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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

The compulsory site meeting was held on 28 October 2026 at the VGK Vlottenburg church, Stellenbosch Kloof Rd, Stellenbosch 11:00, has reference.

NB1 MINUTES OF TENDER CLARIFICATION MEETING

NB1.1 OPENING AND WELCOME

Mr Wade van der Merwe of Stellenbosch Municipality welcomed all attendees to the meeting and presented the tender notice. Following this, the meeting was handed over to Mr Johan du Plessis of BVi Consulting Employer`s Agents, who chaired the proceedings. Mr du Plessis introduced the Client and Consulting Employer`s Agent project team members and provided an overview of the structure and contents of the Tender Document. He then delivered a PowerPoint presentation on the tender requirements, highlighting key sections of the documentation that require careful attention to ensure compliance with the tender submission requirements.

NB1.2 PRESENT

Wade van der Merwe	-	Stellenbosch Municipality
Johan du Plessis	-	BVi Consulting Engineers
Warren Nowell	-	BVi Consulting Engineers
Lebogang Motong	-	BVi Consulting Engineers
Tenderers	-	Refer to Attendance Register attached under **ANNEXURE A**

NB1.3 APOLOGIES

Leon Pienaar	-	BVi Consulting Engineers

NB1.4 DISCUSSION OF TENDER DOCUMENT

The Employer`s Agent gave a brief background of the project along with an explanation of the locality of the proposed construction.

The following relevant clauses in the document were pointed out to prospective Tenderers:

Part T1: Tendering procedures

T1.1-Tender Notice and Invitation to Tender

Part T1 –Section T1.1- Page 2

- Closing time for receipt of tender was indicated at **12:00 on Monday, 16 November 2026.**
- CIDB grading is a 7CE or higher
- Closing venue is at Tender box at the Municipality office Plein street Stellenbosch

No objections were raised regarding the tender closing date, and all attendees indicated that they were familiar with the tender closing procedures. No questions were raised in this regard.

T1.2-Tender Data

The following data was pointed out:

C.2.1	Eligibility
C.2.1.4.1	Construction Industry Development Board (CIDB) Registration
C.2.1.4.2	Minimum Experience Requirements • Company Experience • Relevant Key Personnel experience
C.2.1.4.3	Compulsory clarification meeting
C.2.1.4.4	Good standing with Bargaining Council
C.2.16	Tender offer validity
C.2.23.2	Broad-Based Black Economic Empowerment
C.3.11	Evaluation of tender offers

The preferential points system applied is as follows: **90/10 or 80/20** in terms of the approved policy.

Price	**90**		**80**
B-BBEE status level of contribution	**10**	**OR**	**20**
Total points for Price, B-BBEE and locality	**100**		**100**

Part T2: Returnable documents

The returnable schedules were pointed out and the Employer`s Agent confirmed that everyone is familiar with the information that is required. These are to be completed to assist in evaluation.

Part C1: Agreements and Contract Data

C1.1-Form of Offer and Acceptance

The Form of Offer and Acceptance must be fully completed and signed. Failure to do so shall render the tender non-responsive.

C1.2-Contract Data

Part 1:
The following Contract Data items were pointed out and discussed:

Defects Liability Period (Clause 1.1.1.13)	12 calendar months
Time for achieving Practical Completion (Clause 1.1.1.14)	50 calendar months
Non-working days (Clause 5.8.1)	All gazetted public holidays in South Africa Year end break as published by SAFSEC Sundays
Penalties (Clause 5.13.1)	R15,000 per calendar day
Performance Guarantee (Clause 6.2.1)	10% of Contract Sum
Retention (Clause 6.10.3)	10% of Payment Certificates
Variation in the cost of special materials (Clause 6.8.3)	HDPE

Part C2: Pricing data

C2.1 -Pricing Instructions/ Assumptions

The pricing instruction was indicated and all Contractors confirmed that they are familiar and comfortable with the requirements.

C2.2-Bill of Quantities

The Employer`s Agent discussed the Bill of Quantities (BOQ) and pointed out various items in the document that he deemed of importance to the pricing. These included, among others:

SCHEDULE A: PRELIMINARY AND GENERAL
- Traffic accommodation allowance

SCHEDULE B: SITE CLEARANCE
- Clear and grub within road median
- Removal of topsoil to maintain at stockpile area at WWTW

SCHEDULE C: MEDIUM PRESSURE PIPELINES
- Majority of main pipeline will be 450mm diameter HDPE PN 20
- Horizontal Directional Drilling required at road crossings

SCHEDULE D: HORIZONTAL DIRECTIONAL DRILLING
- HDPE Sleeves to be installed and sections where the main pipeline will be pulled underneath the road directly.

Part C3: Scope of Work

All relevant information in the Scope of Work section was pointed out. These sections included:

- C3.1 - Description of the Works
- C3.2 - Engineering / Design
- C3.3 - Procurement
- C3.4 - Construction
- C3.5 - Management
- C3.6 - Annexes

Part C3.1: Description of Works

The scope of works was explained to the tenderers.

Part C3.2: Engineering / Design

The Employer`s Agent pointed out the drawing list. Drawings will be shared via a Dropbox link. Proof of payment to be sent to Johan du Plessis, which will then share the link.

Part C3.4: Construction

The Employer`s Agent indicated that the applicable standard specification as well as the project specific specifications.

Traffic Accommodation	Contractor to adhere to the Traffic Accommodation Layout Drawings provided in the Tender Document.

Health & Safety	Contractor to adhere to the Health & Safety Specification provided in the Tender Document by Safe Working Practice.
Environmental	Contractor to adhere to the Construction Environmental Management Programme by Cornerstone Environmental Consultants provided in the Tender Document.
Geotechnical Conditions	Contractor to refer to the Geotechnical Report by Gondwana provided in the Tender Document.
Water	Make allowance for a standpipe and water meter from the existing municipal water network at site office.
Electricity	Make allowance for a connection from the existing municipal electrical network, generators or solar.
Other contractors	No other contractors will be on this site.
Site office	A site office and stockpile area will be made available to the Contractor at the Stellenbosch Wastewater Treatment Works (WWTW) at no cost to the Contractor. The Contractor shall keep the allocated area neat, orderly, and free from litter at all times. Upon completion of the Works and de-establishment, the Contractor shall restore the area to a clean and satisfactory condition to the approval of the Employer. The Contractor shall be solely responsible for the security of all personnel, plant, equipment, materials, and facilities associated with the site establishment and shall make all necessary allowances in the Contract Price for the provision and maintenance of such security.
Targeted Labour	"Target area" means Wards 7,8,9,10 and 11 of Stellenbosch Municipality. Targeted labour" means unskilled labour.
Community Liaison Officer	CLO required to assist with local labour

Part C4: Site Information

The Employer`s Agent pointed out the Geotechnical Investigation results as attached to the Tender Document.

NB 2 QUESTIONS AND DISCUSSIONS:

Some questions and discussion were raised, and notes and comments were noted as below:

NB1.5.1 QUESTIONS

Q1. For company experience, two projects are stated, but with a numerical (3) behind the word. What is the correct number of projects required?

A1.
Three (3) Project will be required. This page will be replaced.

Q2. Is the minimum pipeline length of 2km per project listed of for all projects listed?

A2.
The 2km pipeline length will be required for the cumulative length of the tenderers' projects listed and not per project.

Q3. Must the required pipeline project only be bulk water reticulation main or can a sewer rising main also be submitted as a project?

A3.
Bulk sewer rising main HDPE pipeline projects will also be accepted.

Q4. The PRV chamber drawing does not have dimensions to price it on. Can dimensions be added or quantified items be updated in the schedule of quantities?

A4.
Drawing will be updated. Drawing no. *33803.01-143-02 RevT1* will be updated and shared with all tenderers on the shared Dropbox folder under drawings.

Q5. Will there be any charges by the Municipality for obtaining municipal wayleaves?

A5.
No charges for municipal way leaves.

Q6. Can the geotechnical report be made available in electronic format?

A6.
The Geotech report will be shared with all tenderers on the shared Dropbox folder.

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)*

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NB3.2 C3.4 CONSTRUCTION

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

DIRECTOR CORPORATE SERVICES ***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

ATTENDANCE REGISTER
CLARIFICATION MEETING @ 10H00 ON 28 OCTOBER 2026

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TENDER NO. B/SM 25/27
THE CONSTRUCTION OF POLKADRAAI WATER SUPPLY SCHEME PHASE 2

ATTENDANCE REGISTER FOR SITE CLARIFICATION MEETING
28 OCTOBER 2026 AT 11:00

bvi 50 YEAR CELEBRATION EST 1967 2017
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NAME	ORGANISATION	TEL NR.	FAX NR.	CELL NR.	SIGNATURE	E-MAIL
1. TRAVIS AUSTEN	ICON CONSTRUCTION	0831003 0000	0815025433	0785091925		tenders@iconconstruction.
2. TERRENCE NYATHI	KAYALIHLE TRADING JV	0826367510	—	0826367510		tenders@kayalihletrading.co.za
3. Riaan Beers	Umzali Civils	0605041626	—	0715836309 0605041626		Tenders@umzalicivils.co.za
4. Yanga Twazi	Stefanutti Stocks	0837476565	-	0218346700		tenders.wc@stefstocks.com
5. CAMPBELL NONYA	EYETHU PROJECTS & PLANT HIRE	0797842345	-	0797842345		CAMPBELL@EYETHUSERVICES.CO.ZA
6. Thabang Thulo	Siyabusa Resources	0838808898	—	0838808898		INFO.siyabusaresources@gmail.com
7. Dave Ward	civils 2000	021 713 0129 072 317 6034	—	072 317 6034		tenders@civils2000.co.za
8. MARKO MARAIS	AFRILINE CIVILS	021 949 8883 084 580 4393	—	084 580 4393		marko@afriline.co.za
9. Dineo Hlongwane	GECG, SMEG, AMG JV	0656009269	—	0656009269		moses@amgconnekt.co.za
10. Evert Alberts	JVZ Construction	0823636583	-	0823636583		evert@jvzconstruction.co.za
11. MASAKANE MBALI	SESIBUYILE PROJECTS	0713638649	—	0846023683		mbali.masakane@gmail

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TENDER NO. B/SM 25/27
THE CONSTRUCTION OF POLKADRAAI WATER SUPPLY SCHEME PHASE 2

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28 OCTOBER 2026 AT 11:00

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NAME	ORGANISATION	TEL NR.	FAX NR.	CELL NR.	SIGNATURE	E-MAIL
12. LUKHOLO NYOKA	MABHIJA CONSTRUCTION	0815495669	—	0815495669		nyokasteve@gmail.com
13. ROMANO ROBERTSON	RSG ENGINEERING	0731918943	—	0731918943		rmposi@rsgeng.co.za
14. Kumeshin Sinagan	Siya Bonga Construction	0690416094	—	0690416094		Admin@siyabonga construction.co.za
15. Mukwasha	Vector Cor	064 788 0414	—	064788 0414		tenders@Vpartners.co.za
16. ~~Kuhle Ndeya~~	~~NSN Building and Civil~~	~~0645406297~~	—	~~0645406297~~		~~ndinanisisanda@gmail.com~~
17. Munya Chitauro	Munachi (Pty) Ltd	071 8773208 066 052 7307	—	066 052 7307		admin@munachi.co.za
18. MADODA MAQASHO	EMPIRE AFRIKA GROUP	081 455 2722		081 455 2722		empire.afrikagroup@gmail.com infoafrikagroup@gmail.com
19. CJ Ferreira	NAMMIC WesternCape	021 975 2855		082 9787736		tenders@namcape.co.za
20. H. SCHREUDER	ASLA	021 8458335	—	0726447281		hans@asla.co.za
21. Onthla Njoloza	NSN Building & Civil	0645406297		0645406297		ndinisisanda@gmail.com
22. THOKOZANI Buthelezi	Riendzo Rinene (Pty) Ltd	064 861 7634 079 480 8334		064 861 7634 079 480 8334		INFO@riendzorinene.co.za Phathiwa@riendzorinene.co.za

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NAME	ORGANISATION	TEL NR.	FAX NR.	CELL NR.	SIGNATURE	E-MAIL
23. FRANCOIS ROSSOUW	MARTIN & EAST	021 761-3474	021 797 0659	083 236 0119		TENDERS@MEGROUP.CO.ZA
24. B.T DUMA	ON POINT ON TIME SOLUTIONS	063 842 2457	086 [illegible]	063 842 2457		tenders@onpointontime.co.za
25. JIMMY MATLAILA	MATLAILAS CONSTR	083 454 8157		083 454 8157		JIMMYMATLAILA@YAHOO.COM
26. DONALD KEKANA	DZIVHA CIVILS	076 937 7240		076 937 7240		admin@dzivha.co.za
27. Zané Burden	AVK Valves	082 877 4654		"		zane@avkvalves.co.za
28. Willem Jansen	Southern Oceaneering	083 254 4156		" "		willem@southernoceaneering.co.za.
29. Dimi seni Ndhlovu	Turcron Projects	076 827 5527				info@turcron.co.za.
30. Hole Wen	Aeng A	063 686 8287				[illegible]@AENGA.CO.ZA
31. Bheki Qwabe	More Kri Distributors	016 362 4162		084 658 5715		sales@morekrisolutions.co.za
32. Andrew Pienaar	Mainline Civil Eng	021 461 7399		082 453 9196		ANDY@MAINLINESA.CO.ZA
33. V MALIBONGWE TALAMANGE	Vitalmangé Trading	082 084 7214		082 084 7214		bkqwabe@gmail.com
34. Dallon Palmer	Amandla Construction	021 981 7070	~~021 981~~	071 636 9283		mel@AmandlaConstruction.co.za

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TENDER NO. B/SM 25/27
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NAME	ORGANISATION	TEL NR.	FAX NR.	CELL NR.	SIGNATURE	E-MAIL
35. E.J. LATEGAN	BASELINE CIVIL CONTRACTORS	021 905 2545	0219052545	071 678 5492		info@baseline co.za
36. D'HEIL HENN	NALEDI TRADING	076 958 4650				naledicape@gmail.com
37. M RATAU	BO MAMOHLAKA Projects	082 346 3716		082 346 5716		DRMOHLAKA1@GMAIL.COM
38. A. ASHLEY-JAMES	AMS CIVILS	0817677810	—	0817578895		ashley@amscivils.co.za
39. N. Nkabinde	Planet Earth Construction	061 400 2377	—	076 949 8282		info@planetearthsci.com
40. B. Quickfall	WCB Group	0622159611		0622159611		bryan@wcbgroup.co.za
41. A. POSPIECH	CSV CONSTRUCTION	0828991119		0828991119		TENDERS@CSVCONSTRUCTION.co.za
42. J. Du Plessis	BVi Consulting	0825618697	—	—		johandp@bviwc.co.za
43. W. NOWELL	" "	083 980 4010	—	—		warrenn@bviwc.co.za
44. Lebogang Motang	Bvi Consulting	062 088 4592	—	—		Lebogangm@bviwc.co.za
45. Wade van der Merwe	Stellenbosch Municipality				Present	
46.						

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TENDER NO. B/SM 25/27
THE CONSTRUCTION OF POLKADRAAI WATER SUPPLY SCHEME PHASE 2

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28 OCTOBER 2026 AT 11:00

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• ENGINEERING • PROCUREMENT • MANAGEMENT

NAME	ORGANISATION	TEL NR.	FAX NR.	CELL NR.	SIGNATURE	E-MAIL
47. Reinhardt Maritz	Ruwacon	082 451 8858				infra.tenders@ruwacon.co.za
48. Schalk van Schalkwyk	Exceo Khobela Civil Engineering	082 550 0902				Schalk@exceo.co.za
49.						
50.						

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ANNEXURE B

PowerPoint Presentation

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28 OCTOBER 2026

TENDER NO.: B/SM 25/27

THE CONSTRUCTION OF POLKADRAAI WATER SUPPLY SCHEME: PHASE 2

AGENDA

- INTRODUCTIONS
- LOCALITY
- TENDER DATA
- SCOPE OF WORKS
- TENDER INFORMATION
- CONTRACT DATA
- CONSTRUCTION ASPECTS
- PRICING AND SPECIFICATIONS
- SUBMISSION OF TENDER
- QUESTIONS

INTRODUCTIONS

- **EMPLOYER : STELLENBOSCH MUNICIPALITY**
  - WADE VAN DER MERWE (Project Management Unit)
  - ZENAZI NOBAVU (SCM)

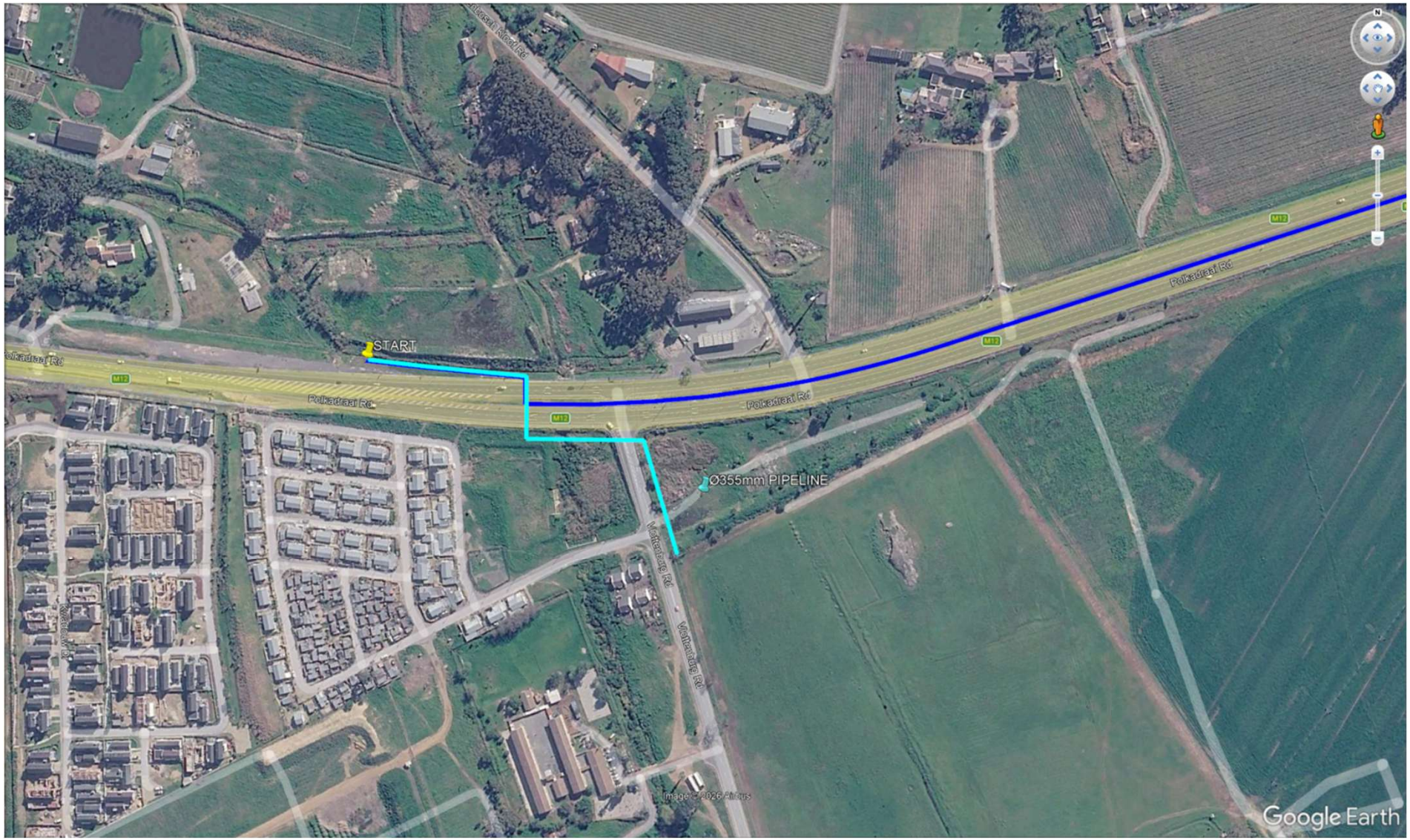
- **EMPLOYER'S AGENT – BVi CONSULTING ENGINEERS**
  - LEON PIENAAR
  - JOHAN DU PLESSIS
  - WARREN NOWELL
  - LEBOGANG MOTONG

- **OTHER PARTIES**
  - ENVIRONMENTAL CONTROL OFFICER : CORNERSTONE ENVIRONMENTAL CONSULTANTS
  - HEALTH & SAFETY OFFICER: SAFE WORKING PRACTICE
  - WCG

LOCALITY - OVERALL



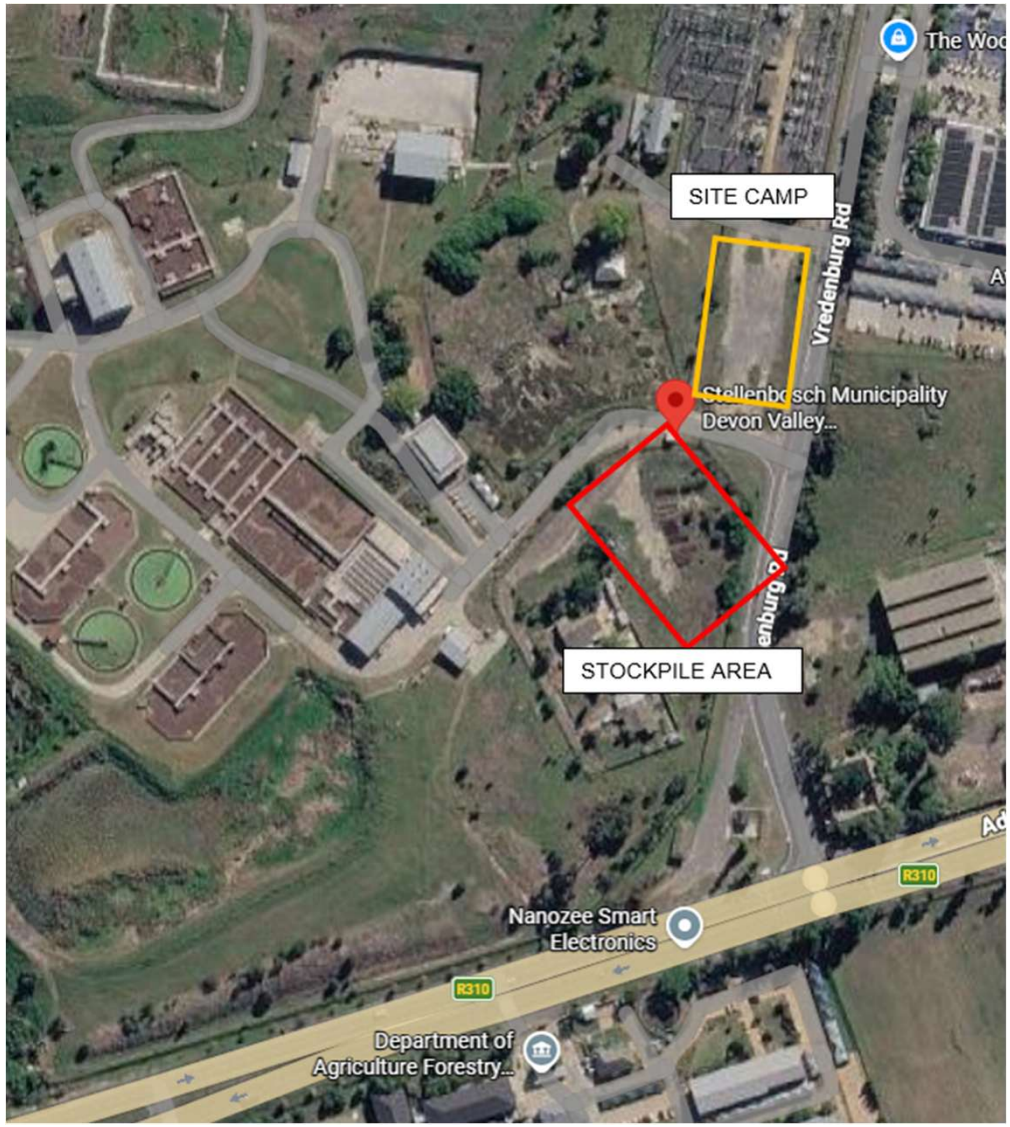
LOCALITY - START



LOCALITY - END



SITE OFFICE LOCATION



TENDER DATA

C.1 General

Contract Documentation Structure

Volume 1	General Conditions of Contract (GCC 2015) SAICE General Conditions of Contract for Construction Works, Third Edition (2015)
Volume 2	SANS 1200 Standardized Specifications for Civil Engineering Construction
Volume 3	Tender Document Complete tender documentation and returnable schedules
	Part T1: Tendering Procedures
	Part T2: Returnable Documents
	Part C1: Agreements and Contract Data
	Part C2: Pricing Data
	Part C3: Scope of Work
	Part C4: Site Information
Volume 4	Engineering Drawings listed under C3.2

TENDER DATA

C.2.1 Eligibility

C.2.1.4.1 Construction Industry Development Board (CIDB) Registration

Only those tenderers who are registered with the CIDB, or capable of being so prior to the evaluation of submissions, in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) or 25 (7A) of the Construction Industry Development Regulations, for a **7CE** class of construction work, are eligible to have their tenders evaluated.

C.2.1.4.2 Minimum Experience Requirements

- Company Experience
- Relevant Key Personnel Experience

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 two (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** (Ten 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**.

B. Relevant Key Personnel experience

1. **Contracts Manager**

   The proposed Contracts Manager shall:

   Hold a minimum qualification of a National Diploma in Civil Engineering (NQF Level 6) or equivalent, and
   have not less than ten (10) years' relevant experience in the construction of civil engineering works of a similar nature and complexity, with a minimum of three years' experience as a Contract Manager.

2. **Construction Manager**

   The proposed Construction Manager shall:

   Hold a minimum qualification of a National Diploma in Civil Engineering (NQF Level 6) or equivalent, and
   Have not less than ten (10) years' relevant experience in the construction of civil engineering works of a similar nature and complexity.

3. **General Foreman**

   The proposed General Foreman shall:

   Have not less than eight (8) years' relevant experience in the construction of civil engineering works of a similar nature and complexity.

Documentation Requirements
The tenderer shall submit detailed Curriculum Vitae (CV's) for all proposed key personnel in Returnable **Schedule 13.**

Each CV shall clearly indicate:

   i. Qualifications
   ii. Relevant project experience
   iii. Role and responsibilities on previous projects
   iv. Duration of involvement in each project

Non-Responsiveness
Failure to provide personnel meeting the above minimum requirements; or
Submit detailed CVs for all proposed key personnel as part of Returnable **Schedule 13**, may result in the tender bid being deemed non-responsive.

TENDER DATA

C.2.1.4.3 Compulsory clarification meeting

Only those tenders submitted by tenderers whose attendance at this meeting have been recorded, will be declared responsive.

C.2.1.4.4 Good standing with Bargaining Council

Only those tenders submitted by tenderers who are in good standing with the Bargaining Council for the Civil Engineering Industry (BCCEI) at the time of the tender award will be declared responsive. Tenderers must attach such proof to the schedule titled Declaration in Respect of Compliance with Labour Legislation or obtain such upon being requested to do so in writing and within the period contained in such a request, failing which their tenders will be declared non-responsive.

C.2.16 Tender offer validity

The tender offer validity period is **180 calendar days**.

TENDER DATA

C.2.23.2 Broad-Based Black Economic Empowerment

In order to qualify for preference points for Specific Goals, it is the responsibility of the tenderer to submit documentary proof, as either certificates, sworn affidavits or any other requirement prescribed in terms of the B-BBEE Act or any other legislation relevant for the points claimed for that specific goal.

C.3.11 Evaluation of tender offers

	POINTS	POINTS
PRICE	80	90
B-BBEE STATUS LEVEL OF CONTRIBUTOR	20	10
Total points for Price, BBBEE and Locality (must not exceed 100)	**100**	**100**

C.4.7 Price variations

No escalation applicable. Only Rise and fall will be applicable to HDPE

SCOPE OF WORKS

Bulk Water Reticulation

Pipelines

Main Pipeline:

450mm diameter HDPE PE100 (PN20)

Secondary Pipelines:

110mm to 400mm diameter HDPE PE100 (PN12.5)



Valves and Chambers

Isolation valves, Air valves, Scour valves, PRV valves and Fire hydrants

Specials and Fittings

HDPE bends

HDPE tees

HDPE reducers

HDPE stub flanges and Stainless steel backing rings

SCOPE OF WORKS

Trenchless Excavation

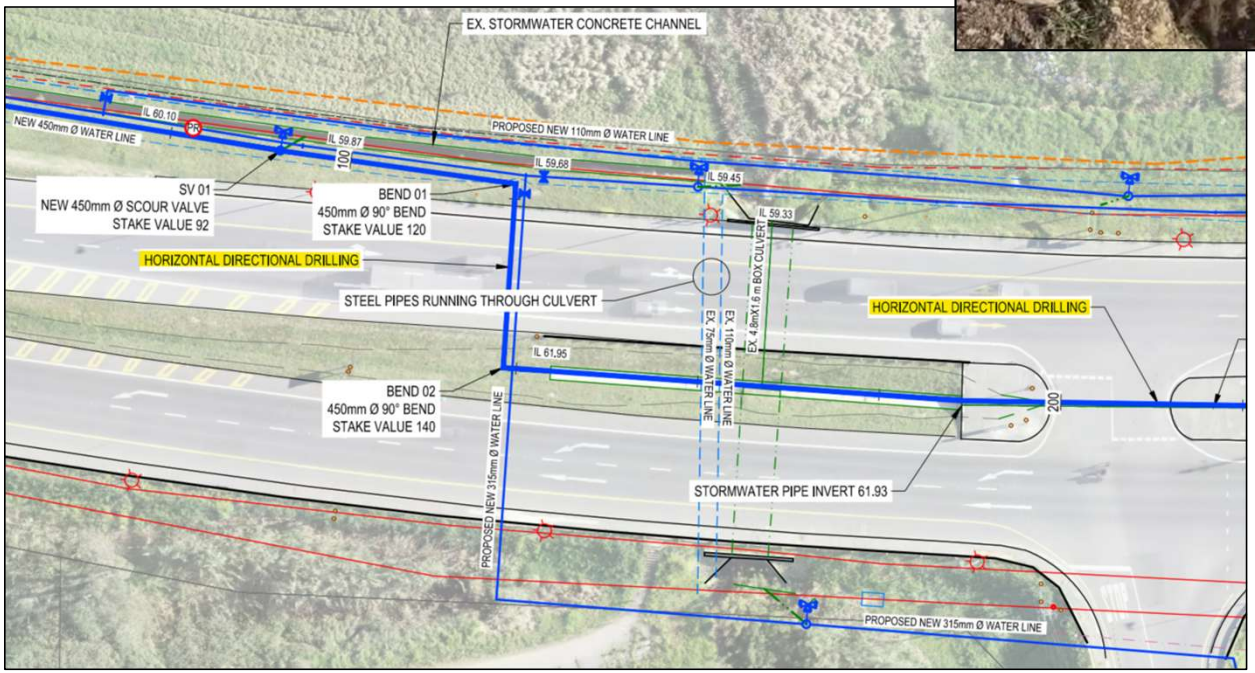


Horizontal Directional Drilling (HDD)

40m x 560mm diameter HDPE PN10 sleeves for main pipe

360m x 710mm diameter HDPE PN6.3 sleeves for main pipe

380m of 450mm diameter HDPE PN20 (Direct installation)



TENDER INFORMATION

• **Tender Advertised**	:	17 October 2026
• **Clarification Meeting**	:	28 October 2026, Compulsory
• **Tender Closing Date**	:	16 November 2026
• **Tender Closing Time**	:	12:00
• **Tender Closing Venue**	:	Tender Box at the Municipality Office, Plein Street, Stellenbosch *The Tender Box is only accessible during normal office hours*
• **Tender Validity Period**	:	180 calendar days
• **Evaluation of Tenders**	:	Preferential Procurement Regulations and SCM Policy • 80 Price / 20 BBBEE OR • 90 Price / 10 BBBEE
• **Responsiveness Criteria**	:	Estimated CIDB Grading of 7CE or Higher

CONTRACT DATA

GENERAL CONDITIONS OF CONTRACT FOR CONSTRUCTION WORKS

THE SOUTH AFRICAN INSTITUTION OF CIVIL ENGINEERING

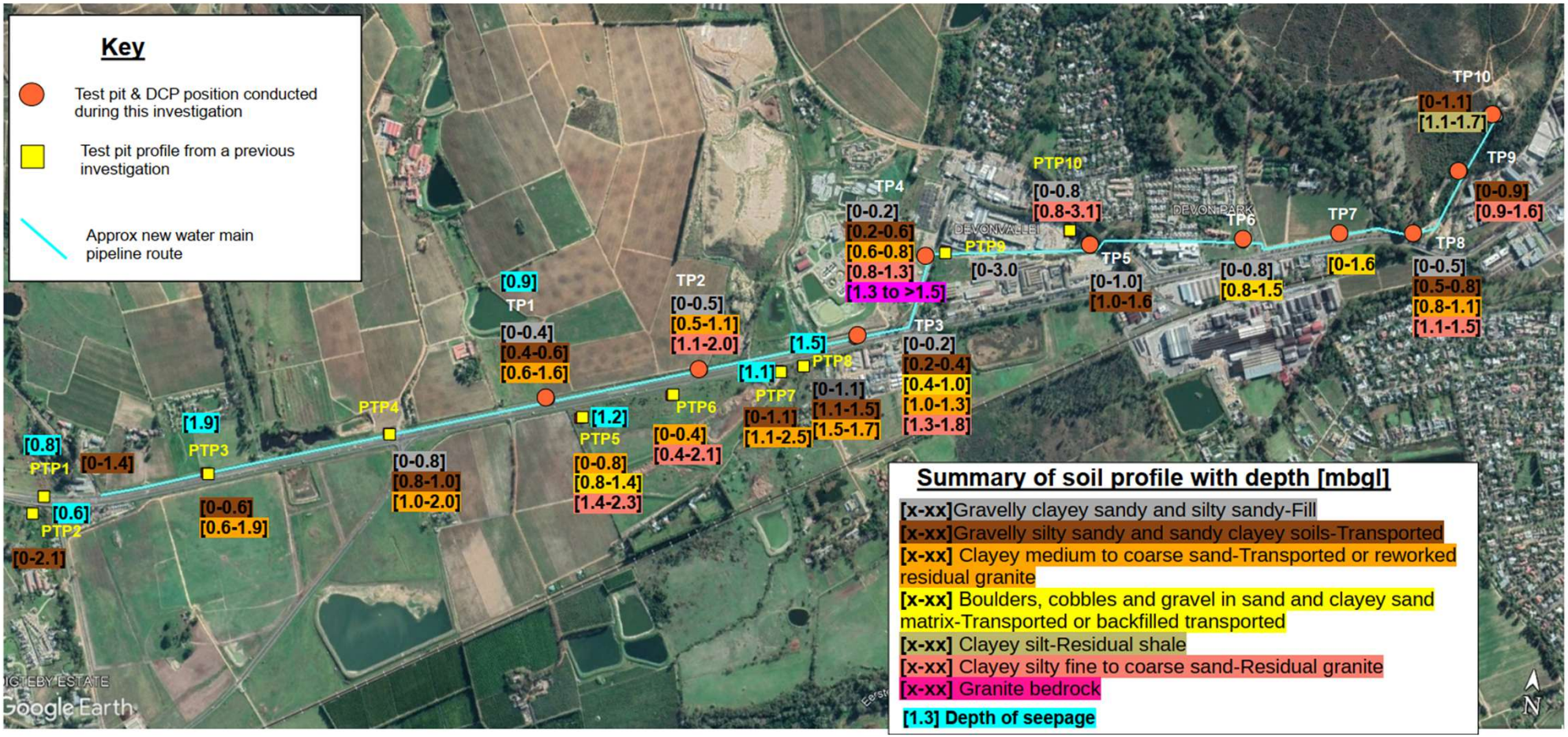
THIRD EDITION (2015)

• **Defects Liability Period (Clause 1.1.1.13)**	12 calendar months
• **Time for achieving Practical Completion (Clause 1.1.1.14)**	50 calendar weeks
• **Non-working days (Clause 5.8.1)**	All gazetted public holidays in South Africa Year end break as published by SAFSEC Sundays
• **Penalties (Clause 5.13.1)**	R15,000 per calendar day
• **Performance Guarantee (Clause 6.2.1)**	10% of Contract Sum
• **Retention (Clause 6.10.3)**	10% of Payment Certificates
• **Variation in the cost of special materials (Clause 6.8.3)**	HDPE

CONSTRUCTION ASPECTS

• **Traffic Accommodation**	Contractor to adhere to the Traffic Accommodation Layout Drawings provided in the Tender Document.
• **Health & Safety** Tender	Contractor to adhere to the **Health & Safety Specification** provided in the Document.
• **Environmental**	Contractor to adhere to the Construction **Environmental Management Programme** by Cornerstone provided in the Tender Document.
• **Geotechnical Conditions**	Contractor to refer to the **Geotechnical Report** by Core Geotechnical Consultants provided in the Tender Document.
• **Water**	Make allowance for a standpipe and water meter from the existing municipal water network.
• **Electricity**	Make allowance for a connection from the existing municipal electrical network.
• **Other contractors**	No other contractors will be on this site.
• **Site office**	Space at Stellenbosch WWTW will be made available for contractor`s site office
• **Community Liaison Officer**	CLO required to assist with local labour.

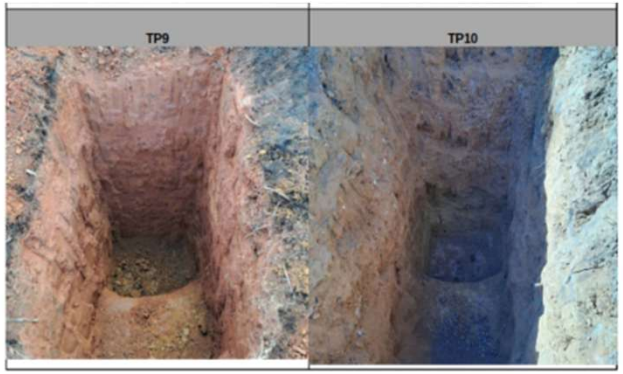
GEOTECHNICAL



GEOTECHNICAL







Soil description	Excavation Classification (according to SANS 1200 D Earthworks Specification
-Fill(uncontrolled and controlled -Transported soils: silty sands, clayey sands, gravelly clayey sands	**Soft excavation** -Conventional plant should provide the most efficient means of excavation -Hand excavation is possible but may experience some difficulty in areas with buried rubble or compacted engineered fill. Use of power tools (breakers) may be required for hand excavation
-Transported bouldery cobbly soils -Residual granite -Residual shale/phyllite	**Soft excavation with occasional zones of Intermediate excavation.** -Conventional plant should provide the most efficient means of excavation. --Hand excavation could be considered but may require the use of power tools (breakers) to loosen the clayey soils and boulders, where encountered, in order to speed up excavation.
Moderately weathered medium hard to hard rock granite bedrock	**Hard Excavation** Blasting/chemical splitting, hydraulic/pneumatic breakers may be required for deeper excavations within the less weathered bedrock. This material was only encountered within 1.0-1.5m of ground level in the area just east of the WWTW (TP4). This bedrock can however be seen outcropping further west, within the WWTW.

PRICING AND SPECIFICATIONS

- **Specifications**
  - SANS 1200
  - C3.4.3 Project Specifications

- **Pricing**
  - **Bills of Quantities are available in electronic format to all attendees**

SCHEDULE A: PRELIMINARY AND GENERAL
SCHEDULE B: SITE CLEARANCE
SCHEDULE C: MEDIUM PRESSURE PIPELINES
SCHEDULE D: HORIZONTAL DIRECTIONAL DRILLING

HOW THE TENDER MUST BE SUBMITTED

Clause C.2.13 — Submitting a tender offer

1 **Hard copy only**

Completed on the issued hard-copy document. No electronic, e-mail, fax or phone submissions are accepted (C.2.13.11).

2 **Sealed & marked**

Sealed envelope marked with the full tender title, number, and the tenderer's name and address.

3 **One copy required**

1 copy of Returnable Schedules (T2.2), Bills of Quantities (C2.2) and all attachments, bound separately where possible (C.2.13.3).

CLOSING TIME & DELIVERY

Tender Notice & Clause C.2.15

12:00

16 November 2026 – strict closing time

X **Avoid**

Electronic/e-mail/fax submission, unmarked or unsealed envelopes, missing B-BBEE/locality proof, or unlisted deviations from tender conditions.

- Deposited in the tender box at Municipal Offices, Plein Street.
- Tenders are opened and made public immediately after closing.
- **Late tenders are not accepted, under any circumstances.**
- Telephone, facsimile and e-mail submissions are not accepted.

QUESTIONS ?



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ANNEXURE C

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 **R5 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						

SCHEDULE C: MEDIUM PRESSURE PIPELINE

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 33803.01-143-03. Chamber measured seperately	No	1		
Total Carried Forward						

SCHEDULE C: MEDIUM PRESSURE PIPELINE

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	800		
	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 throughout the duration of the Contract. The vehicle shall revert to the contractor on the date of the Certificate of Completion.

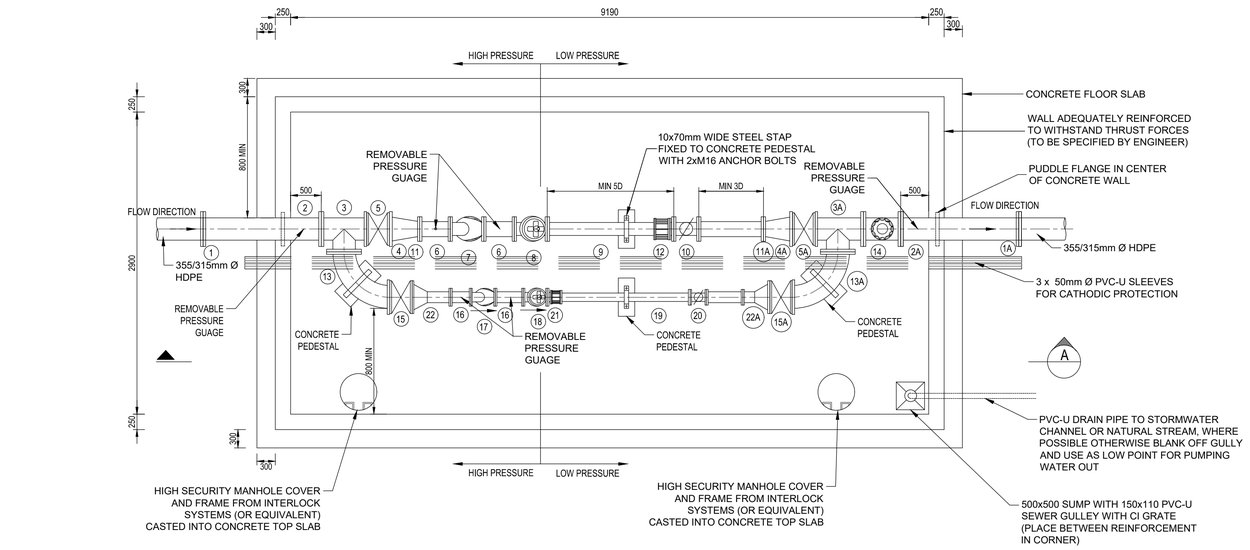
The Contractor shall be in charge to arrange licencing and insurance of vehicle for the duration of the contract.

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

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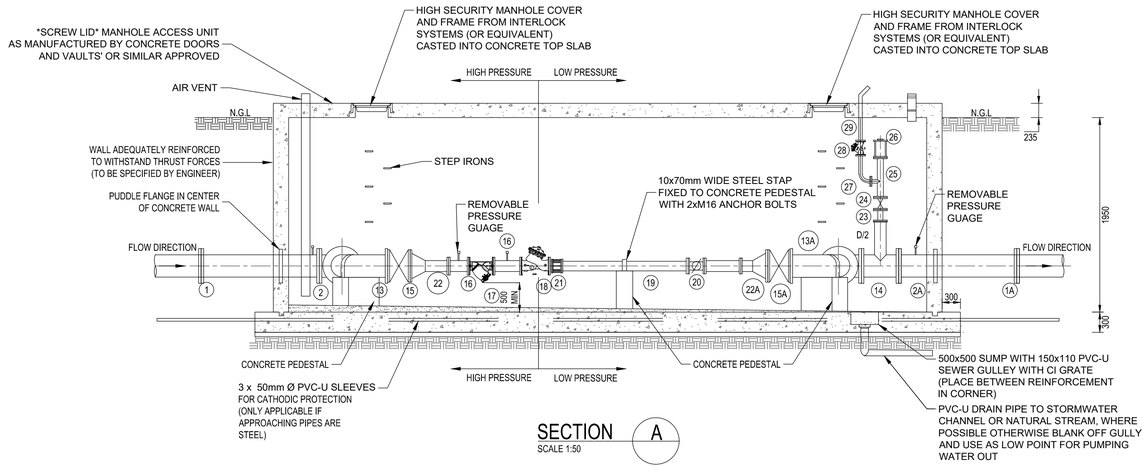
ANNEXURE D

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

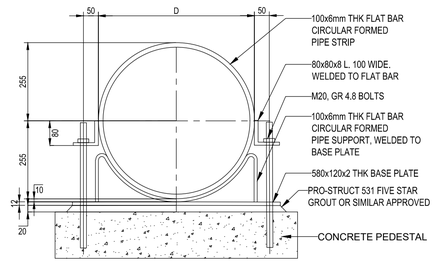
NOTES AND SPECIFICATIONS

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
25/09/2026	L.M	T0/D	ISSUED FOR REVIEW
02/11/2026	L.M	T1/D	DETAIL REVISED

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CLIENT

STELLENBOSCH MUNICIPALITY
STELLENBOSCH - PNIEL - FRANSCHHOEK

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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

33803.01-143 DETAILS REVT1.DWG

0 10 50 100

O:\PROJECTS DRAWINGS\33000 - 33999\33803.01\CIVIL\TENDER DRAWINGS\33803.01-143 DETAILS REVT1.DWG