purposes of assessing the tenderer's experience.

SCHEDULE A: PRELIMINARY AND GENERAL

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
A	SANS 1200A	**PRELIMINARY AND GENERAL**				
A1	8.3	**SCHEDULED FIXED-CHARGE AND VALUE-RELATED ITEMS**				
A1.1	8.3.1	Contractual Requirements	Sum	1		
	8.3.2	Establishment of facilities on Site:				
A1.2	PSA8.3.2.1	**Facilities for Engineer**				
A1.2.1		Provision of furnished engineer's office/conference room including tables, chairs, air-conditioning, adequate lighting, power supply, and sanitary facilities, complete as specified	Sum	1		
A1.2.2		2 Name board. Refer to dwg 33803.01-001-01	Sum	1		
A1.2.3	PSA8.4.2.1	Vehicle for residential engineer	Sum	1		
A1.3	8.3.2.2	**Facilities for Contractor**				
A1.3.1		Offices and storage sheds	Sum	1		
A1.3.2		Workshops	Sum	1		
A1.3.3		Laboratories	Sum	1		
A1.3.4		Ablution and latrine facilities	Sum	1		
A1.3.5		Tools and equipment	Sum	1		
A1.3.6		Water supplies, electric power and communications.	Sum	1		
A1.3.7		Dealing with water	Sum	1		
A1.3.8		Access	Sum	1		
A1.3.9		Plant	Sum	1		
A1.4	PSA 8.16	Obtaining of and allowance for payment of all applicable wayleaves	Sum	1		
A1.5	PSA 8.12	Compliance to the OHS Act including all site programmes, inductions etc.	Sum	1		
A1.6	PSA 8.12	Compliance to the NEMA Act and Tenders Environmental Management Plan	Sum	1		
A1.7	PSA 8.13	Compliance to the Quality Control Management Plan	Sum	1		
Total Carried Forward						

SCHEDULE A: PRELIMINARY AND GENERAL

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
Brought Forward						
A1.8	8.3.3	Other fixed-charge obligations (Specify):.....	Sum	1		
A1.9	8.3.4	Removal of Contractor's Site establishment on completion	Sum	1		
A2	8.4	**SCHEDULED TIME-RELATED ITEMS**				
A2.1	8.4.1	Contractual Requirements	Sum	1		
	8.4.2	Operation and maintainance of facilities on the Site:				
A2.2	8.4.2.1	**a) Facilities for Engineer for duration of construction, except where otherwise stated:**				
A2.2.1		Provision of furnished engineer's office/conference room including tables, chairs, air-conditioning, adequate lighting, power supply, and sanitary facilities, complete as specified	Sum	1		
A2.2.2		2 Name board. Refer to dwg 33803.01-001-01	Sum	1		
A2.2.3		Survey assistants and materials	Sum	1		
A2.2.3	PSA8.4.2.1	Vehicle for residential engineer	Sum	1		
A2.3	8.4.2.2	**b) Facilities for Contractor for duration of construction, except where otherwise stated:**				
A2.3.1		Offices and storge sheds	Sum	1		
A2.3.2		Workshops	Sum	1		
A2.3.3		Laboratories	Sum	1		
A2.3.4		Ablution and latrine facilities	Sum	1		
A2.3.5		Tools and equipment	Sum	1		
A2.3.6		Water supplies, electrical power and communictions	Sum	1		
A2.3.7		Dealing with water	Sum	1		
A2.3.8		Access	Sum	1		
A2.3.9		Plant	Sum	1		
A2.3.10	8.4.3	Supervision for duration of construction	Sum	1		
A2.3.11	8.4.4	Company and head office overhead costs for duration of construction	Sum	1		
A2.4	PSA 8.8.2	Traffic Accomodation. Refer to dwgs 33803.01-119	Sum	1		
A2.5	PSA 8.16	Obtaining of and allowance for payments of all applicable wayleaves	Sum	1		
A2.6	PSA 8.12	Compliance to OSH Act including site programme, induction etc	Sum	1		
Total Carried Forward						

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
Brought Forward						
C6.3		**REDUCERS**				
		Buttwelded HDPE Reducers				
C6.3.1		110 x 75 mm dia	No	2		
C6.3.2		160 x 75 mm dia	No	1		
C6.3.3		355 x 160 mm dia	No	1		
C6.3.4		450 x 400 mm dia	No	1		
C7		**VALVES**				
C7.1	PSL 8.2.3	Supply RSV gate valves (AVK or equivalent), in valve box and install on concrete support, joint, include cut pipes where necessary and test complete with:				
C7.1.1		75 mm dia PE100 PN12.5	No	2		
C7.1.2		110 mm dia PE100 PN12.5	No	1		
C7.1.3		160 mm dia PE100 PN12.5	No	2		
C7.1.4		315 mm dia PE100 PN12.5	No	2		
C7.1.5		355 mm dia PE100 PN12.5	No	1		
C7.1.6		400 mm dia PE100 PN12.5	No	5		
C7.2		50 mm Air valves complete with 50 mm flanged hydrant T-pieces buttwelded, distance piece and 50 mm dia butterfly valve with lever on flanged HDPE pipes on:				
C7.2.1		400 mm dia PE100 PN12.5	No	1		
C7.2.2		450 mm dia PE100 PN20	No	5		
C7.3		100 mm Scour valves complete with leader pipe of 2 m and scour pipe of 5 m on flanged HDPE pipes on:				
C7.3.1		110 mm dia PE100 PN12.5	No	1		
C7.3.2		160 mm dia PE100 PN12.5	No	1		
C7.3.3		315 mm dia PE100 PN12.5	No	1		
C7.3.4		450 mm dia PE100 PN20	No	4		
C7.4.1		Complete mechanical installation, supply, deliver, lay/install, joint, test and commission all 315mm ND pipework, main & bypass PRVs, isolating valves, strainers, air valves, pressure gauges, pipe supports, pedestal straps, sleeves and cathodic protection fitments complete as detailed on Drawing 33803.01-143-02. Chamber measured seperately	No	1		
C7.4.2		Complete mechanical installation, supply, deliver, lay/install, joint, test and commission all 355mm ND pipework, main & bypass PRVs, isolating valves, strainers, air valves, pressure gauges, pipe supports, pedestal straps, sleeves and cathodic protection fitments complete as detailed on Drawing 33803.01-143-02. Chamber measured seperately2	No	1		
Total Carried Forward						

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
Brought Forward						0.00
C7.4.3	SANS 1200 DB	**REINFORCED CONCRETE PRV CHAMBERS & Earthworks (Pipe Trenches / Structures)**				
C7.4.3.1	8.3.2	Excavate in all materials for chamber structures, trimming, preparation of formation and disposal of surplus material. Suitable material to be used from excavations for backfilling around structure.	m³	400		
	SANS 1200 G	**Concrete (Structural)**				
C7.4.3.2	8.4.2	50mm Unreinforced concrete blinding / screed layer (15 MPa / 20 MPa) under base slab	m³	10		
C7.4.3.3	8.4.3	300mm Class 30 MPa / 19mm reinforced concrete base slab (Reinforcement measured elsewhere)	m³	40		
C7.4.3.4		250mm Class 40 MPa / 19mm reinforced concrete chamber walls (Reinforcement measured elsewhere)	m³	30		
C7.4.3.5		250mm Class 40 MPa / 19mm reinforced concrete top/roof slab (Reinforcement measured elsewhere)	m³	30		
C7.4.3.6		Class 30 MPa concrete in internal pipe support pedestals	m³	1		
C7.4.3.7	8.2	Rough formwork for external vertical faces	m²	150		
C7.4.3.8	8.2	Smooth formwork for internal vertical faces	m²	120		
C7.4.3.9	8.2	Wood float to rough surfaces	m²	70		
C7.4.3.10	8.2	Steel float to smooth surfaces	m²	230		
	SANS 1200 G	**Steel Reinforcement**				
C7.4.3.11	8.3	High-yield steel reinforcement bars (Grade 450 MPa / High Tensile Steel) cut, bent & fixed in base slab, walls and top slab	kg	1 000		
	SANS 1200 L /	**Chamber Fitments & Drainage System**				
C7.4.3.12	L 8.2.8	Supply and install Interlock Systems Patented Ultra High Security Manhole Cover and Frame Assembly from Interlock Systems, Grade 316 stainless steel, Class C250 rating, cast-in frame option), including non-shrink grout bedding and 2 key tools.	No.	4		
C7.4.3.13		Supply and install Calcamite Heavy-Duty Virgin Polypropylene Encapsulated High-Tensile Steel Core Step Irons, cast-in-situ or epoxy-grouted into pre-drilled holes in concrete wall, installed at 300mm vertical centers and staggered 300mm horizontally.	No.	30		
C7.4.3.11		Air vent pipe penetration and cowl unit through roof slab	No.	2		
C7.4.3.12	LF 8.2	500 x 500mm floor sump complete with 150 x 110mm PVC-U sewer gulley and cast iron grate	No.	2		
C7.4.3.14		Ø110mm PVC-U drain pipe complete to stormwater channel / natural stream or blanked off for pumping out	m	10		
Total Carried Forward						0.00

SCHEDULE C: MEDIUM PRESSURE PIPELINE

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
Brought Forward						
C7.4.4		Fire hydrants complete to dwg 33803.01-143-01 with T-pieces and extensions on HDPE pipes on:				
C7.4.4.1		315 mm dia	No	1		
C8		**FLANGED ADAPTORS**				
C8.1		HDPE Stub Flange complete with Stainless Steel Backing Ring, drilled to SANS 1123 Table 1600/3.				
C8.1.1		75 mm dia	No	10		
C8.1.2		110 mm dia	No	10		
C8.1.3		160 mm dia	No	6		
C8.1.4		315 mm dia	No	10		
C8.2		HDPE Stub Flange complete with Stainless Steel Backing Ring, drilled to SANS 1123 Table 2500/1A.				
C8.2.1		400 mm dia	No	12		
C8.2.2		450 mm dia	No	18		
C9		**ANCILLARIES**				
C9.1	8.2.11	Anchor/Thrust blocks and pedestals	m^3	5		
C9.2	1200 LF 8.2.8	Markers for valves & hydrants	No	27		
C9.3	SANS 1200LF 8.2.8	Marker for water main along Provincial Road according to dwg WCS/22/4/C2 including all aluminium plates & screws	No	20		
C10	8.2.13	**VALVE CHAMBERS**				
C10.1		Isolating valve chambers complete to dwg no 33803.01-143-01 for depth up to 1,5m				
C10.1.1		75 mm dia	No	2		
C10.1.2		110 mm dia	No	1		
C10.1.3		160 mm dia	No	2		
C10.1.4		315 mm dia	No	2		
C10.1.5		400 mm dia	No	5		
C10.2		Air valve chambers complete to dwg no 33803.01-143-01 for depth up to 1,5m				
C10.2.1		400 mm dia	No	1		
C10.2.2		450 mm dia	No	5		
C10.3		Scour valve chamber complete to dwg no. 33803.01-143-01 for depth up to 1.5m				
C10.3.1		110 mm dia	No	1		
C10.3.2		160 mm dia	No	1		
Total Carried Forward						

Payment shall be made as follows:

- 50% of the tendered sum upon submission of all required wayleave applications to the relevant authorities and service providers, supported by proof of submission.

- 50% of the tendered sum upon receipt of all required wayleave approvals and permits necessary for the execution of the Works.

No additional payment shall be made for any costs associated with obtaining the required wayleaves and permits.

PSA8.17 ALTERATIONS TO PUMP STATION (NEW ITEM)

The lump sum shall include full compensation for all works required to theft-proof the existing Papegaaiberg Pump Station. This includes, but is not limited to, replacing the existing roof with a reinforced concrete slab roof, together with all associated alterations, finishes, and incidental works necessary to complete the modification to the satisfaction of the Engineer. The sum shall further include all labour, materials, and incidental costs required to execute and complete the works.

PSA8.18 VEHICLE FOR RESIDENTIAL ENGINEER (NEW ITEM)

The contractor shall provide 1-ton bakkie for the exclusive use, on the site, by the Engineer's Representative. The vehicle shall be either new or sound second-hand quality and shall be maintained in good condition and supplied with fuel (Up to 100 litres per month) throughout the duration of the Contract. The vehicle shall
revert to the contractor on the date of the Certificate of Completion.

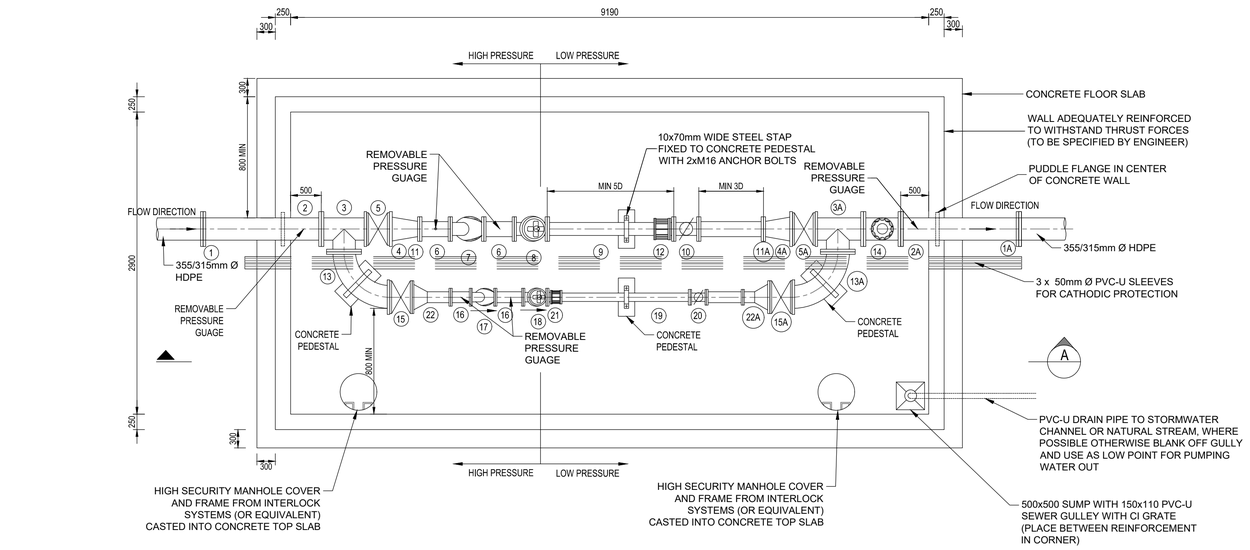
The Contractor shall be in charge to arrange licencing and insurance of vehicle for the duration of the contract.

A suitable alternative vehicle must be available when vehicle maintenance is being carried out.

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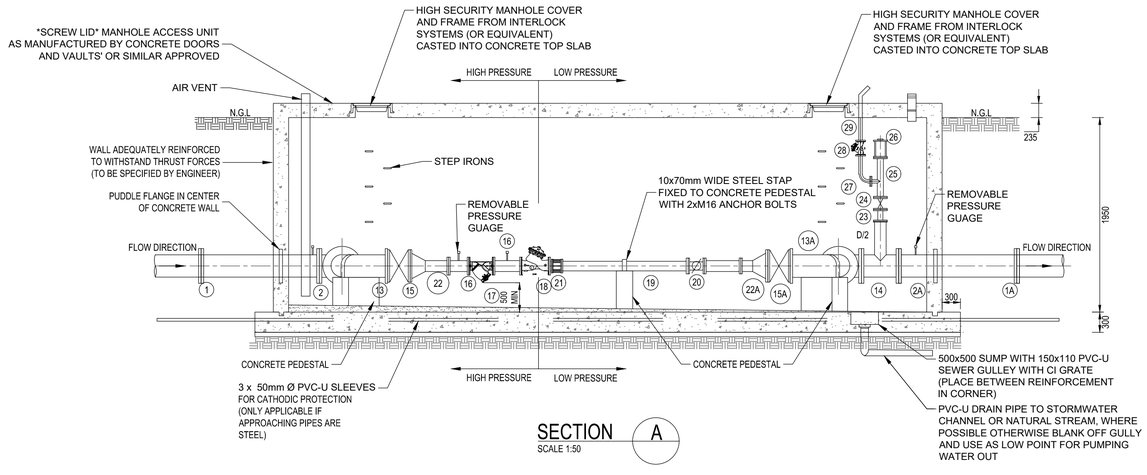
ANNEXURE B

Updated Tender Drawing



LAYOUT PLAN OF TYPICAL PRESSURE REDUCING VALVE CHAMBER (315 / 355mm Ø)

NOT TO SCALE



SECTION A

SCALE 1:50

TYPICAL STEEL PIPE FITTINGS AND ITEMS (355/315mm Ø PIPE)

ITEM NR.	DESCRIPTION	NR. OFF	DIMENSIONS	ITEM NR.	DESCRIPTION	NR. OFF	DIMENSIONS
1	355/315 Ø FLANGE ADAPTOR PIPE, FITTING WELDED TO INCOMING STEEL LINE - FLANGE TO SANS 1123 - 2500/3 FOR OTHER PIPE MATERIALS	1		20	150 Ø MEINECKE TURBINE COSMOS WPD WATER METER, PN16. BOTH ENDS FLANGE TO SANS 1123 - 1600/3 (OR EQUIVALENT)	1	
2	355/315 Ø x 1790 LONG STEEL PIPE WITH PUDDLE FLANGE. UPSTREAM END PLAIN FOR STEEL BOTH ENDS FLANGE FOR OTHER MATERIALS (FLANGES TO SANS 1123 - 2500/3)	1	1790; 1125; 665	21	150 Ø STEEL RESTRAINED COUPLING SUCH AS KLAMFLEX RESTRAINED FLANGE ADAPTOR, OR EQUIVALENT, PN16. FLANGED TO SANS 1123 - 1600/3)	1	
				22	300 Ø x 150 Ø STEEL REDUCER, BOTH ENDS FLANGED TO SANS 1123 - 2500/3	1	280; 200; 680
3	355/315 Ø x 355/315 Ø STEEL TEE WITH ALL ENDS FLANGED TO SANS 1123 - 2500/3	1	470; 470	23	200 Ø x 100 Ø STEEL REDUCER, BOTH ENDS FLANGED TO SANS 1123 - 1600/3	1	
4	355/315 Ø x 200 Ø STEEL REDUCER WITH BOTH ENDS FLANGED TO SANS 1123 - 2500/3	1		24	100 Ø RSV GATE VALVE, PN16, WITH HAND WHEEL AND ANTI CLOCKWISE CLOSING TO SANS 664. BOTH ENDS FLANGED TO SANS 1123 - 1600/3	1	
5	355/315 Ø GATE VALVE. PN25. WITH HAND WHEEL AND ANTI-CLOCKWISE CLOSING TO SANS 664, BOTH ENDS FLANGED TO SANS 1123 - 2500/3	1		25	100 Ø x 50 Ø STEEL REDUCING TEE WITH ALL ENDS FLANGED TO SANS 1123 - 1600/3	1	200
6	200 Ø STEEL STRAIGHT WITH BOTH ENDS FLANGED TO SANS 1123 - 2500/3	1	300	26	100 Ø VAG DUCJET AIR RELEASE & VACUUM BREAK VALVE PN16, FLANGED TO SANS 1123 1600/3, (OR SIMILAR APPROVED)	1	
7	200 Ø BERMAD 70F STRAINER, PN25, STAINLESS STEEL SCREEN & BASKET, ENDS FLANGED TO SANS 1123 - 2500/3 (OR SIMILAR APPROVED)	1		27	50 Ø x 90° STEEL BEND WITH BOTH ENDS FLANGED TO SANS 1123 - 1600/3	1	125; 125
8	200 Ø BERMAD PRESSURE REDUCING VALVE COMPLETE WITH LOW FLOW ADAPTOR, OR SIMILAR APPROVED, PN25, ENDS FLANGED TO SANS 1123 - 2500/3	1		28	50 Ø BERMAD 73Q QUICK PRESSURE RELIEF VALVE COMPLETE, PN16, ENDS FLANGED TO SANS 1123 - 1600/3. (OR SIMILAR APPROVED)	1	
9	200 Ø STEEL STRAIGHT ONE END FLANGED TO SANS 1123 - 2500/3 ONE END FLANGED TO SANS 1123 - 1600/3	1	1800	29	50 Ø STEEL PIPEWORK COMPLETE TO OUTSIDE OF CHAMBER THROUGH 80 Ø DUCK IN CONCRETE. CONNEC TO QUICK PRESSURE RELIEF VALVE'S DISCHARGE END, ONE END FLANGED TO SANS 1123 - 1600/3	1	1 x (ALL FITTINGS)
10	200 Ø MEINECKE TURBINE COSMOS WPD WATER METER, PN16, BOTH ENDS FLANGED TO SANS 1123 - 2500/3 (OR SIMILAR APPROVED)	1		1A	355/315 Ø FLANGE ADAPTOR PIPE, FITTING WELDED TO INCOMING STEEL LINE - FLANGE TO SANS 1123 - 1600/3 FOR OTHER PIPE MATERIALS	1	
11	355/315 Ø x 200 Ø STEEL REDUCER, BOTH ENDS FLANGED TO SANS 1123 - 2500/3	1	200	2A	355/315 Ø x 1790 LONG STEEL PIPE WITH PUDDLE FLANGE. UPSTREAM END PLAIN FOR STEEL BOTH ENDS FLANGE FOR OTHER MATERIALS (FLANGES TO SANS 1123 - 1600/3)	1	1790; 1125; 665
12	200 Ø STEEL RESTRAINED COUPLING SUCH AS KLAMFLEX RESTRAINED FLANGE ADAPTOR, OR EQUIVALENT. PN16, FLANGED TO SANS 1123 - 1600/3	1					
13	355/315 Ø x 90° LONG RADIUS STEEL BEND WITH BOTH ENDS FLANGED TO SANS 1123 - 2500/3	1	315; 315	3A	355/315 Ø x 355/315 Ø STEEL TEE WITH ALL ENDS FLANGED TO SANS 1123 - 1600/3	1	630; 630; 470; 470
14	355/315 Ø x 200 Ø STEEL TEE WITH ALL ENDS FLANGED TO SANS 1123 - 1600/3	1		4A	355/315 Ø x 200 Ø STEEL REDUCER WITH BOTH ENDS FLANGED TO SANS 1123 - 1600/3	1	
15	355 Ø RSV GATE VALVE, PN25, WITH HAND WHEEL AND ANTI-CLOCKWISE CLOSING TO SANS 664. BOTH ENDS FLANGED TO SANS 1123 - 2500/3	1		5A	355/315 Ø GATE VALVE. PN16. WITH HAND WHEEL AND ANTI-CLOCKWISE CLOSING TO SANS 664, BOTH ENDS FLANGED TO SANS 1123 - 1600/3	1	
16	150 Ø STEEL STRAIGHT WITH BOTH ENDS FLANGED TO SANS 1123 - 2500/3	1	300	11A	355/315 Ø x 200 Ø STEEL REDUCER, BOTH ENDS FLANGED TO SANS 1123 - 1600/3	1	
17	150 Ø BERMAD 70F STRAINER, PN25, STAINLESS STEEL SCREEN & BASKET, ENDS FLANGED TO SANS 1123 - 2500/3 (OR SIMILAR APPROVED)	1		13A	355/315 Ø x 90° LONG RADIUS STEEL BEND WITH BOTH ENDS FLANGED TO SANS 1123 - 1600/3	1	315; 315
18	150 Ø BERMAD FLAT DISK PRESSURE REDUCING VALVE PN25. ENDS FLANGED TO SANS 1123 - 2500/3 (OR SIMILAR APPROVED)	1		15A	355/315 Ø RSV GATE VALVE, PN16, WITH HAND WHEEL AND ANTI-CLOCKWISE CLOSING TO SANS 664, BOTH ENDS FLANGED TO SANS 1123 - 1600/3	1	
19	150 Ø STEEL STRAIGHT ONE END FLANGED TO SANS 1123 - 2500/3 ONE END FLANGED TO SANS 1123 - 1600/3	1	MIN 50 x 1500; DETERMINE ON SITE	22A	355/315 Ø x 150 Ø STEEL REDUCER, BOTH ENDS FLANGED TO SANS 1123 - 1600/3	1	280; 200; 680

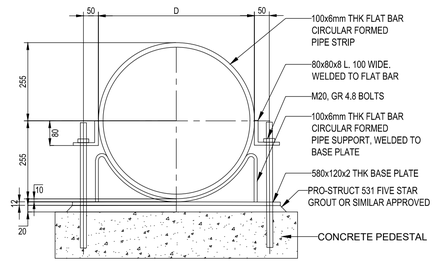
NOTES AND SPECIFICATIONS

GENERAL

1. ALL MATERIAL AND WORKMANSHIP MUST COMPLY WITH THE REQUIREMENTS OF THE LATEST RELEVANT SANS STANDARD
2. ALL DIMENSIONS ARE IN mm (UNLESS OTHERWISE SPECIFIED)
3. DO NOT SCALE FROM THESE DRAWINGS
4. ALL DIMENSIONS TO BE CHECKED AND APPROVED ON SITE
5. ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS, THIRD EDITION 2005 AND THE STANDARD COT DETAIL DRAWINGS
6. THESE DRAWINGS MUST BE READ IN CONJUNCTION WITH THE STANDARD DRAWINGS (IF APPLICABLE)
7. THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS, SERIES 4
8. THE SIGNATURE OR INITIALS ON THIS DRAWING OF ANY DIRECTOR OF THE WATER AND SANITATION DEPARTMENT, IN NO WAY, REMOVES ANY RESPONSIBILITY WHATSOEVER FROM THE CONSULTANT
9. THE CONSULTANT REMAINS RESPONSIBLE TO ENSURE THAT ALL THE GUIDELINES, STANDARD DRAWINGS, STANDARDS AND SPECIFICATIONS OF THE WATER AND SANITATION DEPARTMENT HAVE BEEN MET AND ARE COMPLIED WITH
10. FINAL POSITION OF SERVICES TO BE DETERMINED ON SITE

PARTICULAR

1. THIS DRAWING SHOWS THE TYPICAL LAYOUT OF THE PIPING AND FITTINGS REQUIRED FOR A PRV CHAMBER.
2. EACH INDIVIDUAL CHAMBER SHALL BE PROPERLY DESIGNED BY A COMPETENT PERSON
3. PRV CHAMBERS SHALL BE APPROVED BY THE EXECUTIVE DIRECTOR : WATER AND SANITATION BEFORE CONSTRUCTION
4. ALL VALVE TYPES AND FITTINGS MUST BE APPROVED BY THE ENGINEER
5. T-PIECES MAY REQUIRE REINFORCEMENT USING WRAPPER PLATES TO INCREASE WALL THICKNESS OR CROTCH PLATES TO COMPENSATE FOR RIGIDITY LOST DURING MANUFACTURE. THE DESIGN OF THE FITTING SHALL BE DONE IN ACCORDANCE WITH AWWA M11



TYPICAL PIPE SUPPORT DETAIL

SCALE 1:10

NOTES / LEGEND

APPROVED BY COUNCIL / CLIENT

CITY ENGINEER / CLIENT — 20170266 REG. NO. — 11/05/2026 DATE

AMENDMENTS CODE

A,B,C... / : BEFORE TENDER
T0 / : TENDER DRAWING
0,1,2,3../ : AFTER TENDER
Z / : AS BUILT

IA : BY CLIENT
IB : BY ARCHITECT
IC : BY MECHANICAL OR ELECTRICAL
ID : BY BVI
IE : BY OTHER ( )

DATE	INITIAL	No./CODE	REVISION DESCRIPTION
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02/11/2026	L.M	T1/D	DETAIL REVISED

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Visit or contact us online at www.bvigroup.co.za

PROVINCE	OFFICE		E-MAIL
Gauteng	Tshwane	(012) 940-1111	pta@bvigp.co.za
	Polokwane	(015) 291-5400	pl@bvilp.co.za
Free State	Bloemfontein	(051) 447-2127	bfn@bvifs.co.za
	Welkom	(057) 353-2499	welk@bvifs.co.za
Northern Cape	Upington	(054) 337-6600	upn@bvinc.co.za
	Springbok	(027) 712-3814	spk@bvinc.co.za
KwaZulu Natal	Durban	(031) 266-8382	dbn@bvikn.co.za
	Empangeni	(035) 772-6112	emp@bvikn.co.za
Eastern Cape	Port Elizabeth	(041) 373-4343	bviec@mweb.co.za
	East London	(043) 735-3899	BE@bviec.co.za
Western Cape	Cape Town	(021) 527-7000	cpt@bviwc.co.za

PROJECT

THE CONSTRUCTION OF POLKADRAAI WATER SUPPLY SCHEME: PHASE 02

DRAWING TITLE

POLKADRAAI 355/315mm DIA PRESSURE REDUCING VALVE CHAMBER DETAIL

APPROVED BY BVI

ENGINEER/TECHNOLOGIST — 20190711 REG. NO. — 02/11/2026 DATE

SCALE	AS SHOWN@A1	DRAWN	L. MOTONG
DESIGNED	L.M/J.duP	CHECKED	J. du PLESSIS

PLAN NUMBER	REVISION NO.	DATE SAVED
33803.01-143-02	T1	2 November 2026

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