



MPUMALANGA DEPARTMENT OF HUMAN SETTLEMENTS

GOVAN MBEKI LOCAL MUNICIPALITY



CONTRACT NO: DHD/231/23/MP

**KINROSS EXT.33 & EXT 34- BULK ENGINEERING SERVICES IN
GOVAN MBEKI LOCAL MUNICIPALITY**

VOLUME 1

Prepared for:	Prepared by:
	
<p>Mpumalanga Department of Human Settlements No.7 Government Boulevard Riverside Park, Nelspruit, 1201 Contact Name: Mr P G Mpofu</p>	<p>FT Consultant Civil & Structural Engineers 7 Ehmke Street Mbombela, 1201 Telephone: +27 13 752 8523 Email: stanelymasher@gmail.com</p>

Employer:		Contractor:	
Witness:		Witness:	

PROJECT NUMBER:	DHD/231/23/MP
PROJECT LOCATION:	GOVAN MBEKI LOCAL MUNICIPALITY
PROJECT DESCR:	KINROSS EXT.33 & EXT 34- BULK ENGINEERING SERVICES IN GOVAN MBEKI LOCAL MUNICIPALITY. CIDB GRADE 7CE OR HIGHER

ANNEXURE 1:

**CONTRACTOR COMPETENCY
EVALUATION FORM**

All sections must be answered. Failure to do so may result in your application not being accepted / approved

**DHD/231/23/MP: KINROSS EXT.33 & EXT 34- BULK ENGINEERING SERVICES IN
GOVAN MBEKI LOCAL MUNICIPALITY
CIDB GRADE 7CE OR HIGHER**

CONTRACTOR / PROJECT INFORMATION

SECTION A

CONTRACTOR NAME: _____

ADDRESS: _____

Street Address

City

Country

Mail Code

PHONE NUMBER: _____

()

FAX NUMBER: _____

()

SHE CERTIFICATION : _____

(NAME)

EXPIRY DATE : _____

Comments

SECTION B

CLIENT NAME: _____

DEPARTMENT OF HUMAN SETTLEMENTS

PROJECT NAME: _____

PROJECT / CONTRACT DHD No.: _____

082022

PROJECT LOCATION _____

City

Address

Mail
Code

Comments

SECTION C

FOR ACE USE ONLY

PERSON COMPLETING THE EVALUATION: _____

PHONE NUMBER: _____

()

FAX NUMBER: _____

()

ADDRESS: (If different from above) _____

Street Address

City

State

Zip

TITLE: _____

SIGNATURE: _____

SECTION D

CONTRACTORS' SHE QUALIFICATION QUESTIONNAIRE

INJURY / ILLNESS STATISTICS

USE THE PREVIOUS THREE YEARS' INJURY AND ILLNESS RECORDS TO COMPLETE THE FOLLOWING:

20_____

20_____

20_____

NUMBER TOTAL RECORDABLE CASES

NUMBER OF RESTRICTED WORKDAY CASES

NUMBER OF LOST WORKDAY CASES

NUMBER OF FATALITIES

NUMBER OF EMPLOYEE HOURS WORKED

SHE MANAGEMENT SYSTEM

Yes

No

N/A

Proof
required

1 Does your Company have an SHE Management System? If Yes, then complete subsections 1.1 – 1.2:

1.1 Provide the type(s) / name(s) of the management system(s).

X

1.2 If this is a recognised accredited system, please attach copies of certificates.

X

2 Does your Company have a Safety, Health, and Environmental (SHE) Policy in place that is signed by the supplier's senior management?

X

3 Has your Company identified the specific SHE impacts associated with the products, services or works it provides, and the steps taken to mitigate these impacts?

X

4 Does your Company observe SHE legislation and industry best practice standards?

X

5 Has your Company been prosecuted or issued with an enforcement notice / directive / compliance notice for infringement of any SHE legislation in the past three (3) years?

5.1 If Yes, please provide details of the prosecution / enforcement notice /directive / compliance notice and what measures were taken to ensure the issue/s would not recur.

X

6 Has your Company had any reportable incident (safety and/or environmental) in the past five (5) years?

6.1 If yes, please provide details:

X

ENVIRONMENTLA MANAGEMENT

Yes

No

N/A

Proof
required

7 Has your company had any notices of violations, permit non- compliances or reportable spills in the past year?

If yes, how many?

8 Has your Company a formally established EMS in place?

If so, is it based on ISO 14001 and is it certified?

X

If not, what are your plans to do establish one in the next 12 months?

X

9 Has your Company implemented any third-party certifications or reviews related to your product or services such as Energy Star or Type III environmental declarations – Principles and procedures (ISO 14025)? If so, which one?

X

10 Does your Company measure and trend energy use?

Are there targets in place to reduce consumption?

Is there a programme in place to reduce consumption?

Does your Company measure and trend waste use?

Are there targets in place to reduce waste?

11 Is there a programme in place to reduce waste?

Do you incorporate any recycled materials in your manufacturing process?

Can your product be easily recycled, re-used or disposed of?

12 Does your Company have any opportunities to collaborate with us to improve environmental performance, such as transport reduction or technological improvements?

OCCUPATIONAL HEALTH & WELLNESS		Yes	No	N/A	Proof required
13	Does your Company have a Health and Wellness Policy/Plan and Programme?				X
14	Does your Company have an HIV/Aids Awareness Policy/Plan and Programme?				X
15	Does your Company have an Employee Assistance Programme for permanent and temporary employees?				X
16	Does your Company have a medical surveillance programme that includes permanent and temporary employees?				X
17	Does your Company have man-job specifications (risk based) for each employee (including temporary / casual and labour broker persons) that is specific to the individual, the position that they fill, the work environment and tasks that they perform?				X
SECURITY MANAGEMENT		Yes	No	N/A	Proof required
18	Does your Company have a Security Management Policy to protect resources?				X
EMERGENCY PREPAREDNESS PLAN		Yes	No	N/A	Proof required
19	Does your Company have a Policy/Standard on Emergency Preparedness?				X
SUB-CONTRACTORS AND SUPPLIERS MANAGEMENT		Yes	No	N/A	Proof required
20	Does your Company appoint competent subcontractors /suppliers? (provide details of selection process and criteria)				X
21	Do you have arrangements for monitoring compliance & performance of your subcontractor/supplier?				X
VEHICLE SAFETY		Yes	No	N/A	Proof required
22	Does your Company have a policy that addresses Driver, Passenger and Vehicle Safety (which includes vehicle maintenance, driver/operator competence)?				X
23	Do your Company's motor vehicles / cycles, construction vehicles, mobile plant used/hired comply with the manufacturer's design and legal requirements?				
HYGIENE MONITORING		Yes	No	N/A	Proof required
24	Does your Company have an Occupational Hygiene Programme?				
SHE COMPETENCY		Yes	No	N/A	Proof required
25	Supervisors: Do the Appointed Supervisors have the required training, knowledge and experience specific to the work to be performed? (Proof has to be provided)				X
26	Does/Do the SHE functionary (ies) have the required SHE-related training, knowledge and experience specific to the work being performed? (Proof has to be provided)				X
27	Do employees have the appropriate qualifications and experience for performing the assigned tasks?				X
28	If not, are they under direct and controlled competent supervision?				X
FIRE PREVENTION		Yes	No	N/A	Proof required
29	Are the fire risks being assessed and is provision made for the risks?				
HAZARDS IDENTIFICATION & RISK ASSESSMENT (HIRA)		Yes	No	N/A	Proof required
30	Does your Company have procedures in place for conducting hazard identification and risk assessments and for developing and implementing safe systems of work/method statements?				X
31	Does your Company have an updated Legal Register of the applicable legislation with which it has to comply?				X
32	Does your Company have a competent person appointed to carry out hazard identification and risk assessments?				X
33	Do employees perform hazard identification and a risk assessment prior to the commencement of a task?				X
34	Does your Company have a standard/procedure on the hierarchy of control principles that is applied to the mitigation of risks?				X

TRAINING MANAGEMENT		Yes	No	N/A	Proof required
35	Does the Company have an orientation and safety induction programme/ policy?				
	Does the Company have implemented training arrangements in place to ensure that employees?				
36	have sufficient skills and understanding to discharge their various duties? This includes refresher training that will keep employees updated on legislation and good health, safety and environmental practice. This applies throughout the Company, from top management to trainees.				X
37	Are training records kept?				X
38	Have training matrices been developed and implemented?				X
40	Have team leaders and team members been given the appropriate level of First Aid training?				X
COIDA		Yes	No	N/A	Proof required
41	Is your company registered with COIDA or a mutual company and are you still in good standing? If yes, please provide copy of current valid certificate issued by the Compensation Commissioner.				X
42	Are all the Company's employees registered with COIDA?				X

REFERENCES – PLEASE PROVIDE AT LEAST TWO (2) CLIENTS REFERENCES

1	Client's name:	
	Description of works, services, product:	
	Duration of contract (specify start and end dates):	
	Value of contract/work/services/product:	
	Contact telephone number/s:	
	Number of 'near misses' reported:	
	Number of lost-time injuries:	
	Number of disabling injuries:	
	Number of motor vehicle incidents/accidents:	
	Number of fatalities:	
	Number of lost-time injuries:	
	Largest number of permanent staff members working for the supplier during the contract period:	
	Number of permanent or non-permanent staff members involved in the work/services/product on the contract: Total number of staff days lost due to Injuries:	
Number of incidents of non-compliance to environmental legislation (including conditions of environmental authorisations / permits / licences):		
Number of environmental incidents:		
2	Client's name:	
	Description of works, services, product:	
	Duration of contract (specify start and end dates):	
	Value of contract/work/services/product:	
	Contact telephone number/s:	
	Number of 'near misses' reported:	
	Number of lost-time injuries:	
	Number of disabling injuries:	

Number of motor vehicle incidents/accidents:	
Number of fatalities:	
Number of lost-time injuries:	
Largest number of permanent staff members working for the supplier during the contract period:	
Number of permanent or non-permanent staff members involved in the work/services/product on the contract: Total number of staff days lost due to Injuries:	
Number of incidents of non-compliance to environmental legislation (including conditions of environmental authorisations / permits / licences):	
Number of environmental incidents:	

COMPANY SIGN-OFF

I acknowledge that the information provided in this SHE Contractors ' Competency Questionnaire , as part of the FT Consultants Civil & Structural Engineers evaluation process, is true and correct.

Company name	
Name and surname	
Position	
Signature	
Date	

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SCORING:

A: Each question scores one (1) point. Total possible points Percentage Score = $\frac{\text{Actual Score}}{\text{Possible Score}} \times 100 = \underline{\hspace{2cm}} \%$

Note: if a question is Not Applicable, do not score any points.

B: Subsections:	Actual score	Total			
Organisational structure and contact details of key persons					

Comments:

SUPPLIER EVALUATION RESULT – Comply/Not Comply

Approved /Not approved (NOTE: Gatekeeper of minimum of 80% is required)

NAME OF ASSESSOR:	
SIGNATURE:	
DATE:	

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ANNEXURE 2:
HAZARDS IDENTIFICATION RISK
ASSESSMENT FORM

PROJECT NUMBER:	DHD/231/23/MP
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ANNEXURE 3: LIST OF POSSIBLE HAZARDS

LIST OF POSSIBLE HAZARDS ON THIS

PROJECT Potential risks emanating from *chemical hazards*:

- Exposure to additives, acids, cements and solvents used in construction activities;

Potential risks emanating from *biological hazards*:

- Exposure to biological vectors;
- Exposure to biological pathogens, viruses and bacteria.

Potential risks emanating from *workplace environmental* hazards:

- Inadequate provision of sanitation facilities resulting in exposure to infections / contagious diseases;
- Manual handling and lifting practices resulting in ergonomic stressor and poor posture;
- Exposure to thermal stress;
- Exposure to noise, vibration, dust, chemical vapours and smoke from emitted from construction activities;
- Exposure to adverse weather conditions;
- Exposure to risks emanating from unidentified existing services.

Potential risks emanating from *workplace hazards*:

- Ground instability due to substandard support, scaling, creeping, mud & slurry;
- Exposure to water environments and water releases
- Slip, trip and falling due to instable / wet floor surface conditions;
- Exposure to pressure systems and sudden releases from landslides, blockages, water pipes, falling flying objects and/or mud rushes;
- Poor visibility of employees due to inadequate lighting conditions;
- Unsafe road / track conditions and/or vehicle movement over slopes.
- Inadequate traffic control or poor visibility measures of traffic control system.

Potential risks emanating from **equipment hazards**:

- Exposure to falling objects due to poor rigging, loose materials & equipment, load instability and/or deterioration;
- Exposure to moving parts of machinery due to failure in guards, load locks, interlocks or inadequate operator protection;
- Exposure to sharp, hot/cold, heavy/ unbalance, moving and or abrasive hazardous objects;
- Load instability due to unsafe stacking & storage practices;

Potential risks emanating from **fire hazards**:

- Injury to people and damage to property due to fires from combustible materials, flammable liquids, cutting and welding, overheating of machines, electrical faults, friction, lightning
- Injury to people and damage to property due to explosions from gas ignitions, flammable liquid containers, gas bottles and vessels under pressure.

Potential risks emanating from **vehicles and driven machinery**:

- Driver incompetence or not adequately trained to operate drive machinery;
- Inadequate driver/passenger protection;
- Unsafe transportation of passengers on vehicles and/or falling from vehicles;
- Inadequate inspection and maintenance of vehicles and driven machinery;
- Vehicles / driven machinery applied in activity not suitable for purpose of use;
- Failure in safety devices of vehicles and driven machinery;
- Exposure of employees and pedestrians to surrounding traffic;

Potential risks emanating from **environmental hazards**:

- Excessive dust emissions;
- Excessive noise emissions;
- Poor waste generation and disposal practices;
- Poor rehabilitation practices;

Potential risks emanating from **electrical hazards**:

- Exposure to electrical current due to failure in isolation, cable damage, power failure, tampering or earthing.

Potential risks emanating from **organizational control hazards**:

- Failure in lock-out control systems.

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ANNEXURE 4:
MEDICAL SCREENING REPORT

FT CONSULTANTS CIVIL & STRUCTURAL ENGINEERS

MEDICAL SCREENING POLICY

**DHD/231/23/MP : KINROSS EXT.33 & EXT 34- BULK ENGINEERING
SERVICES IN GOVAN MBEKI LOCAL MUNICIPALITY.
CIDB GRADE 7CE OR HIGHER**

NOTICE

It is the Contractor's responsibility to ensure that medical surveillance requirements specified in the Occupational Health and Safety Act (85/1993) and Regulations and any other applicable legal and Johannesburg Water's requirements are fully complied with.

This document is meant to facilitate the Contractor's compliance to applicable requirements and does not replace the applicable legal requirements.

This document may be revised at any time to include applicable legal requirements not currently included that may come to the attention of FT Consultants Civil and Structural Engineers in future. The Contractor will accordingly be responsible to comply with the revised requirements as might be necessary.

Where methods to ensure legal compliance have been specified in this document, Contractors may submit alternative detailed method statements for consideration and approval by FT Consultants Civil and Structural Engineers. FT Consultants Civil and Structural Engineers may, at its sole discretion, reject or accept such alternative methods.

1 PURPOSE OF THE MEDICAL SURVEILLANCE REQUIREMENTS PROCEDURE

The purpose of this Medical Surveillance Requirements Procedure is to facilitate the achievement of legal compliance relating to medical surveillance by all Consultants, Contractors, Subcontractors and suppliers that will be working on the Leandra Sewer Spillages Urgent Repairs project and to ensure that employees are fit to work in the roles that they have been employed to execute and remain so for their duration on the project site.

This document represents the minimum requirements for medical surveillance and does not replace applicable legal requirements.

2 MEDICAL SURVEILLANCE OBJECTIVES

FT Consultants Civil and Structural Engineers main objectives for medical surveillance are:

- a) To ensure compliance to all applicable medical surveillance legal requirements.
- b) To ensure compliance to all FT Consultants Civil and Structural Engineers' requirements regarding medical surveillance.
- c) To ensure that employees are fit to execute the work for which they have been employed.
- d) To prevent employees from acquiring occupational diseases or illnesses.
- e) To ensure early detection and treatment of occupational diseases and to prevent the aggravation of existing medical conditions.

- f) To ensure that employees on departure from the project have not contracted any occupational diseases and to enable any such condition that arises to be suitably addressed.

All contractors are required to demonstrate total commitment towards the achievement of these objectives.

3 GENERAL REQUIREMENTS

3.1 Medical surveillance & Immunisation shall be done accredited institutions or medical doctor, including, but not limited to:

- a) Audiograms.
- b) A cardio-respiratory examination, including full size chest x-rays.
- c) Lung function tests.
- d) Eye/ sight tests.
- e) A general physical examination.
- f) Blood glucose levels tests
- g) Blood pressure tests
- h) A review of previous medical history.

3.2 An entry medical certificate shall be obtained for all workers prior to commencing with site activities from approved medical institution. Copies of all medical certificates shall be submitted to the FT Consultants Civil and Structural Engineers Project Specialist or Appointed OHS Agent to prior to site establishment and before an employee is allowed to come onto site.

- 3.3 Specific attention shall be given to the physical and psychological fitness of people who will be required to work in elevated positions and operators of mobile machinery.
- 3.4 An exit medical certificate shall be obtained for all workers at the end of the contract and for all workers who leave the employment of the Contractor before the end of the Project. Copies of all exit medical certificates shall be submitted to the FT Consultants Civil and Structural Engineers Project Specialist or Appointed OHS Agent.
- 3.5 Medical surveillance shall address all occupational health risks to which the employee is exposed, identified through the risk assessment referred to in section 4 below.
- 3.6 Retention monies will be withheld if the exit medical is not complete for all employees.
- 3.7 The cost of all medical examinations will be borne by the Contractor as provision is made on the bill of quantities.

4 OCCUPATIONAL HEALTH RISK ASSESSMENT

- 4.1 The Contractor shall conduct an occupational health risk assessment prior to site establishment.
- 4.2 The Contractor shall ensure that, as far as is reasonably practicable, ergonomic related hazards are analysed, evaluated and addressed in the risk assessment.

Occupational Health and Safety Specification

Environmental Management Plan
C3 Scope of Work

-
- 4.3 The methodology used by the contractor to assess occupational health risks associated with their activities shall be submitted to Johannesburg Water for approval by the FT Consultants Civil and Structural Engineers Project Specialist or Appointed OHS Agent prior to site establishment. The methodology should take the following into consideration, among others:
- a) Legal requirements.
 - b) Normal activities undertaken by the contractor.
 - c) Abnormal situations (e.g. unanticipated breakdown of equipment etc).
 - d) Emergency situations (e.g. fires, exposure to chemicals).
 - e) Changes in work procedures and methods.
 - f) Previous experience.
- 4.4 A risk register that will include the following shall be submitted to the FT Consultants Civil and Structural Engineers Project Specialist or Appointed OHS Agent before site establishment.
- a) All occupational health risks identified during the occupational health risk assessment.
 - b) A list of the occupational health risks that have been identified as being significant.
 - c) Reference to the method statements, measures or procedures that will be followed to either eliminate or reduce the significant risks to tolerable levels.
- 4.5 The Contractor shall, in writing, clearly explain how each occupational health risk assessed to be significant will be addressed to eliminate or reduce it to a tolerable level and submit it for approval by the FT Consultants Civil and Structural Engineers Project Specialist or Appointed OHS Agent before site establishment. This may be through method statements or written operational control procedures. Associated responsibilities and authorities shall be clearly defined. All method statements shall reflect at least:

- a) When the activities relating to the method statement will be conducted (timing).
- b) Materials to be used.
- c) Equipment and staffing requirements.
- d) The proposed construction procedure designed to implement the relevant requirements.
- e) The system to be implemented to ensure compliance with the method statement.

Any other information deemed to be necessary by the FT Consultants Civil and Structural Engineers Project Specialist or Appointed OHS Agent and/or the contractor's responsible person.

- 4.6 For significant occupational health risks identified after site establishment, method statements shall be submitted to the FT Consultants Civil and Structural Engineers Project Specialist or Appointed OHS Agent at least 10 working days before the start of the associated activity, when possible.
- 4.7 All changes to approved method statements or procedures shall be approved in writing by FT Consultants Civil and Structural Engineers Project Specialist or Appointed OHS Agent.
- 4.8 The contractor's Responsible Person shall retain records of any amendments and shall ensure that only the most current approved version of any method statement or procedure is used.
- 4.9 Every occupational health risk that is identified during the risk assessment process shall be conveyed to every employee whose work is associated with the risk. This

Occupational Health and Safety Specification

Environmental Management Plan
C3 Scope of Work

may be done in the form of a toolbox talk but does not replace the toolbox talk entirely. Each employee shall sign to confirm an understanding of the occupational health risks in the tasks.

4.10 Occupational health risk assessments may be combined with safety and environmental risk assessments, but the consideration of occupational health issues shall be clearly reflected in the records generated and maintained.

4.11 The occupational health risk assessment process and effective implementation of measures to eliminate or reduce identified risks is the responsibility of the Contractor. FT Consultants Civil and Structural Engineers will closely monitor the effectiveness of implemented measures.

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ANNEXURE 5:

**MEDICAL SCREENING
ACKOLEGEMENT FORM**

Acknowledgement of FT Medical Screening Policy

Name of Contractor

I, the undersigned, hereby acknowledge that I have obtained copies of FT Medical Screening Policy and confirm that I fully understand them and the consequences of non-compliance.

Signed at on this Day of 20.....

Signature of Contractor Manager

Date

Signature of Contractor Supervisor

Date

Witness 1

Witness 2

PROJECT NUMBER:	DHD/231/23/MP
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ANNEXURE 6: ACKNOWLEDGEMENT FORM

Acknowledgement of FT Volume 2 OHS Specification

Name of Contractor

I, the undersigned, hereby acknowledge that I have obtained copies of FT Volume 2 OHS Specs and confirm that I fully understand them and the consequences of non-compliance.

Signed at on this Day of 20.....

Signature of Contractor Manager

Date

Signature of Contractor Supervisor

Date

Witness 1

Witness 2



BID NOTICE

MPUMALANAGA DEPARTMENT OF HUMAN SETTLEMENTS - PROVINCIAL

BID NO	BID NAME	DOCUMENT FEE	CIDB GRADING DESIGNATION	TECHNICAL ENQUIRIES	COMPULSORY BRIEFING SESSION / DATE	BID DOC. AVAILABILITY	CLOSING DATE
DHD/231/23/MP	Mpumalanga Department of Human Settlements – Kinross Ext.33 & Ext 34- bulk engineering services in Govan Mbeki Local Municipality	R100.00	7 CE Or Higher	Mr. N. Mzaca 017 811 9667 Mr. S. Masinga 076 980 9381 063 420 5808	Friday, 27 th October 2023 @ 11h00, Lilian Ngoyi Centre, Secunda, Mpumalanga	Monday, 23 rd October 2023	Wednesday, 22 November 2023 @ 12:00pm

The Mpumalanga Provincial - Department of Human Settlements, hereby invites bids for the below - mentioned requirements, subject to Department's Supply Chain Management Policy: Bid documents are obtainable from the office of the **Mpumalanga Provincial Department of Human Settlements Supply Chain, on the 3rd Floor of Building No. 7 Government Boulevard, Riverside Park, Mbombela**, during office hours between 08h00 to 15h00 on the above-mentioned dates.

Procurement enquiries: Mr. T. Mashile **Telephone no.:** 013 766 6951 **Email Address:** tmashile@mpg.gov.za
rsmotsilanyan@mpg.gov.za

Only prospective suppliers who are registered on the National Treasury Supplier database are legible to bid. To register on the CSD log onto; www.csd.gov.za
Bids will be adjudicated in terms of the Preferential Procurement Regulations, 2017 pertaining to Preferential Procurement Policy Framework Act, 5/2000 and other applicable legislations and other applicable legislations, and will be based on 80/20 points system. Preference points will be awarded to service providers using their B-BBEE status level of contribution. The bids will remain valid for 90 days. The Mpumalanga Provincial - Department of Human Settlements reserves the right to accept all, some, or none of the bids submitted, either wholly or in part and it is not obliged to accept the lowest bid.

Completed bids in plain sealed envelopes, endorsed "**Bid number and description**" bearing the name, address and bidder's contact details at the back of the envelope should be placed in the bid box provided at various places indicated on the Tender Bulletin by no later than 12:00pm of the closing date. The bid box can only be accessible during the office hours.

Ms. H.N. Zitha (Acting Head of Department)
Department of Human Settlements – Mpumalanga
Building No. 6 & 7
No. 7 Government Boulevard
Riverside Ext. 2, Mbombela

Volume	1	2	3			
Part	T1	T2	C1	C2	C3	C4

Department of Human Settlements



Govan Mbeki Local Municipality



VOLUME 1

KINROSS EXT.33 & EXT 34- BULK ENGINEERING SERVICES IN GOVAN MBEKI LOCAL MUNICIPALITY

PART T1: TENDER PROCEDURE

Prepared by:
FT Consultant Civil & Structural Engineers
7 Ehmke Street
Mbombela, 1201
Telephone: +27 83 626 6334
Email: stanelymasher@gmail.com



Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	TI	T2	C1	C2	C3	C4

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Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
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T1.1 TENDER NOTICE AND INVITATION TO TENDER

TENDER NOTICE

KINROSS EXT.33 & EXT 34- BULK ENGINEERING SERVICES

NOT APPLICABLE

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	TI	T2	C1	C2	C3	C4

T1.2 TENDER DATA

T1.2.1 Conditions of Tender

The conditions of tender are the Standard Conditions of Tender as contained in Annex F of the CIDB Standard for Uniformity in Construction Procurement (January 2009) as published in Government Gazette No 38960, Board Notice 136 of 2015 of 10 July 2015. (See www.CIDB.org.za).

The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of Tender.

Each item of data given below is cross-referenced to the clause in the Standard Conditions of Tender to which it mainly applies.

T1.2.2 Tender Data

The clause numbers in the Tender Data refer to the corresponding clause numbers in the Conditions of Tender (see Annex).

The additional Conditions of Tender are:

Clause number	Tender Data
F.1.1	The Employer is, FT Consultants Civil and Structural Engineers
F.1.2	<p>The tender documents issued by the Employer comprise:</p> <p>Volume 1: Tendering Procedures T1.1 Tender Notice and Invitation to Tender – N/A T1.2 Tender Data</p> <p>Returnable Documents T2.1 List of Returnable Documents T2.2 Returnable Schedules, including the Enterprise Declaration Affidavit which may be bound in a separate volume</p> <p>Part 1: Agreement and Contract Data C1.1 Form of Offer and Acceptance C1.2 Contract Data C1.3 Forms of Securities</p> <p>Part 2: Pricing Data C2.1 Pricing Instructions C2.2 Schedule of Rates</p> <p>Part 3: Scope of Work C3.1 Scope of Work C3.2 Particular Specifications</p> <p>Part 4: Site Information C4 Site Information</p>

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	TI	T2	C1	C2	C3	C4

Clause number	Tender Data
	<p>Volume 2: Occupational Health, Safety and Environmental Specification and Environmental Management Plan</p> <p>Volume 3: Drawings</p>
F.1.4	<p>The Employer's agent is: Contact Person: Mr Bernard Masher Telephone : 013 752 8523 E-mail address: stanelymasher@gmail.com</p>
F1.5.2	<p>Replace the existing clause with the following: The Employer may not subsequent to the cancellation or abandonment of a tender process or the rejection of all responsive tender offers, <u>save for all tenders being non-responsive</u>, re-issue a tender covering substantially the same scope of work within a period of six months unless only one tender was received and such tender was returned unopened to the tenderer.- n/a</p>
F.2.1	<p>Eligibility criteria and requirements CIDB registration and grading:</p> <ol style="list-style-type: none"> 1) Only tenderers who are registered with the CIDB or have a sub-contractor registered with the CIDB, or are 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 for a 7CE class of construction work, are eligible to submit tenders. 2) Joint ventures are eligible to submit tenders provided that: <ol style="list-style-type: none"> i) every member of the joint venture is registered with the CIDB; ii) the lead partner has a contractor grading designation in the 7CE class of construction work; and iii) the combined contractor grading designation calculated in accordance with the CIDB Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a 7CE class of construction work. 3) A contract will only be entered into with a Tenderer who has in his employ management and supervisory staff satisfying the requirements of the scope of work for labour-intensive competencies for supervisory and management staff. 4) Information to be submitted with the tender The Tenderer shall, when requested by the Employer to do so, submit the names of all management and supervisory staff that will be employed to supervise the labour-intensive portion of the works together with satisfactory evidence that such staff members satisfy the eligibility requirements.

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	TI	T2	C1	C2	C3	C4

Clause number	Tender Data
F.2.7	<p>The arrangements for a compulsory clarification meeting are as stated in the Tender Notice and Invitation to Tender. -n/a</p> <p>Tenderers must sign the attendance list in the name of the tendering entity. Addenda will be issued to and tenders will be received only from those tendering entities appearing on the attendance list. -n/a</p>
F.2.8	<p>Replace the contents of the clause with the following:</p> <p>“Request clarification of the tender documents, if necessary, by notifying the Employer’s Official or the Employer’s Agent indicated in the Tender Notice and Invitation to Tender in writing at least seven working days before the closing time stated in the foregoing notice and clause F.2.15.”-n/a</p>
F.2.9	<p>Add the following to the clause:</p> <p>“Accept that the submission of a Tender shall be construed as an acknowledgement by the Tenderer that he is satisfied with the insurance cover, the Employer will effect under the contract.”</p>
F.2.10.5	<p>Add the following to the clause:</p> <p>“If no offer is made for an item, a line must be drawn through the space in pen. All prices and details must be legible / readable to ensure the tender will be considered for adjudication.”</p>
F.2.11	<p>Add the following to the clause:</p> <p><u>“In the event of a mistake having been made on the price schedule, it shall be crossed out in ink and be accompanied by an initial at each and every price alteration.”</u></p> <p>If correction fluid has been used on any specific item price, such item will not be considered. Corrections in terms of price may not be made by means of correction fluid such as Tippex or similar product.</p> <p><u>No correction fluid may be used</u> in a Price Schedule where prices are calculated to arrive at a total amount. If correction fluid has been used, the tender as a whole will not be considered. The Employer will reject the bid if corrections are not made in accordance with the above.”</p>

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	TI	T2	C1	C2	C3	C4

Clause number	Tender Data
F.2.12	<p>If a tenderer wishes to submit an alternative tender offer, the only criteria permitted for such alternative tender offer is that it demonstrably satisfies the Employer's standards and requirements, the details of which may be obtained from the Employer's Agent.</p> <p>Calculations, drawings and all other pertinent technical information and characteristics as well as modified or proposed Pricing Data must be submitted with the alternative tender offer to enable the Employer to evaluate the efficacy of the alternative and its principal elements, to take a view on the degree to which the alternative complies with the Employer's standards and requirements and to evaluate the acceptability of the pricing proposals. Calculations must be set out in a clear and logical sequence and must clearly reflect all design assumptions. Pricing Data must reflect all assumptions in the development of the pricing proposal.</p> <p>Acceptance of an alternative tender offer will mean acceptance in principle of the offer. It will be an obligation of the contract for the tenderer, in the event that the alternative is accepted, to accept full responsibility and liability that the alternative offer complies in all respects with the Employer's standards and requirements.</p> <p>The modified Pricing Data must include an amount equal to 5% of the amount tendered for the alternative offer to cover the Employer's costs of confirming the acceptability of the detailed design before it is constructed.</p>
F.2.13.3	Each tender offer shall be submitted as an original. No copies.
F.2.13.5	<p>The Employer's address for delivery of tender offers and identification details to be shown on the Tenderer's offer package are:</p> <p>Physical address: FT Consultants 7 Ehmke Street Mbombela 1201</p>
F.2.13.6 & F.3.5	A two-envelope procedure will not be followed.
F.2.15.1	The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender.
F.2.16	The tender offer validity period is 90 days.
F.2.16.1	<p>Add the following to the clause :</p> <p>"If the tender validity expires on a Saturday, Sunday or public holiday, the Tender Offer shall remain valid and open for acceptance until the closure of business on the following working day."</p>

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	TI	T2	C1	C2	C3	C4

Clause number	Tender Data
F.2.19	The Tenderer must provide access during working hours to his premises for inspections on request.
F.2.23	The Tenderer is required to submit with his tender a letter of intent from an approved insurer undertaking to provide the Performance Guarantee to the format included in Part T2.2.22 of this procurement document.
F.2.23	<p>The Tenderer is required to submit with his tender:</p> <ol style="list-style-type: none"> 1) Valid SARS Compliance status Pin for Tenders issued by the South African Revenue Services. 2) Proof of CSD registration ie MA xxxxxxxx number 3) a Certificate of Contractor Registration issued by the CIDB. 4) where the tendered amount inclusive of VAT exceeds R 10 million: <ol style="list-style-type: none"> i) audited annual financial statement for 3 years, or for the period since establishment if established during the last 3 years, if required by law to prepare annual financial statements for auditing; ii) a certificate certifying that the tenderer has no undisputed commitments iii) municipal services towards a municipality or other service provider in respect of which payment is overdue for more than 30 days; iv) particulars of any contracts awarded to the tenderer by an organ of state during the past five years, including particulars of any material non-compliance or dispute concerning the execution of such contract; v) a statement indicating whether any portion of the goods or services are expected to be sourced from outside the Republic, and, if so, what portion and whether any portion of payment from the municipality or municipal entity is expected to be transferred out of the Republic. <p>Where a tenderer satisfies CIDB contractor grading designation requirements through joint venture formation, such tenderers must submit the Certificates of Contractor Registration in respect of each partner.</p>
F.2.24	<p>Add the following new clause:</p> <p>Canvassing and obtaining of additional information by tenderers Accept that no Tenderer shall make any attempt either directly or indirectly to canvass any of the Employers officials or the Employer's agent in respect of his tender, after the opening of the tenders but prior to the Employer arriving at a decision thereon. No Tenderer shall make any attempt to obtain particulars of any relevant information, other than that disclosed at the opening of tenders."</p>

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	TI	T2	C1	C2	C3	C4

Clause number	Tender Data
F.2.25	<p>Add the following new clause:</p> <p>Prohibitions on awards to persons in service of the state Accept that the Employer is prohibited to award a tender to a person -</p> <ul style="list-style-type: none"> a) who is in the service of the state; or b) if that person is not a natural person, of which any director, manager, principal shareholder or stakeholder is a person in the service of the state; or c) a person who is an advisor or consultant contracted with the municipality or municipal entity. <p>“In the service of the state” means to be -</p> <ul style="list-style-type: none"> i) a member of:- <ul style="list-style-type: none"> • any municipal council; • any provincial legislature; or • the National Assembly or the National Council of Provinces; ii) a member of the board of directors of any municipal entity; iii) an official of any municipality or municipal entity; iv) an employee of any national or provincial department; v) provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999); vi) a member of the accounting authority of any national or provincial public entity; or vii) an employee of Parliament or a provincial legislature.” <p>In order to give effect to the above, the questionnaire for the declaration of interests in the tender of persons in service of state in Section T2.2 must be completed.</p>
F.2.26	<p>Add the following new clause:</p> <p>Awards to close family members of persons in the service of the state “Accept that the notes to the Employer’s annual financial statements must disclose particulars of any award of more than R 2 000 to a person who is a spouse, child or parent of a person in the service of the state (defined in clause F.2.25), or has been in the service of the state in the previous twelve months, including</p> <ul style="list-style-type: none"> a) the name of that person; b) the capacity in which that person is in the service of the state; and c) the amount of the award. <p>In order to give effect to the above, the questionnaire for the declaration of interests in the tender of persons in service of state in part T2 – Returnable Documents must be completed in full and signed.”</p>
F.2.27	<p>Add the following new clause:</p> <p>Tax Clearance Certificate In the case of a Joint Venture/Consortium the tax Compliance Status Pin must be submitted for each member of the Joint Venture/Consortium.”</p>

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	TI	T2	C1	C2	C3	C4

Clause number	Tender Data																																							
F.3.1.1	<p>Replace the contents of the clause with the following:</p> <p>“Respond to a request for clarification received up to seven calendar days before the tender closing time stated in the tender data and notify all Tenderers who drew procurement documents” – n/a</p>																																							
F.3.4.2	<p>Tenders will be opened in public soon after closing time and recording of received documents but not later than 11:00 at the Tender. Tenderers names and total prices, where practical will be, read out. – n/a</p>																																							
F.3.11.1	<p>Although quality does not form part of the tender points scoring, quality will be evaluated first (as outlined below) and if the tenderer does not score a minimum number of points per criteria/sub-criteria and a total of 70 points for quality, the tenderer will be eliminated and will not be considered further. -n/a</p> <p>The quality criteria minimum and maximum points in respect of each of criteria shall be as follows:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Quality criteria</th> <th style="width: 20%;">Sub-criteria</th> <th style="width: 15%;">Weightings</th> <th style="width: 15%;">Minimum number of points</th> <th style="width: 20%;">Maximum number of points</th> </tr> </thead> <tbody> <tr> <td>Compliance with Specification (refer to the data sheets and project specification)</td> <td colspan="4" style="text-align: center;">YES / NO</td> </tr> <tr> <td colspan="5" style="text-align: center;">Only tenderers who satisfy the criteria above will be evaluated on the rest of the criterions</td> </tr> <tr> <th>Quality criteria</th> <th>Sub-criteria</th> <th>Weightings</th> <th>Minimum number of points</th> <th>Maximum number of points</th> </tr> <tr> <td>Availability of key (major) plant and equipment</td> <td></td> <td style="text-align: center;">5</td> <td style="text-align: center;">3.5</td> <td style="text-align: center;">5</td> </tr> <tr> <td rowspan="2" style="vertical-align: middle;">Methodology</td> <td>Contract programme</td> <td style="text-align: center;">10</td> <td style="text-align: center;">7</td> <td style="text-align: center;">10</td> </tr> <tr> <td>Quality Plan and Control</td> <td style="text-align: center;">10</td> <td style="text-align: center;">7</td> <td style="text-align: center;">10</td> </tr> <tr> <td>Experience of the key staff (assigned personnel) in relation to the scope of work. Weightings;</td> <td>General qualifications</td> <td style="text-align: center;">10</td> <td style="text-align: center;">7</td> <td style="text-align: center;">10</td> </tr> </tbody> </table>	Quality criteria	Sub-criteria	Weightings	Minimum number of points	Maximum number of points	Compliance with Specification (refer to the data sheets and project specification)	YES / NO				Only tenderers who satisfy the criteria above will be evaluated on the rest of the criterions					Quality criteria	Sub-criteria	Weightings	Minimum number of points	Maximum number of points	Availability of key (major) plant and equipment		5	3.5	5	Methodology	Contract programme	10	7	10	Quality Plan and Control	10	7	10	Experience of the key staff (assigned personnel) in relation to the scope of work. Weightings;	General qualifications	10	7	10
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Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	TI	T2	C1	C2	C3	C4

Clause number	Tender Data				
	Contract Manager -0,4 Site Agent - 0,2 Discipline leads – 0,3 OHS Officer - 0,1	Experience for the assignment	25	17.5	25
	Experience with respect to specific aspects of the project / comparable projects		40	28	40
	Possible score for quality (Ms)		100	70	100
<p>Each evaluation criteria will be assessed in terms of five indicators – no response, poor, satisfactory, good and very good. Scores of 0, 40, 70, 90 or 100 will be allocated to no response, poor, satisfactory, good and very good, respectively. The scores of each of the evaluators will be averaged, weighted and then totaled to obtain the final score for quality. Tenderers who fail to achieve a minimum overall score of 70 points, as well as the minimum score for each criterion, will not be considered further.</p> <p>Quality shall be scored in accordance with the following schedules: Tenderer's Availability of key (major) plant and equipment Major Plant and equipment requirements are as follows but not limited to:</p> <ul style="list-style-type: none"> • 1 x Excavator • 1 x TLB • 2 x 6m³ Dump-trucks • 2 x 1 Ton Bakkies • 1 x Grader • 1 x Vibrator (for compaction of the pipe trenches) • 1 x Vibrator vehicle (for compaction of the gravel roads) 					
	(Score 0)	Failed to address the question / issue.			
	Poor (score 40)	Tenderer does own less than One (1) of the required key (major) plant and equipment, and /OR can assure use of hired plant and equipment during the contract period.			
	Satisfactory (score 70)	Tenderer does own Two (2) of the required key (major) plant and equipment, and /OR can assure use of hired plant and equipment during the contract period.			
	Good (score 90)	Tenderer does own Three (3) of the required key (major) plant and equipment, and /OR can assure use of hired plant and equipment during the contract period.			

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	TI	T2	C1	C2	C3	C4

Clause number	Tender Data																			
	<p>Very good (score 100)</p> <p>Besides meeting the “good” rating, decision points and the sequencing and timing of activities are very well defined, indicating that the Tenderer has optimized the use of resources. The work plan permits flexibility to accommodate contingencies.</p>	<p>Besides meeting the “good” rating, the important quality issues are approached in an innovative and efficient way, indicating that the Tenderer has outstanding knowledge of state-of-the-art approaches.</p>																		
	<p>Experience of Key Personnel</p> <p>General qualifications should cover the following as minimum:</p> <ul style="list-style-type: none"> Contract Manager – Engineer/Technologist. Site Agent – Technician. Safety Officers – Courses in Safety or SAMTRAC which is recognised by OHS Qualification Body. <p>Adequacy for assignment should cover the following:</p> <ul style="list-style-type: none"> Key staff should have a minimum of 2 to 5 years project specific experience in the projects of a similar nature in their respective disciplines 																			
	<table border="1"> <thead> <tr> <th></th> <th>General qualifications (Greater weighting will be given to the team leader)</th> <th>Experience for the assignment (Greater weighting will be given to the team leader)</th> </tr> </thead> <tbody> <tr> <td>(Score 0)</td> <td>Failed to address the question / issue.</td> <td>Failed to address the question / issue.</td> </tr> <tr> <td>Poor (score 40)</td> <td>Key staff has limited levels of qualification.</td> <td>Key staff has limited levels of project specific experience.</td> </tr> <tr> <td>Satisfactory (score 70)</td> <td>Key staff has acceptable/reasonable levels of qualification.</td> <td>Key staff has acceptable/reasonable levels of project specific experience.</td> </tr> <tr> <td>Good (score 90)</td> <td>Key staff has extensive levels of qualification.</td> <td>Key staff has extensive levels of project specific experience.</td> </tr> <tr> <td>Very good (score 100)</td> <td>Key staff has outstanding levels of qualification.</td> <td>Key staff has outstanding levels of project specific experience.</td> </tr> </tbody> </table>		General qualifications (Greater weighting will be given to the team leader)	Experience for the assignment (Greater weighting will be given to the team leader)	(Score 0)	Failed to address the question / issue.	Failed to address the question / issue.	Poor (score 40)	Key staff has limited levels of qualification.	Key staff has limited levels of project specific experience.	Satisfactory (score 70)	Key staff has acceptable/reasonable levels of qualification.	Key staff has acceptable/reasonable levels of project specific experience.	Good (score 90)	Key staff has extensive levels of qualification.	Key staff has extensive levels of project specific experience.	Very good (score 100)	Key staff has outstanding levels of qualification.	Key staff has outstanding levels of project specific experience.	
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Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	TI	T2	C1	C2	C3	C4

Clause number	Tender Data										
	<p>Tenderer's experience: Minimum of 3 to 5 projects comprising of a similar nature completed on time and within budget and to the specified quality</p> <table border="1"> <tr> <td>(Score 0)</td> <td>Failed to address the question / issue..</td> </tr> <tr> <td>Poor (score 40)</td> <td>Tenderer has limited experience.</td> </tr> <tr> <td>Satisfactory (score 70)</td> <td>Tenderer has relevant experience (acceptable) and has dealt with the critical issues specific to the assignment.</td> </tr> <tr> <td>Good (score 90)</td> <td>Tenderer has extensive experience in relation to the project and has worked previously under similar conditions and circumstances.</td> </tr> <tr> <td>Very good (score 100)</td> <td>Tenderer has outstanding experience in projects of a similar nature.</td> </tr> </table>	(Score 0)	Failed to address the question / issue..	Poor (score 40)	Tenderer has limited experience.	Satisfactory (score 70)	Tenderer has relevant experience (acceptable) and has dealt with the critical issues specific to the assignment.	Good (score 90)	Tenderer has extensive experience in relation to the project and has worked previously under similar conditions and circumstances.	Very good (score 100)	Tenderer has outstanding experience in projects of a similar nature.
(Score 0)	Failed to address the question / issue..										
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Good (score 90)	Tenderer has extensive experience in relation to the project and has worked previously under similar conditions and circumstances.										
Very good (score 100)	Tenderer has outstanding experience in projects of a similar nature.										
F.3.11.2 & F.3.11.3	The procedure for the evaluation of responsive tenders is Method 2										
F.3.13.1	<p>Add to the existing clause:</p> <p>Tender offers will only be accepted if:</p> <ol style="list-style-type: none"> a) the tenderer submits a valid SARS tax Compliance Status Pin for tenders issued by the South African Revenue Services or has made arrangements to meet outstanding tax obligations; b) Proof of CSD registration ie MA xxxxx number; c) the tenderer submits a letter of intent from an approved insurer undertaking to provide the Performance Guarantee to the format included in Part T2.2.22 of this procurement document d) the tenderer is registered with the Construction Industry Development Board in an appropriate contractor grading designation; e) the tenderer or any of its directors/shareholders is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector; f) the tenderer has not: <ol style="list-style-type: none"> i) abused the Employer's Supply Chain Management System; or ii) failed to perform on any previous contract and has been given a written notice to this effect; g) the tenderer has completed the Compulsory Enterprise Questionnaire and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the Employer or potentially compromise the tender process and persons in the employ of the state are permitted to submit tenders or participate in the contract; 										

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	TI	T2	C1	C2	C3	C4

Clause number	Tender Data
	<ul style="list-style-type: none"> h) the tenderer is registered and in good standing with the compensation fund or with a licensed compensation insurer; i) the Employer is reasonably satisfied that the tenderer has in terms of the Construction Regulations, 2003, issued in terms of the Occupational Health and Safety Act, 1993, the necessary competencies and resources to carry out the work safely.; and j) the tenderer: <ul style="list-style-type: none"> i) has sufficiently substantiated his experience in this type work; ii) has the required and experienced key personnel; and iii) Owns the primary equipment to effectively and efficiently execute the work.
F.3.17	The number of paper copies of the signed contract to be provided by the Employer is one.
	There are no additional conditions of tender.

--- END OF PART ---

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	TI	T2	C1	C2	C3	C4

ANNEXURE: STANDARD CONDITIONS OF TENDER

As published in Annexure F of the CIDB Standard for Uniformity for construction Procurement, Board Notice 136 Government Gazette No 38960 of 10 July 2015

F.1 General

F.1.1 Actions

F.1.1.1 The employer and each tenderer submitting a tender offer shall comply with these conditions of tender. In their dealings with each other, they shall discharge their duties and obligations as set out in F.2 and F.3, timeously and with integrity, and behave equitably, honestly and transparently, comply with all legal obligations and not engage in anticompetitive practices.

F.1.1.2 The employer and the tenderer and all their agents and employees involved in the tender process shall avoid conflicts of interest and where a conflict of interest is perceived or known, declare any such conflict of interest, indicating the nature of such conflict. Tenderers shall declare any potential conflict of interest in their tender submissions. Employees, agents and advisors of the employer shall declare any conflict of interest to whoever is responsible for overseeing the procurement process at the start of any deliberations relating to the procurement process or as soon as they become aware of such conflict, and abstain from any decisions where such conflict exists or recuse themselves from the procurement process, as appropriate.

Note: 1) A conflict of interest may arise due to a conflict of roles which might provide an incentive for improper acts in some circumstances. A conflict of interest can create an appearance of impropriety that can undermine confidence in the ability of that person to act properly in his or her position even if no improper acts result.

2) *Conflicts of interest in respect of those engaged in the procurement process include direct, indirect or family interests in the tender or outcome of the procurement process and any personal bias, inclination, obligation, allegiance or loyalty which would in any way affect any decisions taken.*

F.1.1.3 The employer shall not seek, and a tenderer shall not submit a tender without having a firm intention and the capacity to proceed with the contract.

F.1.2 Tender Documents

The documents issued by the employer for the purpose of a tender offer are listed in the tender data.

F.1.3 Interpretation

F.1.3.1 The tender data and additional requirements contained in the tender schedules that are included in the returnable documents are deemed to be part of these conditions of tender.

F.1.3.2 These conditions of tender, the tender data and tender schedules which are only required for tender evaluation purposes, shall not form part of any contract arising from the invitation to tender.

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	TI	T2	C1	C2	C3	C4

F.1.3.3 For the purposes of these conditions of tender, the following definitions apply:

- a) **conflict of interest** means any situation in which:
 - i) someone in a position of trust has competing professional or personal interests which make it difficult to fulfil his or her duties impartially;
 - ii) an individual or organisation is in a position to exploit a professional or official capacity in some way for their personal or corporate benefit; or
 - iii) incompatibility or contradictory interests exist between an employee and the organisation which employs that employee.
- b) **comparative offer** means the price after the factors of a non-firm price and all unconditional discounts it can be utilised to have been taken into consideration;
- c) **corrupt practice** means the offering, giving, receiving or soliciting of anything of value to influence the action of the employer or his staff or agents in the tender process;
- d) **fraudulent practice** means the misrepresentation of the facts in order to influence the tender process or the award of a contract arising from a tender offer to the detriment of the employer, including collusive practices intended to establish prices at artificial levels;
- e) **organization** means a company, firm, enterprise, association or other legal entity, whether incorporated or not, or a public body;
- f) **functionality** means the measurement according to the predetermined norms of a service or commodity designed to be practical and useful, working or operating, taking into account quality, reliability, viability and durability of a service and technical capacity and ability of a tenderer.

F.1.4 Communication and employer’s agent

Each communication between the employer and a tenderer shall be to or from the employer's agent only, and in a form that can be readily read, copied and recorded. Communications shall be in the English language. The employer shall not take any responsibility for non-receipt of communications from or by a tenderer. The name and contact details of the employer’s agent are stated in the tender data.

F.1.5 Cancellation and Re-Invitation of Tenders

F1.5.1 An organ of state may, prior to the award of the tender, cancel a tender if-

- (a) due to changed circumstances, there is no longer a need for the services, works or goods requested; or
- (b) funds are no longer available to cover the total envisaged expenditure; or
- (c) no acceptable tenders are received.

F1.5.2 The decision to cancel a tender must be published in the CIBD website and in the government Tender Bulletin for the media in which the original tender invitation was advertised.

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
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F.1.6 Procurement procedures

F.1.6.1 General

Unless otherwise stated in the tender data, a contract will, subject to F.3.13, be concluded with the tenderer who in terms of F.3.11 is the highest ranked or the tenderer scoring the highest number of tender evaluation points, as relevant, based on the tender submissions that are received at the closing time for tenders.

F.1.6.2 Competitive negotiation procedure

F.1.6.2.1 Where the tender data require that the competitive negotiation procedure is to be followed, tenderers shall submit tender offers in response to the proposed contract in the first round of submissions. Notwithstanding the requirements of F.3.4, the employer shall announce only the names of the tenderers who make a submission. The requirements of F.3.8 relating to the material deviations or qualifications which affect the competitive position of tenderers shall not apply.

F.1.6.2.2 All responsive tenderers, or not less than three responsive tenderers that are highest ranked in terms of the evaluation method and evaluation criteria stated in the tender data, shall be invited in each round to enter into competitive negotiations, based on the principle of equal treatment and keeping confidential the proposed solutions and associated information. Notwithstanding the provisions of F.2.17, the employer may request that tenders be clarified, specified and fine-tuned in order to improve a tenderer's competitive position provided that such clarification, specification, fine-tuning or additional information does not alter any fundamental aspects of the offers or impose substantial new requirements which restrict or distort competition or have a discriminatory effect.

F.1.6.2.3 At the conclusion of each round of negotiations, tenderers shall be invited by the employer to make a fresh tender offer, based on the same evaluation criteria, with or without adjusted weightings. Tenderers shall be advised when they are to submit their best and final offer.

F.1.6.2.4 The contract shall be awarded in accordance with the provisions of F.3.11 and F.3.13 after tenderers have been requested to submit their best and final offer.

F.1.6.3 Proposal procedure using the two stage-system

F.1.6.3.1 Option 1

Tenderers shall in the first stage submit technical proposals and, if required, cost parameters around which a contract may be negotiated. The employer shall evaluate each responsive submission in terms of the method of evaluation stated in the tender data, and in the second stage negotiate a contract with the tenderer scoring the highest number of evaluation points and award the contract in terms of these conditions of tender.

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	TI	T2	C1	C2	C3	C4

F.1.6.3.2 Option 2

F.1.6.3.2.1 Tenderers shall submit in the first stage only technical proposals. The employer shall invite all responsive tenderers to submit tender offers in the second stage, following the issuing of procurement documents.

F.1.6.3.2.2 The employer shall evaluate tenders received during the second stage in terms of the method of evaluation stated in the tender data and award the contract in terms of these conditions of tender.

F.2 Tenderer’s obligations

F.2.1 Eligibility

F.2.1.1 Submit a tender offer only if the tenderer satisfies the criteria stated in the tender data and the tenderer, or any of his principals, is not under any restriction to do business with employer.

F.2.1.2 Notify the employer of any proposed material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used by the employer as the basis in a prior process to invite the tenderer to submit a tender offer and obtain the employer’s written approval to do so prior to the closing time for tenders.

F.2.2 Cost of tendering

F.2.2.1 Accept that, unless otherwise stated in the tender data, the employer will not compensate the tenderer for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer complies with requirements.

F.2.2.2 The cost of the tender documents charged by the employer shall be limited to the actual cost incurred by the employer for printing the documents. Employers must attempt to make available the tender documents on its website so as not to incur any costs pertaining to the printing of the tender documents.

F.2.3 Check documents

Check the tender documents on receipt for completeness and notify the employer of any discrepancy or omission.

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	TI	T2	C1	C2	C3	C4

F.2.4 Confidentiality and copyright of documents

Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the employer only for the purpose of preparing and submitting a tender offer in response to the invitation.

F.2.5 Reference documents

Obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, conditions of contract and other publications, which are not attached but which are incorporated into the tender documents by reference.

F.2.6 Acknowledge addenda

Acknowledge receipt of addenda to the tender documents, which the employer may issue, and if necessary apply for an extension to the closing time stated in the tender data, in order to take the addenda into account.

F.2.7 Clarification meeting

Attend, where required, a clarification meeting at which tenderers may familiarize themselves with aspects of the proposed work, services or supply and raise questions. Details of the meeting(s) are stated in the tender data.

F.2.8 Seek clarification

Request clarification of the tender documents, if necessary, by notifying the employer at least five working days before the closing time stated in the tender data.

F.2.9 Insurance

Be aware that the extent of insurance to be provided by the employer (if any) might not be for the full cover required in terms of the conditions of contract identified in the contract data. The tenderer is advised to seek qualified advice regarding insurance.

F.2.10 Pricing the tender offer

F.2.10.1 Rates, prices, and the tendered totals must include all duties, taxes and VAT.

F.2.10.2 As this project forms part of the Department of Human Settlement’s housing projects, VAT **is not be applicable** and must not be added to the tendered total.

F.2.10.3 Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the conditions of contract identified in the contract data.

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	TI	T2	C1	C2	C3	C4

F.2.10.4 State the rates and prices in Rand unless instructed otherwise in the tender data. The conditions of contract identified in the contract data may provide for part payment in other currencies.

F.2.11 Alterations to documents

Do not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer, or necessary to correct errors made by the tenderer. All signatories to the tender offer shall initial all such alterations.

F.2.12 Alternative tender offers

F.2.12.1 Unless otherwise stated in the tender data, submit alternative tender offers only if a main tender offer, strictly in accordance with all the requirements of the tender documents, is also submitted as well as a schedule that compares the requirements of the tender documents with the alternative requirements that are proposed.

F.2.12.2 Accept that an alternative tender offer may be based only on the criteria stated in the tender data or criteria otherwise acceptable to the employer.

F.2.12.3 An alternative tender offer may only be considered in the event that the main tender offer is the winning tender.

F.2.13 Submitting a tender offer

F.2.13.1 Submit one tender offer only, either as a single tendering entity or as a member in a joint venture to provide the whole of the works, services or supply identified in the contract data and described in the scope of works, unless stated otherwise in the tender data.

F.2.13.2 Return all returnable documents to the employer after completing them in their entirety, either electronically (if they were issued in electronic format) or by writing legibly in non-erasable ink.

F.2.13.3 Submit the parts of the tender offer communicated on paper as an original plus the number of copies stated in the tender data, with an English translation of any documentation in a language other than English, and the parts communicated electronically in the same format as they were issued by the employer.

F.2.13.4 Sign the original and all copies of the tender offer where required in terms of the tender data. The employer will hold all authorized signatories liable on behalf of the tenderer. Signatories for tenderers proposing to contract as joint ventures shall state which of the signatories is the lead partner whom the employer shall hold liable for the purpose of the tender offer.

F.2.13.5 Seal the original and each copy of the tender offer as separate packages marking the packages as "ORIGINAL" and "COPY". Each package shall state on the outside the employer's

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	TI	T2	C1	C2	C3	C4

address and identification details stated in the tender data, as well as the tenderer's name and contact address.

F.2.13.6 Where a two-envelope system is required in terms of the tender data, place and seal the returnable documents listed in the tender data in an envelope marked "financial proposal" and place the remaining returnable documents in an envelope marked "technical proposal". Each envelope shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.

F.2.13.7 Seal the original tender offer and copy packages together in an outer package that states on the outside only the employer's address and identification details as stated in the tender data.

F.2.13.8 Accept that the employer will not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.

F.2.13.9 Accept that tender offers submitted by facsimile or e-mail will be rejected by the employer, unless stated otherwise in the tender data.

F.2.14 Information and data to be completed in all respects

Accept that tender offers, which do not provide all the data or information requested completely and in the form required, may be regarded by the employer as non-responsive.

F.2.15 Closing time

F.2.15.1 Ensure that the employer receives the tender offer at the address specified in the tender data not later than the closing time stated in the tender data. Accept that proof of posting shall not be accepted as proof of delivery.

F.2.15.2 Accept that, if the employer extends the closing time stated in the tender data for any reason, the requirements of these conditions of tender apply equally to the extended deadline.

F.2.16 Tender offer validity

F.2.16.1 Hold the tender offer(s) valid for acceptance by the employer at any time during the validity period stated in the tender data after the closing time stated in the tender data.

F.2.16.2 If requested by the employer, consider extending the validity period stated in the tender data for an agreed additional period with or without any conditions attached to such extension.

F.2.16.3 Accept that a tender submission that has been submitted to the employer may only be withdrawn or substituted by giving the employer's agent written notice before the closing time for tenders that a tender is to be withdrawn or substituted.

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	TI	T2	C1	C2	C3	C4

F.2.16.4 Where a tender submission is to be substituted, submit a substitute tender in accordance with the requirements of F.2.13 with the packages clearly marked as “SUBSTITUTE”.

F.2.17 Clarification of tender offer after submission

Provide clarification of a tender offer in response to a request to do so from the employer during the evaluation of tender offers. This may include providing a breakdown of rates or prices and correction of arithmetical errors by the adjustment of certain rates or item prices (or both). No change in the competitive position of tenderers or substance of the tender offer is sought, offered, or permitted.

Note: Sub-clause F.2.17 does not preclude the negotiation of the final terms of the contract with a preferred tenderer following a competitive selection process, should the Employer elect to do so.

F.2.18 Provide other material

F.2.18.1 Provide, on request by the employer, any other material that has a bearing on the tender offer, the tenderer’s commercial position (including notarized joint venture agreements), preferencing arrangements, or samples of materials, considered necessary by the employer for the purpose of a full and fair risk assessment. Should the tenderer not provide the material, or a satisfactory reason as to why it cannot be provided, by the time for submission stated in the employer’s request, the employer may regard the tender offer as non-responsive.

F.2.18.2 Dispose of samples of materials provided for evaluation by the employer, where required.

F.2.19 Inspections, tests and analysis

Provide access during working hours to premises for inspections, tests and analysis as provided for in the tender data.

F.2.20 Submit securities, bonds and policies

If requested, submit for the employer’s acceptance before formation of the contract, all securities, bonds, guarantees, policies and certificates of insurance required in terms of the conditions of contract identified in the contract data.

F.2.21 Check final draft

Check the final draft of the contract provided by the employer within the time available for the employer to issue the contract.

F.2.22 Return of other tender documents

If so instructed by the employer, return all retained tender documents within 28 days after the expiry of the validity period stated in the tender data.

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	TI	T2	C1	C2	C3	C4

F.2.23 Certificates

Include in the tender submission or provide the employer with any certificates as stated in the tender data.

F.3 The employer’s undertakings

F.3.1 Respond to requests from the tenderer

F.3.1.1 Unless otherwise stated in the tender Data, respond to a request for clarification received up to five working days before the tender closing time stated in the Tender Data and notify all tenderers who drew procurement documents.

F.3.1.2 Consider any request to make a material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used to prequalify a tenderer to submit a tender offer in terms of a previous procurement process and deny any such request if as a consequence:

- a) an individual firm, or a joint venture as a whole, or any individual member of the joint venture fails to meet any of the collective or individual qualifying requirements;
- b) the new partners to a joint venture were not prequalified in the first instance, either as individual firms or as another joint venture; or
- c) in the opinion of the Employer, acceptance of the material change would compromise the outcome of the prequalification process.

F.3.2 Issue Addenda

If necessary, issue addenda that may amend or amplify the tender documents to each tenderer during the period from the date that tender documents are available until three days before the tender closing time stated in the Tender Data. If, as a result a tenderer applies for an extension to the closing time stated in the Tender Data, the Employer may grant such extension and, shall then notify all tenderers who drew documents.

F.3.3 Return late tender offers

Return tender offers received after the closing time stated in the Tender Data, unopened, (unless it is necessary to open a tender submission to obtain a forwarding address), to the tenderer concerned.

F.3.4 Opening of tender submissions

F.3.4.1 Unless the two-envelope system is to be followed, open valid tender submissions in the presence of tenderers’ agents who choose to attend at the time and place stated in the tender data. Tender submissions for which acceptable reasons for withdrawal have been submitted will not be opened.

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	TI	T2	C1	C2	C3	C4

F.3.4.2 Announce at the meeting held immediately after the opening of tender submissions, at a venue indicated in the tender data, the name of each tenderer whose tender offer is opened and, where applicable, the total of his prices, number of points claimed for its BBBEE status level and time for completion for the main tender offer only.

F.3.4.3 Make available the record outlined in F.3.4.2 to all interested persons upon request.

F.3.5 Two-envelope system

F.3.5.1 Where stated in the tender data that a two-envelope system is to be followed, open only the technical proposal of valid tenders in the presence of tenderers’ agents who choose to attend at the time and place stated in the tender data and announce the name of each tenderer whose technical proposal is opened.

F.3.5.2 Evaluate functionality of the technical proposals offered by tenderers, then advise tenderers who remain in contention for the award of the contract of the time and place when the financial proposals will be opened. Open only the financial proposals of tenderers, who score in the functionality evaluation more than the minimum number of points for functionality stated in the tender data, and announce the score obtained for the technical proposals and the total price and any points claimed on BBBEE status level. Return unopened financial proposals to tenderers whose technical proposals failed to achieve the minimum number of points for functionality.

F.3.6 Non-disclosure

Not disclose to tenderers, or to any other person not officially concerned with such processes, information relating to the evaluation and comparison of tender offers, the final evaluation price and recommendations for the award of a contract, until after the award of the contract to the successful tenderer.

F.3.7 Grounds for rejection and disqualification

Determine whether there has been any effort by a tenderer to influence the processing of tender offers and instantly disqualify a tenderer (and his tender offer) if it is established that he engaged in corrupt or fraudulent practices.

F.3.8 Test for responsiveness

F.3.8.1 Determine, after opening and before detailed evaluation, whether each tender offer properly received:

- a) complies with the requirements of these Conditions of Tender,
- b) has been properly and fully completed and signed, and
- c) is responsive to the other requirements of the tender documents.

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	TI	T2	C1	C2	C3	C4

F.3.8.2 A responsive tender is one that conforms to all the terms, conditions, and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer’s opinion, would:

- a) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Scope of Work,
- b) significantly change the Employer’s or the tenderer's risks and responsibilities under the contract, or
- c) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified.

Reject a non-responsive tender offer, and not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.

F.3.9 Arithmetical errors, omissions and discrepancies

F.3.9.1 Check the highest ranked tender or tenderer with the highest number of tender evaluation points after the evaluation of tender offers in accordance with F.3.11 for:

- a) the gross misplacement of the decimal point in any unit rate;
- b) omissions made in completing the pricing schedule or bills of quantities; or
- c) arithmetic errors in:
 - i) line item totals resulting from the product of a unit rate and a quantity in bills of quantities or schedules of prices; or
 - ii) the summation of the prices.

F3.9.2 The employer must correct the arithmetical errors in the following manner:

- a) Where there is a discrepancy between the amounts in words and amounts in figures, the amount in words shall govern.
- b) If bills of quantities or pricing schedules apply and there is an error in the line item total resulting from the product of the unit rate and the quantity, the line item total shall govern and the rate shall be corrected. Where there is an obviously gross misplacement of the decimal point in the unit rate, the line item total as quoted shall govern, and the unit rate shall be corrected.
- c) Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the tenderer's addition of prices, the total of the prices shall govern and the tenderer will be asked to revise selected item prices (and their rates if bills of quantities apply) to achieve the tendered total of the prices.

Consider the rejection of a tender offer if the tenderer does not correct or accept the correction of the arithmetical error in the manner described above.

F.3.10 Clarification of a tender offer

Obtain clarification from a tenderer on any matter that could give rise to ambiguity in a contract arising from the tender offer.

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	TI	T2	C1	C2	C3	C4

F.3.11 Evaluation of tender offers

F.3.11.1 General

Appoint an evaluation panel of not less than three persons. Reduce each responsive tender offer to a comparative offer and evaluate them using the tender evaluation methods and associated evaluation criteria and weightings that are specified in the tender data.

F.3.11.2 Method 1: Price and Preference

In the case of a price and preference:

- 1) Score tender evaluation points for price
- 2) Score points for BBBEE contribution
- 3) Add the points scored for price and BBBEE.

F.3.11.3 Method 2: Functionality, Price and Preference

In the case of a functionality, price and preference:

- 1) Score functionality, rejecting all tender offers that fail to achieve the minimum number of points for functionality as stated in the Tender Data.
- 2) No tender must be regarded as an acceptable tender if it fails to achieve the minimum qualifying score for functionality as indicated in the tender invitation.
- 3) Tenders that have achieved the minimum qualification score for functionality must be evaluated further in terms of the preference points system prescribed in paragraphs 4 and 4 and 5 below.

The **80/20** preference point system for acquisition of services, works or goods up to Rand value of R 50 million

- 4) (a)(i) The following formula must be used to calculate the points for price in respect of tenders(including price quotation) with a rand value equal to, or above R 30 000 and up to Rand value of R 50 000 000 (all applicable taxes included):

$$Ps = 80 \left(1 - \frac{Pt - Pmin}{Pmin} \right)$$

Where

Ps = Points scored for comparative price of tender or offer under consideration;
Pt = Comparative price of tender or offer under consideration; and
Pmin = Comparative price of lowest acceptable tender or offer.

- (4)(a)(ii) An employer of state may apply the formula in paragraph (i) for price quotations with a value less than R30 000, if and when appropriate:

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3				
Part	T1	T2	C1	C2	C3	C4	

(4)(b) Subject to subparagraph(4)(c), points must be awarded to a tender for attaining the B-BBEE status level of contributor in accordance with the table below:

B-BBEE status level of contributor	Number of points
1	20
2	18
3	14
4	12
5	8
6	6
7	4
8	2
Non-compliant contributor	0

(4)(c) A maximum of 20 points may be allocated in accordance with subparagraph (4)(b)

(4)(d) The points scored by tender in respect of B-BBEE contribution contemplated in contemplated in subparagraph (4) (b) must be added to the points scored for price as calculated in accordance with subparagraph (4)(a).

(4)(e) Subject to paragraph 4.3.8 the contract must be awarded to the tender who scores the highest total number of points.

The 90/10 preference points system for acquisition of services, works or goods with a Rand value above R 50 million

(5)(a) The following formula must be used to calculate the points for price in respect of tenders with a Rand value above R 50 000 000 (all applicable taxes included):

$$Ps = 90 \left(1 - \frac{Pt - Pmin}{Pmin} \right)$$

Where

Ps = Points scored for comparative price of tender or offer under consideration;

Pt = Comparative price of tender or offer under consideration; and

Pmin = Comparative price of lowest acceptable tender or offer.

(5)(b) Subject to subparagraph(5)(c), points must be awarded to a tender for attaining the B-BBEE status level of contributor in accordance with the table below:

B-BBEE status level of contributor	Number of points
1	10

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3				
Part	T1	T2	C1	C2	C3	C4	

2	9
3	6
4	5
5	4
6	3
7	2
8	1
Non-compliant contributor	0

- (5)(c) A maximum of 10 points may be allocated in accordance with subparagraph (5)(b).
- (5)(d) The points scored by tender in respect of B-BBEE contribution contemplated in subparagraph (5) (b) must be added to the points scored for price as calculated in accordance with subparagraph (5)(a).
- (5)(e) Subject to paragraph 4.3.8 the contract must be awarded to the tender who scores the highest total number of points.

F.3.11.6 Decimal places

Score price, preference and functionality, as relevant, to two decimal places.

F.3.11.7 Scoring Price

Score price of remaining responsive tender offers using the following formula:

$$N_{FO} = W_1 \times A$$

where: N_{FO} is the number of tender evaluation points awarded for price.
 W_1 is the maximum possible number of tender evaluation points awarded for price as stated in the Tender Data.
A is a number calculated using the formula and option described in Table F.1 as stated in the Tender Data.

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3				
Part	T1	T2	C1	C2	C3	C4	

Table F.1: Formulae for calculating the value of A

Formula	Comparison aimed at achieving	Option 1 ^a	Option 2 ^a
1	Highest price or discount	$A = (1 + \frac{(P - P_m)}{P_m})$	$A = P / P_m$
2	Lowest price or percentage commission / fee	$A = (1 - \frac{(P - P_m)}{P_m})$	$A = P_m / P$
a	P _m is the comparative offer of the most favourable tender offer. P is the comparative offer of tender offer under consideration.		

F.3.11.8 Scoring preferences

Confirm that tenderers are eligible for the preferences claimed in accordance with the provisions of the tender data and reject all claims for preferences where tenderers are not eligible for such preferences.

Calculate the total number of tender evaluation points for preferences claimed in accordance with the provisions of the tender data.

F.3.11.9 Scoring functionality

Score each of the criteria and sub criteria for quality in accordance with the provisions of the Tender Data.

Calculate the total number of tender evaluation points for quality using the following formula:

$$N_q = W_2 \times S_o / M_s$$

where: S_o is the score for quality allocated to the submission under consideration;

M_s is the maximum possible score for quality in respect of a submission;
and

W₂ is the maximum possible number of tender evaluation points awarded for the quality as stated in the tender data

F.3.12 Insurance provided by the employer

If requested by the proposed successful tenderer, submit for the tenderer's information the policies and / or certificates of insurance which the conditions of contract identified in the contract data, require the employer to provide.

F.3.13 Acceptance of tender offer

Accept the tender offer, if in the opinion of the employer, it does not present any risk and only if the tenderer:

- is not under restrictions, or has principals who are under restrictions, preventing participating in the employer's procurement,
- can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses the professional and technical qualifications, professional and technical

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3				
Part	T1	T2	C1	C2	C3	C4	

competence, financial resources, equipment and other physical facilities, managerial capability, reliability, experience and reputation, expertise and the personnel, to perform the contract,

- c) has the legal capacity to enter into the contract,
- d) is not insolvent, in receivership, under Business Rescue as provided for in chapter 6 of the Companies Act, 2008, bankrupt or being wound up, has his affairs administered by a court or a judicial officer, has suspended his business activities, or is subject to legal proceedings in respect of any of the foregoing,
- e) complies with the legal requirements, if any, stated in the tender data, and
- f) is able, in the opinion of the employer, to perform the contract free of conflicts of interest.

F.3.14 Prepare contract documents

F.3.14.1 If necessary, revise documents that shall form part of the contract and that were issued by the employer as part of the tender documents to take account of:

- a) addenda issued during the tender period,
- b) inclusion of some of the returnable documents, and
- c) other revisions agreed between the employer and the successful tenderer.

F.3.14.2 Complete the schedule of deviations attached to the form of offer and acceptance, if any.

F.3.15 Complete adjudicator's contract

Unless alternative arrangements have been agreed or otherwise provided for in the contract, arrange for both parties to complete formalities for appointing the selected adjudicator at the same time as the main contract is signed.

F.3.16 Notice to unsuccessful tenderers

F.3.16.1 Notify the successful tenderer of the employer's acceptance of his tender offer by completing and returning one copy of the form of offer and acceptance before the expiry of the validity period stated in the tender data or agreed additional period.

F.3.16.2 After the successful tenderer has been notified of the employer's acceptance of the tender, notify other tenderers that their tender offers have not been accepted.

F.3.17 Provide copies of the contracts

Provide to the successful tenderer the number of copies stated in the Tender Data of the signed copy of the contract as soon as possible after completion and signing of the form of offer and acceptance.

F.3.18 Provide written reasons for actions taken

Provide upon request written reasons to tenderers for any action that is taken in applying these conditions of tender but withhold information which is not in the public interest to be divulged, which is considered to prejudice the legitimate commercial interests of tenderers or might prejudice fair competition between tenderers.

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3				
Part	T1	T2	C1	C2	C3	C4	

F3.19 Transparency in the procurement process

F3.19.1 The CIDB prescripts require that tenders must be advertised and be registered on the “CIDB i.Tender system”.

F3.19.2 The employer must adopt a transparency model that incorporates the disclosure and accountability as transparency requirements in the procurement process.

F3.19.3 The transparency model must identify the criteria for selection of projects, project information template and the threshold value of the projects to be disclosed in the public domain at various intervals of delivery of infrastructure projects.

F3.19.4 The client must publish the information on a quarterly basis which contains the following information:

- Procurement planning process
- Procurement method and evaluation process
- Contract type
- Contract status
- Number of firms tendering
- Cost estimate
- Contract title
- Contract firm(s)
- Contract price
- Contract scope of work
- Contract start date and duration
- Contract evaluation reports

F3.19.5 The employer must establish a Consultative Forum which will conduct a random audit in the implementation of the transparency requirements in the procurement process.

F3.19.6 Consultative Forum must be an independent structure from the bid committees.

F3.19.7 The information must be published on the employer’s website.

F 3.19.8 Records of such disclosed information must be retained for audit purposes.

Employer:		Contractor:	
Witness:		Witness:	

Volume	1	2	3			
Part	T1	T2	C1	C2	C3	C4

Department of Human Settlements



Govan Mbeki Local Municipality



VOLUME 1

KINROSS EXT.33 & EXT 34- BULK ENGINEERING SERVICES IN GOVAN MBEKI LOCAL MUNICIPALITY

PART C1: AGREEMENT AND CONTRACT DATA

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Employer:		Contractor:	
Witness:		Witness:	

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C1.1 FORM OF OFFER (AGREEMENT)

C1.1.1 FORM OF OFFER

THE TENDERER IS TO COMPLETE AND SIGN THE FORM OF OFFER

The Employer, identified in the Acceptance signature block, has solicited offers to enter into a contract in respect of the following works:

CONTRACT NO. DHD 082022 – KINROSS EXT.33 & EXT 34- BULK ENGINEERING SERVICES IN GOVAN MBEKI LOCAL MUNICIPALITY

The Tenderer, identified in the Offer signature block below, has examined the documents listed in the Tender Data and addenda thereto as listed in the Tender Schedules, and by submitting this Offer has accepted the Conditions of Tender.

By the representative of the Tenderer, deemed to be duly authorised, signing this part of this Form of Offer and Acceptance, the Tenderer offers to perform all of the obligations and liabilities of the Contractor under the Contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the Conditions of Contract identified in the Contract Data.

THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE ADDED TAX IS

_____ Rand (in words); R _____ (in figures),
(firm)* (adjustable)* *(delete which does not apply)

This offer may be accepted by the Employer by signing the Acceptance part of this Form of Offer and Acceptance and returning one copy of this document to the Tenderer before the end of the period of validity stated in the Tender Data, whereupon the Tenderer becomes the party named as the Contractor in the Conditions of Contract identified in the Contract Data.

Signature(s)

Name(s)

Capacity

For the Tenderer

(Name and address of organisation)

Name and signature of witness

Date _____

Employer:		Contractor:	
Witness:		Witness:	

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C1.1.2 FORM OF ACCEPTANCE

THE EMPLOYER IS TO COMPLETE AND SIGN THE FORM OF ACCEPTANCE

By signing this part of the Form of Offer and Acceptance, **the Employer** identified below accepts the Tenderer's Offer. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the Conditions of Contract identified in the Contract Data. Acceptance of the Tenderer's Offer shall form an agreement between the Employer and the Tenderer upon the terms and conditions contained in this Agreement and in the Contract that is the subject of this Agreement.

The terms of the contract are contained in

- Part 1 Agreement and Contract Data, (which includes this Agreement)
- Part 2 Pricing Data
- Part 3 Scope of Work
- Part 4 Site Information

and drawings and documents or parts thereof, which may be incorporated by reference into Parts 1 to 4 above.

Deviations from and amendments to the documents listed in the Tender Data and any addenda thereto listed in the Tender Schedules as well as any changes to the terms of the Offer agreed by the Tenderer and the Employer during this process of offer and acceptance, are contained in the Schedule of Deviations attached to and forming part of this Agreement. No amendments to or deviations from said documents are valid unless contained in this Schedule, which must be duly signed by the authorised representative(s) of both parties.

The Tenderer shall within **Fourteen (14) days** after receiving a completed copy of this Agreement, including the Schedule of Deviations (if any), contact the employer's agent (whose details are given in the Contact Data) to arrange the delivery of any bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the Conditions of Contract identified in the Contract Data at, or just after, the date of this Agreement comes into effect. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this Agreement.

Notwithstanding anything contained herein, this Agreement comes into effect on the date when the Tenderer receives one fully completed original copy of this document, including the Schedule of Deviations (if any). Unless the Tenderer (now the Contractor) within **five days** after the date of such receipt notifies the Employer in writing of any reason why he cannot accept the contents of this Agreement, this Agreement shall constitute binding contract between the parties,

FOR EMPLOYER OFFICIAL USE ONLY

Signature(s)

Name(s)

Capacity

For the Employer

*Department of Human Settlements, No. 7 Government Boulevard,
Riverside Park Extension 2, Nelspruit*

(Name and address of organisation)

Name and signature of witness

Date _____

Employer:		Contractor:	
Witness:		Witness:	

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C1.1.3 SCHEDULE OF DEVIATIONS

Notes:

1. The extent of deviations from the tender documents issued by the employer prior to the tender closing date is limited to those permitted in terms of the Conditions of Tender;
2. A Tenderer's covering letter shall not be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid become the subject of agreements reached during the process of offer and acceptance, the outcome of such agreement shall be recorded here;
3. Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the tender documents and which it is agreed by the Parties becomes an obligation of the contract shall also be recorded here; and
4. Any change or addition to the tender documents arising from the above arrangements and recorded here shall also be incorporated into the final draft of the Contract.

1 Subject _____

Details _____

2 Subject _____

Details _____

3 Subject _____

Details _____

4 Subject _____

Details _____

5 Subject _____

Details _____

6 Subject _____

Details _____

7 Subject _____

Details _____

8 Subject _____

Details _____

By the duly authorised representatives signing this Schedule of Deviations, the Employer and the Tenderer agree to and accept the foregoing Schedule of deviations as the only deviations from and amendments to the documents listed in the Tender Data and addenda thereto as listed in the Tender Schedules, as well as any confirmation, clarification or change to the terms of the offer agreed by the Tenderer and the Employer during the process of offer and acceptance.

Employer:		Contractor:	
Witness:		Witness:	

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It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the Tenderer of a completed and signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this Agreement.

**For the Tenderer:
Signature(s)**

Name(s)

Capacity

(Name and address of organisation)

**Name and
signature of
witness**

Date

**For the Employer:
Signature(s)**

Name(s)

Capacity

*Department of Human Settlements, No. 7 Government Boulevard,
Riverside Park Extension 2, Nelspruit*

(Name and address of organisation)

**Name and
signature of
witness**

Date

Employer:		Contractor:	
Witness:		Witness:	

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C1.2 CONTRACT DATA

C1.2.1 PART 1: DATA PROVIDED BY THE EMPLOYER

CONDITIONS OF CONTRACT

The General Conditions of Contract for Construction Works Third Edition (2015), published by the South African Institution of Civil Engineering, Private Bag X200, Halfway House, 1685, is applicable to this Contract and is obtainable from www.saice.org.za.

CONTRACT SPECIFIC DATA

The following contract specific data are applicable to this Contract:

GCC Clause	Information
1.1.1.13	The Defects Liability Period is 52 weeks from the date of the Certificate of Completion.
1.1.1.15	The name of the Employer is Department of Human Settlements, the contact person is Mr. P.G. Mpofu
1.1.1.16	The name of the Employer's Agent is Mr. S. Masinga and who is Registered Professional with the Engineering Council of South Africa
1.1.1.26	The Pricing Strategy is Re-measurement Contract.
1.2.1.2	The address of the Employer is: Physical No. 7 Government Boulevard Building No.6 & 7, Riverside Park Ext 2, Nelspruit, 1200 Tel: 013 766 6315 Fax: 013 766 8441/2 Email: mpofupg@mpg.gov.za or mpofupg@gmail.com
1.2.1.2	The address of the Employer's Agent is: Physical FT Consultants 7 Ehmke Street Mbombela 1201 Postal PO Box 3999 Mbombela 1201 Tel : 013 752 8523 Fax: 013 753 3915 Email: stanelymasher@gmail.com
5.1.1 and 5.8.1	The non-working days are Saturdays and Sundays Special non-working days are: 1. All Public Holidays in terms of the Public Holidays Act as amended. 2. The year-end break commences on 15 December and ending on the first working Monday of January of the succeeding year.
5.3.1	The documentation required before commencement with Works execution are: <ul style="list-style-type: none"> • Health and Safety Plan (Clause 4.3) • Initial programme (Clause 5.6) • Guarantee from Bank or Insurance Company (Clause 6.2) • Insurance of Construction Machinery Plant (Clause 8.6) • Insurance of Motor Vehicle Liability (Clause 8.6) • Commissioner of COID (Clause 8.6) • Signed Notification to the Department of Labour • Construction Permit where applicable

Employer:		Contractor:	
Witness:		Witness:	

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GCC Clause	Information
5.3.2	The time to submit the Contract documentation required before commencement of the Works is 14 days.
5.13.1	The penalty for failing to complete the Works is calculated as 0.03% of the contract value excl. VAT per day.
5.16.3	The latent defects period is 10 years.
6.2.1	The liability of the guarantee shall be 10% of the tendered sum
6.8.3	Price adjustments for variations in the costs of special materials Not allowed.
6.10.1.5	The percentage advance on materials not yet built into the Permanent Works is 80%. Proof of ownership and indemnity is required.
6.10.3	The percentage retention on the amounts due to the Contractor is 10%.
6.10.3	The limit of retention money is 5% of the contract price
6.10.6	A Retention Money Guarantee is not permitted.
6.11	Delete Clause 6.11. General items will not be adjusted should there be a decrease or increase of scope.
8.4.1.1	Add to the end of Clause 8.4.1.1 the following text: “hereby indemnifies the Employer against any liability in respect of damage or physical loss of property of any person or injury or death of any person due to non-compliance with the Occupational Health and Safety Act (Act 85 of 1993), ”
8.6 8.6.1	Delete Clause 8.6.1 and replace it with the following: Notwithstanding anything elsewhere contained in the Contract and without limiting the obligations, liabilities or responsibilities of the Contractor in any way whatsoever (including but not limited to any requirement for the provision by the Contractor of any other insurances) the Employer shall effect and maintain as appropriate the following insurances in the joint names of Employer and Contractor which are subject to the terms limits exceptions and conditions of the Policy :
8.6.1.1	Contract Works Insurance – which will provide cover against accidental and Physical loss of or damage to the Works, Temporary Works and Materials intended for incorporation in the Works from whatsoever cause arising other than causes set out in Clause 8.3.1, and for a sum insured which shall, unless otherwise specified in the Contract, be the aggregate of:
8.6.1.1.1	The Contract Price,
8.6.1.1.2	a sum to cover the value (specified at the time of delivery to the Contractor) of materials supplied by the Employer for incorporation in the Works and not included in the Contract Price is Nil, and
8.6.1.1.3	a sum to cover professional fees, not included in the Contract Price, payable in respect of the repair or reinstatement of damage to the Works to be included in the insurance sum is R100,000.00.
8.6.1.2	Following the introduction of legislation affecting the articles of the South African Special Risks Insurance Association (SASRIA) , insurance cover for loss or damage to the Works caused by any event defined as a risk in terms of the insurance offered by SASRIA, will be provided under a certificate issued by SASRIA.
8.6.1.3	Public Liability Insurance which will provide indemnity against legal liability in the event of accidental death of or injury to third party persons and/or loss or damage to third party property arising directly from the execution of the Contract and occurring during the period of Insurance with a limit of indemnity of R 5,0 million in respect of all claims arising from any one occurrence or series of occurrences consequent on or attributable to one source or original cause..
8.6.1.4	Full details of the Contract Works and Public Liability insurances effected by the Employer may be obtained upon request from the Employer and the Contractor/Subcontractors are deemed to be aware

Employer:		Contractor:	
Witness:		Witness:	

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GCC Clause	Information
	of the terms, exclusions and conditions of these insurances.
8.6.1.5	The Employer shall pay the premium in connection with the insurances effected by the Employer in 8.6.1.1, 8.6.1.2 and 8.6.1.3 above.
8.6.2	The Employer/Contractor/Sub-contractors and/or any other party who obtains indemnity under the policies effected under 8.6.1.1, 8.6.1.2 and 8.6.1.3 above shall become liable for the deductibles (first amount payable) which are applicable in respect of each and every occurrence or series of occurrences attributable to one source or cause giving rise to loss or damage or indemnifiable liability.
8.6.3	In the event of an occurrence which is likely to give rise to a claim under the insurance effected by the Employer, the following procedure shall be adhered to:
8.6.3.1	In addition to any statutory requirements and/or other requirements contained in the Conditions of Contract, the Contractor shall immediately notify the Employer's Insurance Brokers, giving the circumstances, nature and an estimate of the loss or damage.
8.6.3.2	The Contractor shall, when required, complete a claims advice form, available from the Employer's Insurance Brokers, to whom the form shall be returned without delay.
8.6.3.3	The Contractor shall afford all access to the representatives of the Insurers for the purpose of the assessment of any loss or damage.
8.6.3.4	Negotiations on the settlement of claims shall be conducted by the Contractor/Sub-Contractor with the Insurers through the Employer's Insurance Brokers.
8.6.4	Any amount which becomes payable to the Contractor or any of his Sub-Contractors as a result of claim under the Contract Works Insurance shall if required by the Employer be paid net of the deductible to the Employer who shall pay the Contractor from the proceeds of such payment upon rectification repair or reinstatement of the loss or damage but this provision shall not in any way affect the Contractor's obligations liabilities or responsibilities in terms of the Contract.
8.6.1.1	Add the following clause below 8.6.1.1 above: The Contractor shall insure all Constructional Machinery and Plant (including tools, offices and other temporary structures and content) and other items, other than those intended for incorporation into the works, owned, leased or hired brought on to the Site against all risks of physical loss or damage for the period such Plant shall be on the Site to the full value thereof. In respect of Plant brought on to the Site by or on behalf of Sub-Contractors the Contractor shall be deemed to have complied with the provisions of this Sub-Clause by ensuring that such Sub-Contractors have similarly insured such Plant and Machinery. Such insurance shall be effected with a registered Insurer approved by the Employer (which approval shall not be unreasonably withheld) and the Contractor shall, when required, submit to the Employer's Insurance Brokers, the policy or policies of insurance and receipts for payment of the current premiums.
8.6.6	The Contractor and the Sub-contractors shall effect and maintain at their cost insurance under the provision of the Compensation for Occupational Injuries and Diseases Act (COID), 1993 (Act No. 130 of 1993).
8.6.7	The Contractor and the Sub-Contractors shall effect and maintain at their own cost motor vehicle liability insurance with at least indemnification for "balance of third party" risks, including passenger liability with a limit of indemnity of not less than R 2,5 million.
Add the following Clause 8.6.8	The Contractor and the Sub-Contractors shall effect and maintain at their own cost any additional insurance, which they deem necessary to cover damage or loss or injury not insured in terms of the insurance effected by the Employer. Such insurance shall be effected with an Insurer and in terms approved by the Employer (which approval shall not be unreasonably withheld) and the Contractor shall, when required, submit to the Employer's Insurance Brokers the policy or policies of insurance and the receipts for payment of the current premiums. If the Contract entails manufacture and or assembly of the Works or part thereof on a site other than the Contract site, the Contractor must satisfy the Employer that all materials and equipment intended for incorporation into the Works are adequately insured during manufacture and assembly. If the Employer has an insurable interest in such works during manufacture or assembly, such interest shall be recorded by way of endorsement on the policies concerned. The Contractor shall furnish the appropriate insurance policies to the

Employer:		Contractor:	
Witness:		Witness:	

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GCC Clause	Information
	Employer within 14 days from the Commencement of Contract Date.
Add the following Clause 8.6.9	Submission of the Tender will be construed by the Employer as acceptance by the Contractor that he is satisfied with the insurance effected by the Employer supplemented by any additional insurance which he shall specify in the manner provided for in the Schedule of Rates.
Add the following Clause 8.6.10	The Contractor shall give all notices and observe all conditions and requirements imposed by any and all relevant insurance policies which shall be read as being part of the General Conditions of Contract and which shall be binding on the Contractor.
Add the following Clause 8.6.11	In addition to any statutory obligations, or other requirements contained in the Conditions of Contract, the Contractor shall report in writing to both the Employer's Agent and the Employer's Insurance Brokers every accident within 48 hours of its occurrence, whether such accident is in respect of damage to persons or property. The report shall contain full details of the accident. The Employer's Agent and/or the Employer's Insurers shall have the right to make all and any enquiries either on the Site or elsewhere as to the cause and results of any such accident and the Contractor shall give the Employer's Agent and/or the Employer's Insurers full facilities for carrying out such enquiries.
Add the following Clause 8.6.12	Negotiations on the settlement of claims under the insurance effected by the Employer shall be conducted by the Contractor/Sub-Contractor with the Insurers through the Employer's Insurance Brokers.
Add the following Clause 8.6.13	Any claims against the insurance effected by the Employer shall be subject to the Contractor being responsible for the payment of the amount stated in the Policy as being the Deductible (First Amount Payable) as defined in the Policy.
Add the following Clause 8.6.14	The Employer shall not be liable for or in respect of any damages or compensation payable at law in respect or in consequence of any accident or injury to any workman or other person in the employ of the Contractor or any Sub-Contractor save and except an accident or injury resulting from any act or default of the Employer, its agents or servants and the Contractor shall be deemed to have indemnified and shall keep indemnified the Employer against all such damages and compensation (save and except as aforesaid) and against all claims, demands, proceedings, costs, charges and expenses whatsoever in respect thereof or in relation thereto.
Add the following Clause 8.6.15	The Contractor shall insure in the joint names of the Employer, the Contractor and all Sub-Contractors (whether selected or otherwise) for an amount of R2million per occurrence against the liability stated in Sub-Clause 8.6.6 with a registered Insurer approved by the Employer (which approval shall not be unreasonably withheld) and shall continue such insurance during the whole of the time that any persons are employed by him on the Works and shall submit to the Employer's Agent such policy of insurance and the receipt of payment of the current premium. Provided always that in respect of any persons employed by any Sub-Contractor, the Contractor's obligation to insure as aforesaid under this Sub-Clause shall be satisfied if the Sub-Contractor shall have insured against the liability in respect of such persons in such manner that the Employer is indemnified under the policy of insurance but the Contractor shall require such Sub-Contractor to produce to the Employer's Agent such policy and the receipt for payment of the current premium.
Add the following Clause 8.6.16	If the Contractor shall fail to effect and keep in force the insurances referred to in this Clause or for any other insurance which he may be required to effect in terms of the Contract, then and in any such case the Employer may effect and keep in force any such insurance and pay such premium or premiums as may be necessary for that purpose and from time to time deduct the amount so paid by the Employer as aforesaid from any monies due or which may become due to the Contractor or recover the same as a debt due from the Contractor.
Add the following Clause	The Contractor shall ensure that all proposed and appointed sub-contractors are fully aware of the contents of Clause 8.6.1, 8.6.2 and any applicable insurances.

Employer:		Contractor:	
Witness:		Witness:	

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GCC Clause	Information
8.6.17	
8.6.1.1.2	The value of the materials supplied by the Employer to be included in the insurance sum is nil.
8.6.1.1.3	The amount to cover professional fees for repairing damage and loss to be included in the insurance sum is 0.00.
10.5.1	Dispute resolution shall be by standing adjudication.
10.5.3	The adjudication board shall consist of three members.
10.7.1	The determination of disputes shall be by arbitration if amicable settlement has failed.

C1.2.1.1 Variations to General Conditions of Contract

Add the following Table:

3.2.4	<p>Employer’s Agent for Health and Safety</p> <p>Replace Clause 3.2.4 with the following:</p> <p>‘In terms of Clause 1.3.2, all parties to the Contract shall be subject to the relevant requirements of the Construction Regulations 2014 (as amended) of the Occupational Health and Safety Act, Act 85 of 1993 (as amended).’</p> <p>Add the following at the end of the above new replacement Clause 3.2.4:</p> <p>‘Where the Employer is obliged to appoint an Employer’s Agent for Health and Safety in terms of the Construction Regulations 2014 (as amended) of the Occupational Health and Safety Act (Act 85 of 1993 as amended), and where such Employer’s Agent for Health and Safety has complied with the registration requirements of a Construction Health and Safety Agent as a specified category in terms of section 18 (1) (c) of the Project and Construction Management Professions Act (Act 48 of 2000), the applicable clauses of the latest edition of the “Standard Scope of Services for Construction Health and Safety Agents Registered in Terms of Section 18(1)(c) of the Project and Construction Management Professions Act (Act No. 48 Of 2000)”, including Clauses 2.2.5 “STAGE 5 - CONSTRUCTION DOCUMENTATION AND MANAGEMENT”, and 2.2.6 “STAGE 6 - PROJECT CLOSE – OUT”, and 2.2.7 “ADDITIONAL RELATED SERVICES”, as published in “Registration Rules for Construction Health and Safety Agents in Terms of Section 18 (1) (c) of the Project and Construction Management Professions Act, 2000 (Act No. 48 of 2000)” by the South African Council for Construction and Project Management Professionals in terms of the Project and Construction Management Professions Act (Act 48 of 2000 as amended), shall also apply.’</p>
5.3.3	<p>Time to instruct commencement of the Works</p> <p>Delete Clause 5.3.3 and replace with the following:</p>

Employer:		Contractor:	
Witness:		Witness:	

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	The Contractor shall commence with carrying out the Works upon written instruction from the Employer's Agent to commence with the Works.
6..10.4	<p>Delivery, dissatisfaction with and payment of payment certificates Delete Clause 6.10.4 and replace with the following:</p> <p>Payment shall be made upon:</p> <ul style="list-style-type: none"> • The Contractor will provide a payment certificate with quantities to the Employer's Agent before or on the 20th of every month. • After the payment certificate has been approved by Employer's Agent, the Contractor must issue an Original Tax Invoice compliant with SARS requirements for Valid Tax Invoice. The date of the Original Tax Invoice must be date the Employer's Agent approved the Payment Certificate. The certificate will then be ready for handing in to the Employer. • Payment will be made end of the following month. <p>Payment shall be subject to the Contractor submitting an Original Tax Invoice compliant with SARS requirements for Valid Tax Invoice to the Employer for the amount due. Any dissatisfaction in respect of such payment certificate shall be dealt with in terms of Clause 10.2.</p>
7.8.2	<p>Cost of making good of defects Amend Clause 7.8.2.1 as follows:</p> <p>In the first line, correct the spelling of 'therefore'.</p>
8.3.1	<p>Excepted risks Amend Clause 8.3.1.11 as follows:</p> <p>In the second line, delete the words 'Employer or any of their' and substitute with 'or any of its'.</p>

C1.2.1.2 Additions to General Conditions of Contract

Add the following Table:

1.1	<p>Definitions</p> <p>Add the following at the end of Sub-Clause 1.1.1:</p>
1.1.1.34	"Client", as used in the Occupational Health and Safety Act and its Construction Regulations, means Employer.
1.1.1.35	"Principal Contractor", as used in the Occupational Health and Safety Act - Construction Regulations, means Contractor.
C1.2.1.2.1	<p>Penalties</p> <p>In addition to GCC 2015 clause 5.13, during the Contract Period should the Contractor:</p> <p>a) Penalties irreversible The Contractor shall note that all penalties once imposed shall be non-recoverable or reversible, even if the default is remedied.</p>
C1.1.1.2.1	<p>Source of instructions</p> <p>The Contractor shall neither seek nor accept instructions from any authority external to the Employer's Agent or their authorized representatives in connection with the performance of his services under this Contract.</p>

Employer:		Contractor:	
Witness:		Witness:	

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C1.2.1.2.2	<p>Officials not to benefit The Contractor warrants that no official of the Employer has been or shall be admitted by the Contractor to any direct or indirect benefit arising from this Contract or the award thereof. The Contractor agrees that breach of this provision is a breach of the Contract.</p>
C1.2.1.2.3	<p>Prevention of corruption The Employer shall be entitled to cancel the Contract and to recover from the Contractor the amount of any loss resulting from such cancellation, if the Contractor has offered or given any person any gift or consideration of any kind as an inducement or reward for doing or intending to do any action in relation to the obtaining or the execution of the Contract or any other contract with the Employer or for showing or intending to show favour or disfavour to any person in relation to the Contract or any other contract with the Employer, if the like acts shall have been done by any persons employed by him or acting on his behalf whether with or without the knowledge of the Contractor in relation to this or any other Contract with the Employer.</p>
C1.2.1.2.4	<p>Confidential nature of documents All maps, drawings, photographs, mosaics, plans, reports, recommendations, estimates, documents and all other data compiled by or received by the Contractor under the Contract shall be the property of the Employer, shall be treated as confidential and shall be delivered only to the Employer's Agent or his duly authorized representative on completion of the Works; their contents shall not be made known by the Contractor to any person other than the personnel of the Contractor performing services under this Contract without the prior written consent of the Employer.</p>
C1.2.1.2.5	<p>Returns of labour, plant, equipment and material The Contractor shall provide a return in detail in the form and at such intervals as the Employer's Agent or his duly authorized representative may prescribe showing the supervisory staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such information respecting constructional plant, equipment and material as the Employer's Agent or his duly authorized representative may require.</p>
C1.2.1.2.6	<p>Date falling on public holiday or weekend Where under the terms of the Contract any act is to be done or any period is to expire upon a certain day and that day or that period fall on a day of rest or recognized holiday or weekend, the Contract shall have effect as if the act were to be done or the period to expire upon the working day following such day.</p>
C1.2.1.2.7	<p>Ambiguities and inconsistencies The Employer or the Contractor shall notify the other as soon as either becomes aware of an ambiguity or inconsistency in or between the documents, which are part of this Contract. Governed by the spirit and intention of the Contract, the Employer's Agent shall give a binding instruction resolving the ambiguity or inconsistency.</p>
C1.2.1.2.8	<p>False claims by the Contractor a) Failure, by the Contractor, to demonstrate or present any feature declared during the procurement stage shall constitute grounds for Contract termination or the market related equivalent price discount, if no market related value is available, the Employer shall give a final ruling on the amount. This shall be at the discretion of the Employer based on the implication of such omission. Should the Contractor refuse to accept the Employer's price, the Contract shall be terminated. b) Any false claims by the Contractor or his staff (with or without his knowledge), based on Works to be performed or completed per site stage shall constitute grounds for Contract termination and result in blacklisting on the Employer's database. The Contractor shall note that any of the above shall constitute non-performance on the part of the Contractor, further resulting in him forfeiting his full Contract Guarantee.</p>

Employer:		Contractor:	
Witness:		Witness:	

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C1.3 FORMS OF SECURITIES

FORMS FOR COMPLETION BY THE CONTRACTOR

THE FOLLOWING FORMS ARE TO BE COMPLETED BY THE CONTRACTOR AFTER THE TENDER HAS BEEN AWARDED TO THE SUCCESSFUL TENDERER

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Blasting Indemnity	(16)
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Occupational Health and Safety Indemnity Undertaking	(20)
Transfer of Rights and Indemnity	(22)

The forms will be completed by the Contractor who will be instructed to do so in the Form of Acceptance. The completed forms will become part of the Contract.

The Form of Guarantee is a pro forma document. An original document, from a financial institution, with the same text will be provided by the Contractor within the time stated in the Contract Data. Only a Bank or approved Insurance Company or Guarantee Corporation is acceptable as Guarantor.

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	CI	C2	C3	C4

FORM OF GUARANTEE PRO-FORMA
Contract No. DHD 082022

WHEREAS Department of Human Settlements, Mpumalanga, (hereinafter referred to as “the Employer”) entered into a Contract with

_____ (hereinafter called “the Contractor”) on the _____ day of _____ 20_____ for the construction of

Contract No. DHD 082022 – KINROSS EXT.33 & EXT 34- BULK ENGINEERING SERVICES IN GOVAN MBEKI LOCAL MUNICIPALITY

AND WHEREAS it is provided by such Contract that the Contractor shall provide the Employer with security by way of a guarantee for the due and faithful fulfillment of such Contract by the Contractor;

AND WHEREAS _____ has/have at the request of the Contractor, agreed to such guarantee;

NOW THEREFORE WE, _____ Do hereby guarantee and bind ourselves jointly and severally as Guarantor and Co-principal Debtors to the Employer under renunciation of the benefits of division and excussion for the due and faithful performance by the Contractor of all the terms and conditions of the said Contract, subject to the following conditions:

1. The Employer shall, without reference and/or notice to us, have complete liberty of action to act in any manner authorised and/or contemplated by the terms of the said Contract, and/or to agree to any modifications, variations, alterations, directions or extensions of the Completion Date of the Works under the said Contract, and that its rights under this guarantee shall in no way be prejudiced nor our liability hereunder be affected by reason of any steps which the Employer may take under such Contract, or of any modification, variation, alteration of the Completion Date which the Employer may make, give, concede or agree to under the said Contract.
2. This guarantee shall be limited to the payment of a sum of money.
3. The Employer shall be entitled, without reference to us, to release any guarantee held by it, and to give time to or compound or make any other arrangement with the Contractor.
4. This guarantee shall remain in force and effect until the issue of the Certificate of Completion in terms of the Contract, unless we are advised in writing by the Employer before the issue of the said Certificate of his intention to institute claims, and the particulars thereof, in which event this guarantee shall remain in full force and effect until all such claims have been paid or liquidated.
5. Our total liability hereunder shall not exceed the sum of _____ (R _____)
6. The guarantor reserves the right to withdraw from this guarantee by depositing the Guaranteed Sum with the beneficiary, whereupon the Guarantor’s liability hereunder shall cease.

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	CI	C2	C3	C4

7. We hereby choose our address for the serving of all notices for all purposes arising here from as

IN WITNESS WHEREOF this guarantee has been executed by us at _____

on this _____ day of _____ 20_____

As witnesses

1. _____

2. _____

Signature

Duly authorised to
sign on behalf of

Address

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	CI	C2	C3	C4

BLASTING INDEMNITY
Contract No. DHD/231/23/MP

Given by _____

*Company Registration No. _____

Address _____

a *Company incorporated with limited liability according to the company laws of the Republic of South Africa, *Partnership, *Close Corporation, *Public Company (hereinafter called the Contractor), represented herein by _____ in his capacity as the Contractor's _____ duly authorised hereto by a resolution of the Contractor dated _____ a certified copy of which resolution is attached to this Indemnity.

WHEREAS the Contractor has entered into a Contract with the Department of Human Settlements, Mpumalanga (hereinafter called the Company) for,

_____ and the Company requires this Indemnity from the Contractor

NOW THEREFORE THIS DEED WITNESSETH that the Contractor does hereby indemnify and hold harmless the Company in respect of all loss or damage that may be incurred or sustained by the Company by reason of or in any way arising out of or caused by blasting operations that may be carried out by the Contractor in connection with the aforementioned Contract and also in respect of all claims that may be made against the Company in consequence of such blasting operations, by reason of or in any way arising out of any accidents or damage to persons, life or property or any other cause whatsoever, and also in respect of all legal or other expenses that may be incurred by the Company in examining, resisting or settling any such claims; for the due performance of which the Contractor binds itself according to law.

THUS, DONE AND SIGNED for and on behalf of the Contractor at _____ on the _____ day of _____ 20____ in the presence of the subscribing witnesses.

AS WITNESSES

1. _____
SIGNATURE
2. _____
DESIGNATION OF SIGNATORY

*Delete which does not apply

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	CI	C2	C3	C4

HEALTH AND SAFETY CONTRACT BETWEEN EMPLOYER AND CONTRACTOR IN TERMS OF SECTION 37(2) OF THE OCCUPATIONAL HEALTH AND SAFETY ACT NO 85 OF 1993

Written agreement between Department of Human Settlements, Mpumalanga, (hereinafter referred to as “the Employer) and _____ (hereinafter referred to as “the mandatory”) as envisaged by Section 37(2) of the Occupational Health and Safety Act, No. 85, of 1993 as amended.

I _____ representing _____ (mandatory) do hereby acknowledge that _____ (mandatory) is an employer in its own right and shall be regarded as the employer for purposes of the contract work specified in the body of the principal agreement with duties as prescribed in the Occupational Health and Safety Act, No. 85 of 1993 as amended so as to ensure that all work will be performed or machinery and plant used in accordance with the provisions of the said Act. I furthermore agree to comply with the requirements of the Employer as contained in the Occupational Health and Safety Specification included with the principal agreement and to liaise with the employer should I, for whatever reason, be unable to perform in terms of this agreement.

Signed this _____ day of _____ at _____

Signature on behalf of mandatory _____

Signature on behalf of Employer _____

Compensation Fund Registration No. of mandatory _____

Good Standing Certificate: yes no (tick one box)

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	CI	C2	C3	C4

HEALTH AND SAFETY CONTRACT: GENERAL INFORMATION

1. The Occupational Health and Safety Act comprises Sections 1 to 50 and all un-repealed regulations promulgated in terms of the former Machinery and Occupational Safety Act No 6 of 1983 as amended, as well as other regulations which may be promulgated in terms of the OHS Act
2. 'Mandatory' is defined as including an agent, a contractor or a subcontractor for work, but without derogating from his status in his own right as an employer or user of plant and machinery
3. Section 37 of the Occupational Health and Safety Act potentially punishes employers (principals) for the unlawful acts or omissions of mandataries (contractors) save where a written agreement between the parties has been concluded containing arrangements and procedures to ensure compliance with the said Act by the mandatory
4. All documents attached or referred to in the above agreement form an integral part of the agreement
5. To perform in terms of this agreement mandataries must be familiar with the relevant provisions of the Act
6. Mandataries who utilise the services of their own mandataries (subcontractors) are advised to conclude a similar written agreement
7. Be advised that this agreement places the onus on the mandatory to contact the employer in the event of inability to perform as per this agreement. The employer, however, reserves the right to unilaterally take any steps as may be necessary to enforce this agreement
8. The contractor shall be responsible for the full and proper implementation of the terms and provisions of the Act and its regulations in the area in which the work is to be undertaken by the contractor.
9. The contractor shall be responsible for the well-being, in relation to health and safety, of all persons coming upon or into such area in accordance with that legislation, including the implementation of any directives issued by management of Johannesburg Water in this respect.
10. The work to be done is _____
11. The area in which the work is to be conducted is _____
12. The contractor shall familiarise himself with such area and all risks existing thereon and undertakes to report to the representative of Department of Human Settlements, Mpumalanga, any hazard or risk to health and safety which arises during the contract work in the area concerned and over which the contractor may have no control. All necessary and appropriate safety / health equipment shall be issued by the contractor to all persons working on or coming into the area.

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	CI	C2	C3	C4

OCCUPATIONAL HEALTH AND SAFETY INDEMNITY UNDERTAKING

I, the undersigned _____
in my capacity as _____
of the firm _____

1.0 hereby undertake to ensure that I/my firm and/or employees and/or subcontractors and/or his employees -

- 1.1 comply strictly with the provisions of the Occupational Health and Safety Act of 1993 (as amended) and/or the regulations promulgated in terms thereof, with specific reference to section 37(2) of the said act, as well as any relevant legislation, in the course of the performance/execution of any service and/or work in, to or on any Department of Human Settlements, Mpumalanga buildings, construction sites and/or premises;
- 1.2 ensure that consultants and/or visitors comply with any instructions and measures relating to occupational health and safety, as prescribed by Department of Human Settlements, Mpumalanga; and
- 1.3 comply strictly with the statutorily prescribed work systems, operational equipment, machinery and occupational health and safety conditions;

2.0 and as an independent employer and contractor, hereby indemnify, in terms of the above undertakings, Department of Human Settlements, Mpumalanga -

- 2.1 in respect of any costs that I/my firm and/or employees and/or subcontractors and their employees may incur of necessity in compliance with the above undertakings; and
- 2.2 against any claims that may be instituted against Department of Human Settlements, Mpumalanga and/or any liability that Department of Human Settlements, Mpumalanga may incur, whether instituted and/or caused by me/my firm's employees, agents, consultants, subcontractors and/or their employees and visitors or Department of Human Settlements, Mpumalanga's clients or neighbors in respect of any incidents related to my/my firm's activities and as a result of which the occupational health and safety of the persons involved have been detrimentally affected; and
- 2.3 against similar claims that I, managers or directors of my firm may have against Department of Human Settlements, Mpumalanga and any damages for which I, managers or directors of my firm hold Department of Human Settlements, Mpumalanga liable.

3.0 My firm's compensation commissioner number is _____ and I confirm that my firm and its subcontractors' fees have been paid up and obligations in respect of the compensation commissioner have been complied with and further that I shall furnish proof thereof in writing on request.

4.0 I hereby confirm that I have the authority to sign this indemnity undertaking and that Department of Human Settlements, Mpumalanga is not obliged to confirm such confirmation.

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	CI	C2	C3	C4

Signed at _____ this _____ day

of _____

Signature

Capacity

As witnesses:

1 _____

2 _____

Employer:		Contractor:	
Witness:		Witness:	

Volume	1	2	3			
Part	T1	T2	C1	C2	C3	C4

**TRANSFER OF RIGHTS AND INDEMNITY
(To be completed during construction by successful Tenderer only)**

Claim for materials on site, Payment Certificate No. Date

Contract No: For (contract title)

I, the undersigned (name of signatory), in my capacity as
..... of (name of Contractor)

Duly authorized hereto on behalf of the Contractor hereby transfer, cede and assign all the Contractor's rights, titles and interest in and to the materials and goods, for which evidence of bona fide ownership is attached hereto, unto and in favor of (name of Employer)
Insofar as the Contractor retains actual control of the materials and goods, the right of ownership thereof passes to the Employer by constitutum possessorium.

I herewith indemnify the Employer against any claim to and in respect of said materials by reason of the Contractor's sequestration of liquidation or of any defect in the Contractor's title to the materials and agree that no payment for materials on site will be made by the Employer until such time as I have submitted documentary proof of bona fide ownership of the said materials and goods.

This transfer shall become effective upon conclusion of the Contractor receiving payment from Employer or from any other person on behalf of the materials and goods as Materials on Site, payment of retention money thereon excluded.

I further confirm that I am fully responsible for all materials and goods listed under this Transfer of Rights and that they have been insured adequately against all risks and will remain insured until they are built into or used in the permanent works and taken over by the Employer.

This certificate of Transfer of Rights applies only to the materials and goods as listed in the following table.

DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT	SUPPLIER
TOTAL VALUE OF MATERIALS AND GOODS					

Signed by: Date:
For and behalf of the Contractor

Witnessed by: Date:

Note: this form, together with the documentary proof of ownership or proof of payment by the Contractor to the supplier, shall accompany the Contractor's claim for payment for materials on site in terms of Clause 6.10.1.5 of the General Conditions of Contract 2010 Second Edition.

Employer:		Contractor:	
Witness:		Witness:	

Volume	1	2	3			
Part	T1	T2	C1	C2	C3	C4

Department of Human Settlements



Govan Mbeki Local Municipality



VOLUME 1

KINROSS EXT.33 & EXT 34- BULK ENGINEERING SERVICES IN GOVAN MBEKI LOCAL MUNICIPALITY

PART C2: PRICING DATA

Prepared by:
FT Consultant Civil & Structural Engineers
7 Ehmke Street
Mbombela, 1201
Telephone: +27 83 626 6334
Email: stanelymasher@gmail.com



Employer:		Service Provider	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

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C2.2 BILL OF QUANTITIES.....	4

Employer:		Contractor:	
Witness:		Witness:	

Volume	1	2	3			
Part	T1	T2	C1	C2	C3	C4

C2 PRICING DATA

C2.1 PRICING INSTRUCTIONS

C2.1.1 GENERAL PREAMBLE TO THE BILL OF QUANTITIES

- a) All items in the Bill of Quantities, except where otherwise specified in Clause 8 of a Standardised Specification or in the Project Specification, shall be measured and shall cover operations as recommended in the standard system of measurement of civil engineering quantities, published under the title "Civil Engineering Quantities", by the South African Institution of Civil Engineering.
- b) The basis and principles of measurement and payment are described in this section (Pricing Instructions) and Clause 8 of each of the Standardised Specifications for Civil Engineering Construction. The applicable SANS 1200 Standardised Specifications are listed in the Scope of Work, Portion 1: Project Specification. Variations and amendments to the Standardised Specifications are contained in the Scope of Work, Portion 2: Variations and Additions to the Standardised Specifications.
- c) Descriptions in the Bill of Quantities are abbreviated and comply generally with those in the Standardised Specifications. Clause 8 of each Standardised Specification, read together with the relevant clauses of the Scope of Work, set out what ancillary or associated activities are included in the rates for the operations specified. Should any requirements of the measurement and payment clause of the applicable Standardised Specification or the Scope of Work, conflict with the terms of the Bill of Quantities, the requirements of the Standardised Specification or Scope of Work, as applicable, shall prevail.
- d) The clauses in a specification in which further information regarding the Schedule item may be found are listed in the "Payment Refers" column in the Schedule. The reference clauses indicated are not necessarily the only sources of information in respect of listed items. Further information and specifications may be found elsewhere in the Contract Documents. Standardised Specifications are identified by the letter or letters which follow SANS in the SANS 1200 series of specifications, e.g. G for SANS 1200G.
- e) Unless otherwise stated, items are measured net in accordance with the drawings, and no allowance is made for waste.
- f) The quantities set out in the Bill of Quantities are the estimated quantities of the Contract Works, but the Contractor shall be required to undertake whatever quantities may be directed by the Engineer from time to time. The Contract Price for the completed Works shall be computed from the actual quantities of work done, valued at the relevant unit rates and/or prices.
- g) The rates and/or prices to be inserted in the Bill of Quantities are to be the full inclusive prices for the work described under the several items. Such rates and/or prices shall cover all costs and expenses that may be required in and for the execution of the work described, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the documents, as well as overhead charges and profit. Reasonable charges shall be inserted as these shall be used as a basis for assessment of payment for additional work that may have to be carried out.
- h) A price or rate is to be entered against each item in the Bill of Quantities, whether the quantities are stated or not. An item against which no price is entered will be considered to be covered by the other prices or rates in the Schedule.
- i) The units of measurement described in the Bill of Quantities are metric units. Alternatives used are as follows :

mm	=	millimetre	h	=	hour
m	=	metre	kg	=	kilogram
Km	=	kilomètre	t	=	ton (1000kg)
m ²	=	square metre	No.	=	number
m ² pass	=	square metre pass	sum	=	lump sum
ha	=	hectare	MN	=	meganewton
m ³	=	cubic metre	MN.m	=	meganewtom-metre

Employer:		Contractor:	
Witness:		Witness:	

Volume	1	2	3			
Part	T1	T2	C1	C2	C3	C4

m ³ km	=	cubic metre-kilometre	PC Sum=	Prime Cost sum
l	=	litre	Prov sum=	Provisional sum
kl	=	kilolitre	%	= percent
MPa	=	megapascal	kW	= kilowatt

j) For the purpose of this Bill of Quantities, where applicable, the following words shall have the meanings hereby assigned to them:

- Unit : The unit of measurement for each item of work as defined in the COLTO Standard Specification for Road and Bridge Works for State Authorities (1998 edition).
- Quantity : The number of units of work for each item.
- Rate : The agreed payment per unit of measurement.
- Amount : The product of the quantity and the agreed rate for an item.
- Lump sum : An agreed amount for an item, the extent of which is described in the Bills of Quantities but the quantity of work of which is not measured in any units.

k) Arithmetical errors in the Bill of Quantities shall be corrected in accordance with Clause F3.9 of the Conditions of Tender. Should there be any discrepancy between rates and/or prices written in the Assessment Schedule and the Bill of Quantities, the latter shall govern.

l) The Bill of Quantities shall be completed by hand in **BLACK PEN INK**.

C2.1.2 Special payment conditions

This clause shall be read in conjunction with the 'Penalties' clause(s). Where the penalty clause shall always receive precedence over this clause, should it be found that duplicative financial corrective measures exists.

C2.1.2.1 Provided previously

The Contractor shall not re-execute works under this Contract where he has successfully executed works for the Employer under a previous contract(s) that comply with the requirements of this Contract. However, where applicable the Contractor shall:

- a) clearly state this in his qualifications; and
- b) still provide the associated rates and prices in the schedule in the associated line item, but not calculate an associated amount.

The Employer shall at his sole discretion decide to re-execute such works.

C2.1.2.2 Materials and equipment

The Employer shall not provide any works material and equipment, as this shall be provided by the Contractor and deemed to have been included in his provided activity rates or prices.

C2.1.2.3 Confined space

The Contractor shall note that work activities shall be executed within confined spaces and it shall be deemed that allowance has been made in all activity pricing.

C2.1.2.4 Contract Price Adjustment

The effect of changes in prices or law on the amounts due shall be adjusted on the following basis:

- a) No price adjustment over the first 12-month period of the Contract.
- b) On the 12-month anniversary date of the signing of the agreement the rates shall be adjusted by twelve-month year on year CPI index (as published in the monthly bulletin PO141.1 of statistics

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

South Africa) ruling on the 12-month anniversary date of the signing of the Agreement and fixed at this value for the following 12-month period. Subsequent 12-month periods shall be dealt with on a similar basis.

C2.1.2.5 Preliminary and General

Preliminary and General items shall be limited to a maximum of twenty percent (20%) of the total Contract Value.

C2.1.2.6 Contractor Appointment

Contractors will only be appointed for value of work in their CIDB grading category only.

C2.1.2.7 Filling in of Bill of Quantity

Tenderer should only fill **one** Bill of Quantity in their CIDB grading category only.

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

BILL OF QUANTITIES

(BoQ – Sewer pump station, Water, and Sewer)

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

SUMMARY OF BILL OF QUANTITIES

DESCRIPTION	AMOUNT
Schedule 1 : Preliminary and General	_____
Schedule 2 : Site Clearance	_____
Schedule 3 : Water	_____
Schedule 4 : Sewer	_____
Schedule 5 : Earthworks (Pipe Trenches)	_____
Schedule 6 : Pump Station	_____
Schedule 7 : Day works	_____
Schedule 8 : Contingence	_____

Sub-total 1 _____

The above prices are Firm
ADD: 15% of above sub-total (1) for **VALUE ADDED TAX (VAT)** **N/A**

TOTAL CARRIED TO FORM OF OFFER _____

DATE

SIGNATURE OF TENDERER

Employer:		Contractor:	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

Department of Human Settlements



Govan Mbeki Local Municipality



VOLUME 1

KINROSS EXT.33 & EXT 34- BULK ENGINEERING SERVICES IN GOVAN MBEKI LOCAL MUNICIPALITY

PART C3: SCOPE OF WORK

Prepared by:
FT Consultant Civil & Structural Engineers
7 Ehmke Street
Mbombela, 1201
Telephone: +27 83 626 6334
Email: stanelymasher@gmail.com



Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

C3 PREAMBLE TO SCOPE OF WORK

GENERAL

This section specifies and describes the supplies, services and engineering and construction works which are to be provided and any other requirements and constraints relating to the way the contract work is to be performed.

SCOPE

The Scope of the Work is set out in two portions:

Portion A: PROJECT SPECIFICATION covers a general description of the project, the facilities available and the requirements to be met.

Portion B: VARIATIONS AND ADDITIONS TO THE STANDARDISED SPECIFICATIONS covers variations to the standardised specifications and particular specifications which are applicable to the contract.

STATUS

Should any requirement of the Project Specification conflict with any requirement of the standardised or particular specifications, the requirements of the Project Specifications shall prevail.

Contents

Clause	Description
Portion A	PROJECT SPECIFICATION
PS 1	DESCRIPTION OF THE WORKS
PS 1.1	Employer's Objectives
PS 1.2	Overview of the Works
PS 1.3	Extent of the Works
PS 1.4	Locations of the Works
PS 1.5	Temporary Works
PS 2	ENGINEERING
PS 2.1	Employer's Design
PS 2.2	Drawings
PS 3	PROCUREMENT
PS 3.1	Preferential Procurement Procedures
PS 3.2	Subcontracting
PS 4	CONSTRUCTION
PS 4.1	General Conditions and Applicable Standard
PS 4.2	Particular Generic Specifications
PS 4.2.1	Minimum health and safety requirements
PS 4.2.2	Traffic Control

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

Clause	Description
PS 4.2.3	Metric Measurement
PS 4.2.4	Site Preparation
PS 4.2.5	General
PS 4.3	Plant and Materials
PS 4.4	Construction Equipment
PS 4.5	Existing Services
PS 4.6	Site Establishment, Facilities Available and Required
PS 4.7	Site Usage
PS 4.8	Permits and Wayleaves
PS 4.9	Alterations, Additions, Extensions and Modifications to Existing Works
PS 4.10	Inspection of Adjoining Structures, Services, Buildings and Properties
PS 4.11	Water, Sanitation and Electricity for construction purposes
PS 4.12	Survey Control and Setting out of the Works
PS 5	MANAGEMENT OF THE WORKS
PS 5.1	Planning and Programming
PS 5.2	Sequence of the Works
PS 5.3	Software application for Programming
PS 5.4	Methods and Procedures
PS 5.5	Quality Plans and Control
PS 5.6	Accommodation of Traffic on Public Roads Occupied by the Contractor
PS 5.7	Other Contractors on Site
PS 5.8	Testing, Completion, Commissioning and Correction of Defects
PS 5.9	Recording of Weather and Abnormal Rainfall
PS 5.10	Format of Communications
PS 5.11	Key Personnel
PS 5.12	Site Meetings
PS 5.13	Forms for Contract Administration
PS 5.14	Daily Records
PS 5.15	Bonds and Guarantees
PS 5.16	Payment Certificates
PS 6	FEATURES REQUIRING SPECIAL ATTENTION
PS 6.1	Security
PS 6.2	Operation of valves
PS 6.3	Work outside normal working hours
PS 6.4	Sanitary facilities
PS 6.5	Community liaison and community relations
PS 6.6	Notices and warning to consumers
PS 6.7	Continuity of service supply to customers
PS 6.8	Conditions and procedures for service agencies
PS 6.9	Generic labour intensive specifications
PS 6.10	Causes for rejection
PS 6.11	Protection against water and storms
PS 6.12	Information supplied by the Engineer
PS 6.13	Indemnity Certificate
PS 6.14	Return of materials

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

Clause	Description
PS 6.15	Political and community unrest
PS 7	HEALTH AND SAFETY SPECIFICATION FOR CONSTRUCTION WORK
PS 7.1	Site Specific Health and Safety Issues
PS 7.2	Barricading of Trenches
PS 7.3	Precaution against Pollution and Contamination
PS 7.4	Operations under Live Conditions
PS 8	ENVIRONMENTAL MANAGEMENT
Portion B	VARIATIONS AND ADDITIONS TO THE STANDARDISED SPECIFICATIONS
PSA 8	MEASUREMENT AND PAYMENT
PSA 8.1	Measurement
PSA 8.2	Payment
PSA 8.3	Schedule Fixed-charge and Value-related items
PSA 8.4	Schedule Time-related items
PSA 8.5	Sums stated Provisionally by Engineer
PSA 8.7	Daywork
PSA 8.8	Temporary Works
PSA 8.9	Standing Time
PSAB	ENGINEER'S OFFICE
PSC	SITE CLEARANCE
PSC 1	Construction (Clause 5)
PSC 1.1	Areas to Be Cleared and Grubbed (Sub-clause 5.1)
PSC 1.2	Cutting of Trees (Sub-clause 5.2)
PSC 2	MEASUREMENT AND PAYMENT (Clause 8)
PSC 2.1	Clearing and Grubbing (Sub-clause 8.2.1)
PSC 2.2	Removing and Grubbing Trees (Sub-clause 8.2.2)
PSD	EARTHWORKS
PSD 1	Construction (Clause 5)
PSD 1.1	Disposal of Surplus or Unsuitable Material (Sub-clause 5.2.2.3)
PSD 1.2	Freehaul (Sub-clause 5.2.5.1)
PSD 1.3	Delay Due to Supply of Material
PSDA	EARTHWORKS
PSDA 1	Materials (Sub-clause 3)
PSDA 1.1	Embankments and Backfill (Sub-clause 3.2.1)
PSDA 2	CONSTRUCTION (Clause 5)
PSDA 2.1	Precautions (Clause 5.1)
PSDA 2.1.1	Excavated Material Not to Endanger or Interfere (Sub-clause 5.1.6)
PSC 2.2	Methods and Procedures (Clause 5.2)
PSDA 2.2.1	Excavation (Sub-clause 5.2.2)
PSDA 2.2.2	Freehaul (Sub-clause 5.2.6.1)
PSDB	EARTHWORKS (Pipe Trenches)
PSDB 1	Construction (Clause 5)

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

Clause	Description
PSDB 1.1	Precautions (Sub-clause 5.1)
PSDB 1.1.1	Underground Water
PSDB 1.1.2	Programming of Pipe Trenches
PSDB 1.2	Excavation (Sub-clause 5.4)
PSDB 1.3	Trenches for Electrical Cable
PSDB 1.4	Disposal of Material (Clause 5.6.3 and 5.6.4)
PSDB 1.5	Freehaul (Sub-clause 5.6.8)
PSDB 2	MEASUREMENT AND PAYMENT (Clause 8)
PSDB 2.1	Excavation (Sub-clause 8.3.2)
PSDB 2.2	Soilcrete
PSDM	EARTHWORKS (Roads, Subgrade)
PSDM 1	MATERIALS (Sub-clause 3)
PSDM 1.1	Classification for Placing Purposes (Sub-clause 3.2)
PSDM 1.1.1	Subgrade / Fill (Sub-clause 3.2.2)
PSDM 2	PLANT (Clause 4)
PSDM 3	CONSTRUCTION (Clause 5)
PSDM 3.1	Methods and Procedures (Sub-clause 5.2)
PSDM 3.1.1	Stripping of Topsoil (Sub-clause 5.2.1)
PSDM 3.1.2	Cut and borrow (Sub-clause 5.2.2)
PSDM 3.1.2.1	Use of material (Sub-clause 5.2.2.3)
PSDM 3.1.3	Treatment of the road-bed (Sub-clause 5.2.3)
PSDM 3.1.3.1	Preparation and compaction of road-bed (Sub-clause 5.2.3.3)
PSDM 3.1.3.2	Removal of unsuitable material (Sub-clause 5.2.3.4)
PSDB 3.1.4	Freehaul (Sub-clause 5.2.8.1)
PBDB 3.1.5	Sidewalk (Balance of Road Reserve)
PSDM 4	MEASUREMENT AND PAYMENT (Clause 8)
PSDM 4.1	Roadbed Preparation
PSDM 4.2	Blade to Windrow
PSDM 4.3	Cut to Spoil
PSDM 4.4	Width of Excavation for Roads
PSDM 4.5	Import to Fill in Subgrade
PSDM 4.6	Drying Out of Borrow or In-situ Material
PSDM 4.7	SHAPING OF GRAVEL ROADS
PSDM 4.8	Compaction of the wearing surface of gravel roads
PSDM 4.9	Variation in the number of Roller Passes
PSDM 4.10	Sidewalks
PSDM 4.11	Selected Subgrade Layer
PSG	CONCRETE (STRUCTURAL)
PSG 1	MATERIALS
PSG 1.1	Types of Materials (Sub-clause 3.4.2)
PSG 1.2	Plums (Sub-clause) 3.4.2
PSG 1.3	Admixtures (Sub-clause 3.5.1 and 3.5.2.)
PSG 1.4	Pipes and Conduits Embedded in Concrete
PSG 1.5	Aggregate (Sub-clause 3.4)
PSG 1.6	Samples and Mix Design
PSG 2	CONSTRUCTION
PSG 2.1	Cover to Reinforcement (Sub-clause 5.1.3)
PSG 2.2	Concrete Strength (Sub-clause 5.5.1.7)
PSG 2.3	Ready Mix (Sub-clause 5.5.3.2)
PSG 2.4	Compaction (Sub-clause 4.4 and 5.5.6.3.)
PSG 2.5	Consistency (Sub-clause 5.5.1.2)
PSG 2.6	Durability (Sub-clause 5.5.1.5)

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

Clause	Description
PSG 2.7	Strength Concrete (Sub-clause 5.5.1.7)
PSG 2.8	Batching (Sub-clause 5.5.5)
PSG 2.9	Placing (Sub-clause 5.5.5)
PSG 2.10	Concrete Surfaces (Sub-clause 5.5.10.1)
PSG 2.10.1	Wood Floated Finish
PSG 2.10.2	Steel Floated Finish
PSG 2.10.3	Power Floated Finish
PSG 2.10.4	Unformed Surfaces
PSG 2.11	Formwork (Sub-clause 5.2)
PSG 2.12	Grouting of Pipes/Specials Through Walls
PSG 2.13	Spacers and Lifting Blocks (Sub-clause 5.1.2)
PSG 2.14	Expansion Joint formers, Fillers and Sealers
PSG 2.15	Curing and Protection (Sub-clause 5.5.8)
PSG 2.16	Concrete on Wet Ground (Sub-clause 5.5.12)
PSG 3	Testing
PSG 3.1	Test Cubes (Sub-clause 7.1.1)
PSG 3.2	Frequency of Sampling (Sub-clause 7.1.2)
PSG 3.3	Requirements and Tests for Water tightness of Sump
PSG 4	MEASUREMENT AND PAYMENT
PSG 4.1	Excavation
PSG 4.2	Formwork (Sub-clause 8.1.1)
PSGA	CONCRETE (Small Works)
PSGA 1	MATERIALS
PSGA 1.1	Cement (Sub-clause 3.2.1)
PSGA 1.2	Water (Sub-clause 3.2.1)
PSGA 1.3	Aggregate (Sub-clause 3.4)
PSGA 2	CONSTRUCTION
PSGA 2.1	Cover to Reinforcement (Sub-clause 5.1.3)
PSGA 2.2	Concrete (Sub-clause 5.4)
PSL	MEDIUM PRESSURE PIPELINES
PSL 1	MATERIALS
PSL 1.1	Valves (Sub-clause 3.10)
PSL 1.2	Fire Hydrants
PSL 1.3	Piping
PSL 1.4	Anchor / Thrust Blocks
PSL 2	CONSTRUCTION
PSL 2.1	Depth and Covering (Subclause 5.1.4)
PSL 2.2	Connection to Existing Pipes (Added Sub-clause 5.11)
PSLB	BEDDING (Pipes)
PSLB 1	MATERIALS (Clause 3)
PSLB 1.1	Bedding Material (Sub-clause 3)
PSLB 2	MEASUREMENT AND PAYMENT
PSLB 2.1	Principles (Sub-clause 8.1.1)
PSLB 3	INSPECTION OF THE WORKS BY THE LOCAL AUTHORITY
PSLD	SEWERS
PSLD 1	MATERIALS
PSLD 1.1	Pipes, Fittings and Pipe Joints (Sub-clause 3.1)
PSLD 1.2	Manholes, Chambers Etc. (Sub-clause 3.5)
PSLD 1.3	Concrete (Sub-clause 3.5.4)
PSLD 1.4	Mortar (Sub-clause 3.5.6)
PSLD 1.5	Manhole Covers and Frames (Sub-clause 3.5.8)

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

Clause	Description
PSLD 2	CONSTRUCTION
PSLD 2.1	House Connections
PSLD 2.2	Water Tightness of Manholes (Sub-clause 7.2.6)
PSLD 3	MEASUREMENT AND PAYMENT
PSLD 3.1	House Connections
PSLE	STORMWATER DRAINAGE
PSLE 1	MATERIALS
PSLE 1.1	Concrete
PSLE 1.2	Mortar
PSLE 2	CONSTRUCTION
PSLE 2.1	General
PSLE 2.2	Concrete Pipes
PSLE 2.2.1	Ogee Joints
PSLE 2.2.2	Spigot and Socket Joints
PSLE 3	MEASUREMENT AND PAYMENT
PSLE 3.1	Pipes, Precast Culverts and Channels
PSLE 3.2	Excavation for Open Channels and Culverts
PSLE 3.3	In-situ Lined Channels and Culverts
PSLE 3.4	Inlets, Catch pits, Headwalls and Manholes
PSLF	ERF CONNECTIONS (WATER)
PSLF 1	MATERIALS (Clause 3)
PSLF 1.1	Pipes (Sub-clause 3.1.3)
PSLF 2	CONSTRUCTION (Clause 5)
PSLF 2.1	General (Sub-clause 5.2.3.1)
PSLF 2.2	Recording of Locations (Sub-clause 5.4.2)
PSLF 3	TESTING
PSLF 4	MEASUREMENT AND PAYMENT (Clause 8)
PSLF 4.1	Supply and Install Erf Connections
PSME	SUBBASE
PSME 1	MATERIALS
PSME 1.1	Stabilizing Agent (Sub-clause 3.3 SABS 1 200 Series)
PSME 1.2	Selection of Material (Sub-clause 3.5.1 SABS 1 200 Series)
PSME 2	Material Characteristic
PSME 2.1	CONSTRUCTION
PSME 2.2	Thickness of Subbase Layer (Sub-clause 5.4.1 SABS 1 200 ME Series)
PSME 3	Rate of Application
PSME 3.1	Method of Construction for Stabilized Layers Under Premix Surfaced Road
PSME 3.2	MEASUREMENT AND PAYMENT
PSME 3.3	Imported Selected Material
PSMFL	BASE (LIGHT PAVEMENT STRUCTURE)
PSM 1	MATERIALS
PSM 1.1	Subgrade
PSM 1.2	Selected Subgrade

PORTION A: PROJECT SPECIFICATION

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

NOTA BENE: Any reference to SABS 1200 shall mean SANS 1200 and vice versa.

Applicable SANS 1200 Standards

The Standard Specification for all associated civil work shall be the SANS 1200 – Standardized Specification for Civil Engineering Construction. The Contractor shall be in possession of these Standardized Specifications and their related SANS 0120 Code of Practice, which apply equally and shall keep a copy of each on site for reference by him and the Engineer for the duration of the Contract.

These Specifications are not issued with this volume but are available at the Contractor’s expense from: Standards South Africa,

Office Address:

1 Dr Lategan Road
Groenkloof
PRETORIA

Postal Address:

Private Bag X191
PRETORIA
0001

Telephone:

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International: + 27 12 428 6928

Email: sales@sabs.co.za

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PORTION A: PROJECT SPECIFICATION

PS 1 DESCRIPTION OF THE WORKS

PS 1.1 EMPLOYER’S OBJECTIVES

The objective of this project is to provide bulk engineering services for Kinross Ext.33 & Kinross Ext 34 development in the Govan Mbeki Local Municipality area.

PS 1.2 OVERVIEW OF THE WORKS

The proposed project entails the development of mixed typology housing with associated facilities and infrastructure, on extent of portion 7 of the Farm Zondagskraal 125 IS an undeveloped 103.05 ha site in Kinross Ext 33 and Kinross Ext 34. This Bulk Infrastructure Design Development Report seeks to source funding for addressing the following:

- Funding for bulk infrastructure to connect to the water resources.
- Funding for bulk infrastructure required to connect effluent/wastewater from internal reticulation system to the appropriate treatment plants.

The provision of these civil engineering services will cater for an estimated 1 457 housing units in Ext 33 and 1199 housing units in Ext 34 together with the associated community facilities. The same bulk line has been designed to take into consideration Extension 25 and Extension 33. The bulk infrastructure will ensure that the township will be able to function properly.

PS 1.3 EXTENT OF THE WORKS

Installation of the following uPVC pipelines:

- **Water**
 - 160mm Ø - Class 12, approximately 1 500m
- **Sewer**
 - 160mm Ø - 355mm Ø - Class 34, approximately 3150m
- **Sewer Pump Station**
 - Sump and pump station
- **Concrete Reservoir**
 - Refurbishment
 - Sealing of the reservoir

The **primary activities** of the project entail the following:

- Site clearance;
- Location, exposing and protection of existing services
- Excavation, trench preparation and compaction;
- Supply, bedding and laying of pipes;
- Backfilling of trenches and testing of installation;
- Provision and installation of valves and chambers;
- Construction of sump and pump stations;
- Connections into existing networks;

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

The Contractor's obligations shall also include strict compliance with any Environmental requirements and/or reports deemed to form part of this Contract as well as any Occupational Health and Safety requirements.

This above-mentioned description of the works is not necessarily complete and shall not limit the work to be carried out by the Contractor under the Contract. Approximate quantities of each type of work are given in the Schedule of Quantities.

PS 1.4 LOCATIONS OF THE WORKS

The location of the proposed development is indicated on Figure1: Locality Plan. The land to be developed is located on portion 7 of the Farm Zondagskraal 125 IS, Kinross Extension 33 and Ext 34, Mpumalanga Province. Zondagskraal is approximately 1636 m above sea level.



The project site, Kinross Ext.33 & Ext 34 is indicated by the shaded blue on the Google image above.

The access to portion 7 of the Farm Zondagskraal 125 IS will be through R29 Provincial Road. Zondagskraal is located approximately 15.3 km South East of Leandra town in the Gert Sibande District Municipality, Mpumalanga Province. The site is accessible by travelling on Regional Road R29 approximately 2.91 km from Kinross town. The site is also bound by R547 to the east direction and R29 to the southern side

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PS 1.5 TEMPORARY WORKS

The Contractor shall, as relevant:

- a) provide temporary drainage works, temporary pumps and other equipment as might be necessary for the protection, draining and dewatering of the works; and
- b) construct and maintain haulage, temporary access and construction roads, subject to the approval of the Employer, and permit the Employer, other Contractors, statutory bodies or any other person who might require legitimate access to or through the site for the purpose of executing legitimate business, free and unhindered usage of such roads.
- c) temporary water connections, Contractor’s offices, storage sheds, latrines, barricading of Works shall be located in an approved position and subject to the approval of all authorities concerned.
- d) safety and security of the Contractors’ temporary works shall be at the Contractors’ discretion, but always in accordance with stipulated Occupational Health and Safety requirements.
- e) the camp shall be adequately guarded during or outside working hours.
- f) include the works required to locate, verify and protect existing services within the works area;
- g) be such to ensure no or limited interruption to vehicular and pedestrian traffic; and
- h) be such that existing storm water flow shall not be impeded during survey and construction activities.

Further the Contractor shall note that no stockpiling of materials, plant, excavated material or any other construction related infrastructure shall be allowed in locations that may interfere with the operations of the Employer and the public in general.

PS 2 ENGINEERING

PS 2.1 EMPLOYER’S DESIGN

The Contractor undertakes only construction on the basis of designs issued by the Employer. The Contractor is to follow the specification, the design and construction drawings as laid out by the Employer.

PS 2.2 DRAWINGS

PS 2.2.1 Volume 3

Drawings are included in Volume 3 of this Contract Document based on current available information. Such drawings may be updated (based on actual site situation uncovered during execution of the works) and re-issued during the Contract Period as required.

Drawings included (but not limited to):

- a) Locality Plans;
- b) Layout Drawings;
- c) Longitudinal Profiles (for roads, stormwater and sewer);
- d) Road Cross Sections and
- e) Typical Construction Details.

PS 2.2.2 Construction drawings

Upon receiving the instruction to commence with construction the Contractor shall receive 3 sets of construction drawings, of which 1 set shall be designated for as-built records and updated by the Contractor on a daily basis. The later shall be:

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

- a) made available to the Engineer or his duly authorised representative within 24hours on request;
- b) Submitted to the Engineer with the Contractor's request for issue of the Practical Completion Certificate. Practical Completion shall only be granted upon satisfactory receipt of all as-built data.

PS 2.2.3 Shop drawings

Where an item to be supplied in conformance with this Contract specification has not been designed by the Engineer or Employer, the Contractor shall be required to supply the Engineer with 3 copies of detailed shop drawings prior to delivery of materials, including an electronic copy in drawing format that is compatible with the software packages (AutoCAD or DXF) used by the Engineer and/or Employer.

NOTA BENE: Only on approval of such shop drawings or an amended version thereof, shall the Contractor proceed with the manufacturing, supply and installation of the designed item.

PS 3 PROCUREMENT

PS 3.1 PREFERENTIAL PROCUREMENT PROCEDURES

The Employer promotes preferential procurement. The philosophy of the process and mechanics of the points scoring system, which is included in the returnable documents section T2.2.

PS 3.2 SUBCONTRACTING (SMMEs)

The commitment of the Employer to Government Policy concerning the empowerment of the SMMEs shall be noted and adhered to by the main contractor.

It is the intention of The Client that the minimum targeted participation goal for the local sub-contractors is for but not limited to the full value of subcontracting works identified by the Employer as covered in the Bill of Quantities. The onus is upon the main contractor to handle and manage the procurement process of the sub-contractors and once appointed, should be dealt with in accordance with the provisions of Clause 4.4 of the General Conditions of Contract 2015.

The identified scope of work by the Employer includes but not limited to the following:

- Excavation and backfilling of trenches for water and sewer reticulation;
- Installation of water and sewer pipes;
- Excavation and backfilling of trenches for stormwater pipes;
- Installation of stormwater pipes;
- Excavation of road stormwater v-drains;
- Any other task identified on site and approved by the engineer on site;

The minimum requirements for selection of the sub-contractors are as follows:

1. Valid CK registration
2. SA ID copies of owners
3. Active CIDB membership: **minimum grading 1CE**

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
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4. Valid Tax clearance certificate
5. COIDA certificate
6. Company Profile including similar experience and skilled personnel CVs
7. Health and Safety Plan

The Contractor is:

to enter into contract with any (nominated, selected) sub-contractor(s) in accordance with the requirements of Clause 4.4 in the General Conditions of Contract for Civil engineering Works (2015), 3rd edition. The number of sub-contractor(s) will be determined by the main contractor depending on the Subcontracting Scope of Work and the amount of work that is to be carried out under this Contract as outlined above and in the Bill of Quantities.

- a) Required to utilise local subcontractors (or regional if he fails to find suitable subcontractors from within the project locality)
- b) Responsible for all work executed (including QUALITY, CONTRACTUAL LIABILITIES) on his behalf or under his supervision and/or management by all sub-contractors, including nominated or selected sub-contractors.

Note:

- **Local** subcontractors are subcontractors from within the project suburb or ward.
- **Regional** subcontractors are subcontractors from within the region as per the Govan Mbeki Local Municipal demarcation of the regions.

The Contractor shall be expected to enter into a contract with the nominated or selected subcontractor(s) in accordance with the requirements of Clause 4.4 the General Conditions of Contract. The Employer must be supplied with a copy of the contract/agreement for records.

NOTA BENE: The Engineer shall not negotiate directly with sub-contractors and all problems relating to programming, workmanship, etc., as they are matters between the Contractor and his sub-contractors.

In the execution of the Subcontract Work, the Contractor shall ensure that the Subcontractor(s) comply with all relevant legislation and regulations including, but not confined to, the Occupational Health and Safety Act. The Contractor hereby indemnifies the Employer against any loss, damage, or claim for Subcontract Works set out for this specific project arising out of the former's failure to comply with instructions issued to him in regard to these requirements.

PS 3.2.1 PERFORMANCE AND EXECUTION OF THE SUBCONTRACT WORK

The main contractor must ensure that his subcontractors shall supply sufficient, suitable resources (e.g. equipment, labour, material) to execute all the Subcontract Work including the portion identified by the Employer as outlined in the Scope of Work and Bill of Quantities.

The Contractor shall also ensure that the Subcontractor(s) shall execute the Subcontract Work in accordance with the Scope of Work and Programme to the reasonable satisfaction of the Employer.

PS 3.2.2 QUALITY OF THE SUBCONTRACT WORK

In accordance with the requirements of Clause 4.4 in the General Conditions of Contract for Civil engineering Works (2015), 3rd edition, it is the responsibility of the Contractor to ensure

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

that the Subcontractor shall be capable of executing the Subcontract Work efficiently and in accordance with the Scope of Work.

PS 3.2.3 LAWS AND REGULATIONS

The Contractor shall ensure that the subcontractor(s) complies with the paying all amounts due in respect of his employees and himself in terms of all relevant legislation and regulations including, but not confined to the following:

- Income Tax Act, the
- Compensation of Occupational Injuries and Diseases Act,
- Unemployment Insurance Act,
- Basic Conditions of Employment Act,

PS 3.2.4 RESOURCES TO COMPLETE SUBCONTRACT WORK

Although it is preferred by Employer Agent that the Contractor ensure that the Subcontractor(s) supply all required resources such as labourers, equipment, hand tools, power-driven tools if need be, which are required by him for the execution of the Subcontract Work, however the onus is upon the Contractor to determine the extent of resources the subcontractor shall supply to ensure that the works are completed in time. The agreement between the Contractor and subcontractor is the Contractor's responsibility and Employer Agent is indemnified from any agreements entered between Contractor and his subcontractor (s)

PS 3.2.5 PAYMENT

The Contractor shall ensure that sub-contractor(s) are paid within stipulated time as per the Agreement with the subcontractor failure which the contractor can be reported to the Employers' Supply Chain Department and may prejudice his future employment with The Client.

PS 3.2.6 RETENTION MONIES

The Employer will deduct Retention money for the overall works including the Subcontract work at the percentage stated in the Contract Data.

PS 3.2.7 RESOLUTION OF DISPUTES

Should any dispute between the Contractor and the Subcontractor arise out of the provisions of the Subcontract, or the execution of the Subcontract Work, every effort shall be made by the Parties to resolve the matter themselves without the intervention of the Employer. The agreement signed between the contractor and sub-contractor should state dispute resolution procedure.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PS 4 CONSTRUCTION

PS 4.1 GENERAL CONDITIONS AND APPLICABLE STANDARDS

PS 4.1.1 General Conditions

The “Special Condition of Contract” to be read in conjunction with the “General Conditions for Construction Works (GCC 2015).

PS 4.1.2 Applicable Standardized Specifications

The Standard Specifications for all associated civil work applicable to this Contract shall be (Other standards may also become relevant as project scope is adjusted for some reason):

SANS	Description
28	: Metal ties for cavity walls (1986)
227	: Burnt clay masonry units (2007)
282	: Bending dimensions and scheduling of steel reinforcement for concrete (2004)
523	: Limes for use in building (2007)
558	: Cast iron surface boxes and manhole and inspection covers and frames (1973)
674	: 2008
920	: Steel bars for concrete reinforcement (2005)
1024	: Welded steel fabric for reinforcement of concrete (2006)
1083	: Aggregates from natural sources - Aggregates for concrete (2006)
1090	: Aggregates from natural sources - Fine aggregates for plaster and mortar (2002)
1200 A	: General (1986)
1200 AB	: Engineer's office (1986)
1200 C	: Site clearance (1980)
1200 D	: Earthworks (1988)
1200 DB	: Earthworks (Pipe trenches) (1989)
1200 DK	: Gabions and Pitching (1996)
1200 DM	: Earthworks (Roads, Subgrade) (1981)
1200 G	: Concrete (Structural) (1982)
1200 GA	: Concrete (Small works) (1982)
1200 GE	: Precast Concrete (1984)
1200 L	: Medium-pressure pipelines (1983)
1200 LB	: Bedding (Pipes) (1983)
1200 LC	: Cable ducts (1981)
1200 LD	: Sewers (1982)
1200 LE	: Stormwater Drainage (1982)
1200 LF	: Erf connection (water) (1983)
1200 LG	: Pipe jacking (1983)
1200 ME	: Subbase (1981)
1200 MFL	: Base (light pavement structure) (1996)
1491-1	: Portland cement extenders Part 1: Ground granulated blast-furnace slag (2005)
1491-2	: Portland cement extenders Part 2: Fly ash (2005)
1491-3	: Portland cement extenders Part 3: Silica fume (2005)

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

- 1882 : Polymer concrete surface boxes, manhole and inspection covers, gully gratings and frames (2003)
- 50197-1/ : Cement - Part 1: Composition, specifications and conformity criteria for common EN 197-1 cement
- 5831 : Presence of chlorides in aggregates
- 5861-2 : Concrete tests - Sampling of freshly mixed concrete (2006)
- 5862-1 : Concrete tests - Consistence of freshly mixed concrete - Slump test (2006)
- 5863 : Concrete tests - Compressive strength of hardened concrete (2006)
- 5864 : Concrete tests - Compressive strength of hardened concrete (2006)
- 5865 : Concrete tests - The drilling, preparation, and testing for compressive strength of cores taken from hardened concrete (1994)
- 0268-1 : Welding of thermoplastics – Welding Processes
- 1476:2009: Fabricated flanged steel pipework

Reference is made to certain provisions of:

- SANS 1921-5 Construction and management requirements for works contracts: Earthworks activities which are to be performed by hand
- SANS 1914-5 Targeted construction procurement: Participation of targeted labour

These Specifications are not issued with this volume but are available at the Contractor's expense from Standards South Africa:

Physical Address	Postal Address	Telephone No.	Fax No.	Email Address
1 Dr Lategan Road, Groenkloof PRETORIA	Private Bag X191 PRETORIA 0001	012 428-7911	012 344 1568	sales@sabs.co.za

For "Workmen's Compensation Act" read "Compensation for Occupational Injuries and Diseases Act, 1993 (Act No.130 of 1993)" wherever it appears. For "Machinery and Occupational Safety Act" and "Mines and Works Act" read "Occupational Health and Safety Act, 1993 (Act 85 of 1993)" wherever they appear. For "maintenance period" read "Defects Liability Period in terms of Clause 1.1.1.13 of the General Conditions of Contract, 2015" wherever it appears

PS 4.1.3 Other Standards

Other Standard Specifications applicable to this Contract shall be:

- a) Mpumalanga Province Department of Transport (Roads Authority), wayleave applications and intersection and road access.
- b) Wayleave applications to be submitted to the Govan Mbeki Local Municipality and Transnet.
- c) Water Research Centre – Manual of Sewer Condition Classification

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
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PS 4.2 Particular generic specifications

PS 4.2.1 Minimum health and safety requirements

This section of the specifications is to be read in conjunction with the Contract Health and Safety specifications, included as Volume 3. The following requirements shall be deemed minimum compliance requirements to ensure the health and safety of the public and workers during the execution of the Contract:

PS 4.2.1.1 Road safety equipment

The internal conduit survey unit shall be provided with:

- a) an amber-flashing beacon, which shall comply with and be operated in accordance with any governing road vehicle lighting regulations or similar.
- b) appropriately sized and quantity of road signs, including delineators and cones which shall be displayed at the works area in accordance with safety regulations or similar.
- c) bright coloured overalls, fluorescent over-jackets and belts for each team member for use at all working times during the day or night.

PS 4.2.1.2 Personal safety equipment

The internal conduit inspection unit shall be provided with:

- a) oxygen deficiency and gas detector apparatus, which shall be regularly serviced and operable.
- b) fresh air breathing apparatus, face mask and demand value, with a sufficient minimum compressed air supply, determined by the duration of manhole and/or conduit entry.
- c) an approved full vertical lift safety harness.
- d) personal equipment per member:
 - i) safety helmet;
 - ii) safety boots;
 - iii) sewer wading boots; and
 - iv) disposable protective gloves.
- e) First Aid Kit suitable to cater for the number of team members.
- f) facilities for washing, including:
 - i) soft soap;
 - ii) disinfectant; and
 - iii) clean water.
- g) radio equipment and cellular phone for on-site and emergency communication.
- h) fire extinguisher.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PS 4.2.2 Traffic control

A traffic control plan shall include detailed diagrams showing the location of all traffic control devices and the length of time for all lane closures, as well as location of any flaggers, as necessary.

- b) One lane of traffic in each direction must be maintained at all times and local streets may only be closed with prior approval of the Engineer.
- c) A written method of handling traffic for each different phase of the project shall be submitted and include both vehicular and pedestrian traffic.
- d) The name and number of the Contractor representative responsible for traffic control shall be made available to solve traffic problems at each job site location.

PS 4.2.3 Metric measurement

All survey recorded dimensions of infrastructure shall be in metric units, including for conduits, chambers and manholes.

PS 4.2.4 Site preparation

Prior to any Works commencement the Contractor shall photograph or video tape entire work area. One copy of which shall be given to the Engineer's authorized representative and one copy shall remain with the Contractor for a period of **12 months** following the issue of a Completion Certificate. This record shall be used to establish accountability for damages during the execution of the Contract.

No alterations beyond what is required for Works are to be made. Contractor shall confine all activities to designated work areas, to the absolute minimum required.

PS 4.2.5 General

4.2.5.1 Unless and to the extent that it is otherwise stated in the contract data, the scope of work or the specification data, the Contractor shall:

- a) carry out the actions and arrange for the facilities as described in part 1 of SANS 1921,
- b) not extend his operations beyond the site,
- c) be responsible for the management of the sequence for executing the works so as to avoid the repair or reinstatement (or both) of completed works or damage to existing works,
- d) provide all labour, materials, plant, equipment, scaffolding, tools and the like required for the due and proper completion of the works,
- e) make all the necessary arrangements with the relevant authorities relating to hoardings, the use of pavements, street encroachment or crossings, permission for the suspension of parking facilities and the like,
- f) provide the safe and unrestricted flow of public traffic,
- g) make his own arrangements with the owners of adjoining properties for overhand work,
- h) make his own arrangements for procuring, transporting, storing, distributing and applying the water needed for the purposes of the contract,
- i) furnish the Employer with a list of the names and contact particulars of all key personnel who may be contacted in an emergency, both during and outside office hours,
- j) occupy only such ground as is necessary to carry out the works,

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
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- k) provide and maintain access to the various sections of the works as he requires for the proper execution of the works,
- l) grant access to persons whose properties fall within or adjoin the area in which he is working,
- m) maintain a register and one copy of all drawings and information issued for construction purposes in a place accessible to the Employer and his agents during normal working hours,
- n) not determine dimensions on drawings by scaling, and
- o) provide, within **10 working days** of the works being completed, record drawings indicating all deviations from the construction drawings.

4.2.5.2 Unless and to the extent that it is otherwise stated in the contract data, the scope of work or the specification data, the Employer shall

- a) provide basic survey control points, appropriate to the nature of the works, and
- b) obtain the necessary permits to construct, maintain and operate the works.

4.2.5.3 Any articles of value found on the site shall be handed over to the Employer.

4.2.5.4 Existing structures on the site shall not be interfered with in any way by the Contractor.

4.2.5.5 All fences and other structures that have been damaged or interfered with by the Contractor shall be restored to a condition at least equivalent to their original condition.

4.2.5.6 Earth, stone, gravel and sand, and all other materials existing on, excavated from or obtained by the removal of vegetation or demolition of structures on the site, shall not become the property of the Contractor, but shall be at his disposal in so far as they are required for incorporation into the works.

4.2.5.7 The requirements for drawings, information and calculations for which the Contractor is responsible, shall be in accordance with the provisions of the specification data.

4.2.5.8 Software applications for programming shall be as the Contractor deems appropriate for the contract.

4.2.5.9 All advertising rights on the site and hoardings shall be reserved exclusively for the Employer.

4.2.5.10 A degree of **accuracy II** shall apply where a choice of degree of accuracy is offered, and no degree of accuracy is provided in the specification data associated with the relevant part of SANS 2001.

4.2.5.11 Whenever a drawing is supplied in hard copy by the Employer to the Contractor, or vice versa, two prints of each item, with all lines and text clearly visible, shall be provided.

4.2.5.12 Drawings or other information provided to the Contractor by the Employer shall be marked "for information", "for ordering of materials", "for construction" or for any other purpose, as relevant. Drawings or other information not so marked shall be deemed to be "for construction".

4.2.5.13 The Contractor shall institute a quality assurance system and provide experienced personnel as well as all the necessary transport, instruments and equipment, to ensure adequate supervision and positive control of the works at all times in order to

Employer:		Contractor	
Witness:		Witness:	

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Part	T1	T2	C1	C2	C3	C4

comply with the requirements. Provision of security on site is the responsibility of the contractor.

PS 4.3 Plant and materials

The Contractor is required to provide all plant and materials necessary to carry out the works as specified and required. No additional allowances other than those already specified in the Schedule of Rates shall be allowed for with respect to plant and materials.

Where any of the operations or the movement of any of the construction vehicles or mobile construction equipment, or any combination of these activities, causes damage to the surface of an area normally open to the public, such surface shall be repaired to the original condition as a matter of urgency.

Construction equipment shall be suitable for the successful execution and completion of the works under the conditions applicable to the site.

The construction equipment used for applying the dynamic load, controlling the moisture content, and grading or mixing, shall be capable of achieving the specified compaction with the materials available for the construction of the works.

The Contractor shall provide the following plant and equipment on the site as and when required, together with operating personnel:

- (a) trucks for the transportation of materials from storage site to construction site and back;
- (b) road traffic signs, materials for barricading and lighting and all other items necessary for ensuring public safety and convenience. The Contractor shall furnish all labour required for the erection, maintenance and removal of these items and materials;
- (c) mechanical and power tools, when ordered to do so by the Engineer;
- (d) hand tools and equipment such as shovels, picks, etc., which may, in the opinion of the Engineer, be required for the execution of the works;
- (e) forms for the casting of cast-in-situ concrete for anchor blocks. The Contractor shall supply all labour required for the erection, stripping and cleaning of forms; and
- (f) any other plant and equipment deemed necessary for the execution of the Works

Unless otherwise indicated in the contract documents, the Contractor shall provide all such plant and equipment complete with operating personnel, fuel and power as required.

If the Contractor fails, in the opinion of the Engineer due to his own negligence, to enable the plant or equipment to be efficiently or fully utilized, the costs of underutilization of plant or equipment shall be borne by the Contractor to the extent determined by the Engineer.

PS 4.4 CONSTRUCTION EQUIPMENT

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

The Contractor shall ensure that adequate equipment is available for the entire pipe construction operation. This shall include equipment for pipe cleaning, pressure testing of the newly laid water main.

The tenderer shall include full details in his tender of the tools he intends to use, it's capabilities and the age of the equipment, as well as written proof from the licensor, that he is the duly appointed licensee allowing him to use the said tool in the RSA and that due royalties are paid up to date.

Failure by the tenderer to give full details of the tools the contractor intends to use, will render this tender incomplete.

PS 4.5 EXISTING SERVICES
PS 4.5.1 Known services

Existing known services, both underground and overhead, are indicated on the drawings, but the positions of existing services on the drawings are not guaranteed nor does the Employer or the Engineer accept any liability in this regard.

The Contractor shall make himself acquainted with all existing services such as storm water drains, water mains, power lines, cables, gas pipelines, telephone and lighting poles, water meters, stopcock boxes, valve boxes, hydrants, air mains, trees, sewers, electricity cables, telecommunication cables etc. before any excavation commences. Special care and due diligence shall be exercised when working adjacent to the abovementioned existing services.

Under no circumstance is the Contractor to alter or in any way interfere with existing works or underground services unless authorised by the Engineer.

Where, in the opinion of the Engineer and if ordered by him, there is sufficient uncertainty as to the existence of, or the position or depth of any underground services, the Contractor shall first make use of specialist equipment such as ground penetrating radar before carrying out exploratory excavations using hand tools, in order to obtain the required information without causing damage. Exploratory excavations shall be carried out, refilled and reinstated in an approved manner as expeditiously as possible. Where existing works are of such a nature that the Engineer may require them to be moved by the Contractor, the cost of such work will be paid for at scheduled rates or on a Day works basis.

The Contractor shall excavate by hand, trial pits to ascertain whether there are any services existing within the relevant section of the site. The Contractor shall complete such an investigation well in advance of the start of construction work in the said section and he shall submit a report in appropriate time to the Engineer.

Any deviation of the positions of such services must be reported to the Engineer immediately. Should the Contractor find underground services that are not indicated on the construction drawings at all, the Engineer shall be immediately notified. In both cases the Engineer shall assess the situation and instruct the Contractor on an appropriate course of action to be taken.

All cables and pipes shall be considered "live" unless confirmed otherwise by the relevant authority.

The Works must be scheduled and programmed so that when work is disrupted due to the influence of unexpected services encountered, construction can continue in other portions of the site to allow the situation to be remedied by rerouting of new or existing services. The Contractor shall restore to its original condition any structure or service with which there has been temporary interference.

Employer:		Contractor	
Witness:		Witness:	

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PS 4.5.2 Treatment of existing services

The Contractor must liaise with all relevant local service authorities to satisfy himself that all relevant services have been located. At the commencement of the contract, the Contractor must hand excavate a distance **0,5 metre on each side of the located service** to expose it. The exposed service shall be identified and recorded on a drawing.

A copy of the drawing with all known services shall be submitted to the Engineer before construction can commence in any road reserve. Once the exposed service is identified and recorded the excavation must immediately be backfilled. **Re-excavation** by hand at construction stage will not be measured in addition to normal trench excavation.

The Contractor shall retain full responsibility for establishing the exact positions of the various services in advance of any construction work. No allowance for delays or disruption shall be entertained unless the Contractor complies fully with the provisions of this clause regarding the establishment of the exact positions of the various services in advance of any construction work.

PS 4.5.3 Use of detection equipment for the location of underground services

The Contractor is responsible to provide his own equipment in order to determine the location of existing services and shall locate and expose existing services by hand.

PS 4.5.4 Damage to existing services

The Contractor must make adequate provision for the possible existence of numerous services within and in close proximity to the work areas;

He shall take all necessary steps to protect any existing services whatsoever against damage which may arise as a result his operations on site. Adequacy in terms of protection of existing services shall be at the discretion of the Engineer. The Contractor is to make good the protection of and any breakages to existing services;

The Contractor must inform the relevant service provider immediately (within 2 hours of the incident) such that procedures for the re-instatement of the service can be effected, should he damage or break an existing service (whether known or unknown);

The Contractor shall bear the cost of the repair of damages to any service, the possible existence of which could reasonably have been ascertained by him in appropriate time.

Under no circumstance is the Contractor to alter or in any way interfere with existing works or underground services unless authorised by the Engineer.

NOTA BENE: Drawings indicating other existing services in the vicinity of the Works are not guaranteed as being accurate, as all other services may not have been recorded or properly recorded. It shall remain the responsibility of the Contractor to perform pre-operational work, to locate existing services in advance of the commencement of the Works.

PS 4.6 SITE ESTABLISHMENT, FACILITIES AVAILABLE AND REQUIRED

PS 4.6.1 General

In order to facilitate compliance with the General Conditions of Contract and Conditions of Contract the Contractor shall be required to set-up an individual construction camp. The size and functionality of the site camp shall be in relation to the individual Sections. It is, however, expected that the Contractor would have made himself aware on whether one or multiple site camps are required for the execution of the complete Contract Works.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

The Contractor shall price accordingly and state so in their proposal. For the camp/s, the following shall apply:

- a) The Contractor shall make arrangements with the relevant authority for a suitable site to establish a construction camp, storage, works offices, workshop/s, kitchen, and shelters for security personnel.
- b) The Contractor shall note that only security personnel shall be permitted to remain in the campsite overnight.
- c) Ablution facilities shall be provided for men and women separately. One (1) toilet per twenty (20) workers shall be provided. Such facilities shall at all times be maintained in a clean and hygienic condition. Toilets shall be **screened** from public view and their use shall be enforced.
- d) Covered accommodation shall be provided for perishable or corrodible materials, fittings and the like and shall be adequate and suitable for their purpose. In the case of cement stores, they shall be well ventilated, weatherproof and waterproof with appropriate floors to keep the materials dry and freely aerated.
- e) All such accommodation shall be subject to the approval of the Engineer who shall have free access thereto at all times.
- f) Temporary buildings and fencing are to be safe, neat and presentable and the surrounding areas must at all times be kept in a neat, clean and orderly condition for the duration of the Works.
- g) It shall be the Contractor's responsibility to ensure that they are in compliance with all relevant laws and regulations as well as tribal requirements.

PS 4.6.2 Site facilities required for Engineer

- a) Source of **water** supply: It will be the responsibility of the Contractor to make his own arrangements for the supply of water. Potable water is available in the area and the Contractor is to make the necessary arrangements for the provision of a metered point of supply with the Employer. The sum entered by the Contractor in the Bill of Quantities for provision of water shall be deemed to include full compensation for the procurement, transport, storage (where necessary), supply and application of water and for all the work necessary and incidental thereto for the various items of work where water is required for the purposes of the contract. The Employer does not guarantee the availability, sufficiency or continuity of any supply and no claims in this regard will be considered.

The Contractor is to be aware of the fact that this Contract is to be carried close to a built-up environment and that, as such, excessive dust creation will be considered unacceptable by the local residents. The Contractor is to make provision for regular watering of the works in order to alleviate dust creation. During dry weather, or during periods when dust is created by the construction process, the Contractor will be required to water the works a minimum of twice a day, or as specified by the Engineer. This is a requirement over and above the normal requirement for watering of the works.

- b) Source of **power** supply: It will be the responsibility of the Contractor to make his own arrangements for the supply of electricity. The sum entered by the Contractor in the Bill of Quantities for the provision of power shall be deemed to include full compensation for the procurement and supply of powers to the works. The Employer does not guarantee the

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
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availability, sufficiency or continuity of any supply and no claims in this regard will be considered.

- c) Contractor's camp: A suitable site for the Contractors camp will be identified prior to commencement by the Employer. The Contractor is to make the necessary arrangements for the payment of services to the Municipality where applicable. The camp site shall be kept clean and tidy, and at the completion of the contract shall be restored to its original condition at the Contractor's own cost, and to the satisfaction of the Engineer. In order to facilitate compliance with the Conditions of Contract and the Specification, the Contractor may establish storage accommodation, works offices, workshops, mess-rooms, kitchens, shelters for watchmen, latrines, ablutions and the like in such positions and under such conditions as may be agreed by the Engineer and indicated in the Addendum to the EMP.

Temporary buildings and fencing are to be neat and presentable and the surrounding areas must at all times be kept in a neat, clean and orderly condition.

The Contractor shall not make any excavation without written permission of the Engineer.

Covered accommodation for perishable or corrodible materials, fittings and the like shall be adequate and suitable for their purpose, and, particularly in the case of cement stores, shall be well ventilated, weatherproof and waterproof with floors raised off the ground, so as to keep the materials perfectly dry and freely aerated. All such accommodation shall be subject to the approval of the Engineer who shall have free access there at all times.

In addition to the above, the Contractor shall provide one (1) toilet per twenty (20) workmen. Portable toilet facilities shall be made available to workers of both male and female genders, the number provided to be in proportion to the ratio of the sexes. The toilets shall be located in the vicinity of the work site, shall be screened from public view and the use thereof shall be enforced. The Contractor shall, where applicable, make the necessary arrangements for the regular removal of night soil.

The Contractor may not house members of his permanent staff except for a security guard at the site and is to make the necessary arrangements for the transport of his staff members to and from the site on a daily basis. As the Contractor's Camp may be located in close proximity to a residential area, attention to noise levels, particularly after hours, will be essential.

- d) Site facilities required for Engineer and others: The requirements of the Engineer's Site Establishment are detailed in Project Specification PSA and PSAB.

The Contractor shall provide the following office facilities at his main site camp for the Engineer and others:

- One (1) office for the Engineer's Representative.
- Temporary office accommodation to suit his own requirements.
- Covered parking facilities for two (2) cars for the Engineer's Representative.

A cell phone will be required for the sole use of the Engineer's Representative. The Contractor shall be responsible for the payment of calls related to the Contract made by the Engineer's Representative, on this mobile phone, during the course of the Contract.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

A Telkom ADSL line or hi-speed wireless system with modem facilities shall be provided on site and be available for the sole use of the Engineer's Representative at all times.

PS 4.7 SITE USAGE

PS 4.7.1 Work on private or state property

The Contractor is to confine his activities strictly to the working area defined as being within 10 m on either side of the pipelines, spoil sites and the direct access roads to these. He shall not encroach upon any roadway except with the prior approval of the Employer, in writing. The Contractor shall, throughout the Contract, take adequate precautions to protect all existing services from damage whether or not they have been pointed out to him.

Shallow sewer connections are to be found at the rear of the mid-block latrines. Particular care shall be exercised when excavating behind these structures. Underground electric cables are to be found on all erven at depths of between 75 and 1000 mm. Typically, these cables are at a distance of up to 1200 mm parallel to the erf boundaries and perpendicular to the common boundaries where they connect to the houses. Cables may also be encountered along the boundary behind the latrines. Particular care should be exercised when excavating in the vicinity of these cables.

The Contractor shall, as soon as is practically possible, inform the Engineer of any damages to services and shall not repair any such damage unless instructed to do so. The Contractor shall be responsible for making good, at his own cost and to the satisfaction of the Engineer, all damage caused by him to buildings and other improvements to properties.

Should the Contractor consider that damage to buildings and structures is unavoidable in the execution of any portion of the Works, he shall obtain the approval of the Engineer before proceeding with the work. Where damage is noticed before commencement of work on that erf, this should be reported to the Engineer in order to prevent a possible liability claim from the owner.

PS4.7.2 Site safety and precautions against nuisance

The Works are to be conducted in an urban area where high volumes of pedestrian and vehicular traffic may prevail. The watching, barricading, lighting and traffic control on site shall be carried out in strict compliance with these specifications. The Contractor shall ensure that all safety measures are strictly adhered to. The Contractor shall ensure that excavations on sidewalks within the road reserves or within the erven do not at any time present a safety hazard to pedestrians. All excavations that remain open overnight are to be adequately protected.

The Contractor shall provide all safety materials and equipment necessary for barricading and safeguarding the excavations. The safety of staff and labour involved with the Works and the security of installations, plant and equipment is of major concern and need special attention during the execution of the Works.

Plant used on the Works shall be as efficiently silenced as possible and noisy operations will be permitted only between the hours of 07:00 and 17:00. Any work outside normal hours will be permitted only on the written authority of the Engineer. Wherever excavations or loading of material is liable to form dust, an effective method of spraying water over the excavated area and loaded material shall be instilled. Any rock or debris falling from trucks on the roads shall be removed immediately. Precautions shall be taken to prevent fouling of public roads or private surfaces. The Engineer may order the Contractor to broom off and clean roads or surfaces where debris may constitute a danger to the public or a nuisance to the owners.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PS4.7.3 Work on live water mains

Every effort will be made by the Client to furnish the Contractor with all available information regarding existing reticulation systems. Such information is given in good faith. Actual conditions in the field may, however, vary from the records upon which information is based. The Contractor must allow in his programme for delays when working on live mains and, as far as possible, such work should not be on the critical path of any programme and every effort must be made to have alternative work available.

PS4.7.4 Flushing and cleaning of water mains

On satisfactory completion of work, the mains shall be flushed with potable water supplied by the Council. The Contractor shall ensure that the water used for flushing is disposed of in an approved manner without damage, nuisance or injury to person or property. The Contractor shall allow in his rates for all costs associated with the flushing of water mains and communications pipes. All water required for the flushing of water mains shall be supplied free of charge by the Client. If, in the opinion of the Engineer, foreign material has entered or remained in pipelines, the Contractor shall arrange for the water mains to be cleaned. The cost of cleaning including the cost of water used shall be for the Contractor's account.

PS4.7.5 Work outside normal working hours

In accordance with General Conditions of Contract Clause 5.8.1, certain work may only be done outside normal working hours. Such work shall be undertaken solely at the discretion of the Engineer who shall, from time to time, issue advance orders in writing to the Contractor detailing the work to be undertaken. Work undertaken, as ordered, outside normal working hours shall be measured and paid for at the rates applicable to each and every item carried out as scheduled.

Normal working hours shall be defined as between 07:00 and 17:00 Mondays to Fridays and also 07:00 to 13:00 on Saturdays.

Where the Works are conducted within the road reserve of major arterial roads, the Contractor's operations will be restricted to out-of-peak traffic periods (typically 09:00 to 15:30) or as determined by the local authority. The Contractor shall co-ordinate his activities in such a manner that only minor operations that are non-disruptive to traffic are carried out during peak traffic periods. Should the Contractor choose to work outside normal working hours without having been ordered to do so by the Engineer, permission will not be unreasonably withheld but all additional costs arising out of such work shall be entirely for the Contractor's account.

PS 4.8 PERMITS AND WAYLEAVES

The Engineer will be responsible for the submissions of the wayleave applications to all the relevant service providers. The Contractor will however remain responsible to liaise with the respective authorities and confirmation of services on Site.

Note that while the Engineer may have obtained approvals for wayleaves, the accuracy of the existing services cannot be guaranteed, and the Client takes no responsibility. Any damages to existing services, remain the responsibility of the Contractor.

Wayleaves must be obtained from all the relevant service providers in the jurisdiction of the Mpumalanga Province Department of Transport and Govan Mbeki Local Municipality, including the following services: roads and stormwater, bulk water supply, electricity, gas, telecommunications, and the like.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

All associated costs to obtain permits and way-leaves as required for the execution of the works, where such affect other services, shall be deemed to have been included in the scheduled rates for SANS 1200A or SANS 1200AA or SANS 1200AB where pricing provision for such items have been allowed for in the pricing schedules, alternatively it shall be deemed to be included in the various scheduled activity rates or prices provided by the Contractor.
NOTA BENE: No extension of time shall be granted for this process.

PS 4.9 ALTERATIONS, ADDITIONS, EXTENSIONS AND MODIFICATIONS TO EXISTING WORKS

The Contractor shall, within twenty (20) working days or 10 % of the construction period after taking possession of the site (whichever is the lesser), satisfy himself that the dimensional accuracy, alignment, levels and setting out of existing structures or components thereof are compatible with the proposed works, and notify the Employer of any areas of dissatisfaction.

The Contractor shall, on becoming aware of a defect in existing works which will have an impact on the current works, notify the Employer of such a defect without delay.

The water mains of the existing network would have to be modified on site to facilitate the connection of the new bulk water main installation.

PS 4.10 INSPECTION OF ADJOINING STRUCTURES, SERVICES, BUILDINGS AND PROPERTIES

The Contractor shall, before commencing with works which have the potential to damage surrounding structures, services, buildings or property, arrange an inspection with the owners of such structures, services, buildings and property and representatives of local or controlling authorities, as appropriate, to determine the condition of buildings, structures, services, paved surfaces, roads, kerbs, channels and the like, that the works could affect, and document their current condition in sufficient detail to enable disturbances or damage which might be caused by the works to be evaluated. The Contractor shall furnish the Employer with copies of all such documentation and shall be held responsible for any disturbance and damage to such structures, services, buildings and property arising from the performance of the contract as well as any costs involved in refuting or processing such claims.

PS 4.11 WATER, SANITATION AND ELECTRICITY FOR CONSTRUCTION PURPOSES

PS 4.11.1 Water

The Contractor shall make his own arrangements with the Employer to obtain a potable water metered standpipe connection for which at least 14 days' notice shall be given. The size of the connection provided will be as specified in the Water and Sanitation By-laws.

The Contractor may only draw water from fire hydrants through means of a legal, Employer owned, potable water metered standpipe. Failure to use such Employer owned potable water metered standpipes, or using illegal, non-Employer owned equipment for purposes of drawing water from fire hydrants, will result in the Contractor having to pay an account to the Employer, for an amount determined by the Employer

The potable water metered standpipe(s) must be made available to the Employer's water inspectors for purposes of reading and inspection, and failure to do so, will result in the immediate withdrawal of such potable water metered standpipe(s). The onus is on the Contractor to return such potable water metered standpipe(s) if they are found to be defective (not registering consumption). Failure to do so will result in an account being levied, payable to and determined by the Employer. Claims for delays caused where standpipe(s) are withdrawn and/or replaced will not be considered.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

The current water tariffs applicable to the Contract are available from the Employer.

PS 4.11.2 Sewer

The Contractor shall provide, maintain, move to positions as required and finally remove proper sanitary accommodation at each work front. Sanitary accommodation shall be properly screened, and its use strictly enforced. The Contractor shall comply with the Employer's Sanitation General By-Laws Sections.

The situation of sanitary accommodation prescribed in terms of the Sanitary General By-Laws shall be approved by the Engineer as being convenient for the person for whose use it is intended. The sanitary accommodation provided must be adequately ventilated, properly disinfected and kept in a thoroughly clean condition at all times.

The Contractor shall bear all costs associated with the provision of sanitary accommodation. Compensation for these costs will be made under the relevant item in the Schedule of Rates.

PS 4.11.3 Power

The Contractor shall make arrangements with the relevant authority for the supply and distribution of power for purposes of this Contract, the cost of which shall be deemed to be included in the rates inserted in the Schedule of Rates.

Power used for carrying out of the works in accordance with these Specifications will not be subject to measurement or payment.

PS 4.12 SURVEY CONTROL AND SETTING OUT OF THE WORKS

The Contractor is to confirm the levels and coordinates of all benchmarks prior to commencing with construction.

The Contractor shall, prior to the ordering of construction material, set out the works strictly according to the Engineer's construction drawings and/or site instructions.

The Contractor shall record the setting out of the works in an approved format and order all required construction material accordingly.

PS 5 MANAGEMENT OF THE WORKS

PS 5.1 PLANNING AND PROGRAMMING

PS 5.1.1 Work plan

Seven (7) days prior to commencing with any part of the Works, the Contractor shall submit to the Engineer, for review and approval, a work plan detailing the procedure and schedule to be used to execute such works, detailing and substantiating any deviation from the originally proposed approach. Further, the work plan shall include a:

- a) time frame;
- b) description of all equipment and tools to be used;
- c) list of personnel and their qualifications and experience (including back-up personnel in the event that an individual is unavailable);
- d) list of sub-contractors, schedule of work activity;

Employer:		Contractor	
Witness:		Witness:	

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- e) safety plan (clearly highlighting any potentially hazardous substances to be used);
- f) traffic control plan (if applicable);
- g) an environmental protection plan; and
- h) Contingency plans for possible problems.

The approval given by the Engineer shall in no way relieve the Contractor of the ultimate responsibility for the satisfactory completion of the work as prescribed under this Contract

Work plan shall be comprehensive, realistic and based on actual working conditions. Further it shall form the various sub-sections of the overall Contract programme and plan.

NOTA BENE: No works shall be allowed to commence without an approved work plan.

PS 5.1.2 Planning

The Contractor shall ensure that he:

- a) is well informed with regard to the Employer’s overall maintenance programme and avail resources as required to efficiently complete this Contract; and
- b) delivers goods and services timeously to meet the Employer’s prevalent performance standards and where applicable to not unnecessarily delay any other contractors, service providers and suppliers.

PS 5.1.3 Programming

In order to ensure a clear understanding, at the inception of the Contract, of the programming and documentation format requirements, the Contractor shall appoint a project programmer/planner for liaison during the Contract. The Contractor shall for the Contract Period provide and regularly update (maximum monthly) a Contract Programme.

The programme shall at minimum contain:

- a) Time Scale (minimum):
 - i) Days, where the period does not exceed three months. Weeks, where the project period exceeds three months.
 - ii) Months, where the period does not exceed one year.
 - iii) Years, where the project period exceeds one year.
- b) Tasks: Where phases or stages are anticipated, this shall be the highest level of division and all tasks related to the successful accomplishment of that phase of the area shall be grouped. Resources allocation and task dependency shall be indicated.
- c) The programme shall make allowance for anticipated activities with durations per line item of no longer than twenty-eight (28) days. Several line items shall comprise an activity of duration in excess of twenty-eight (28) days.
- d) Start and Finish Dates: All tasks shall have specific start and finish dates.
- e) Critical Path: All tasks forming the programme line that will establish any delays in the overall Contract Period shall be clearly indicated and an indication of their sensitivity characteristics shall be provided.
- f) Progress Tracking: The Contractor shall be required to periodically indicate progress per task graphically and on a percentage basis.
- g) Non-working Time: All South African public holidays, weekends and the local traditional annual builder’s break shall be incorporated in the programme.

Once a detailed Contract programme has been approved, the Contractor shall not deviate from the planned operations.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

The programme shall not be in the form of a bar chart only but shall show clearly the anticipated quantities of work to be performed each month, together with the manner in which the listed plant is to be used, as well as the anticipated earnings for the various sections of work, i.e. linked to a projected cashflow.

NOTA BENE: A Contract programme shall be submitted to the Engineer no later than 21 days after Contract Commencement Date.

The Contractor shall provide the Engineer with a method statement indicating the manner and sequence in which he intends to construct the works, for each work area, with the program. In **the method statement** the Contractor must address **at least the following items**:

- a) sequence of the works for the relevant works area;
- b) target dates for the tasks identified in sequence of the works for the relevant works area;
- c) materials requirements;
- d) construction Plant to be used;
- e) services affecting construction;
- f) any factors that could affect construction progress after commencement and

The programme shall contain the following activities and or items **as a minimum requirement**:

- a) Testing and acceptance control
- b) As-built levels and drawings
- c) Date for Practical Completion
- d) Date for Completion
- e) Health & Safety Compliance Audits
- f) Environmental Compliance Audits

The method statement must be approved by the Engineer before commencement of construction. In order to minimize the impact on traffic, pedestrians and business the Contractor will be required to segment the works in such a manner that no portion of the works is more than one day ahead of the following position. These segments of the works shall be clearly defined in the Contractor's method statement for each work area.

If, during the progress of the work, the quantities of work performed per month fall below those shown on the program or if the sequence of operations is altered, or if the program is deviated from in any other way, the Contractor shall within one week of the event submit a revised program to the Engineer.

If the program is to be revised by reason of the Contractor falling behind his program, he shall produce a revised program showing the modifications to the original program necessary to ensure completion of the Works or any part thereof within the time for completion. Any proposal to increase the rate of work must be accompanied by positive steps to increase production by providing more labour and plant on the Site, or by using the available labour and plant in a more efficient manner.

Failure on the part of the Contractor to submit or to work according to the program or revised program shall be sufficient reason for the Employer to take steps as provided for in the GCC.

The approval by the Engineer of any program shall have no contractual significance other than that the Engineer would be satisfied if the work is carried out in accordance to such program and that the Contractor undertakes to carry out the work in accordance with the program. It shall not limit the right of the Engineer to instruct the Contractor to vary the program should circumstances make this necessary.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PS 5.2 SEQUENCING OF THE WORKS

Notwithstanding any changes that the Engineer deems necessary the sequences should include the following:

- Mobilisation, project planning and control and communications to stakeholders
- Site clearance for the affected areas
- Exposing existing services
- Excavation, trench preparation and compaction
- Supply, bedding and laying of pipes
- Backfilling (blanket layers and top layers including compaction)
- Construction of manholes
- Construction of roads and storm-water drainage system
- Testing of the installation
- Clearing of the site including removal of spoil
- Site hand over

PS 5.3 SOFTWARE APPLICATIONS FOR PROGRAMMING

The construction programme shall be completed in Microsoft ® Project Standard 2007 or compatible software. The construction programme and updated versions thereof shall be made electronically available to the Engineer.

PS 5.4 METHODS AND PROCEDURES

The Contractor shall submit to the Engineer, within a period stated in the Contract Data, a detailed construction programme, detailing the date of commencement and completion of the work activities, dates, duration and extent of traffic accommodation interruption water supply to affected consumers. The detailed programme shall be based on the preliminary programme submitted with the tender and shall make an allowance for the following:

- Normal working hours shall be defined as between 07:00 and 17:00 Mondays to Fridays and also 07:00 to 13:00 on Saturdays.
- No work outside working hours will be allowed. Should the Contractor wish to work outside normal working hours written permission shall be obtained from the Engineer and all additional costs arising out of such work shall be entirely for the Contractor's account.
- Only one side of the street may be affected by the construction at any one time.
- The Engineer may require that the construction of certain road crossings be done outside normal working hours.

The Engineer shall provide the Contractor with drawings and details of the Works that need to be done.

Once a detailed programme has been approved, the Contractor shall not deviate from the planned operations.

Pipeline and associated hydrants, valves and fittings

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

- The existing pipes will be left in place and remain operational until such time that it is switched over to the new pipeline.
- The connection of the new pipe will be done by the Contractor under strict monitoring by the Engineer.
- Extreme care should be taken not to break or damage the existing pipelines. If this should happen and the existing pipe gets damaged during the course of installing the new line, then the relevant Depot Manager must be notified. The trench will have to be drained by the Contractor after the Depot has turned the water supply off. All assistance must be given by the Contractor to the Depot in repairing the damaged pipe.
- The new pipelines will be laid as indicated on the drawings supplied.

All existing erf connections are to be disconnected from the existing reticulation and then reconnected to the new pipeline with minimum disruption to residents.

Fire hydrants and valves

- New fire hydrants, valves and fittings are to be supplied and installed on all the new pipelines.
- After the old mains have been disconnected from the reticulation system all existing valves and hydrants are to be handed to the Employer

General

- The Contractor will arrange for the warning of the public of any shutdown of supply necessary in his/her opinion for the proper execution of the Works.
- All disconnections and reconnections, connections to the existing mains, closing and opening of valves and the disruption of water supply must be liaised with the Volksrust Depot Operations Manager, at least four (4) working days prior to the action.
- The disruption of supply and the duration of disruption of the supply to the consumers are to be kept to a minimum. Consumers are to be informed of any disruptions as described later in this specification.
- Any claims from the property owners and/or the community will be considered and evaluated by the Employer. Should the Employer's find a valid claim but found that the Contractor has neglected his/her responsibilities and/or duties, which lead to the claim, the Contractor will be responsible for settling the claim.

PS 5.5 QUALITY PLANS AND CONTROL

The onus to produce work that conforms in quality and accuracy of detail to the requirements of the specifications and drawings rests with the Contractor, and the Contractor shall, at his own expense, institute a quality-control system and provide experienced personnel, together with all transport, instruments and equipment to ensure adequate supervision and positive control of the works at all times.

The cost of supervision and process control will be deemed to be included in the rates tendered for the related items of work.

On completion and submission of every part of the Works to the Engineer for examination, the Contractor shall furnish the Engineer with proof of quality in the form of a data pack containing measurements, levels and all compaction, x-ray and hydraulic test results to indicate compliance with the scope of work.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PS 5.6 ACCOMMODATION OF TRAFFIC ON PUBLIC ROADS OCCUPIED BY THE CONTRACTOR

PS 5.6.1 Accommodation of traffic

The Contractor shall ensure the safe accommodation of traffic at all areas where the work may impact traffic and shall provide all delineators, watching, lighting, signs and barricades required by the road authorities, and in accordance with the South African Road Traffic Signs Manual.

PS 5.6.2 Access to properties

Adequate access shall at all times be maintained to public and private properties unless otherwise arranged and approved. Details of the proposed means of access shall be submitted before any such access is restricted. Claims arising from impeded access shall be the responsibility of the Contractor.

At least seven (7) days before commencing any work affecting access to a property, the Engineer and the occupier/owner of each such property shall be notified of the Contractor's intention to commence work, the date of commencement, expected duration and arrangements which will be made regarding maintenance of access.

PS 5.6.3 Pedestrian access

The Contractor shall provide a structurally sound and safe bridge with side rails across dangerous excavations crossing sidewalks to allow pedestrians safe access to such sidewalk. Associated costs for the provision of pedestrian access to sidewalks shall be deemed to have been included under the various excavations or combined activity rates and/or prices in the pricing schedules.

PS 5.7 OTHER CONTRACTORS ON SITE

As indicated in Clause 7.3.1 of the General Conditions of Contract, the Contractor shall afford reasonable facilities to other contractors and The Client workers if so required.

As such, the Contractor is required to make adequate allowances for such access. No claims with respect to this item shall be entertained by the Employer.

PS 5.8 TESTING, COMPLETION, COMMISSIONING AND CORRECTION OF DEFECTS

The onus is on the Contractor to produce goods and services which shall conform in quality and in accuracy of detail to the requirements hereinafter specified. The Contractor must clearly understand that it is not the duty of the Engineer or his representative to act as foreman or surveyor on the Works.

The Contractor shall, at his own expense, provide experienced engineers, foremen and surveyors together with all transport, instruments and equipment for supervising, checking and controlling the work.

The act of passing any completed work or accepting materials or goods for payment by the Engineer shall not be construed as signifying approval or acceptance thereof. Failure on the part of the Engineer to reject any defective work or material or goods shall not in any way

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

relieve the Contractor of his obligations under the Contract, nor prevent later rejection when such work or material is discovered.

The Contractor shall, when submitting any work to the Engineer for examination, satisfy himself by testing, measurement and otherwise as may be necessary that the work does in fact meet with the requirements of the Specifications. This information shall be submitted with the Contractor's request for examination and the Engineer shall be authorised to decide on the number and type of tests, measurements, etc. required to enable him to judge the quality of the work. The submission of this information shall in no way diminish the authority of the Engineer to conduct such tests as he may consider necessary in order to determine the quality of the work performed by the Contractor, nor shall he be bound to take account of the Contractor's tests, measurements, etc. should he consider these to be either incorrect or not representative.

Quality control and completion tests shall be in accordance with the relevant standard and amended specifications and additional specifications.

PS 5.9 RECORDING OF WEATHER AND ABNORMAL RAINFALL

If during the time for completion of the Works or any extension thereof should abnormal rainfall or wet conditions occur, then an extension of time in accordance with Clause 5.12.2 of the General Conditions of Contract 2015 thereof shall be granted by the Employer, calculated on the critical path method. It shall be applied as follows:

A delay caused by inclement weather conditions will be regarded as a delay if, in the opinion of the Engineer, all progress on an item or items of work on the critical part of the working programme of the Contractor has been brought to halt. Delays on working days only (based on a five-day working week) will be considered for the extension of time, but the Contractor shall make provision in his programme of work for an expected delay of twenty (20) working days caused by normal rainy weather, for which he will not receive any extension of time.

Daily records of rainfall and activities within the critical parts affected shall be kept by the Contractor and signed by the Engineer's representative on the site. For this, accurate rain gauging shall be taken at a suitable point on the site, and the Contractor shall, at his own expense, take all necessary precautions to ensure that unauthorised persons do not interfere with the rain gauges. Failure to produce signed copies of the above records on a daily basis to the Engineer's representative on the site after the event having occurred will be deemed to be in breach of this Clause and will not be admissible for purposes of seeking an extension of time.

The Contractor shall be permitted to take his own rainfall measurements on site subject to the Engineer's approval, but access to the measuring gauge(s) shall be under the Engineer's control. The Contractor is to provide and install all the necessary equipment for accurately measuring the rainfall as well as to provide, erect and maintain a security fence plus gate, padlock and keys at each measuring station, all at his own cost.

PS 5.10 FORMAT OF COMMUNICATIONS

The Contractor and Client shall follow the communication protocol through the Engineer and Contractor representatives. Communication media applicable shall be site meetings, telephone, fax, letter and email.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PS 5.11 KEY PERSONNEL

The key role players involved or associated with the contract are listed below with references made to the General Conditions of Contract.

- The Employer (GCC 2015, Clause 1.1.1.15)
- The Engineer (GCC 2015, Clause 1.1.1.16)
- The Engineer’s Representative (GCC 2015, Clause 1.1.1.17)
- The Contractor (GCC 2015, Clause 1.1.1.9)
- The Contractor’s Site Agent (GCC 2015, Clause 4.12.2)
- Responsible person in terms of the OHAS Act (GCC 2015, Clause 3.1.4)

NOTA BENE: The Contractor will be required to provide key personnel similar to or of higher qualification and experience as those provided for at tender stage.

PS 5.12 SITE MEETINGS

Fortnightly site meetings shall be arranged and facilitated by the Engineer or his representatives. Senior Contractor management staff attendance shall be compulsory.

The Contractor shall be required to provide reporting with regard to project progress, resources (human, plant and equipment), community issues, environmental and health and safety aspects.

PS 5.13 FORMS FOR CONTRACT ADMINISTRATION

The Contractor shall maintain a file which shall contain project information related to project progress, resources (human, plant and equipment), community issues, environmental, health and safety aspects, penalties imposed, claims lodged and outcomes, disputes and resolutions, payment and variations.

PS 5.14 DAILY RECORDS

The Contractor shall keep daily site records as required by the Employer or his representative and as specified herein. Daily records shall include, labour, plant, materials, rainfall, environmental issues, health and safety issues, daily diary and the like. Such records shall be the property of the Employer and shall be made available to the Employer or his representative within 24 hours from being requested to do so.

PS 5.15 BONDS AND GUARANTEES

In addition to GCC 2015 Clause 8.6, the Contractor shall provide the Form of Guarantee for the due and punctual fulfilment and completion of all the Contractor’s obligations under the Contract. No extension of time of the Contract Period of Performance or neither any variation of the Contract, nor the determination of the Contract by the Employer in terms of Clause 8.6 hereof, shall in any way impair or diminish or terminate any liability to the Employer under and by virtue of such Guarantee.

Should the Contractor, when notified of the acceptance of his offer, fail to provide an approved Guarantee within the stated period, then the Employer may, at his sole discretion:

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

(a) Grant the Contractor a further reasonable period in which to provide the bond; or

(b) Withdraw his acceptance of the tender in which case the Contract shall be deemed to be void, but without prejudice to the Employer's rights to recover whatever damages he may have suffered by virtue of the Contractor's failure to fulfil his obligations.

PS 5.16 PAYMENT CERTIFICATES

Measurements will be done continuously between the Engineers Representatives and the Contractor on dates and times agreed on. Dates must be arranged by these parties. The progress of the following items will be recorded hereunder:

- The Contractor will provide a certificate with quantities to the Engineer before or on the **18th day of every month.**
- If any material on site is claimed, **proof of ownership must be provided** either by means of the necessary invoices, receipts or a letter from the supplier stating that ownership has been transferred to the Contractor upon delivery.
- After the payment certificate has been approved by Engineer, the Contractor must issue a VAT invoice. The certificate will then be ready for handing in to the Client on the **25th day of every month.**
- Payment certificates shall be accompanied by the monthly **EPWP** stats.
- The Contractor shall note that payment shall only be made for Works activities **successfully** (delivering the end result) executed, complying with the quality requirements and provided to the Engineer or his duly authorised representative.

PS 6 FEATURES REQUIRING SPECIAL ATTENTION

PS 6.1 Security

The Contractor shall be responsible to provide security on site as he deems necessary. The Employer shall not be held responsible for any loss or damage(s) suffered by the Contractor with regard to his plant, equipment, materials, subcontractors or employees as a result of a security incident of any nature.

PS 6.2 Operation of valves

Only employees of the Employer are permitted to operate primary and secondary water mains valves.

PS 6.3 Work outside normal working hours

The Contractor is permitted to work outside of normal working hours only upon obtaining written permission from the Engineer. It is anticipated that all switch-over work (tying new infrastructure into existing) will be completed during hours that will not affect the supply of water to affected communities.

PS 6.4 Sanitary facilities

The Contractor shall provide, maintain, move to positions required and finally remove, proper latrines in compliance with the relevant Municipal Sanitation General By-laws. Latrines must be properly screened and secluded from public view and their use shall be strictly enforced.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

The Contractor shall provide chemical toilets (or other approved toilets). Soak-a ways and septic tanks will not be allowed on the site. Temporary latrines must be sited so that they are within reasonable distance of the working place.

Sufficient latrines must be provided having regard to the number of persons employed on the Works. All latrines shall be adequately ventilated, properly disinfected and kept in a clean condition.

PS 6.5 Community liaison and community relations

For the purpose of this project a community liaison officer will be required; who shall be required to inform the community with regards to Contractor's activities in particular where such activities may affect the service provision to the affected community (See PS6.6).

In all dealings with the community and workers employed from within the community, the Contractor shall take due cognisance of the character, culture and circumstances of the community involved and shall at all times use his best endeavours to avoid the development of disputes and to foster a spirit of co-operation and harmony towards the project.

The Contractor shall at all times, keep the Engineer fully informed on all matters affecting the community. The Contractor shall keep the community fully informed of progress and planned interruptions.

PS 6.5.1 Community Liaison Officer

The contractor shall make use of the Community Liaison Officer (CLO), where scheduled, which is to be appointed on behalf of The Client and who shall be responsible for liaison between the Contractor/Engineer and the local community.

The Community Liaison Officer will be responsible for keeping the community informed on the progress of the project and conversely keeping the Contractor and Engineer informed on relevant community affairs and grievances.

A Project Committee shall be established and shall meet on a regular basis to consider, discuss and resolve progress, relevant community matter, welfare of workers, expenditure, requirements of the Contractor and other matters that relate to the project.

The committee, which may be chaired by a representative of The Client shall consist of representatives of:

- The Client
- The Contractor
- The Community Liaison Officers (representing the labour employed)

PS 6.5.1.1 Duties of the Community Liaison Officer

- He will be available on site daily between the hours of 07h00 and 17h00 and at times as the need arises.
- He will consult with the contractor and the Engineer, daily to determine the labour requirements regarding amount and skills, to identify possible labour disputes, and to inform local labourers timeously when they will be relieved.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

- He is responsible to screen candidates, inform them of their conditions of temporary employment and to ensure their timeous availability.
- He will ensure that all workers who are involved in the activities where productivity rates have been agreed are fully informed regarding the expected level of productivity for the given task to be assigned as part this Contract.
- He will attend disciplinary proceedings to ascertain that the hearings are fair and reasonable.
- He will keep a daily written record of his interviews and community liaison.
- He will attend the monthly contractual site meetings to report about the local community labour involvement as well as any other relevant problem that needs attention
- The tendered sum shall include for full compensation for the provisions of the CLO including transport costs, cellular phone costs, the cost of typing, printing and distributing notices, and for all other obligations.

PS 6.6 Notices and warning to consumers

The Contractor shall ensure he maintains service (water and/or sanitation) provision at all times whilst executing the works where:

- a) The maximum amount of time of no service shall be 8 hours for any property. Any service disruption longer than 8 hours shall be temporary bypassed by methodologies approved by the Engineer or his duly authorized representative.
- b) A Public Notification Program shall be implemented, requiring at minimum that the Contractor shall deliver written notices to each domestic and non-domestic customer affected by the works, 48 hours before commencement of the works, including providing:
 - i) a summary of work to be completed;
 - ii) the time and duration of service interruption; and
 - iii) a local telephone number and mobile number to contact the Contractor for inquiries or complaints. All complaints received shall be addressed and resolved within the standard Employer response times and a summary of such complaints and associated actions shall be presented to the Engineer or his duly authorized representatives on a monthly basis.

PS 6.7 Continuity of service supply to customers

The activities of the Contractor shall not unreasonably interfere with the service supply to customer and be executed outside the agreed and notice time frames.

Where the Contractor cannot reasonably re-establish services within times agreed and notice time frames, he shall proceed to contact the affected customer and make alternative arrangements that shall be acceptable to the customer and the Engineer.

The associated costs of any customer claim arising from a lack of service provision due to the Contractor's negligence or his disregard for the Employer's SOP or his disregard for the conditions of this Contract, whilst executing activities as per this Contract, shall be solely for his account. The Employer shall have the right to make equivalent monetary deductions from

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
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monies owed to the Contractor or from his Guarantee under this Contract and any other active contract(s) with the Employer.

PS6.8 Conditions and procedures for service agencies

The Contractor shall comply with the conditions and procedures of the various affected service agencies, as mandated in their associated wayleaves.

PS 6.9 Generic labour intensive specifications

EPWP (Expanded Public Works Programme) guidelines **will be applicable to this Contract**, and it is expected that the Contractor, execute the majority portion of the works by utilising local labour. The Contractor will also be required to submit monthly reports on the EPWP and monthly labour returns, as per the requirements of the Department of Public Works.

PS 6.10 Causes for rejection

Causes for rejection shall include, but not be limited to, not complying to the Employer's requirements and/or specifications and the intended purpose for this Contract, thus:

- a) poor data (including photographs, recording, prints and reports) and data management;
- b) inaccurate surveys, with regard to linear meterage of manhole length;
- c) poor quality of survey information;
- d) silt, grease, and debris remaining in conduits after cleaning; and
- e) poor quality construction and remedial works:
 - i) Cracks in any concrete works or pre-cast units shall be cause for rejection.
 - ii) honeycombed or patched areas in any concrete works or pre-cast units in excess of 0.02m² shall be cause for rejection.

PS 6.11 Protection against water and storms

The Contractor shall be responsible for the full adequate protection of the works against damage due to storms, rain, floods, storm water, subsoil water and seepage from whatever source. The Contractor shall take over the site where the works has to be executed at the beginning of the Contract Period and the full risk and cost of dealing with all water shall be borne by the Contractor.

The Contractor shall also provide all necessary pipe work, pumps and other appliances necessary for adequate dewatering of all excavations and shall maintain these in good condition and provide adequate standby equipment to ensure that no disruption of work will ensue as a result of possible breakdown of equipment.

PS 6.12 Information supplied by the Engineer

Certain information included in this document or supplied separately is presented in good faith and no guarantees can be given regarding the accuracy or representativeness thereof. This pertains more specifically to all services information, soil tests, material results and similar information that are necessarily subject to limitations in the test methods and sampling.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
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Natural variations in materials and formations also influence the applicability of certain conclusions.

The Employer can therefore not accept any responsibility for the accuracy of any information or for any damage resulting from the fact that the information later proved wrong or not representative. If the Contractor chooses to rely on the information, he does so at his own risk.

PS 6.13 Indemnity Certificate

The Contractor must, on completion of the Works, obtain certificates from all authorities concerned stating that they are satisfied with the condition of all borrow pits, detours, access roads and spoil material on their properties. The certificates must be handed over to the Engineer before the maintenance period starts. The certificates will not exempt the Contractor from any obligations concerning the backfill of trenches, finishing off of borrow pits, access roads, detours etc. This work must still be carried out to the satisfaction of both the Employer and the Engineer.

PS 6.14 Return of materials

All old valves, valve covers, meter boxes and all pipework that can be reused shall be returned by the Contractor to relevant Depot or as directed by the Engineer. The Contractor shall obtain the signature of the Superintendent acknowledging receipt of materials returned. The Contractor shall determine the condition of the materials.

PS 6.15 Political and Community unrest

The Contractor shall notify the Client or it's duly Authorized Representative/s of any unrest situation and shall indicate all active Contract sites affected.

PS 7 HEALTH AND SAFETY SPECIFICATION FOR CONSTRUCTION WORK

The Occupational Health and Safety Specification of the Employer's is bound in Volume 3 of these contract documents. Volume 3 forms an integral part of the Contract Specification and, in particular, shall be a part of the HEALTH AND SAFETY SPECIFICATION FOR CONSTRUCTION WORK.

In terms of Construction Regulations 4 (1) (a) of the Occupational Health and Safety Act, Act No 85 of 1993, the Client is required to compile an occupational health and safety specification for any intended project and to provide the specification to prospective tenderers.

The objective of this specification is to ensure that the principal Contractor entering into a contract with the Client achieves and maintains an acceptable level of occupational health and safety performance.

The specification provides the requirements that the principal Contractor and other Contractors shall comply with in order to reduce the risks associated with the contract work, and that may lead to incidents causing injury and/or ill health, to a level as low as reasonably practicable and possible.

The Contractor, appointed by the Employer in terms of Regulation 4 (1) (c), is required to prepare an occupational health and safety plan.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

This plan has to be prepared in terms of Regulation 5 (1) as well as the Client's occupational health and safety specification. In terms of Regulation 4 (2), the Client and the principle Contractor are required to agree on the occupational health and safety plan before any work may commence.

The principal Contractor's health and safety plan has to follow the framework in Volume 3, as a minimum.

PS 7.1 Site Specific Health and Safety Issues

The following site-specific assessment of health and safety issues includes a list of risk assessment headings that have been identified by the client as possibly applicable to the contract work for this project.

- Aggregate/Sand Delivery
- Arc welding
- Bench grinder
- Construction of manholes
- Compressed gas cylinders-handling
- Compressors – Air
- Cutting of pipes
- Distribution boards – Electrical
- Drivers – of vehicles
- Electrical installation – Maintenance of
- Excavator
- Gas explosions
- Fire prevention and protection
- Form and support work
- Front end loader
- Fuel supply
- Gas welding-cutting operations
- Hand and spray painting
- Hand tools
- Landscaping
- Laying of pipes
- Levelling – of materials
- Loading supervisor
- Loading/unloading - of trucks
- Machine operator
- Making of steel items
- Material delivery
- Material handling
- Mixer operator
- Pedestal drill
- Pedestal grinder
- Placing concrete

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

- Portable ladders
- Refuelling vehicles/plant
- Scaffolding
- Site establishment
- Trenches – Digging of
- Trees – Bracing/removing if roots are
- Damaged during excavations
- Use of angle grinder
- Use of portable electrical tools
- Work in confined spaces
- Work in elevated positions
- Working close to existing services i.e. electrical, wastewater etc
- Working close to water
- Workshops

PS 7.2 Barricading of Trenches

The Contractor shall ascertain himself of the nature, volume, stability, depth and possible safety risks of the excavations, before any decision with regards to the method of excavation is made.

Allowance for hand excavation has been made for the location of services. Extreme caution shall be taken when excavating along the route of the new pipe for existing services. Any damages and or repairs to the existing services will be for the Contractor's account.

The length of open excavation must at all times not exceed 100m

Adequately protected by a barrier or fence comprising fluorescent orange plastic netting of height at least 1 000mm and as close to the excavation as practicable; and

- Provided with notice boards marked "CLOSED" at each end of closed or partially closed roads,
- The barrier or fence (at least 1m high) shall be suitably wrapped with reflective red and white danger tape or provided with flashing orange lights, placed at 15m intervals along the barricading at night.
- Where the depth of an excavation or the nature of the material excavated renders the sides of the excavation liable to movement that might endanger the works or the workers engaged on the excavation,
- the sides of the excavation shall be supported by suitable timber or other sheeting adequately strutted and braced, all properly assembled and of sufficient strength and stiffness to prevent movement in the materials supported, or, alternatively,
- the slope of the excavated face or faces shall be reduced so that any danger to the works or workers is removed.

Any cavities formed by the fall of rock or earth due to rain, flooding, insufficient timbering or other causes, shall be adequately filled.

The Contractor shall so maintain borrow pits that they do not become a danger to persons or livestock.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

NOTA BENE: Trenches may not be left open during the builder's holidays or for any shutdown period exceeding 5 calendar days. Should the Contractor not comply with this requirement without the written approval of the Engineer; the Engineer shall have the open trenches closed by others at the expense of the Contractor. Furthermore, all further opening-up of the backfilled excavation and dealing with the excavated material and subsequent making good will all be to the Contractor's cost.

PS 7.3 Precaution against Pollution and Contamination

The Contractor shall take all necessary steps and precautions to prevent pollution of the surrounding area by his employees in any way. Any debris falling from construction vehicles and plant shall be removed immediately.

Every care is to be taken to avoid possible contamination of the mains during construction. Pipes are not to be stacked in the streets or gutters. On completion of a section, all loose material and foreign bodies are to be removed. The open ends of the new pipeline are to be protected by watertight caps, to the satisfaction of the Engineer, to prevent the entrance of groundwater and foreign bodies until such time as these sections are connected to the live mains.

Sterilising chemicals shall be supplied by the Contractor for sterilizing all new water mains. All new lines are to be thoroughly flushed. All sterilization shall be done at 10mg/l free chlorine for 12 hours. The Contractor shall give due notice to The Employer of his intention.

PS 7.4 Operations under Live Conditions

Prior to the execution of any operation under live conditions, the Contractor shall liaise with the Volksrust Depot Operations Manager, at least four (4) working days in advance, in this regard. At least one representative of the Depot shall be present during the execution of such operation. These operations will include disconnection and reconnection to the existing sewer/ water main and water storage tank at the works.

PS 8 ENVIRONMENTAL MANAGEMENT

Tendering Contractors are to adhere to the mitigation measures listed in the EMP (refer to Volume 3: Occupational Health and Safety Specification and Environmental Management Plan for Capital Investment Projects). Environmental mitigation measures are actions needed to align a project implementation phase with environmental control principles, where potential impacts to the natural and social environment are prevented, minimised or remediated. Environmental safeguarding is governed by various sets of legislation, with the most noteworthy for this project constituting the National Environmental Management Act (No. 107 of 1998) and the National Water Act (No. 36 of 1998).

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PORTION B: VARIATIONS AND ADDITIONS TO THE STANDARDISED SPECIFICATIONS

PSA 8 MEASUREMENT AND PAYMENT

PSA 8.1 MEASUREMENT

PSA 8.1.2 PRELIMINARY AND GENERAL ITEM OR SECTION

PSA 8.1.2.1 CONTENTS

REPLACE THE LAST SENTENCE OF SUBCLAUSE 8.1.2.1(b) WITH THE FOLLOWING:

“Separate items will be scheduled to cover the fixed, value-related and time-related components of the Tenderer ’s preliminary and general costs.”

PSA 8.2 PAYMENT

PSA 8.2.1 FIXED-CHARGE AND VALUE-RELATED ITEMS

REPLACE THE CONTENTS OF SUBCLAUSE 8.2.1 WITH THE FOLLOWING:

PSA 8.2.1.1 FIXED-CHARGE ITEMS

Payment of fixed charges in respect of item 8.3.1 will be made as follows:

- (a) **EIGHTY PER CENT (80%)** of the sum tendered will be paid when the facilities have been provided and approved;
- (b) The remaining **TWENTY PER CENT (20%)** will be paid when the works have been completed, the facilities have been removed and the site of the Tenderer’s establishment has been cleared and cleaned to the satisfaction of the Employer.

No adjustment will be made to the sum tendered in respect of item 8.3.1 should the value of the works finally executed or the time for completion vary in any way from that specified in the tender.”

PSA 8.3 SCHEDULED FIXED-CHARGE AND VALUE-RELATED CHARGE

ADD THE FOLLOWING NEW SUBCLAUSES TO CLAUSE 8.3

PSA 8.3.5 ADDITIONAL CONTRACTUAL OBLIGATIONS

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PSA 8.3.5.1 Notice and warning to consumersUnit: Sum

The sum shall cover the full compensation and cost of supply and delivery of the notices and warnings to customers at least 3 days before a shutdown is to take place in each section of work.

PSA 8.3.5.2 OHS Act ObligationsUnit: Sum

The sum shall cover the full compensation and fixed costs for the compliance with the Occupational Health and Safety Act, Construction Regulations 2003 and all the requirements stipulated in the Employer’s Health and Safety Specifications.”

PSA 8.3.5.3 EMP ObligationsUnit: Sum

The sum shall cover the full compensation and all fixed costs for compliance with the requirements of The Employer’s Environmental Management Plan.

PSA 8.4 SCHEDULED TIME-RELATED ITEMS

ADD THE FOLLOWING NEW SUBCLAUSES TO CLAUSE 8.4.

PSA 8.4.6 Additional Obligations

PSA 8.4.6.1 OHS Act Obligation.....Unit: Month

The sum shall cover the full compensation and all-time related costs for the duration of the contract, for the compliance with the Occupational Health and Safety Act, Construction Regulations 2003 and all the requirements stipulated in the Employer’s Health and Safety Specifications. The cost shall include the salary for a full time OHS Officer for the project.

PSA 8.4.6.2 Security services costs.....Unit: Month

The sum shall cover the full compensation and all costs for a sufficient 24 hour guarded services for the duration of the contract.

PSA 8.4.6.3 Community Liaison OfficerUnit: Stated Sum

The stated sum shall cover full compensation and all costs payable monthly, to provide a full time qualified and suitable experienced Community Liaison Office for the duration of the contract. The stated sum shall also cover for the CLO cellphone airtime.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PSA 8.5 SUMS STATED PROVISIONALLY BY EMPLOYER

AMEND SUBCLAUSE 8.5.b)1 AND ADD THE FOLLOWING ITEMS:

- i) Alteration to existing services by authorities.....Unit: Stated Sum
- ii) Control tests by independent laboratory Unit: Stated Sum
- iii) Provision of photographic recordsUnit: Stated Sum
- iv) CLO and CSO..... Unit: Stated Sum
- v) Temporary protection of services..... Unit: Stated Sum
- vi) Pipeline Cathodic Protection.....Unit: Stated Sum
- vii) Reinstatement of asphalt by JRA..... Unit: Stated Sum

The Tenderer is responsible for both the cost of normal testing as described in the Project Specifications and for the cost of any additional test that indicates that the Specifications have not been complied with.”

These sums will be paid to The Tenderer in equal monthly amounts.”

PSA 8.7 DAYWORKS

ADD THE FOLLOWING NEW CLAUSES:

PSA 8.7.1 SCOPE

This section covers the method of measurement and payment for work carried out on a day work basis.

PSA 8.7.1.1 GENERAL REQUIREMENTS

Work will be classified as day work only if the Employer considers no other rate in the Bill of Quantities appropriate for payment purposes.

An instruction regarding all work to be carried out under day work in terms of Clause 6.5 of the General Conditions of Contract 2010 will be issued at the discretion of the Employer. Some or all the items priced under day work in the Bill of Quantities may possibly not be required for this Contract.

Before ordering any material, The Tenderer shall submit quotations to the Employer for his approval and shall submit such receipts or vouchers to the Employer as may be necessary for proving the amount claimed.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PSA 8.7.1.2 MEASUREMENT AND PAYMENT - DAY WORKS

The day work rates submitted for vehicles and construction equipment, in the Bill of Quantities shall be a hire charge for the use of the vehicle and driver or constructional plant/equipment and operator (excluding VAT) and shall apply only to vehicles and construction equipment approved in writing by the Employer. The rate shall include for maintenance, fuels and oils and other operating costs, establishment, insurance and other contingency costs relating to the running of the vehicle, plant or equipment.

Where there is ambiguity between the power developed at the flywheel and mass of a machine, the power shall govern the measurement category.

The Tenderer and the Employer will agree on the method of recording the working hours prior to the commencement of the work. Any extended period of idling at any one time which in the opinion of the Employer or his representative is beyond that required for normal operating conditions will not be paid for as working time. Non-working hours for any reason shall not be measured for payment.

The ten percent allowed for overheads etc. as per Clause 6.5.1.2.3 of the General Conditions of Contract 2010 shall include full compensation for all administrative costs, supervision, overheads, liabilities and obligations related to the running of the vehicles, constructional plant and equipment. The tendered percentage shall also include for profit and shall be subject to the Contract Price Adjustment factor laid down in the Contract Data.

PSA 8.8 TEMPORARY WORKS

PSA 8.8.4 EXISTING SERVICES

AMEND THE SUB CLAUSE AS FOLLOWS:

PSA8.8.4 a) Supply or hire of specialist equipment Unit: Sum

The sum shall cover the cost for the supply, operation and/or hire of specialist equipment for detection of underground services as ordered by the Employer.

PSA 8.8.4 b) Excavate by hand in soft material to expose existing services.....Unit: m³

The rate shall cover the cost for removal of premix or other surfacing where necessary, excavating in all materials, shoring, backfilling, compaction and reinstatement of surfaces except for asphalt.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PSA 8.9 STANDING TIME.....Unit: hour

Rate to include all costs The Tenderer incurs on an hourly basis (labour, plants, equipment, security, offices, supervisory staff and other time related costs). Standing time will be paid to The Tenderer in a case where there are delays from the Employer in providing information or instruction and where The Tenderer have no work to be undertaken during that period. The standing time rate for equipment will be taken as the dayworks rates less 10% for fuel.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PSAB EMPLOYER’S OFFICE

PSAB 3 MATERIALS

PSAB 3.1 NAMEBOARDS

DELETE THE ENTIRE CLAUSE AND REPLACE WITH:

“The name board shall be of either tempered hardboard at least 12mm thick or steel sheeting so braced on the reverse side as to prevent warping or buckling and shall be mounted on two or more firmly planted poles as necessary. The quality of the paint shall conform to SANS Standard Specification CKS 193. The colour of the paint shall conform to SANS 1091-1975 colour F11, strong blue. The Employer’s SOC Ltd logo shall be in colour. The height of the larger name board shall be 2400mm and the width 4800mm, whilst the height of the smaller name board shall be 800mm and the width 1600mm”.

PSAB 3.2 OFFICE BUILDING(S)

Delete this sub-clause entirely and re-title the sub-clause “FACILITIES FOR THE EMPLOYER”

Add the following sub-clause.

PSAB 3.2.1 OFFICE BUILDING(S)

The Tenderer shall provide, furnish and equip one or more offices (as scheduled) for the use of the Employer.

The Tenderer shall provide, furnish and equip one or more offices (as scheduled) for the use of the Employer.

The Tenderer shall provide and furnish one office for the use of the Employer. Each office shall consist of one room with a floor area of at least 12 m² and a ceiling height of at least 2.5 m.

Each office shall be weatherproof, shall have a wooden boarded floor that is at least 150 mm above the ground, and shall be provided with a ceiling and a lining to the walls, or equivalent insulation, with an acceptable type of door with a secure lock, and two opening windows of glazed area at least 3 m². Each office shall be well ventilated and shall be so insulated as to provide comfortable working conditions.

Office building shall be painted with an approved paint after erection and the paintwork shall be maintained during the contract period.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

Each door shall be provided with a lock and two keys.

The sitting of all offices shall be to the Employer's satisfaction and shall be decided upon in consultation with him/her and confirmed in writing before erection.

All accommodation shall include the provision of access roads where required, fresh clean portable water and sewerage, which will be considered as part and parcel of the accommodation provided and will not be paid for separately.

All accommodation shall meet with the approval of the Employer.

The offices shall comply with the following requirements.

<u>Dimensions</u>	<u>Type 1 Office</u>	<u>Type 2 Office</u>
Minimum floor area	20 m ²	12 m ²
Minimum window area	4.0 m ²	3.0 m ²
Minimum window area opening	2.4 m ²	1.5 m ²
Minimum clear height	2.5 m	2.5 m
Shaded parking for vehicles	2	2

Furniture and Equipment

Each office shall be equipped with the following:

- i. Office desk with a surface area of at least 1.5m² with at least 3 drawers one of which can be locked.
- ii. Two office chairs.
- iii. a lockable upright steel cabinet with three shelves or a steel filing cabinet with four drawers
- iv. Refrigerator
- v. Printer
- vi. Enough racks and hangers for hanging contract drawings. The hangers shall be of the "Bar hold" type, with one hanger to five drawings.
- vii. Double 80-watt fluorescent light fittings complete with ballast and tubes (2 per Type 1 office, 1 per Type 2 office).

In addition to the above the Type 1 office shall be equipped with the following:

- i. Conference table large enough to accommodate twelve people and have an area of at least 15m².
- Fifteen office chairs

The Tenderer shall also supply a toilet for the exclusive use of the Employer.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

The Tenderer must provide basic survey instruments: dumpy level, tripod stand and staff.
On completion of the Works, ownership of the buildings, furnishings and equipment shall revert to The Tenderer who shall remove them from the Site.

PSAB 3.3 CARPORT

ADD THE FOLLOWING NEW CLAUSE:

The Tenderer shall construct the number of carports specified in Portion A of the Project Specifications, for the sole use of the Employer and his staff. Each carport shall be constructed so that the vehicle parked under it is always protected against the direct rays of the sun. The carport area shall be at least 20 m² and the floor shall be covered with a layer of crushed stone to alleviate dusty and muddy conditions. The carport(s) shall be positioned to provide easy and convenient access to the Employer’s office.”

PSAB 4 PLANT

PSAB 4.1 TELEPHONE

REPLACE SUBCLAUSE 4.1 OF SANS 1200 AB WITH THE FOLLOWING:

“The Tenderer shall arrange for the provision of an approved cellular phone and airtime and data bundles per month for the Employer’s representative. The Tenderer at the tendered rates under the relevant scheduled item shall recover the associated charges and telephone calls and data bundles associates with the contract.

PSAB 4.2 SURVEY EQUIPMENT

ADD THE FOLLOWING NEW CLAUSE:

The Tenderer shall provide on-site and make available for the exclusive use of the Employer and his staff, the survey equipment listed in Portion A of the Project Specifications.

All survey equipment provided by The Tenderer shall be in good condition, properly calibrated and fit for the purpose.

In addition to survey equipment provided by The Tenderer for the exclusive use of the Employer and his staff, The Tenderer shall make available for use by the Employer, the further survey equipment listed in Portion 1 of the Project Specifications, at all times when such is reasonably required by the Employer and his staff for the purposes of the Contract.”

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PSAB 4.3 COMPUTER FACILITIES

ADD THE FOLLOWING NEW CLAUSE:

The Tenderer shall, for the duration of the Contract, provide the computer equipment complete with printer, modem and telephone connection including 3G connection together with the software specified hereunder, for the exclusive use of the Employer and his staff:

- a) 1 laptop
- b) 1 printer

The laptop shall comply with the following minimum specifications:

AutoCAD 2023 system requirements -

- Operating System: Microsoft Windows 10 (64-bit only), 8.1 (64-bit only), or 7 SP1 (64-bit only)
- Processor: 2.5 GHz (3+ GHz recommended) (type – I7 chipset)
- Memory: 8 GB (16GB recommended)
- Disk space: SSD 500GB
- Screen Size: 15" minimum
- Display: 1920 x 1080 resolution with True Colour
- Mouse: Separate USB compatible mouse
- Warranty: 3 Year on-site Warranty upgrade

Printers shall, unless otherwise approved by the Employer, be Samsung SCX-4600 Colour Laser Printer Series or equivalent compatible.

All computer hardware shall be provided complete with the requisite connecting cables and all interfacing devices and software necessary for its efficient operation as an integral system.

The following software shall be professionally installed on the computer, and the original license agreements and disks shall be provided to the Employer for safekeeping:

- Microsoft Windows 11
- MS-Office 365 (Word, Excel, PowerPoint, etc.)
- MS Projects 2016 (or higher version)

All computer equipment provided shall always be kept fully serviceable by the Tenderer. The Tenderer shall have any defective equipment repaired or replaced at his own cost within 12 hours after notification by the Employer’s staff.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

The Tenderer shall further provide at his own cost, all paper and black ink cartridges and other consumables reasonably required by the Employer.”

PSAB 5 CONSTRUCTION

ADD THE FOLLOWING NEW SUBCLAUSES TO CLAUSE 5 OF SANS 1200 AB:

PSAB 5.6 SURVEY EQUIPMENT

All survey equipment provided by The Tenderer shall always be kept fully serviceable by the Tenderer. The Tenderer shall have any defective equipment repaired or replaced at his own cost within 12 hours after notification by the Employer’s staff.

Where required by the Employer, The Tenderer shall, at his own cost, promptly arrange for the recalibration of survey equipment provided.”

PSC – SITE CLEARANCE

PSC 1 CONSTRUCTION (Clause 5)

PSC 1.1 Areas to be Cleared and Grubbed (Subclause 5.1)

A strip of up to 1.0m on either side of the centerline of the pipeline route.
No tree shall be removed without a written instruction from the Engineer.

PSC 1.2 Cutting of Trees (Subclause 5.2)

A tree is defined as having a girth of 1000 mm or greater, measured at the narrowest point of the tree or stump in the first metre of its height above ground level.

PSC 2 MEASUREMENT AND PAYMENT (Clause 8)

PSC 2.1 Clearing and Grubbing (Subclause 8.2.1)

Clearing and grubbing shall be measured per hectare in large areas and per metre in trenching, and includes all trees and stumps with a girth less than 1000 mm.

PSC 2.2 Removing and Grubbing Trees (Subclause 8.2.2)

The removal and grubbing of trees shall be paid per No, and in the following incremental steps:

Over	and up to
1000 mm	2 000 mm

PSD – EARTHWORKS

PSD 1 CONSTRUCTION (Clause 5)

PSD 1.1 Disposal of Surplus or Unsuitable Material (Subclause 5.2.2.3)

Only material complying with Clause 3.2.1 shall be used for fill in the embankment and other areas. Surplus or unsuitable material shall be disposed of at a site located by the Contractor and approved by the Engineer

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PSD 1.2 Freehaul (Subclause 5.2.5.1)

The freehaul area shall be deemed to be the area bounded by the township boundary plus 1 km beyond the township. Unless otherwise indicated in the detailed bill of quantities.

PSD 1.3 Delay due to Supply of Material

The Contractor shall bear the responsibility for all delays caused by himself, his sub – contractors and / or his suppliers, and the provisions of the penalty clause will be applied in the event of late completion even if these are caused by delays in the delivery of materials unless the Contractor can prove that his order for materials was placed timeously.

PSDA – EARTHWORKS (SMALL WORKS)

PSDA 1 MATERIALS (Subclause 3)

PSDA 1.1 Embankments and Backfill (Subclause 3.2.1)

Add to this subclause :

Compaction and backfill shall be executed as specified in the relevant standardized specification.

PSDA 2 CONSTRUCTION (Clause 5)

PSDA 2.1 Precautions (Clause 5.1)

PSDA 2.1.1 Excavated Material not to Endanger or Interfere (Subclause 5.1.6)

Delete the last paragraph and replace with the following:

All unsuitable and unused excavated materials shall be removed to the designated spoil site.

PSDA 2.2 Methods and Procedures (Clause 5.2)

PSDA 2.2.1 Excavation (Subclause 5.2.2)

Add to this subclause:

The width of the excavation for the manholes, valve boxes, foundation structures, channels, etc., shall be 600 mm wider than the outside dimensions of the structure. Excavation width and depth for the structure's foundation shall be to dimensions as per drawings and concrete shall be cast against the founding material.

Should it be found during the course of excavation that the material at the indicated founding depth does not possess the required bearing strength, the excavation shall be extended at the discretion of the Engineer until satisfactory founding material is encountered. The contractor shall not be entitled to any payment for additional excavation over and above that which is allowed for in clause 8.3.2. The Engineer reserves the right to order the Contractor to make up the difference in levels with foundation fill.

Foundation fill, consisting of granular material, shall be constructed in layers not exceeding 150 mm in thickness after compaction. Each layer shall be moistened or dried to optimum moisture content for the material and compacted to a density of not less than 95 % of Modified AASHTO density.

Mass concrete fill to be used shall be of Class 15/20 or as may be prescribed by the Engineer.

The Contractor shall be responsible for procuring approved imported material which complies with the requirements of the relevant specifications.

PSDA 2.2.2 Freehaul (Subclause 5.2.6.1)

The freehaul area shall be deemed to be the area bounded by the township boundary plus 3 km beyond the township. Unless otherwise indicated in the detailed bill of quantities.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PSDB – EARTHWORKS (PIPE TRENCHES)

PSDB 1 CONSTRUCTION (Clause 5)

PSDB 1.1 Precautions (Subclause 5.1)

PSDB 1.1.1 Underground Water

Attention is drawn to the fact that the invert of pipe trenches might be below the water table in certain areas. No provision has been made for separate payment for dealing with this underground water.

The unit rate for excavation shall cover the cost of dealing with water in the trench. (Refer to the trial hole profiles included in these documents).

PSDB 1.1.2 Programming of Pipe Trenches

The Contractor shall programme his work to finish all excavations and backfilling of the pipe trenches before the subbase of any street is built.

PSDB 1.2 Excavation (Subclause 5.4)

Trenches shall be excavated to the lengths and widths approved by the Engineer, and to a depth to the underside of the bedding layer. The invert levels shown on the plans are the levels of the inside of the pipe, or culvert and the Contractor must make allowance for the bedding layer and pipe thickness.

PSDB 1.3 Trenches for Electrical Cables

The Contractor shall be responsible for importing and placing approved bedding material below and above the cables.

The following procedure shall be adopted in co-ordinating trenching and backfilling in combined trenches. The Civil Contractor shall excavate the trench to the specified width and depth, prepare the bedding for the civil engineering service, haunch and backfill to 200mm above the service as specified leaving the backfill surface lightly compacted.

The Electrical Contractor shall accept the trench from the Civil Contractor, level the surface and prepare the cable bedding, haunch and backfill to 100mm above the cable leaving it protected as specified and to the satisfaction of the Electrical Engineer. Where danger tape is required, the Electrical Contractor shall backfill up to 100mm above the tape. Thereafter the Civil contractor, having received adequate notice from the Electrical Contractor, shall complete the backfill as specified. It is a requirement that no electrical trench shall be left open during the night, weekends and on public holidays. The Electrical Contractor shall not lay more cable per day than can be backfilled by the end of the working hours of that same day.

PSDB 1.4 Disposal of Material (Clause 5.6.3 and 5.6.4)

Surplus and unsuitable material shall not be disposed of along the trench servitude but shall be disposed of on a site located by the Contractor and approved by the Engineer.

PSDB 1.5 Freehaul (Subclause 5.6.8)

The freehaul area shall be deemed to be the area bounded by the township boundary plus 1 km beyond the township. Unless otherwise indicated in the detailed bill of quantities.

PSDB 2 MEASUREMENT AND PAYMENT (Clause 8)

PSDB 2.1 Excavation (Subclause 8.3.2)

Pipe and cable trenches where applicable shall be measured and paid per m. The trench depth shall be measured from the underside of the bedding layer up to the surface of the

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

ground. The ground surface will be that existing after any bulk earthworks have been carried out, i.e. the excavated surface.

Measurement shall be made to the nett outside dimensions as detailed on the drawings and no additional payment will be allowed for over-excavation and the remedial reinstatement required.

The Contractor shall be entitled to extra payment for all intermediate and hard material excavated within the nett outside dimensions specified, which shall be measured and paid for per cubic metre extra over the excavation in normal material.

The cost of filling in natural hollows and depressions or the cost of replacing intermediate and hard with selected fill or concrete shall be included in the rates for extra over items of intermediate and hard.

PSDB 2.3 Soilcrete

The unit of measurement is a cubic meter soilcrete as constructed, computed according to prescribed dimensions of the excavation and the depth of the soilcrete. The volume of any pipes and structures in or crossing the soilcrete must be subtracted from the computed quantity.

The tendered rate shall include payment for the construction of the soilcrete complete and according to specifications, including Portland cement used at a rate of 7% of the dry density of the soil used and the placing of rocks to support the soilcrete and the end of the trenches.

PSDM – EARTHWORKS (ROADS, SUBGRADE)

PSDM 1 MATERIALS (Subclause 3)

PSDM 1.1 Classification for placing purposes

PSDM 1.1.1 Subgrade / Fill (Subclause 3.2.2)

The subgrade shall be constructed of suitable in-situ material that complies with the specification in clause PSDM 1.1.2

Materials of different properties shall not be placed at random in the same layer but shall be properly mixed. Materials of incompatible properties shall not be mixed.

The Engineer shall approve all materials used in the subgrade and shall have the right to instruct where materials of different qualities are to be used in the subgrade.

PSDM 1.1.2 Selected (Subclause 3.2.3)

Materials shall conform to the following requirements and be approved by the Engineer:

Natural Gravel or Gravel-soil	G10
Minimum CBR at 93% Mod AASHTO density	15%
Maximum CBR swell at 100% Mod AASHTO density	
and optimum moisture content	1,5%
Maximum Plasticity Index	3 x GM + 10
Maximum size of aggregate after compaction	100 mm
Grading Modulus - not less than	0,5

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PSDM 2 PLANT (Clause 4)

Add the following to this clause.

The following plant is necessary for roadbed preparation:

- a) Vibrator roller

The vibrator roller must be able to apply a combined static and dynamic load of not less than 120 kN/m at a working frequency of 1500 r.p.m. maximum.

- b) Impact roller

The impact roller shall be a single multi surface roller with a maximum of five flat or nearly flat surfaces and a roller mass of 8 to 10 tons. The roller and tow mechanism, which shall be of the free fall type, shall be designed to make all the energy necessary to take the roller onto the ridge between two flat surfaces available for distribution at impact when the roller falls. The roller shall be towed at a speed of between 8 and 10 kilometers per hour.

PSDM 3 CONSTRUCTION (Clause 5)

PSDM 3.1 Methods and Procedures (Subclause 5.2)

PSDM 3.1.1 Stripping of Topsoil (Subclause 5.2.1)

Add the following to this subclause.

Before the Contractor does any roadbed preparation, he shall get instructions from the Engineer on any stripping of topsoil or clearing and grubbing that may be required. This work shall be carried out according to SABS 1200 C "Site Clearance".

PSDM 3.1.2 Cut and Borrow (Subclause 5.2.2)

PSDM 3.1.2.1 Use of Material (Subclause 5.2.2.3)

Cut to spoil

The material obtained from cutting the road prisms to the top of the formation level, except for the selected material required for pipe bedding and backfilling, for fill in the sidewalks or the selected subgrade, shall be spoiled at a site located by the Contractor and approved by the Engineer.

Cut to fill

The material required for fill in the sidewalks and the selected subgrade shall be selected material cut from the road prisms and stockpiled by the Contractor.

PSDM 3.1.3 Treatment of the road-bed (Subclause 5.2.3)

Add the following as subclause 5.2.3.3.

PSDM 3.1.3.1 Preparation and compaction of the road-bed (Subclause 5.2.3.3)

During the compaction of the roadbed with an impact roller if required by the Engineer the roadbed shall be graded before each pass if, according to the Engineer, the surface is uneven and prevents the flat surface of the impact roller to fall uneven.

Add the following as subclause 5.2.3.4.

PSDM 3.1.3.2 Removal of unsuitable material (Subclause 5.2.3.4)

Any roadbed material that will, according to the judgement of the Engineer, have a detrimental effect on the quality of the finished street, shall be removed to the depth and width as

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

instructed by the Engineer, and will be disposed of according to specification. It shall then be backfilled with approved imported material and compacted to the specified compaction.

The Engineer may instruct the Contractor to remove over wet material which cannot form a solid layer or platform, and replace it with approved dry material. The Contractor will be paid for this operation if the Engineer is convinced that the material will not dry out in a reasonable time in spite of adequate temporary drainage and that the condition may not have been prevented by reasonable preplanning to built the work during the dry season.

PSDB 3.1.4 Freehaul (Subclause 5.2.8.1)

The freehaul area shall be deemed to be the area bounded by the township boundary plus 1 km beyond the township.

PSDM 3.1.5 Sidewalks (Balance of Road Reserve)

The sidewalk area, being the area remaining in the road reserve after the road has been constructed, shall be graded from the erf boundary to the top of the kerbs as detailed on the roads cross-sections. Sidewalks shall be watered and compacted to form a firm and even surface, and shall be left in a clean and tidy condition. Surplus material shall be spoiled at a site located by the Contractor and approved by the Engineer. Fill where required shall be selected material compacted to 90% Mod AASHTO density.

PSDM 4 MEASUREMENT AND PAYMENT (Clause 8)

PSDM 4.1 Roadbed Preparation

Roadbed preparation shall be measured and paid per cubic metre, and includes all work necessary to rip, shape and compact to a minimum of 93% Mod AASHTO density in the subgrade layer, or as specified in the Schedule of Quantities.

PSDM 4.2 Blade to Windrow

Blade to windrow shall be measured and paid per cubic metre, and includes all work necessary to blade the subbase layer to one side, after the road prism excavation has been completed.

PSDM 4.3 Cut to Spoil

Cut to spoil and cut to fill from road prism shall be measured and paid per cubic metre, and includes all work necessary to remove the road prisms to top of formation level, load, transport, tip at the spoil site, spread, level and compact to 90% Mod AASHTO density.

PSDM 4.4 Width of Excavation for Roads

The width of excavation for surfaced roads for measurement purposes is fixed as the width of the wearing course of the road, plus 1 m.

PSDM 4.5 Import to Fill in Subgrade

Import to fill in subgrade shall be measured per cubic metre, and includes all work necessary to obtain, rip, load, haul, tip and spread the imported material.

PSDM 4.6 Drying out of Borrow or In-situ Material

Where the natural moisture content of the borrow or in-situ material exceeds the optimum moisture content, the material shall be dried out by suitable means, and payment shall be per cubic metre for the following excessive moisture content ranges:

From	To
0%	1%
1%	2%
2%	3%
3%	4%

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PSDM 4.7 SHAPING OF GRAVEL ROADS

The construction of the gravel roads will consist of the shaping of the roads as detailed on the typical cross section by means of a motor grader. Payment will be per km of road shaped .per road width .The rate will include for the shaping of the side drain to ensure that no low spots are formed where ponding can occur.

PSDM 4.8 COMPACTION OF THE WEARING SURFACE OF GRAVEL ROADS

(a) Flat wheeled rollerssquare metre (m2)

The unit of measure shall be the square metre of road surface compacted by 8 passes. The rate shall include allowance for the application of water as required.

The tendered amount shall include full compensation for supplying the roller ,applying 8 roller passes and removing the roller after completing the compaction process. The engineer may increase or decrease the number of roller passes, in which case payment will be adjusted in accordance with item PSDM 4.10

PSDM 4.9 VARIATION IN THE NUMBER OF ROLLER PASSES

(a) Flat wheeled rollerssquare metre pass (m2)

The unit of measurement shall be the square metre coverage ,and shall be computed by multiplying the number of square metres to which the changed pass efforts apply by the increased or decreased number of roller passes per layer of the works .

Where a change in the compaction effort is requested ,the contractor will be compensated at the tendered rates for the above items in respect of the increased number of square metre roller passes of each type of roller required over and above that specified in the relevant standard effort. His compensation will be decreased simultaneously, at the applicable rate, by the number of square metre roller passes of each type of roller which is either decreased or completely left out.

The tendered rate for each additional square metre pass ordered by the engineer over and above the specified number of passes shall include full compensation for all supervision ,labour plant, equipment ,fuel, materials ,works and incidentals necessary for completing the works .The same rate shall be accepted by the contractor during computation of a decrease in his compensation where the number of rollers passes for each specific type of roller is decreased.

PSDM 4.10 Sidewalks

Finishing the road reserves or sidewalks shall include the total plan area of the road reserves less the plan area of the surfacing and kerbs and shall be measured and paid per square metre.

The rate shall include all plant and labour required to load, transport to dump, offload and spread waste material, stones and vegetation, trim and compact sidewalks to the lines, levels and density specified, form drainage ditches and berms and shape the remainder of the reserves to the lines shown on the cross-section including watering and hand raking.

PSDM 4.11 Selected Subgrade Layer

The selected subgrade layer shall be measured and paid per cubic metre of nett volume or layer constructed as specified. The rate shall include for plant, labour and material required to construct the selected sub-grade including supplying, loading, transporting for the freehaul distance, offloading, spreading, watering, processing, compacting, finishing and testing.

Payment for the construction of selected subgrade shall only be made when the Engineer has ordered such a layer to replace unsuitable in-place subgrade material in cuts or as a controlled layer over trimmed, finished and compacted fill material which does not conform to the specification for selected subgrade material.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PSG – CONCRETE (STRUCTURAL)

PSG 1 MATERIALS

PSG 1.1 Types of Materials (Subclause 3.4.2)

Concrete may be made with either Ordinary Portland Cement or a 1.1 mixture of Ordinary Portland Cement and Milled Granulated Blast Furnace Slag.

PSG1.2 Plums (Subclause) 3.4.2)

Plums may not be used

PSG 1.3 Admixtures (Subclause 3.5.1 and 3.5.2.)

Admixtures and Air Entraining Agents may be used with the written consent of the Engineer provided that the strength and other characteristics of the concrete are not adversely affected. A maximum of 4% entrained air will be permitted. Approved admixtures shall be used in preference to increasing the water/cement ratio to improve the workability.

PSG 1.4 Pipes and Conduits Embedded in Concrete

Except with the written approval of the Engineer, no pipes other than those shown on the drawings shall be embedded in concrete, and the approval of the Engineer for the position of all services to be embedded shall obtained before concreting commences. The clear space between pipes of any kind embedded in reinforced concrete and the clear space between such pipes and reinforcement shall not at any point be less than: 40mm or, 5 mm plus the maximum size of coarse aggregate, whichever is the greater.

PSG 1.5 Aggregate (Subclause 3.4)

Where dolomitic aggregate is specified both coarse and fine aggregate shall be crushed dolomite from an approved commercial source, complying with the relevant specifications.

PSG 1.6 Samples and Mix Design

Not less than 5 weeks before the start of any concrete work on site, the Contractor shall supply to the Engineer for his information and subject to his approval, samples of the constituent materials of the concrete and items ancillary thereto, together with the necessary evidence, including copies of laboratory test results, supporting compliance with this specification. Samples of aggregate shall be supported by a grading analysis.

In addition, not less than 5 weeks before the start of any concrete work on the site, the Contractor shall submit to the Engineer, for his information and subject to his approval, a statement of mix proportions. This statement shall provide the following information:

For each class of concrete:

- Mix proportions and types
- Type and amount of additives
- Slump
- Target strength
- On-site batching procedures
- On-site quality control procedures

The statement shall be accompanied by evidence in the form of either a statement from an approved laboratory of the results of tests, or an authoritative report of previous use and experience, establishing that concrete made with the materials in the proportions proposed will have the properties specified.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PSG 2 CONSTRUCTION

PSG 2.1 Cover to Reinforcement (Subclause 5.1.3)

Concrete cover to reinforcement to be 40 mm ,except where otherwise shown on the drawings.

PSG 2.2 Concrete Strength (Subclause 5.5.1.7)

Concrete Strengths shall comply with those given on the drawings. The concrete grade will be given in the form of A/B where “A” is the specified strength and “B” is the maximum coarse aggregate size.

PSG 2.3 Ready Mix (Subclause 5.5.3.2)

Ready Mixed Concrete from an approved supplier may be used but test certificates from the supplier will not be acceptable.

PSG 2.4 Compaction (Subclause 4.4 and 5.5.6.3.)

All concrete shall be vibrated unless otherwise specified.

PSG 2.5 Consistency (Subclause 5.5.1.2)

Slump limits shall comply with Table 3, columns 4 and 5, for vibrated concrete.

PSG 2.6 Durability (Subclause 5.5.1.5)

Maximum water/cement ratios shall comply with Table 5 column 4, for severe exposure conditions.

PSG 2.7 Strength Concrete (Subclause 5.5.1.7)

All concrete shall be “Strength Concrete” to the grades specified and of 25mm maximum coarse aggregate size, unless otherwise specified.

PSG 2.8 Batching (Subclause 5.5.5)

All concrete shall be batched by mass.

PSG 2.9 Placing (Subclause 5.5.5)

Pumped concrete will be permitted provided that the design mixes have been evaluated by an approved laboratory and accepted by the Engineer. Concrete to walls and columns shall be tremmied into position through trunking and not dropped or shovelled in, except over heights of less than 1m.

PSG 2.10 Concrete Surfaces (Subclause 5.5.10.1)

PSG 2.10.1 Wood Floated Finish

Where wood floating is indicated the concrete surface shall first be finished as specified in Subclause 5.5.10.1 and, after the concrete has hardened sufficiently, it shall be floated to a uniform surface. The screeded surface shall be wood floated, either by hand or machine only sufficiently to produce a uniform surface free of screed marks.

PSG 2.10.2 Steel Floated Finish

Where steel floating is indicated the surface shall be treated as specified in PSG 2.10.1 except that, when the moisture film has hardened sufficiently to prevent laitance from being worked to the surface, the screeded surface shall be steel-trowelled under firm pressure to produce a dense smooth uniform surface free of trowel marks.

PSG 2.10.3 Power Floated Finish

Where power floating is indicated the concrete surface shall be treated as specified in PSG 2.10.2 except that the screeded surface shall be power floated to produce a high quality dense, smooth, uniform surface free of trowel marks.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PSG 2.10.4 Unformed Surfaces

The top unformed surfaces of all members shall be specified on the drawings.

PSG 2.11 Formwork (Subclause 5.2)

Where possible concrete shall be cast directly against the in-situ material, which shall be accurately trimmed to the concrete dimensions shown in the drawings. Payment for rough formwork will only be made if concrete dimensions preclude this or if in the opinion of the Engineer the in-situ material is unsuitable. Unless otherwise specified, formwork finishes are to be "smooth".

PSG 2.12 Grouting of Pipes/Specials Through Walls

Where Entry holes for pipes/specials have been provided in the walls, the Contractor shall be responsible for the grouting-in of such pipes/specials, regardless of whether or not these have been supplied by himself.

Before commencing the positioning in holes of any pipes/specials the Contractor shall:

- a) remove all shuttering and boxing remaining in the holes
- b) make any alterations required to the position and shape of the holes
- c) thoroughly clean the sides of the holes so as to obtain a satisfactory bond surface for the new concrete and,
- d) free all surfaces of the pipes/specials of all coatings, and thoroughly scrape and clean the pipes/specials.

After accurately positioning the pipes/specials in their respective holes, the contractor shall fix the pipes/specials in the holes.

Immediately before grouting is carried out by the placing of mortar and concrete around the pipes, the surface of the existing concrete shall be removed, and the surface covered with a layer, approximately 12mm thick, of mortar consisting of 3 parts of concrete sand and 1 part of cement.

The concrete ingredients shall be mixed and placed as dry as possible to obtain a dense, waterproof concrete. Where a watertight seal is required, the concrete shall be carefully worked around the puddle flange, if any, and the pipe barrel or body of the special, and shall be vibrated in layers so as to obviate any falling away from pipe/special surfaces of the concrete already placed. The whole shall when set, form a dense, homogenous and waterproof mass. A spare vibrator with an independent power source shall be kept in readiness to ensure continuity of placing in the event of the breakdown of the duty vibrator.

Smooth formwork that has been suitably strengthened for use with a vibrator shall be

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

provided for facing the concrete around each pipe/special.

PSG 2.13 Spacers and Lifting Blocks (Subclause 5.1.2)

Spacers and lifting blocks required for providing cover shall be formed of sand/cement mortar or shall be patent units manufactured from plastic or other materials, which will not corrode. The units shall be sufficiently strong for the purpose required and shall be provided with fixing devices suitable for maintaining the units in the required positions.

The units shall be compatible with the type of finish specified.

PSG 2.14 Expansion Joint formers, Fillers and Sealers

Materials used to form expansion joints shall be rigidly held in position during concreting, shall not deteriorate or distort when wet, and shall be easily removed from the formed joint without damaging the finished concrete.

PSG 2.15 Curing and Protection (Subclause 5.5.8)

The method of curing and protection shall be to the Engineer's approval.

Freshly placed concrete shall be protected against heavy rainfall, flowing water and water pressure for at least 48 hours after placing.

PSG 2.16 Concrete on Wet Ground (Subclause 5.5.12)

The Contractor shall be responsible for keeping all excavations free from water.

PSG 3 TESTING

PSG 3.1 Test Cubes (Subclause 7.1.1)

The Contractor shall be responsible for the making and storage of concrete test cubes in accordance with SABS Method 863 and to the approval of the Engineer.

PSG 3.2 Frequency of Sampling (Subclause 7.1.2)

At least one set of 6 test cubes shall be taken from the concrete mixed on any one day. If the volume of concrete poured on any day exceeds 10m³ one set of cubes shall be taken for every 10 m³ or part thereof.

PSG 3.3 Requirements and Tests for Watertightness of Sump

The completed structure shall be watertight, and the quality and finish of the work shall be such that no after-treatment of the work such as plastering or cement wash is necessary to ensure compliance with this requirement.

The Works will not be certified until the sump has been proved by testing to be watertight.

Upon completion of construction and when so agreed by the engineer, the structure shall be filled by the gradual admission of water until the water level reaches the designed maximum level. The water level shall then be carefully noted and recorded by the Engineer in relation to a fixed benchmark, and the structure shall be allowed to remain filled for a period of 2 weeks or such longer time as may be required to permit complete saturation of the concrete. During this period, readings will be taken by the Engineer and the results so obtained will be available for the information of the Contractor.

At the end of this period more water shall be added, if necessary, to bring the water level back to the designed maximum level and the water shall be left undisturbed for a period of at least 4 days, during which time the level shall again be recorded by the Engineer at regular intervals. The structure shall be considered to be watertight if the drop in the water level does not exceed 6 mm in 96 hours in the case of a roofed structure and if no leakage is apparent.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

If appreciable leakage is evident at any stage of the filling or testing or, in the opinion of the Engineer, the degree of watertightness is unsatisfactory, the Contractor shall, when so ordered by the Engineer, discontinue the test immediately and, at his own expense, take approved steps to rectify the work.

The work of rectification shall be continued assiduously until, on repetition of the test procedure, a satisfactory test result is obtained and the degree of watertightness is acceptable.

Watertightness of the sump roof shall be tested by the continuous sprinkling of water over the roof with approved sprinklers so that a film of water is maintained on the surface of the slab. The roof shall be considered watertight if no damp patches are visible on the underside after 48 hours of sprinkling.

The Engineer shall have the right to retest the structure before the expiry of the defects liability period, the results of these tests will be made available to the Contractor. If these tests indicate to the engineer that the degree of watertightness is unsatisfactory, the engineer (before issuing the final certificate) will be entitled to order the Contractor to rectify the work at his own expense in such a manner as will cause least interruption of the supply to consumers and will ensure that the degree of watertightness of the structure is satisfactory.

PSG 4 MEASUREMENT AND PAYMENT

PSG 4.1 Excavation

Excavation for concrete structures shall be measured and paid as per Clauses 5.1.2.1(b) and 8.2.1 of SABS 1200 D with no allowance for working space, batters etc.

PSG 4.2 Formwork (Subclause 8.1.1)

Formwork shall be measured by type per square metre or linear metre where the width is specified including supply, erection, stripping, cleaning, release agents etc and any other operation necessary, including 30 mm x 30 mm chamfers to all exposed concrete edges.

PSGA – CONCRETE (SMALL WORKS)

PSGA 1 MATERIALS

PSGA 1.1 Cement (Subclause 3.2.1)

Concrete shall be made with Ordinary Portland Cement complying with SABS 471

PSGA 1.2 Water (Subclause 3.2.1)

The water from shall not be used in the manufacture of concrete or cement mortar.

PSGA 1.3 Aggregate (Subclause 3.4)

All concrete shall be manufactured with dolomitic aggregate.

PSGA 2 CONSTRUCTION

PSGA 2.1 Cover to Reinforcement (Subclause 5.1.3)

Concrete cover to reinforcement shall be 40 mm for 30 MPa concrete, or 50 mm for 25MPa concrete.

PSGA 2.2 Concrete (Subclause 5.4)

Concrete shall be made with a minimum cement content of 420kg/m³ and a minimum cement water ratio of 2,2.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PSL – PIPELINES (MEDIUM PRESSURE PIPELINES)

PSL 1 MATERIALS

PSL 1.1 Valves (Subclause 3.10)

Valves shall comply with SABS 664, be the Waterworks pattern, resilient seal, class 12, non-rising spindle, anti clockwise closing, fitted with a cap and a means of repacking the gland under pressure.

PSL 1.2 Fire Hydrants

Fire hydrant valves must be tamper proof with a 65 mm double aluminium alloy, quick coupling which complies with the applicable requirements of SABS 1128, Parts 1 and 2, and must be equipped with a square spindle on which the keys of the local fire brigade fit. They must further comply with NBR 85, Section T, No 9613, dated 1 March 1985. Flanges of the fire hydrant T-pieces must be drilled in accordance with SABS 1123, Table 1600.

Fire hydrants must be positioned 450 mm from the erf boundary directly opposite the corner peg of the erf. After installation, fire hydrants must be painted with a zinc chromate or a similar product, which complies with the applicable requirements of SABS 679. Following that, two coats of medium yellow high-gloss enamel paint must be applied such as Plascon Code G6 or an approved similar product, which complies with the requirements of SABS 630.

PSL 1.3 Piping

All water mains shall be uPVC Class 9 pipes in accordance with SABS 966 Part 1, 1998 unless otherwise stated. All house connection pipes shall be HDPE Class12. All pipes shall carry the SABS approved marking.

PSL 1.4 Anchor / Thrust Blocks

The volume of each block shall be in accordance with the payment quantity shown on the typical Dwg and the constructed dimensions of each block shall be at least those shown. The rate shall include for any extra excavation required, trimming, formwork, reinforcement (if any) and the placing of 10 Mpa concrete.

PSL 2 CONSTRUCTION

PSL 2.1 Depth and Covering (Subclause 5.1.4)

Except where permitted, water pipes shall be positioned in such a way as to maintain a minimum cover of 1 000mm from the finished surface to the top of the pipe at roads and 600mm from the finished surface to the top of the pipe to all other cases.

Where stormwater pipes and/or sewer pipes cross the water pipe, the minimum free distance between the outside of any of the pipes and the outside of the coupling of the water pipe shall be 300mm. Should, at the specified minimum cover, the free distance be less than 300mm, the water pipe will be lowered to the required level ensuring the free distance for a minimum distance of 1,0m, either side of the centre line of the stormwater- or sewer pipe, beyond which the pipe will be sloped back to the required level as detailed in subclause 5.1.4.2 of SABS 1200 L.

PSL 2.2 Connection to Existing Pipes

Add the following to this clause as subclause 5.11:

All the consumers concerned as well as the Engineer and the Statutory Authority shall be notified in writing at least one (1) week before the existing water supply is interrupted. Arrangements for the interruption of the water supply shall be made in advance with the Statutory Authority and the Contractor shall not be entitled to lodge any claims as a result of

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

problems caused by non-compliance. Under no circumstances shall employees of the Contractor be allowed to interrupt the water supply at any time.

All activities during the interruption of the water supply shall be planned and coordinated beforehand and all the preparations possible shall be completed before the interruption to minimize the inconvenience to the consumers. The Engineer has the authority to stop or to postpone the interruption and the Contractor will not be entitled to any claims in this regard, should the Engineer be of the opinion that the interruption was prolonged more than necessary as a result of bad planning by the Contractor.

PSLB – BEDDING (PIPES)

PSLB 1 MATERIALS (Clause 3)

PSLB 1.1 Bedding Material (Subclause 3)

Selected fill material (as per subclause 3.2) shall be used for the bedding cradle and fill blanket up to the underside of the main fill.

Suitable selected fill material for the fill blanket and for the bedding cradle will generally be available from trench excavations, within a distance not exceeding 500 m.

PSLB 2 MEASUREMENT AND PAYMENT

PSLB 2.1 Principles (Subclause 8.1.1)

Bedding material shall be obtained from suitable material from trench excavations. Where material alongside the trench is unsuitable, bedding material shall be provided from alternate locations on instruction from the Engineer. Payment shall only be made for provision of this material when the distance over which it has been transported exceeds 1 km. In all other cases, the rate for excavation and backfill shall cover the cost of handling, providing, placing and compacting the bedding.

PSLB 3 INSPECTION OF THE WORKS BY THE LOCAL AUTHORITY

Where the Works are inspected by the Engineer, the following inspections shall be carried out in the presence of the Engineer, the Contractor and the authorised representative of the Local Authority (Water and Sewerage):

First Inspection

When pipes and fittings have been installed, backfilled and compacted up to 50% of the diameter of the pipe with excavation for concrete thrust blocks complete and left open for inspection. (See Clause PSL 1.4).

Second Inspection

When the compacted backfilling is complete to approximately 300 mm above the top of the pipes.

Third Inspection

During pressure tests.

Fourth Inspection

A final takeover inspection.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PSLD – SEWERS

PSLD 1 MATERIALS

PSLD 1.1 Pipes, Fittings and Pipe Joints (Subclause 3.1)

Sewer pipes used in this contract shall be uPVC class 34 (Heavy Duty) to SABS 791 as amended with a minimum wall stiffness of 300 kPa

PSLD 1.2 Manholes, Chambers etc. (Subclause 3.5)

Manholes shall be pre-cast concrete rings with pre-cast concrete lid and frame, Heavy Duty, SABS 566 approved, as in typical details drawing, 12177-C-S-STD-508.

Sewer manholes that consist of precast concrete sections shall comply with SABS 1294 (1993) with step irons located on the downstream side, and are to be of dolomitic concrete.

For all manholes channeling shall be clay channels. Alternative offers can be done separately by the contractor for plain concrete finish steel trowelled smooth, but no PVC channels will be allowed

PSLD 1.3 Concrete (Subclause 3.5.4)

Concrete shall be made with ordinary Portland cement complying with SABS 471. The minimum cement content shall be 420 kg/m³ and a minimum cement: water ratio of 2,2. Only dolomitic aggregates shall be used.

PSLD 1.4 Mortar (Subclause 3.5.6)

Mortar shall be composed of one part of ordinary Port-land cement to 3 parts of sand by volume.

PSLD 1.5 Manhole Covers and Frames (Subclause 3.5.8)

All manhole covers and frames shall comply with SABS 558 and shall be dolomitic concrete with a steel rim to the cover. Covers shall be either heavy duty or medium duty capable of test loading of 135 kN and 40 kN respectively.

PSLD 2 CONSTRUCTION

PSLD 2.1 House Connections

Where sewer house connections are installed in hard rock material the Contractor shall over excavate by 1 m measured horizontally.

House connection markers shall consist of a nominal 2 mm dia galvanised iron wire tied to a brick left at the pipe connection. The other end of the wire shall be cast into Class 20/19 rectangular concrete block of dimensions at least 200 mm x 200 mm x 200 mm deep.

The marker shall be installed vertically above the connection and the concrete block shall protrude 50 mm above ground level. The rate for the marker will be included in the erf connections type 1-3.

PSLD 2.2 Water Tightness of Manholes (Subclause 7.2.6)

Amend Subclause 7.2.6 to read:

Where ordered by the Engineer the Contractor shall arrange for the manholes to be tested in the following manner in the presence of the Engineer:

All sewer inlets and outlets to and from the manhole shall be closed with expanding plugs or other apparatus. Water shall then be introduced into the manhole up to a level approximately 50mm below the underside of the roof slab and left standing for a minimum of 2 hours.

The water level shall then be accurately measured at the end of each of four, 15 minute intervals and the rate of leakage computed. In the event of the rate of leakage, if any, exceeding 5,0 l/hr/metre depth of manhole, or in the event of any weakness, defect or fracture

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

or visible signs of leakage occurring in the manhole under test, the test shall be discontinued and the Contractor shall search for and rectify any weakness or defect in the manhole under test, such work or rectification to consist of repair or replacement or both. The manhole shall thereafter be retested in the manner specified. This process shall be repeated until satisfactory results are obtained. The Contractor will be paid for the testing of the water tightness of manholes at the rate per manhole quoted by him in the Schedule of Quantities. The rate for the testing of manholes shall cover the cost of all plant, labour and material required for compliance with the above. The cost of rectification work and retesting of manholes that have failed the test shall be to the Contractor's account.

PSLD 3 MEASUREMENT AND PAYMENT

PSLD 3.1 House Connections

House connections shall be measured and paid per No and shall include all piping, couplings, concrete and formwork used to construct the connection in accordance with the drawings, the markers including painting ,excavations ,backfill and spoil of surplus material as well for any bedding materials .

PSLE – STORMWATER DRAINAGE

PSLE 1 MATERIALS

PSLE 1.1 Concrete

Concrete shall be made with ordinary Portland Cement complying with SABS 471. The minimum cement content shall be 420 kg/m³ with a minimum cement : water ratio of 2,2. Only dolomitic aggregates shall be used.

PSLE 1.2 Mortar

Mortar shall be composed of one part of ordinary Portland Cement to 3 parts of sand by volume.

PSLE 2 CONSTRUCTION

PSLE 2.1 General

Pipes, precast culverts and channels shall be laid true to line and level, and each unit shall mate uniformly with the next to preserve a true grade and alignment. Pipes shall be laid in accordance with the SABS Code of Practice No 058.

In every case the unit shall be laid in such a manner that the bearing surface lies firmly and evenly upon its bed. All units shall be laid from the lowest point and proceed upgrade.

PSLE 2.2 Concrete Pipes

PSLE 2.2.1 Ogee Joints

Ogee pipes shall be laid with the socket facing upgrade. The pipes shall be butted hard together and any gaps between the pipes exceeding 3 mm (both on the inside and outside of the pipe) shall be completely filled with cement mortar and trimmed off. The joints shall then be wrapped externally with one layer of approved self adhesive polythene tape having a width of 200 mm and overlapping at least 50 mm on either side.

PSLE 2.2.2 Spigot and Socket Joints

The pipes shall be laid with the socket end facing upgrade. The ends of each pipe and the rubber ring shall be clean and dry before jointing. Each rubber ring shall be placed on the spigot end of the pipe square with the axis and not twisted and the spigot shall be pushed into the socket of the pipe previously laid, ensuring that both pipes are in a straight line.

Pipes shall be closely butted together after jointing and care shall be exercised to ensure that

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

the joints remain tight as the work proceeds. If a pipe is observed to creep out of the joint (due to twisting of the rubber ring), it shall be pulled out and the joint re-made.

Where manufacturer's instructions conflict with these specifications, they shall be submitted to the Engineer for approval.

PSLE 3 MEASUREMENT AND PAYMENT

PSLE 3.1 Pipes, Precast Culverts And Channels

Pipes, precast culverts and channels shall be measured and paid for per linear metre of conduit laid. Measurement shall be from the inside face of manholes or catchpits, the face of headwalls or the end of open pipes, culverts or channels. Payment for cutting the pipes, etc shall be included in the rate for the structures.

Payment for sections of pipeline shall only be made after the entire section between manholes is completed and built into the manhole as required.

Payment for pipes, precast culverts and channels shall include for supplying, delivering, handling, laying, bedding, jointing, plugging the lifting holes with concrete and testing of the units including the necessary material, plant and labour required for the successful completion of the work.

PSLE 3.2 Excavation For Open Channels And Culverts

Excavation shall be measured and paid for per linear metre or cubic metre, whichever is detailed in the Schedule of Quantities. Measurement shall be made to the net outside dimensions as detailed on the drawings and no additional payment shall be allowed for over-excavation and the remedial reinstatement required.

The Contractor shall be entitled to extra payment for all intermediate and hard material excavated within the net outside dimensions specified, which shall be measured and paid for per cubic metre extra over the excavation in normal material.

The cost of filling in natural hollows and depressions or the cost of replacing intermediate and hard with selected fill or concrete, shall be included in the rates for intermediate and hard.

PSLE 3.3 In-situ Lined Channels And Culverts

Cast in-situ channels and culverts shall be measured and paid for as specified for concrete structures.

PSLE 3.4 Inlets, Catchpits, Headwalls And Manholes

All inlets, catchpits, headwalls, manholes etc shall be measured and paid for by units as classified in the Schedule of Quantities. The Contractor's price shall include for all excavation, backfill, material, plant and labour required with the exception of excavation in Intermediate and Hard material, which shall be measured and paid per cubic metre extra over. The rates quoted shall include for all benching necessary in the structures and for any cutting of pipes, culverts, etc to enable the structure to be constructed at the specified position.

PSLF – ERF CONNECTIONS (WATER)

PSLF 1 MATERIALS (Clause 3)

PSLF 1.1 Pipes (Subclause 3.1.3)

Water house connections shall consist of HDPE, Class 9 piping with polypropylene compression fittings as shown on the drawings.

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PSLF 2 CONSTRUCTION (Clause 5)

PSLF 2.1 General (Subclause 5.2.3.1)

Erf connections shall be constructed as far as the temporary plug, as indicated on the drawings.

PSLF 2.2 Recording of Locations (Subclause 5.4.2)

No recording is required for erf connections placed strictly in accordance with the drawings. Where erf connections are placed in non-standard positions on the Engineer's instructions the details listed shall be recorded by the Contractor.

PSLF 3 TESTING

The erf connections shall be tested by the Contractor as an integral part of the reticulation system.

PSLF 4 MEASUREMENT AND PAYMENT (Clause 8)

PSLF 4.1 Supply and Install Erf Connections

Erf connections shall be measured and paid for by number of each type.

The rates shall cover the cost of supplying all materials from the saddle on the watermain up to and including the stop cock and temporary plug and for the handling, transporting, installing, jointing and commissioning the piping. Excavations will be measured separately.

PSME – SUBBASE

PSME 1 MATERIALS

PSME 1.1 Selection of Material (Subclause 3.5.1 SABS 1 200 ME Series)

Provision has been made for the supply of subbase quality material from excavations on site as well as 25% to be supplied from a commercial source. It is a condition of this contract that such material shall conform to the following requirements (G7 material):

Minimum CBR at 93% Mod AASHTO density	15%
Maximum Plasticity Index	11 (8-20)
Swell at 100% Mod AASHTO density not to exceed	1.5 %
Grading Modulus (GM)	2.7 > GM > 0,75

PSME 1.2 Material Characteristics

Material selected for use shall conform to the following requirements and shall be approved by the Engineer:

	Subbase	Base
Minimum CBR Mod AASHTO density	91-93%	93%
Maximum Plasticity Index:	11	11 (8-20)
Maximum aggregate size	50 mm	50 mm
Prefered aggregate size	37.5 mm	37.5 mm

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

PSME 2 CONSTRUCTION

PSME 2.1 Thickness of Subbase Layer (Subclause 5.4.1 SABS 1 200 ME Series)

The thickness of the subbase layer shall be as shown on the drawings or specified by the Engineer.

PSME 3 MEASUREMENT AND PAYMENT

PSME 3.1 Imported Selected Material

Imported selected material shall be measured and paid for per cubic metre, and shall cover all work necessary to obtain, load, haul, tip and spread the selected material.

PSMFL – BASE (LIGHT PAVEMENT STRUCTURES)

Gravel Road Wearing Course (No asphalt surfacing required)

PSMFL 1 MATERIALS

PSMFL 1.1 Selection of Material (Subclause 3.5.1 SABS 1 200 ME Series)

Provision has been made for the supply of subbase quality material from excavations on site as well as 25% to be supplied from a commercial source. It is a condition of this contract that such material shall conform to the following requirements (G7 material):

Minimum CBR at 93% Mod AASHTO density	15%
Maximum Plasticity Index	11 (8-20)
Swell at 100% Mod AASHTO density not to exceed	1.5 %
Grading Modulus (GM)	2.7 > GM > 0,75

PSME – SUBBASE

PSME 1 MATERIALS

PSME 1.1 Selection of Material (Subclause 3.5.1 SABS 1 200 ME Series)

Provision has been made for the supply of subbase quality material from excavations on site as well as 25% to be supplied from a commercial source. It is a condition of this contract that such material shall conform to the following requirements (G7 material):

Minimum CBR at 93% Mod AASHTO density	15%
Maximum Plasticity Index	11 (8-20)
Swell at 100% Mod AASHTO density not to exceed	1.5 %
Grading Modulus (GM)	2.7 > GM > 0,75

PSME 1.2 Material Characteristics

Material selected for use shall conform to the following requirements and shall be approved by the Engineer:

	Subbase	Base
Minimum CBR Mod AASHTO density	91-93%	93%
Maximum Plasticity Index:	11	11 (8-20)

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

Maximum aggregate size	50 mm	50 mm
Preferred aggregate size	37.5 mm	37.5 mm

PSME 2 CONSTRUCTION

PSME 2.1 Thickness of Subbase Layer (Subclause 5.4.1 SABS 1 200 ME Series)

The thickness of the subbase layer shall be as shown on the drawings or specified by the Engineer.

PSME 3 MEASUREMENT AND PAYMENT

PSME 3.1 Imported Selected Material

Imported selected material shall be measured and paid for per cubic metre, and shall cover all work necessary to obtain, load, haul, tip and spread the selected material.

Employer:		Contractor	
Witness:		Witness:	

Volume	1	2	3			
Part	T1	T2	C1	C2	C3	C4

Department of Human Settlements



Govan Mbeki Local Municipality



VOLUME 1

KINROSS EXT.33 & EXT 34- BULK ENGINEERING SERVICES IN GOVAN MBEKI LOCAL MUNICIPALITY

PART C4: SITE INFORMATION

Prepared by:
FT Consultant Civil & Structural Engineers
 7 Ehmke Street
 Mbombela, 1201
 Telephone: +27 83 626 6334
 Email: stanelymasher@gmail.com



Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

C4 SITE INFORMATION

GENERAL

This section describes the site at the time of tender to enable the tenderer to price his tender and to decide upon his method of working and programming and risks.

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Clause	Description	Page no.
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SI 3	ACCESS TO SITE AND RESTRICTIONS	(2)
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SI 5	SECURITY	(3)
SI 6	ENVIRONMENTAL IMPACT ASESSMENT	(3)
SI 7	GEOTECHNICAL REPORT	(3)
SI 8	TRAFFIC IMPACT ACCESSMENT	(3)

Employer:		Contractor	
Witness:		Witness:	

Volume	I	2	3			
Part	T1	T2	C1	C2	C3	C4

SI 1 SITE LOCATION

The site is located in the vicinity of Lothair.

The following site conditions shall be taken into consideration in the design and selection of equipment:

- Altitude (average over the site)..... 1 715 m
- Average maximum temperature 23.2°C
- Minimum temperature 1°C

SI 2 SITE INFORMATION

The location of the proposed development is indicated on Figure1: Locality Plan. The land to be developed is located on portion 7 of the Farm Zondagskraal 125 IS, Kinross Extension 33 and Ext 34, Mpumalanga Province. Zondagskraal is approximately 1636 m above sea level.

SI 3 ACCESS TO SITE AND RESTRICTIONS

The access to portion 7 of the Farm Zondagskraal 125 IS will be through R29 Provincial Road. Zondagskraal is located approximately 15.3 km South East of Leandra town in the Gert Sibande District Municipality, Mpumalanga Province. The site is accessible by travelling on Regional Road R29 approximately 2.91 km from Kinross town. The site is also bound by R547 to the east direction and R29 to the southern side

No restriction on access to the Site of Works will be placed on persons or vehicles involved with the execution of the Works. All traffic must be restricted to the maximum speed of 30 km/h and vehicles must be driven with extreme caution.

No additional access will be allowed, and the contractor must establish his site camp close to the development along the route mentioned above.

The Contractor’s staff shall be identified by either clothing bearing the contracting companies name or an identification tag, which shall be displayed when entering the Site of Works.

SI 4 EXISTING SERVICES, SERVITUDES AND WAYLEAVES

The known existing services are shown on the drawings. The exact positions of the services cannot be guaranteed. On establishing on Site, the Contractor must determine the positions of all pipelines and cable routes on Site with the assistance of the Engineer’s and the Employer’s staff on Site. The Contractor must take

Employer:		Contractor	
Witness:		Witness:	

Volume	1	2	3			
Part	T1	T2	C1	C2	C3	C4

precautions to prevent any damage to existing services. Damages which might occur will be repaired at the cost of the Contractor.

Wayleaves will have to be sourced from the municipality. If the Municipality does not have details of the exiting services, care must be taken when excavating on site, and hand excavated test pits must be dug where it is deemed necessary.

SI 5 SECURITY

The Contractor shall remain responsible for the security of his on-site establishment and plant.

SI 6 ENVIRONMENTAL IMPACT ASESSMENT

An Environmental Assessment was conducted and is available on request.

SI 6 HYDROLOGICAL INVESTIGATIONS

Catchment and hydrology calculations have been done by FT Consultants Civil & Structural Engineers and flood line information is available.

SI 7 GEOTECHNICAL REPORT

Geotechnical information is available.

SI 8 TRAFFIC IMPACT ACCESSMENT

Traffic Impact Assessment is available.

Employer:		Contractor	
Witness:		Witness:	



provincial treasury
MPUMALANGA PROVINCE
REPUBLIC OF SOUTH AFRICA

BID BULLETIN

Publication of the Mpumalanga Provincial Supply Chain Management

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NOTICE TO ALL CONTRACTORS/SUPPLIERS

1. All bids requested for in this bulletin are for the Mpumalanga Provincial Government, unless otherwise stated.
2. Adjudication of all bids will be in accordance with the PPPFA
3. PERFORMANCE GUARANTEE REQUIREMENT

The Mpumalanga Provincial Government has resolved to waive the requirement for a Performance Guarantee for all Projects/ Contracts for monetary values ranging from R0.1 up to R5.0 million.

4. The requirement for an up-front payment of a Performance Guarantee shall remain applicable for Projects Construction Contracts whose monetary values exceed R5.0 million

The following illustrates the above:

Contract Value	% of Guarantee Value required
Over R5.0 million up to R6.0 million	6%
Over R6.0 million up to R7.0 million	7%
Over R 7.0 million up to R8.0 million	8%
Over R8.0 million up to R9.0 million	9%
From R9.01 million and above	10%

5. RETENTION

The Mpumalanga Provincial Government has further resolved that the deduction of retention monies from progress payments should remain in place as a security against any defaulters or in lieu of poor workmanship:

5.1 BUILDING CONTRACTS IN GENERAL

10% retention shall be deducted on any progress payment certificate, until the total deducted retention value equal 5% of total contract/ project value. The money shall be released at the expiry date of the retention period, which is normally a three-month period.

5.2 ENGINEERING CONTRACTS

10 % retention shall be deducted on any progress payment certificate, until the total retention value equals 10% of the total contract/ project value. 5% of the retention money shall be released immediately after practical completion of the project, with the remaining 5% being released as soon as practically possible, depending on the nature of the project e.g. the construction of a bridge.

6. All provincial departments shall henceforth apply the above provisions.

7. Submission of tenders:

- a) Bids must be on the official bid forms, which must be filled in and completed in all respects.
- b) Bids must be submitted in sealed envelopes.
- c) Separate envelopes must be used for each bid invitation.
- d) The bid number and closing date must appear on the front of the envelope.
- e) The name and address of the bidder must, however, appear on the back of the envelope only.
- f) Bid documents can also be obtained from the Satellite offices
- g) Unless otherwise stated, all bids close at 12h00.

8. APPLICATION FOR TAX CLEARANCE CERTIFICATE (IN RESPECT OF BIDS)

IT IS A CONDITION OF BID THAT-

The taxes of the successful bidder **MUST** be in order, or that suitable arrangement has been made with the South African Receiver of Revenue to satisfy them.

The SBD.2 form, Application for Tax Clearance Certificate (in respect of bids), must be completed by the bidder in all aspects and submitted to the Receiver of Revenue where the bidder is registered for income tax purposes. That the Receiver of Revenue will then furnish the bidder with a Tax Clearance Certificate that will be valid for 12 months from date of issue. This Tax Clearance Certificate must be submitted with the original bid, before the closing time and date of the bid. Failure to submit an original and valid Tax Clearance Certificate **MAY** invalidate your bid.

Each party to a Consortium/ Sub-Contractor must complete a separate Tax Clearance Certificate. Copies of the Application for Tax Clearance Certificate are attached to every bid document and may also be obtainable at any Receiver of Revenue's Office.

9. READING OUT OF BID PRICES

Henceforth, only the prices of bids in the building, civil, mechanical and electrical works categories will be disclosed on request at the time of opening of bids.

- a) **Tender submission results are read out to the public immediately after closure.**
- b) **No submission results will be faxed, emailed or made available telephonically by any of the Tender offices.**
- c) **Bidders can access this information also over the internet i.e <http://treasury.mpg.gov.za>**
- d) **Suppliers interested in the results, should arrange a representative or should attend the public reading directly after tender closures.**
- e) **Further note that due to the tender procedures required the names and bid offers will only be announced once; bidders who are late for the reading can unfortunately not be assisted with a second announcement.**

10. LEVY

Bidders are hereby advised that the Mpumalanga Provincial Government will only accept bank guaranteed cheque, cash or postal orders as payment for the bid levy. Bidders are requested not to throw away their receipts for purchased bid documents. **NO EXCHANGES FOR CANCELLED OR WITHDRAWN TENDERS CAN BE MADE WITHOUT THE ORIGINAL RECEIPT**

11. The Mpumalanga Provincial Government requires of all bidders to provide details of their empowerment efforts and plans in the following key areas every time they submit bids:

- a) **Directors/ Partners/ Members/ Owners**
The number, role (executive/ non-executive) and influence (power) of Directors.
- b) **Management**
The profile of the management structure, giving percentages of black participation across the levels (supervisor/ junior management/ middle management/ senior management). The type of grading system used must be stated.
- c) **Training and Development**
The Training and Development efforts must be stated – in the area of skills development for workers and management. The training expenditure as a percentage of payroll costs should be given.
- d) **Joint Ventures**
The company must indicate any joint ventures it has with Blacks. Specific details must be given to prove that such joint venture is genuine and real.
- e) **Outsourcing**
The company must indicate which of its business activities (services/ goods) are provided by Black businesses.
- f) **Sub-Contracting**
The company must indicate which part of the contract and for what value will be performed by a Black business out of the whole contract/ assignment it may secure value and benefit to communities.
- g) **Equity Participation**
The bidder must provide information on the status of Black ownership in his/ her company.
- h) **Other Empowerment Activities.**
The bidder would be free to supply other relevant empowerment details, which may not fall within the above-indicated framework.
- i) **Industrial Relations Climate**
Sound Industrial Relations are a good measure not only to the extent of employee acceptance of the work-place environment, but also of the state of their empowerment. If employees or their representatives are allowed and enabled to participate in key organizational processes, then a positive climate develops.

This bulletin is issued by the Provincial Supply Chain Management offices, on behalf of Provincial Departments:

Private Bag X11246
Mbombela 1200

(Please note that the above address is provided for general correspondence or applications to subscribe to receive this bulletin by post. It should not be used for submission of tender documents)

Physical address:

Visitors Centre
Building no. 9
Riverside Government Complex
Bid Documentation Section

For any enquiries, please contact:

Mr. V.S Ngobe
Tel: (013) 766 6339

Bid documents and other related bid/tender information are available from the following Supply Chain Management Offices:

1. **MBOMBELA**
Riverside Government Complex
Building No 9, Government Boulevard, MBOMBELA, 1200
Telephone number: Mr. VS Ngobe (013) 766 6339 or Mr. J Sithole (013) 766 8258 or Ms. MB Theko (013) 766 8269
Fax number: (013) 766 8455
 2. **MALELANE**
The Provincial Treasury
24 Air Street
Malelane
Contact Person: Mr. G Sibiya or Ms. DM Thobela: 013 7900 256
Fax No. : (013) 790 0514
 3. **SIYABUSWA**
Old Parliament Building, Building No.1, Job Skhosana Street, Siyabuswa, 0472
Contact Person: Mr. Tsepho Ngwatle or Mr. Andries Mahlangu or Thabiso Molekwa
Telephone number: (013) 766 7961/62
 4. **MIDDELBURG**
Department of Public Works
Cnr. Lillian Ngoyi and Dr Beyers Naudé Streets – Old TPA Building, Ground floor, Office numbers A5, A9 and 11
Contact Person: Ms. Lorraine Motebu or Ms. Mendy Kabini or Ms Linah Nethononda or Mr. KS Msiza or Ms. YM Bahula
Telephone number: (013) 282 8776 / 9151
Fax number: (013) 282 8776
 5. **ELUKWATINI**
Elukwatini Sub Regional offices
Office numbers A49 and A50 (opposite Elukwatini Community Hall) Stand number 12 Extension A, Elukwatini, 1190. Contact Person: Ms. TL Khathide: Telephone No: 017 883 1396/7
- PIET RETIEF**
No. 11 Measroch Street, Piet Retief Office
Contact Person: Mr. Alex Shongwe
Telephone number : (017) 826 1671
Fax No: (017) 826 0577
6. **KWAMHLANGA**
KwaMhlanga Government Complex
The Provincial Treasury, Building No. 12, Computer Centre
Contact Person: Ms. L Nethononda: 013 766 4872, Ms. E Mnguni: 013 766 4873, Mr. MK Sibanyoni: 013 766 4886 or Mr. DE Mahlangu: 013 766 4875
Fax Number: (013) 947 2250
 7. **EVANDER**
10 Corner Cornell and Aarhus Roads (previously occupied by Evander Home Affairs Offices), Evander, 2280
Contact Person: Ms. Martha Mahlangu or Ms. TV Manana or Ms. Jabulile Mavimbela
Telephone Number: (013) 766 1796 or 1794 or 1790 or 1795
Fax Number: (013) 766 7112
 8. **BUSHBUCKRIDGE**
The Provincial Treasury, R40 Road, Bakoena Business Complex, Bushbuckridge
Contact Person: Ms. Mapula Kgotsoka, Ms. Patricia Shikwambana and Mr. Peterson Sithole: Ms. PT Mashego
Telephone Numbers: 013 799 0229 / 2125
Fax: (013) 799 0535

Please note that bid documents can be collected at any of the above-mentioned satellite offices, but bid/tender documents can ONLY BE SUBMITTED at the following Supply Chain Offices:

Mbombela, Bushbuckridge, KwaMhlanga, Evander, Piet Retief, Middelburg, Malelane and Siyabuswa
Bid Submissions:

- 1. TAKE CARE NOT TO SEND DOCUMENTS TO THE ADVERTISING DEPARTMENTS AS THE BID CLOSURES ARE NOT ADMINISTERED BY INDIVIDUAL DEPARTMENTS**
- 2. TENDER DOCUMENTS SHOULD BE SUBMITTED IN ORIGINAL AND NO COPIES WILL BE ACCEPTED.**
- 3. ALL TENDERS AND PROPOSALS SHOULD BE DELIVERED OR COURIERED TO THE FOLLOWING OFFICES, BEFORE THE CLOSING DATE AND TIME.**
- 4. THE ADDRESS OF THE TENDERER, TENDER NUMBER AND CLOSING DATE MUST APPEAR ON THE FRONT OF THE ENVELOPE – DO NOT SUBMIT DIFFERENT TENDERS IN ONE ENVELOPE**
- 5. TENDER BOXES ARE LOCATED AT THE FOLLOWING CLOSING CENTRES:**

MBOMBELA

Riverside Government Complex
Building No 9, Government Boulevard, Mbombela, 1200
Telephone number: Mr. VS Ngobe (013) 766 6339 or Mr. J Sithole (013) 766 8258 or Ms. MB Theko (013) 766 8269

PIET RETIEF

No. 11 Measroch Street, Piet Retief Office
Contact Person: Mr. Alex Shongwe: Telephone number: (017) 826 1671

KWAMHLANGA

KwaMhlanga Government Complex
The Provincial Treasury, Building No. 12, Computer Centre
Contact Person: Ms. Linah Nethononda: 013 766 4872, Ms. Emily Mnguni: 013 766 4873,
Mr. MK Sibanyoni: 013 766 4886 or Mr. DE Mahlangu: 013 766 4875

EVANDER

10 Corner Cornell and Aarhus Roads (previously occupied by Evander Home Affairs Offices), Evander, 2280
Contact Person: Ms. Martha Mahlangu or Ms. TV Manana or Ms. MJ Mavimbela
Telephone Number: (013) 766 1796 or 1794 or 1790 or 1795

BUSHBUCKRIDGE

The Provincial Treasury, R40 Road, Bakoena Business Complex, Bushbuckridge
Contact Person: Ms. Mapula Kgotsoka, Ms. Patricia Shikwambana and Mr. Peterson Sithole: Ms. PT Mashego
Telephone Numbers: 013 799 0229 / 2125

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Cnr. Lillian Ngoyi and Dr Beyers Naudé Streets – Old TPA Building, Ground floor, Office numbers A5, A9 and 11 Contact Person: Ms. Lorraine Motebu or Ms. Mendy Kabini or Ms. Linah Nethononda or Mr. KS Msiza or Ms. YM Bahula
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Fax No. : (013) 790 0514

ELUKWATINI

Elukwatini Sub Regional offices Office numbers A49 and A50 (opposite Elukwatini Community Hall) Stand number 12 Extension A, Elukwatini, 1190. Contact Person: Ms. TL Khathide: Telephone No: 017 883 1396/

SIYABUSWA

Old Parliament Building, Building No.1, Job Skhosana Street, Siyabuswa, 0472
Contact Person: Mr. Tsepho Ngwatle or Mr. Andries Mahlangu or Thabiso Molekwa



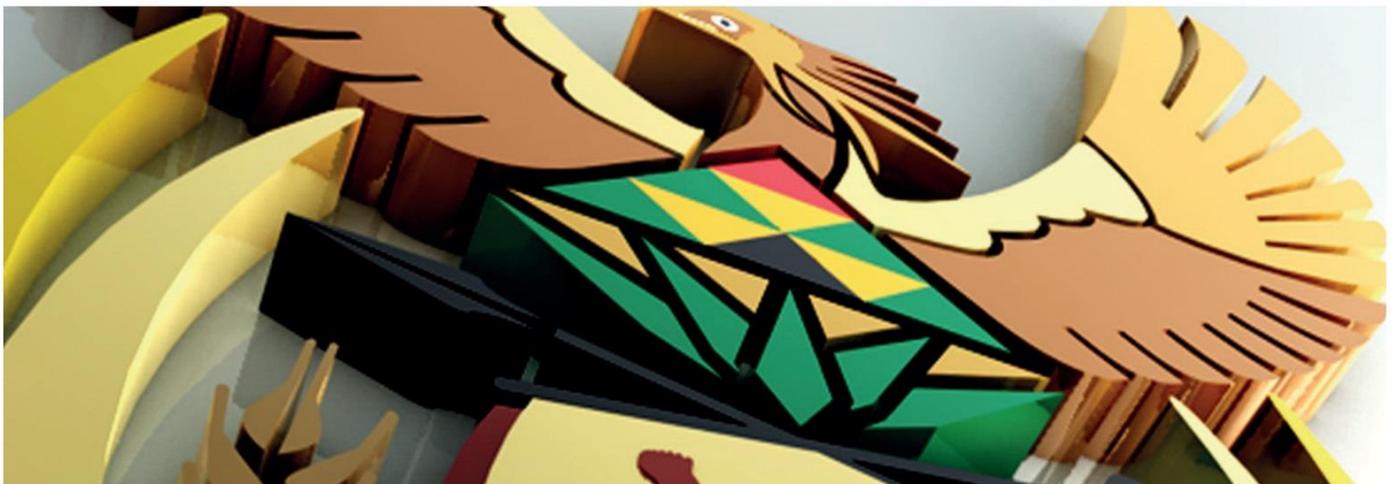
CENTRAL SUPPLIER
DATABASE
FOR GOVERNMENT

ONE GOVERNMENT ONE DATABASE

COME and REGISTER on a Government Central Database for National, Provincial, Local Government and Public Entities

The Central Supplier Database (**CSD**) will be the source of all supplier information for all organs of state. The CSD will reduce the exchange of compliance documents in paper form, eliminate multiple registrations with different organs of state, and ultimately reduce the cost for both business and government by enabling electronic registration and verification processes.

The CSD will interface with the South African Revenue Service (**SARS**) to verify tax clearance certificates and the Companies and Intellectual Property Commission (**CIPC**) for business registration and business ownership information. The CSD will furthermore verify supplier information with the register for tender defaulters and database of restricted suppliers.



You can self-register yourself as a supplier on the central supplier database on website:

www.csd.gov.za



national treasury

Department:
National Treasury
REPUBLIC OF SOUTH AFRICA



provincial treasury

MPUMALANGA PROVINCE
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CANCELLED BIDS

NOTICE ON CANCELLATION OF BIDS

- 1) Notice is hereby given to all bidders and stakeholders, that the following bids have been cancelled.
- 2) Where determined, these bids will accordingly be re-advertised at the discretion of the relevant Government institution. Where these bids are re-advertised, it will be required of bidders to produce original receipts of the initial purchase in order to receive the relevant bid document in line with the re-advertisement.

CANCELLATION OF BID FOR DEPARTMENT OF AGRICULTURE, RURAL DEVELOPMENT LAND & ENVIRONMENTAL AFFAIRS

BID NO	PROJECT DESCRIPTION	REASON
ALA/504/23/MP	Supply, Delivery, offloading, installation and commissioning of fencing material at Mpumalanga Province for a period of 60 months	Bid was none responsive

CANCELLATION OF BID FOR DEPARTMENT OF HEALTH

NO	DESCRIPTION OF THE BID	BID NO
1	PROVISION OF CHRONIC MENTAL HEALTH SERVICE FOR MPUMALANGA OF DEPARTMENT OF HEALTH FOR THE PERIOD OF THREE YEARS WITH AN OPTION TO RENEW FOR FURTHER TWO YEARS	HEAL/154/22/MP
2	PROVISION OF LOCUMS OF ALL GRADES AND SPECIALIST TO ALL HOSPITALS IN THE MPUMALANGA DEPARTMENT OF HEALTH FOR A PERIOD THREE (03) YEARS	HEAL/109/22/MP
3	PROVISION OF AEROMEDICAL SERVICE FOR EMERGENCY MEDICAL SERVICES IN THE MPUMALANGA DEPARTMENT OF HEALTH FOR A PERIOD OF THREE (03) YEARS	HEAL/185/22/MP
4	SUPPLY, DELIVERY AND COMMISSIONING OF THE FIXED DIGITAL X-RAY UNIT, PACS/RIS SYSTEM AND LASER PRINTER (BERNICE SAMUELS) ELSIE BALLOT HOSPITAL	HEAL/253/22/MP
5	SUPPLY, DELIVERY AND COMMISSION OF THE DIGITAL X-RAY SYSTEM (CAROLINE HOSPITAL)	HEAL/254/23/MP

CANCELLATION OF BIDS FOR DEPARTMENT OF MPUMALNGA TOURISM AND PARKS AGENCY

NO	DESCRIPTION OF THE BID	BID NO
1	REQUEST FOR PROPOSAL FOR AN OPERATOR TO SUPPLY, OPERATE AND MANAGE A FLOATING RESTAURANT AT BLYDE RIVER CANYON NATURE RESERVE	MTPA/20232024/COM/01B
2	REQUEST FOR PROPOSAL FOR TWO OPERATORS TO SUPPLY, OPERATE AND MANAGE A BOAT CRUISE AT BLYDE RIVER CANYON NATURE RESERVE, SWADIN DAM	MTPA/20232024/COM/02B
3	REQUEST FOR PROPOSAL FOR OPERATOR TO INVEST, DESIGN, CONSTRUCT, OPERATE AND MANAGE A BUSH CAMP CONCESSION AT ANDOVER NATURE RESERVE	MTPA/20232024/COM/05B

BID INVITATIONS

BID NUMBER: *EDU/167/23/MP*

Description:	<i>APPOINTMENT OF A SERVICE PROVIDER (S) TO SUPPLY AND DELIVER CLEANING AND GARDENING MATERIAL, TOOLS AND EQUIPMENT FOR THE MPUMALANGA DEPARTMENT OF EDUCATION FOR A PERIOD OF THREE (3) YEARS</i>	
Bid invited by:	The Department of Education	
Non-refundable fee:	R100.00 payable in cash or bank guaranteed cheque made out to the Mpumalanga Provincial Government	
Contact for Bid enquiries, technical or specifications:	Ms. Moira Olivier : 013 766 5278 or m.olivier@mpuedu.gov.za	
Contact for availability of document:	Provincial Supply Chain Management offices: 013 766 6339, 8269 or 8258	
Where this document can be obtained:	Any of the Mpumalanga Provincial Supply Chain offices: Refer to page 4	
Closing:	Date: 20 NOVEMBER 2023	Time: 12h00
Where this document must be submitted:	Any of the eight regional branches, as specified on page 5	

BID NUMBER: *DHS/226/23/MP*

Description:	<i>APPOINTMENT OF A SERVICE PROVIDER FOR THE CONSTRUCTION OF A TAXI RANK IN XIMHUNGWE UNDER BUSHBUCKRIDGE LOCAL MUNICIPALITY, EHLANZENI DISTRICT</i>	
Bid invited by:	The Department of Human Settlement	
Non-refundable fee:	R100.00 payable in cash or bank guaranteed cheque made out to the Mpumalanga Provincial Government	
CIDB Grading	7 GB or Higher	
Compulsory Briefing Session:	Date: 30 October 2023 Time: 11:00	Venue: Mariti Community Hall
Contact for Bid enquiries, technical or specifications:	Ms. R.S Motsilanyana : 013 766 6426 Mr T.A Mnisi : 013 766 6348	
Contact for availability of document:	Provincial Supply Chain Management offices: 013 766 6339, 8269 or 8258	
Where this document can be obtained:	Any of the Mpumalanga Provincial Supply Chain offices: Refer to page 4	
Closing:	20 NOVEMBER 2023	Time: 12h00
Where this document must be submitted:	Any of the eight regional branches, as specified on page 5	

BID NUMBER: *DHS/227/23/MP*

Description:	<i>APPOINTMENT OF A SERVICE PROVIDER FOR THE CONSTRUCTION OF A TAXI RANK IN ACONRHOEK UNDER BUSHBUCKRIDGE LOCAL MUNICIPALITY, EHLANZENI DISTRICT</i>	
Bid invited by:	The Department of Human Settlement	
Non-refundable fee:	R100.00 payable in cash or bank guaranteed cheque made out to the Mpumalanga Provincial Government	
CIDB Grading	7 GB or Higher	
Compulsory Briefing Session:	Date: 31 October 2023 Time: 11:00	Venue: Mariti Community Hall
Contact for Bid enquiries, technical or specifications:	Ms. R.S Motsilanyana : 013 766 6426 Mr T.A Mnisi : 013 766 6348	
Contact for availability of document:	Provincial Supply Chain Management offices: 013 766 6339, 8269 or 8258	
Where this document can be obtained:	Any of the Mpumalanga Provincial Supply Chain offices: Refer to page 4	
Closing:	20 NOVEMBER 2023	Time: 12h00
Where this document must be submitted:	Any of the eight regional branches, as specified on page 5	

BID NUMBER: *DHS/228/23/MP*

Description:	<i>APPOINTMENT OF A SERVICE PROVIDER FOR THE CONSTRUCTION OF A TAXI RANK IN CASTEEL UNDER BUSHBUCKRIDGE LOCAL MUNICIPALITY, EHLANZENI DISTRICT</i>	
Bid invited by:	The Department of Human Settlement	
Non-refundable fee:	R100.00 payable in cash or bank guaranteed cheque made out to the Mpumalanga Provincial Government	
CIDB Grading	7 GB or Higher	
Compulsory Briefing Session:	Date: 01 November 2023 Time: 11:00	Venue: Mariti Community Hall
Contact for Bid enquiries, technical or specifications:	Ms. R.S Motsilanyana : 013 766 6426 Mr T.A Mnisi : 013 766 6348	
Contact for availability of document:	Provincial Supply Chain Management offices: 013 766 6339, 8269 or 8258	
Where this document can be obtained:	Any of the Mpumalanga Provincial Supply Chain offices: Refer to page 4	
Closing:	20 NOVEMBER 2023	Time: 12h00
Where this document must be submitted:	Any of the eight regional branches, as specified on page 5	

BID NUMBER: *DHS/229/23/MP*

Description:	<i>APPOINTMENT OF A SERVICE PROVIDER FOR THE CONSTRUCTION OF A CHILD CARE CENTRE AND A COMMUNITY HALL IN COTTONDALE UNDER BUSHBUCRIDGE LOCAL MUNICIPALITY, EHLANZENI DISTRICT.</i>	
Bid invited by:	The Department of Human Settlement	
Non-refundable fee:	R100.00 payable in cash or bank guaranteed cheque made out to the Mpumalanga Provincial Government	
CIDB Grading	7 GB or Higher	
Compulsory Briefing Session:	Date: 02 November 2023 Time: 11:00	Venue: Cottondale GPS Coordinates :31° 7' 20.8122", -24° 36' 43.956"
Contact for Bid enquiries, technical or specifications:	Ms. R.S Motsilanyana : 013 766 6426 Mr T.A Mnisi : 013 766 6348	
Contact for availability of document:	Provincial Supply Chain Management offices: 013 766 6339, 8269 or 8258	
Where this document can be obtained:	Any of the Mpumalanga Provincial Supply Chain offices: Refer to page 4	
Closing:	22 NOVEMBER 2023	Time: 12h00
Where this document must be submitted:	Any of the eight regional branches, as specified on page 5	

BID NUMBER: *DHS/230/23/MP*

Description:	<i>APPOINTMENT OF A SERVICE PROVIDER FOR THE CONSTRUCTION OF A CHILD CARE CENTRE AND A COMMUNITY HALL IN ACORNHOEK, MERRIAM, MAGAKANE UNDER BUSHBUCRIDGE LOCAL MUNICIPALITY, EHLANZENI DISTRICT.</i>	
Bid invited by:	The Department of Human Settlement	
Non-refundable fee:	R100.00 payable in cash or bank guaranteed cheque made out to the Mpumalanga Provincial Government	
CIDB Grading	7 GB or Higher	
Compulsory Briefing Session:	Date: 03 November 2023 Time: 11:00	Venue: Merriam Mogakane Acornhoek GPS Coordinates :31° 2' 41.4702", -24° 36' 8.1324"
Contact for Bid enquiries, technical or specifications:	Ms. R.S Motsilanyana : 013 766 6426 Mr T.A Mnisi : 013 766 6348	
Contact for availability of document:	Provincial Supply Chain Management offices: 013 766 6339, 8269 or 8258	
Where this document can be obtained:	Any of the Mpumalanga Provincial Supply Chain offices: Refer to page 4	
Closing:	22 NOVEMBER 2023	Time: 12h00
Where this document must be submitted:	Any of the eight regional branches, as specified on page 5	

BID NUMBER: *DHS/231/23/MP*

Description:	APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF BULK WATER AND SEWER INFRASTRUCTURE IN KINROSS EXTENSION 33 SETTLEMENT UNDER GOVAN MBEKI LOCAL MUNICIPALITY, GERT SIBANDE DISTRICT.	
Bid invited by:	The Department of Human Settlement	
Non-refundable fee:	R100.00 payable in cash or bank guaranteed cheque made out to the Mpumalanga Provincial Government	
CIDB Grading	7CE or Higher	
Compulsory Briefing Session:	Date: 27 October 2023 Time: 11:00	Venue: Lillian Ngoyi Centre, Secunda
Contact for Bid enquiries, technical or specifications:	Ms. R.S Motsilanyana : 013 766 6426 Mr P.G Mpofo : 013 766 6315	
Contact for availability of document:	Provincial Supply Chain Management offices: 013 766 6339, 8269 or 8258	
Where this document can be obtained:	Any of the Mpumalanga Provincial Supply Chain offices: Refer to page 4	
Closing:	22 NOVEMBER 2023	Time: 12h00
Where this document must be submitted:	Any of the eight regional branches, as specified on page 5	

BID NUMBER: *PWRT/2554/23/MP*

Description:	REHABILITATION OF PROVINCIAL ROAD D636 (AIRPORT ROAD) BETWEEN ROAD D812 AND ROAD D2276 (KM 8.79 TO KM 21.02) IN THE MBOMBELA LOCAL MUNICIPALITY IN THE EHLANZENI REGION OF THE MPUMALANGA PROVINCE (12.23KM)	
Bid invited by:	The Department of Public Works, Roads and Transport	
Non-refundable fee:	R200.00 payable in cash or bank guaranteed cheque made out to the Mpumalanga Provincial Government	
CIDB Grading	8CE OR Higher	
Compulsory Briefing Session:	Date: 06 November 2023 Time: 10h00	Venue: Intersection of Road D812 and D636 (KM 8.79) (junction of Ngodini/Airport Road) GPS Coordinates: S=25°21'12.90" E=31° 4'17.02"
Contact for Bid enquiries, technical or specifications:	Mr. E. Baloyi : 076 562 0047 or baloyie@mpg.gov.za Mr. H. Mlambo : 013 753 2517 or humphry@likhanyilecon.co.za	
Contact for availability of document:	Provincial Supply Chain Management offices: 013 766 6339, 8269 or 8258	
Where this document can be obtained:	Any of the Mpumalanga Provincial Supply Chain offices: Refer to page 4	
Closing:	Date: 24 NOVEMBER 2023	Time: 12h00
Where this document must be submitted:	Any of the seven regional branches, as specified on page 5	

BID NUMBER: PWRT/2555/23/MP

Description:	REHABILITATION OF PROVINCIAL ROAD D1723 (LUPHISI ROAD) BETWEEN ROAD D636 AND ROAD P258/1 (KM 0.00 TO KM 6.82) IN THE MBOMBELA LOCAL MUNICIPALITY IN THE EHLANZENI REGION OF THE MPUMALANGA PROVINCE (6.82KM)	
Bid invited by:	The Department of Public Works, Roads and Transport	
Non-refundable fee:	R200.00 payable in cash or bank guaranteed cheque made out to the Mpumalanga Provincial Government	
CIDB Grading	8CE OR Higher	
Compulsory Briefing Session:	Date: 06 November 2023 Time: 12:00	Venue: Intersection between Road D1723 and D636 (next to Cassambo Lodge) GPS Coordinates: S= 25°26'6.12" E= 31° 5'54.64"
Contact for Bid enquiries, technical or specifications:	Mr. E. Baloyi: : 076 562 0047 or baloyie@mpg.gov.za Mr. B. Nyoni: :0861 543 9252 or 073 470 8728/ bnyoni@lidwala.com	
Contact for availability of document:	Provincial Supply Chain Management offices: 013 766 6339, 8269 or 8258	
Where this document can be obtained:	Any of the Mpumalanga Provincial Supply Chain offices: Refer to page 4	
Closing:	Date: 24 NOVEMBER 2023	Time: 12h00
Where this document must be submitted:	Any of the seven regional branches, as specified on page 5	

BID NUMBER: PWRT/2556/23/MP

Description:	REHABILITATION AND UPGRADING OF ROAD D2571 FROM R37 INTERSECTION TO P171/1 INTERSECTION (LYDENBURG PASS) IN THE THABA CHEWU LOCAL MUNICIPALITY IN THE EHLANZENI REGION OF MPUMALANGA PROVINCE (13.4KM)	
Bid invited by:	The Department of Public Works, Roads and Transport	
Non-refundable fee:	R200.00 payable in cash or bank guaranteed cheque made out to the Mpumalanga Provincial Government	
CIDB Grading	8CE OR Higher	
Compulsory Briefing Session:	Date:07 November 2023 Time: 10h00	Venue: Intersection of Road D2571 (Km0.00) and Road R37/2 (km 13.4) (corner Burgersfort Road & Emashishing Township) GPS Coordinates: S= 25°04'02.37" E= 30° 26'01.07"
Contact for Bid enquiries, technical or specifications:	Mr. E. Baloyi: 076 562 0047 or baloyie@mpg.gov.za Mr. T Thothela 010 035 1460 or tumelot@romh.co.za	
Contact for availability of document:	Provincial Supply Chain Management offices: 013 766 6339, 8269 or 8258	
Where this document can be obtained:	Any of the Mpumalanga Provincial Supply Chain offices: Refer to page 4	
Closing:	Date: 24 NOVEMBER 2023	Time: 12h00
Where this document must be submitted:	Any of the seven regional branches, as specified on page 5	

BID NUMBER: PWRT/2557/23/MP

Description:	REHABILITATION OF ROAD D2940 FROM PHIVA TO MDLADLA IN THE NKOMAZI LOCAL MUNICIPALITY IN THE EHLANZENI REGION OF MPUMALANGA PROVINCE (9.00KM)	
Bid invited by:	The Department of Public Works, Roads and Transport	
Non-refundable fee:	R200.00 payable in cash or bank guaranteed cheque made out to the Mpumalanga Provincial Government	
CIDB Grading	8CE OR Higher	
Compulsory Briefing Session:	Date: 08 November 2023 Time: 10:00	Venue: Intersection between Road D797 and D2940 (next to Good Luck Tavern) GPS Coordinates: S= 25°38'14.41" E= 31° 40'44.10"
Contact for Bid enquiries, technical or specifications:	Mr. E. Baloyi: : 076 562 0047 or baloyie@mpg.gov.za Mr. R. Mamuremi : 013 752 3658 or info@shumaafrica.co.za	
Contact for availability of document:	Provincial Supply Chain Management offices: 013 766 6339, 8269 or 8258	
Where this document can be obtained:	Any of the Mpumalanga Provincial Supply Chain offices: Refer to page 4	
Closing:	Date: 27 NOVEMBER 2023	Time: 12h00
Where this document must be submitted:	Any of the seven regional branches, as specified on page 5	

BID NUMBER: PWRT/2558/23/MP

Description:	THE UPGRADING AND EXTENSION OF ROAD P216/1 FROM SECUNDA TO EMBALENHLE (9.67 KM), IN THE GERT SIBANDE DISTRICT OF THE MPUMALANGA PROVINCE	
Bid invited by:	The Department of Public Works, Roads and Transport	
Non-refundable fee:	R200.00 payable in cash or bank guaranteed cheque made out to the Mpumalanga Provincial Government	
CIDB Grading	9CE	
Compulsory Briefing Session:	Date:09 November 2023 Time: 11h00	Venue: Intersection between Road P216/1 and Walter Sisulu Rd (next to Graceland Entertainment World) GPS Coordinates: S= 26°31'3.66" E= S29° 9'59.30"
Contact for Bid enquiries, technical or specifications:	Mr. E. Baloyi: : 076 562 0047 or baloyie@mpg.gov.za Mr. F. Rakau : 011 656 0475 or floyd@dikgabo.co.za	
Contact for availability of document:	Provincial Supply Chain Management offices: 013 766 6339, 8269 or 8258	
Where this document can be obtained:	Any of the Mpumalanga Provincial Supply Chain offices: Refer to page 4	
Closing:	Date: 27 NOVEMBER 2023	Time: 12h00
Where this document must be submitted:	Any of the seven regional branches, as specified on page 5	

BID NUMBER: *MTPA/20232024/FIN/02*

DESCRIPTION OF REQUIREMENT	APPOINTMENT OF A SERVICE PROVIDER FOR THE PROVISION OF FLEET FINANCE LEASE FOR PERIOD OF 5 YEARS AND PROCUREMENT OF FLEET WITH SERVICE AND MAINTENANCE PLAN
NAME OF INSTITUTION	MPUMALANGA TOURISM AND PARKS AGENCY
BID NUMBER	MTPA/20232024/COM/07
PLACE WHERE GOODS, WORKS OR SERVICES ARE REQUIRED	N4 NATIONAL ROAD, HALL'S GETAWAY, MATAFFIN, MBOMBELA,MPUMALANGA
CLOSING DATE AND TIME OF BID	DATE: 05 DECEMBER 2023 TIME: 11:00 AM
CONTACT DETAILS	<p>PHYSICAL ADDRESS: SUPPLY CHAIN MANAGEMENT OFFICE N4 NATIONAL ROAD, HALL'S GETAWAY, MATAFFIN, MBOMBELA,MPUMALANGA</p> <p>POSTAL ADDRESS : PRIVATE BAG X11338, MBOMBELA, 1200</p> <p>TELEPHONE NUMBERS: 013 759 5300,FAX 013 755 3928</p> <p>CONTACT PERSON (TECHNICAL ENQUIRIES): Ms Zandile Mkhathswa E-MAIL ADDRESS: zandile.mkhatshwa@mtpa.co.za</p> <p>CONTACT PERSON (SCM ENQUIRIES): Ms Noxolo Mgwenya E-MAIL ADDRESS: noxolo.mgwenya@mtpa.co.za</p>
COLLECTION OR ACCESSING THE BID DOCUMENT CAN BE COLLECTED	Bid documents will be available for collection on MTPA website (www.mpumalanga.com) or at the Supply Chain Management Office, N4 National Road, Block E at the MTPA Office Complex, Samora Machel Drive, Hall's, Mataffin, Nelspruit between 07:30am – 13:00 and 14:00 – 16:00 . Bid documents collected at MTPA Complex Office are available at a non-refundable cost of R200-00 .
PLACE WHERE BID DOCUMENT MUST BE DELIVERED / DEPOSITED	All proposals and supporting documents must be clearly marked " TENDER REFERENCE NUMBER " and submitted to Supply Chain Management Office of the Chief Financial Officer, Private Bag X11338, Nelspruit, 1200 or hand delivered to the Tender Box, Block E at the MTPA Office Complex, Samora Machel Drive, Hall's, Mataffin, Nelspruit on or before 05 DECEMBER 2023 at 11h00
COMPULSORY BRIEFING SESSION/SITE VISIT	N/A

BID NUMBER: MEGA/2023/06

DESCRIPTION OF REQUIREMENT	PROPOSALS FOR THE IMPLEMENTATION AND SUPPORT OF ENTERPRISE RESOURCE PLANNING (ERP) SYSTEM, FOR A PERIOD OF THREE (3) YEARS
BID NUMBER	MEGA/2023/06
NAME OF INSTITUTION	MPUMALANGA ECONOMIC GROWTH AGENCY
PLACE WHERE GOODS, WORKS OR SERVICES ARE REQUIRED	MBOMBELA, MEGA OFFICE PARK, 02 EASTERN BOULEVARD RIVERSIDE, 1200
CLOSING DATE AND TIME OF BID	DATE: 20 NOVEMBER 2023 TIME: 12:00 PM
CONTACT DETAILS	PHYSICAL ADDRESS: MEGA OFFICE PARK 02 EASTERN BOULEVARD, RIVERSIDE, MBOMBELA POSTAL ADDRESS: PO BOX 1330 NELSPRUIT, 1200 TELEPHONE NUMBERS: 013 492 5817/8 CONTACT PERSON (TECHNICAL ENQUIRIES): Mr. M MKHABELA E-MAIL ADDRESS: mandla.mkhabela@mega.gov.za CONTACT PERSON (SCM ENQUIRIES): Mr. WANDILE SHONGWE E-MAIL ADDRESS: Wandile.shongwe@mega.gov.za
COLLECTION OR ACCESSING THE BID DOCUMENT CA BE COLLECTED	TENDER DOCUMENTS ARE FOR FREE AND INTERESTED PARTIES MAY DOWNLOAD THEM FROM THE ETENDERS PUBLICATION. WHERE THERE ARE CHALLENGES WHEN DOWN LOADING THE TENDER DOCUMENTS, BIDERS CAN REQUEST IT DIRECTLY FROM MEGA (Wandile.shongwe@mega.gov.za)
PLACE WHERE BID DOCUMENT MUST BE DELIVERED / DEPOSITED	ALL THE BID DOCUMENTS TOGETHER WITH THE SUPPORTING DOCUMENTS MUST BE SUBMITTED ON SEALED ENVELOPE, MARKED WITH THE NAME AND ADDRESS OF THE SERVICE PROVIDERS, BID NUMBER, BID DESCRIPTION AND CLOSING DATE AND BE DEPOSITED IN THE TENDER BOX LOCATED AT MEGA OFFICE PARK 02 EASTERN BOULEVARD, RIVERSIDE, MBOMBELA BEFORE 16 NOVEMBER 2023 at 12h00
COMPULSORY BRIEFING SESSION/SITE VISIT	NO COMPULSORY BRIEFING SESSION WILL BE HELD FOR THIS BID:

BID NUMBER: MEGA/2023/07

DESCRIPTION OF REQUIREMENT	APPOINTMENT OF A PROFESSIONAL SERVICE PROVIDER FOR THE PROVISION OF INTERNAL AUDIT SERVICES FOR A PERIOD OF THREE (3) YEARS
BID NUMBER	MEGA/2023/07
NAME OF INSTITUTION	MPUMALANGA ECONOMIC GROWTH AGENCY
PLACE WHERE GOODS, WORKS OR SERVICES ARE REQUIRED	MBOMBELA, MEGA OFFICE PARK, 02 EASTERN BOULEVARD RIVERSIDE, 1200
CLOSING DATE AND TIME OF BID	DATE: 21 NOVEMBER 2023 TIME: 12:00 PM
CONTACT DETAILS	PHYSICAL ADDRESS: MEGA OFFICE PARK 02 EASTERN BOULEVARD, RIVERSIDE, MBOMBELA POSTAL ADDRESS: PO BOX 1330 NELSPRUIT, 1200 TELEPHONE NUMBERS: 013 492 5817/8 CONTACT PERSON (TECHNICAL ENQUIRIES): E-MAIL ADDRESS: CONTACT PERSON (SCM ENQUIRIES): Mr. WANDILE SHONGWE E-MAIL ADDRESS: Wandile.shongwe@mega.gov.za
COLLECTION OR ACCESSING THE BID DOCUMENT CA BE COLLECTED	TENDER DOCUMENTS ARE FOR FREE AND INTERESTED PARTIES MAY DOWNLOAD THEM FROM THE ETENDERS PUBLICATION. WHERE THERE ARE CHALLENGES WHEN DOWN LOADING THE TENDER DOCUMENTS, BIDERS CAN REQUEST IT DIRECTLY FROM MEGA (Wandile.shongwe@mega.gov.za)
PLACE WHERE BID DOCUMENT MUST BE DELIVERED / DEPOSITED	ALL THE BID DOCUMENTS TOGETHER WITH THE SUPPORTING DOCUMENTS MUST BE SUBMITTED ON SEALED ENVELOPE, MARKED WITH THE NAME AND ADDRESS OF THE SERVICE PROVIDERS, BID NUMBER, BID DESCRIPTION AND CLOSING DATE AND BE DEPOSITED IN THE TENDER BOX LOCATED AT MEGA OFFICE PARK 02 EASTERN BOULEVARD, RIVERSIDE, MBOMBELA BEFORE 17 NOVEMBER 2023 at 12h00
COMPULSORY BRIEFING SESSION/SITE VISIT	NO COMPULSORY BRIEFING SESSION WILL BE HELD FOR THIS BID:

BID NUMBER: MEGA/2023/08

DESCRIPTION OF REQUIREMENT	REQUEST FOR PROPOSALS FOR FACILITIES AND / OR UTILITIES MANAGEMENT SERVICES AT EKANDUSTRIAL INDUSTRIAL PARK, FOR A PERIOD OF THREE (3) YEARS
BID NUMBER	MEGA/2023/08
NAME OF INSTITUTION	MPUMALANGA ECONOMIC GROWTH AGENCY
PLACE WHERE GOODS, WORKS OR SERVICES ARE REQUIRED	MBOMBELA, MEGA OFFICE PARK, 02 EASTERN BOULEVARD RIVERSIDE, 1200
CLOSING DATE AND TIME OF BID	DATE: 23 NOVEMBER 2023 TIME: 12:00 PM
CONTACT DETAILS	PHYSICAL ADDRESS: MEGA OFFICE PARK 02 EASTERN BOULEVARD, RIVERSIDE, MBOMBELA POSTAL ADDRESS: PO BOX 1330 NELSPRUIT, 1200 TELEPHONE NUMBERS: 013 492 5817/8 CONTACT PERSON (TECHNICAL ENQUIRIES): MR E NYATHIKAZI E-MAIL ADDRESS: Erick.nyathikazi@mega.gov.za CONTACT PERSON (SCM ENQUIRIES): Mrs. BN MAHLALELA E-MAIL ADDRESS: Bridget.Mahlalela@mega.gov.za
COLLECTION OR ACCESSING THE BID DOCUMENT CA BE COLLECTED	TENDER DOCUMENTS ARE FOR FREE AND INTERESTED PARTIES MAY DOWNLOAD THEM FROM THE ETENDERS PUBLICATION. WHERE THERE ARE CHALLENGES WHEN DOWN LOADING THE TENDER DOCUMENTS, BIDERS CAN REQUEST IT DIRECTLY FROM MEGA (Bridget.Mahlalela@mega.gov.za)
PLACE WHERE BID DOCUMENT MUST BE DELIVERED / DEPOSITED	ALL THE BID DOCUMENTS TOGETHER WITH THE SUPPORTING DOCUMENTS MUST BE SUBMITTED ON SEALED ENVELOPE, MARKED WITH THE NAME AND ADDRESS OF THE SERVICE PROVIDERS, BID NUMBER, BID DESCRIPTION AND CLOSING DATE AND BE DEPOSITED IN THE TENDER BOX LOCATED AT MEGA OFFICE PARK 02 EASTERN BOULEVARD, RIVERSIDE, MBOMBELA BEFORE 23 NOVEMBER 2023 at 12h00
COMPULSORY BRIEFING SESSION/SITE VISIT	Venue: MEGA OFFICE PARK 02 EASTERN BOULEVARD, RIVERSIDE, MBOMBELA Date: 15 November 2023 Time: 10:00

EXTENSION OF VALIDITY PERIOD FOR CO-OPERATIVE GOVERNANCE & TRADITIONAL AFFAIRS

No.	Description	Bid No.	Validity Period Extension	
			Start date	End Date
1	APPOINTMENT OF ONE OR MORE SERVICE PROVIDERS FOR THE PROVISION OF PRINTING SERVICES AND OTHER RELATED SERVICES WITHIN THE MPUMALANGA PROVINCE FOR THE PERIOD OF THREE (3) YEARS.	CGT/026/23/MP	12 October 2023	11 November 2023
2	APPOINTMENT OF ONE OR MORE SERVICE PROVIDERS FOR THE SUPPLY AND DELIVERY OF DISASTER RELIEF MATERIAL IN THE MPUMALANGA PROVINCE FOR A PERIOD OF THREE (3) YEARS	CGT/031/23/MP	12 October 2023	11 November 2023
3	APPOINTMENT OF ONE OR MORE SERVICE PROVIDERS FOR THE SUPPLY AND DELIVERY OF DISASTER RELIEF MATERIAL IN THE MPUMALANGA PROVINCE FOR A PERIOD OF THREE (3) YEARS	CGT/096/23/MP	12 October 2023	11 November 2023
4	APPOINTMENT OF ONE OR MORE SERVICE PROVIDERS FOR THE PROVISION OF DISASTER, EMERGENCY, INCIDENT RESPONSE AND FIREFIGHTING COORDINATION MANAGEMENT SOLUTION TO SUPPORT THE DEPARTMENT ON DISASTER MANAGEMENT IN THE MPUMALANGA PROVINCE FOR PERIOD OF THREE (3) YEARS.	CGT0/97/23/MP	12 October 2023	11 November 2023
5	APPOINTMENT OF SERVICE PROVIDER FOR THE AD HOC HIRE OF MECHANICAL SWEEPER, AUTOMATED POTHOLE REPAIR AND PATCHING AND MICRO SURFACING EQUIPMENT AT VARIOUS WITHIN MPUMALANGA PROVINCE FOR A PERIOD OF THREE (3) YEARS	CGT/098/23/MP	12 October 2023	11 November 2023

EXTENSION OF VALIDITY PERIOD FOR VARIOUS BIDS IN THE PROVINCIAL TREASURY

No.	Description	Bid No.	Validity Period Extension	
			Start date	End Date
1	APPOINTMENT OF SERVICE PROVIDER(S) FOR A PERIOD OF THREE (3) YEARS TO SUPPLY AND DELIVER OFFICE FURNITURE TO THE MPUMALANGA PROVINCIAL TREASURY	TREA/010/23/MP	26 August 2023	26 October 2023

EXTANSION FOR VALIDITY PERIOD FOR PUBLIC WORKS, ROADS & TRANSPORT

No.	Description	Tender No.	Closing Date for Bid	Bid Validity Expiry Date (90 Days)	Bid Validity Extension (90 Days)
1.	APPOINTMENT OF A SERVICE PROVIDER TO RENDER CATERING SERVICES AT THE RIVERSIDE GOVERNMENT COMPLEX (RGC) IN MBOMBELA FOR A PERIOD OF THREE (3) YEARS.	PWRT/1603/23/MP	17 July 2023	17 October 2023	17 January 2024
2.	LANDSCAPE AND IRRIGATION MAINTENANCE CONTRACT FOR RIVERSIDE GOVERNMENT COMPLEX (RGC) AT MBOMBELA FOR A PERIOD OF THREE YEARS.	PWRT/1606/23/MP	17 July 2023	17 October 2023	17 January 2024
3.	MAINTENANCE OF FIRE SUPPRESSION INSTALLATIONS AT THE RIVERSIDE GOVERNMENT COMPLEX (RGC) NELSPRUIT AND HEAD OFFICE EXTENSIONS FOR A PERIOD OF THREE YEARS.	PWRT/1608/23/MP	17 July 2023	17 October 2023	17 January 2024
4.	INSTALLATION AND MAINTENANCE OF ELECTRICAL SERVICES AT RIVERSIDE GOVERNMENT COMPLEX (RGC) IN MBOMBELA AND AT ALL ITS EXTENSION BUILDINGS AND VIP RESIDENCES FOR A PERIOD OF THREE YEARS.	PWRT/1840/23/MP	17 July 2023	17 October 2023	17 January 2024
5.	INSTALLATION AND MAINTENANCE OF THE ENTIRE ELECTRONICS SERVICES & SECURITY SYSTEMS AT THE RIVERSIDE GOVERNMENT COMPLEX (RGC) IN MBOMBELA AND ALL MPUMALANGA PROVINCIAL GOVERNMENT	PWRT/2150/23/MP	17 July 2023	17 October 2023	17 January 2024

	OFFICE BUILDINGS AND VIP RESIDENCES FOR A PERIOD OF THREE YEARS.				
6.	COMPREHENSIVE MAINTENANCE AND REPAIRS OF ELEVATORS AND ESCALATORS THROUGHOUT MPUMALANGA PROVINCE FOR A PERIOD OF THREE (3) YEARS.	PWRT/1845/23/MP	19 July 2023	19 October 2023	19 January 2024
7.	REPAIR, SUPPLY AND INSTALLATION OF ELECTRICAL ITEMS AT VARIOUS FACILITIES WITHIN MPUMALANGA PROVINCE FOR A PERIOD OF THREE (3) YEARS.	PWRT/1846/23/MP	19 July 2023	19 October 2023	19 January 2024
8.	SUPPLY, SERVICE AND MAINTENANCE OF FIRE SUPPRESSION AND FIRE INSTALLATIONS AT VARIOUS INSTITUTIONS WITHIN MPUMALANGA PROVINCE FOR A PERIOD OF THREE YEARS.	PWRT/2474/23/MP	19 July 2023	19 October 2023	19 January 2024
9.	APPOINTMENT OF SERVICE PROVIDERS FOR EVENT MANAGEMENT FOR THE DEPARTMENT OF PUBLIC WORKS, ROADS AND TRANSPORT IN THE EHLANZENI, GERT SIBANDE , NKANGALA , BOHLABELA DISTRICT FOR A PERIOD OF THREE (03) YEARS.	PWRT/1195/23/MP	19 July 2023	19 October 2023	19 January 2024
10.	CONSTRUCTION OF ROCKDALE EXT 2 PRIMARY SCHOOL, IN ROCKDALE EXT 2, EMALAHLENI LOCAL MUNICIPALITY, MPUMALANGA PROVINCE.	PWRT/2505/23/MP	19 July 2023	19 October 2023	19 January 2024
11.	CONSTRUCTION OF LONGTOM SECONDARY SCHOOL, IN MASHISHING, THABA CHWEU LOCAL MUNICIPALITY, MPUMALANGA PROVINCE.	PWRT/2508/23/MP	21 July 2023	21 October 2023	21 January 2024
12.	CONSTRUCTION OF A NEW 8 HOUR CLINIC IN TROYA VILLAGE, WARD 21 AT DR JS MOROKA LOCAL MUNICIPALITY IN THE MPUMALANGA PROVINCE.	PWRT/2527/23/MP	21 July 2023	21 October 2023	21 January 2024
13.	CONSTRUCTION OF A NEW 8 HOUR CLINIC IN WESSELTON EXT 2, MSUKALIGWA LOCAL MUNICIPALITY IN THE MPUMALANGA PROVINCE.	PWRT/2528/23/MP	21 July 2023	21 October 2023	21 January 2024
14.	CONSTRUCTION OF A NEW 8 HOUR CLINIC IN DUMPHRIES A, BUSHBUCKRIDGE LOCAL MUNICIPALITY IN THE MPUMALANGA PROVINCE.	PWRT/2529/23/MP	21 July 2023	21 October 2023	21 January 2024

15.	OFFICE ACCOMMODATION FOR THE DEPARTMENT OF CULTURE, SPORT AND RECREATION AT NELSPRUIT EHLANZENI DISTRICT FOR A PERIOD OF THREE YEARS.	PWRT/2534/23/MP	26 July 2023	26 October 2023	26 January 2024
16.	CONSTRUCTION OF GODIDE SECONDARY SCHOOL, IN ROLLE VILLAGE, BUSHBUCKRIDGE LOCAL MUNICIPALITY, MPUMALANGA PROVINCE.	PWRT/2530/23/MP	26 July 2023	26 October 2023	26 January 2024
17.	CONSTRUCTION OF A NEW COMMUNITY LIBRARY AT LOUVILLE TOWNSHIP IN NKOMAZI LOCAL MUNICIPALITY, MPUMALANGA PROVINCE.	PWRT/2532/23/MP	26 July 2023	26 October 2023	26 January 2024
18.	DATABASE CALL FOR CONTRACTORS FOR SOLAR POWER HYBRID SYSTEM INSTALLATION, REFURBISHMENT AND MAINTANANCE FOR EDUCATION, HEALTH FACILITES AND OTHER IMMOVABLE GOVERNMENT FACILITIES ON BEHALF OF THE DEPARTMENT OF PUBLIC WORKS, ROADS AND TRANSPORT IN MPUMALANGA PROVINCE FOR A PERIOD OF THREE (3) YEARS	PWRT/2533/23/MP	26 July 2023	26 October 2023	26 January 2024
19.	SUBSTITUTION OF UNSAFE STRUCTURES AND CONSTRUCTION OF NEW FACILITIES AT NDINDINDI PRIMARY SCHOOL, PHASE 1, NDINDINDI VILLAGE, NKOMAZI LOCAL MUNICIPALITY, MPUMALANGA PROVINCE ON BEHALF OF DEPARTMENT OF EDUCATION.	PWRT/2531/23/MP	26 July 2023	26 October 2023	26 January 2024

AWARDED BIDS FOR DEPARTMENT OF AGRICULTURE, RURALDEVELOPMENT, LAND & ENVIRONMENTAL AFFAIRS

NO	BID DESCRIPTION	BID NO	AWARDED BIDDER	BID AMOUNT	SPECIFIC GOALS POINTS
1.	PROVISION OF COMMODITY BASED MENTORSHIP FOR VEGETABLES, LIVESTOCK AND POULTRY IN THE FOUR DISTRICTS FOR	ALA/305/23/MP	GREEN DEVELOPMENT FOUNDATION	RATES	10
			DIGNITY SUPPLY AND PROJECT (PTY) LTD		05

	MPUMALANGA PROVINCE FOR A PERIOD OF 60 MONTHS (5) YEARS		AGRIESY INVESTMENT		10
			BOKAMOSO GLOBAL SOLUTION		10
			FOREK INSTITUTE OF TECHNOLOGY		05
2.	PROVISION OF ACCREDITED AGRICULTURAL FARMER TRAINING IN FINANCIAL MANAGEMENT (FARM MANAGEMENT AND RECORD KEEPING), PROJECT MANAGEMENT, AGRICULTURAL MECHANIZATION, AGRO PROCESSING, AGRICULTURAL MARKETING, MIXED FARMING, CROP AND ANIMAL PRODUCTION NQF LEVEL 2-4 IN THE FOUR DISTRICTS OF THE MPUMALANGA PROVINCE FOR A PERIOD OF 60 MONTHS	ALA/435/23/MP	BOTLE TRAINING AND CONSULTING	RATES	10
			PANGANE AND SONS MACADAMIA VEGETABLES AND STOCK FARMING		10
			MMK SERVICES		05
			MOREKU INVESTMENT HOLDINGS (PTY)LTD JV KUSILE DEVELOPMENT SOLUTIONS (PTY) LTD		05
			AJURI FARM		10
3.	APPOINTMENT OF A PANEL OF SPECIALIST TO ASSIST THE DEPARTMENT OF AGRICULTURE, RURAL DEVELOPMENT, LAND AND ENVIRONMENTAL AFFAIRS IN FACILITATING AND OBTAINING WATER USE LICENCE FOR AGRICULTURAL PROJECTS IN THE MPUMALANGA PROVINCE FOR A PERIOD OF 60 MONTHS (5) YEARS	ALA/562/23/MP	RUKHOMAMO (PTY) LTD	RATES	05
			MOKGADI'S ENVORONMENTAL AND WATER SYSTEMS CC		10
			MONOKA AND SONS TRADING (PTY) LTD		15
			ACMERT TRADING ENTERPRISE		10
			MAMADI AND COMPANY SA (PTY) LTD		10
4.	APPOINTMENT OF SERVICE PROVIDER FOR DRILLING, CLEANING, TESTING, EQUIPPING, RETICULATION AND MAINTENANCE OF BOREHOLES IN MPUMALANGA PROVINCE	ALA/510/23/MP	FUNKWANE TRADING CC JV AGRI ENG CONSULTING (PTY) LTD		0
			BENDREW TRADING CC		12
					08

	FOR A PERIOD OF 60 MONTHS		SIVUTHUMLILO TRADING CC	RATES	
			SIHLE AND WANDY CONSTRUCTION AND TRANSPORT (PTY) LTD		12
			KATLIN CONSTRUCTION CC JV TORAM GROUP (PTY) LTD		08
			PHINGOSHE HOLDINGS (PTY) LTD		08
			NR GROUP (PTY) LTD		12
			SNEAK EMPIRE (PTY) LTD		12
			KHULA ZIKODE GENERAL TRADING		16
			ACMERT TRADING ENTERPRISE		08
			NUNA INVESTMENT PTY LTD		08
			HYDRO EQUIP PTY LTD		08
5.	SUPPLY AND DELIVERY OF DAIRY CATTLE FOR MASIBUYELE ESIBAYENI IN ALL THE FOUR DISTRICTS OF THE MPUMALANGA PROVINCE	ALA/433/23/MP	DYNAMIC STATIONERY DISTRIBUTORS PRIMARY CO-OPERATIVE LIMITED		10
			DDHN HOLDINGS (PTY) LTD		10
6.	ESTABLISHMENT OF TUNNELS AND SHADE NETS AT MPUMALANGA AGRI-MALL (AGRIPARK) IN GOVAN MBEKI LOCAL MUNICIPALITY UNDER GERT SIBANDE DISTRICT OF THE MPUMALANGA PROVINCE	ALA/555/23/MP	MUSA WEALTH HOLDINGS (PTY) LTD	R13 486 439.60	04
7.	SOFTWARE DEVELOPMENT FOR VETERINARY SERVICES FOR MPUMALANGA PROVINCE FOR A PERIOD OF 60 MONTHS (5) YEARS.	ALA/546/23/MP	NKGUBELA TECHNOLOGIES CC T/A NQUBELA TECHNOLOGIES	R41 788 757.50	05
8.	APPOINTMENT OF A CREDIBLE, CAPABLE & EXPERIENCED AGRIHUB	ALA/568/23/MP	PHAMBILI NGOMBONO (PTY) LTD	RATES	05

	OPERATOR TO OPERATE & MANAGE MKHUHLU AGRIHUB, SOURCE, SUPPLY AND DELIVER FOOD ITEMS AND FRESH PRODUCE TO THE GOVERNMENT NUTRITION PROGRAMME (GNP) IN THE MPUMALANGA PROVINCE ON BEHALF OF THE DEPARTMENT OF THE AGRICULTURE, RURAL DEVELOPMENT, LAND AND ENVIRONMENTAL AFFAIRS FOR A PERIOD OF FIVE (5) YEARS				
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N O	BID NUMBER	BID DESCRIPTION	AWARDED BIDDER	BID AMOUNT	SPECIFIC GOALS POINTS
1	ALA/569/23/MP	CALL FOR EXPRESSION OF INTEREST FOR THE REVITALIZATION OF SANTEEKO TEA ESTATE UNDER THE CITY OF MBOMBELA LOCAL MUNICIPALITY IN EHLANZENI DISTRICT.	INKUZI HEALTH MANAGEMENT (PTY) LTD	RATES	4
2	ALA/572/23/MP	CONSTRUCTION OF 2 X 15000 POULTRY LAYER HOUSE FOR EGGSELLENT BY LEBO PROJECT IN THEMBISILE HANI MUNICIPALITY OF THE NKANGALA DISTRICT OF THE MPUMALANGA PROVINCE	PRAXOS 215 CC JV EMPIRE MARQUEEN (PTY) LTD	R20 540 905.55	12
3	ALA/573/23/MP	CONSTRUCTION OF POULTRY ABATTOIR FOR NKANYEZI FARM IN CHIEF ALBERT LOCAL MUNICIPALITY IN GERT SIBANDE DISTRICT OF MPUMALANGA PROVINCE	PK FINANCIAL CONSULTANTS CC	R31 467 339.85	8

AWARDED BIDS FOR THE DEPARTMENT OF HUMAN SETTLEMENT

NO	BID NUMBER	BID DESCRIPTION	SUCCESSFUL WINNING BIDDER(S)	TENDER AMOUNT
01	DHS/123/22/MP	APPOINTMENT OF PROFESSIONAL SERVICE PROVIDER(S) FOR THE PROVISIONING OF LEGAL CONVEYANCING SERVICES FOR THE PERIOD OF THREE (03) YEARS IN ALL MUNICIPALITIES ALL DISTRICTS OF MPUMALANGA PROVINCE.	<ol style="list-style-type: none"> 1. BV MBUNGELA ATTORNEYS 2. C MABUNDA INC 3. CHESLEY MNISI 4. KGOMO AD NSIBANDE 5. L GUZANA INC ATTORNEYS 6. LL MNGXASO AND ASSOCIATES 7. MADONSELA MTHUNZI ATTORNEYS 8. MAKWAKWA MR ATTORNEYS INC 	AS PER THE NEGOTIATED RATES

			<ul style="list-style-type: none"> 9. MAPHANGA AND ESSA INC 10. MARIVATE ATTORNEYS INCORPORATED 11. MATSANE AND NGENO MTETO JV 12. MNISI NYEMBE 13. NP MADONSELA ATTORNEYS 14. P MASHELE ATTORNEY INC 15. PHELEPE NEMASISI JV MOKETE 16. SINGWANE AND PARTNERS 17. THOBELA ATTORNEYS INC 18. WDT ATTORNEYS INC 19. YETHU LUSHABA AND JF SHABANGU 20. ZWANE WAKA SAMBO INC 	
02	DHS/125/22/MP	APPOINTMENT OF A SERVICE PROVIDER(S) FOR SUPPLY AND DELIVERY OF STATIONERY FOR THE DEPARTMENT OF HUMAN SETTLEMENTS FOR A PERIOD OF THREE (03) YEARS.	<ul style="list-style-type: none"> 1. 1214 PROJECTS 2. AMANYANDZENI 3. AMIWARE 4. AUPAS TRADING 5. BILLY MOETI CLEANING AND CONSTRUCTION 6. BRAVOSAT 184 7. CHRISHINE INVESTMENTS AND PROJECTS 8. DONCOR TRADING 9. FH MOKOENA 001 10. FLOTENK FX TRADERS 11. GLOBAL NS INVESTMENT 12. I AND U GENERAL TRADING 13. JANE JOICE GENERAL TRADING 14. MAPATENG TRADING 15. MASOTJA COMMUNICATION AND MORDECAI CC 16. MBIYI TRADING 17. MFANAFUTHI INVESTMENTS 18. MT GLOBAL 19. MTOTI ASSOCIATES (PTY) LTD 20. NBS SOLUTIONS 21. NKALABUSI PROPERTIES (PTY) LTD 22. NKOSI TECH SOLUTIONS 23. NOBLE AFRICA PROJECTS 	AS PER THE NEGOTIATED RATES

			<p>24. NTSWALE PROJECT KANDWANDWE (PTY) LTD</p> <p>25. PHANDASI (PTY) LTD</p> <p>26. PHELEMBE INVESTMENTS GROUP</p> <p>27. REBONEKATLEGO TRADING ENTERPRISE</p> <p>28. SENERAID MAYIBUYE TRADING</p> <p>29. SKM TERRESTRIAL SOLUTIONS</p> <p>30. TINONGO TRADING ENTERPRISE</p> <p>31. UMFAZI OMNYAMA WOMANS TRADING CONSORTIUM</p> <p>32. VHANOR PROJECTS</p> <p>33. VIVID HORIZONS</p>	
03	DHS/126/2/MP	APPOINTMENT OF A SERVICE PROVIDER(S) FOR THE DELIVERY OF TOILETRIES AND CLEANING MATERIAL FOR THE DEPARTMENT OF HUMAN SETTLEMENTS FOR A PERIOD OF THREE (03) YEARS.	<p>1. BATHABILE KASETIE TRADING AND PROJECTS</p> <p>2. BHUDLU INVESTMENTS</p> <p>3. BRITE IDEAS INVESTMENT</p> <p>4. DIBO TRADING ENTERPRISE</p> <p>5. DINKWE LE DIKGOMO ENTERPRISE</p> <p>6. G-MERV TRADING</p> <p>7. KHULA ZIKODE GENERAL TRADING</p> <p>8. LAZASLORD PROJECTS</p> <p>9. LIKOSASA LETHU OHS INVESTMENTS AND PROJECTS</p> <p>10. MAGONSO GENERAL TRADING</p> <p>11. MAUNOS TRADING</p> <p>12. MAZOLMAN AND PARTNERS NETWORK CONSTRUCTION</p> <p>13. MBE PROMOTIONS</p> <p>14. MBLG ENGINEERING AND PROJECTS</p> <p>15. MORDECAI TRADING</p> <p>16. MPUMALANGA PROJECTS (PTY) LTD</p> <p>17. MTHEMBU-KNOWLEDGE</p> <p>18. MTJOPI TRADING</p> <p>19. NATHIB GROUP (PTY) LTD</p> <p>20. NDEKAM HOLDINGS</p> <p>21. NGEZANKHETHU TRADING AND PROJECTS</p> <p>22. NHLANGANISO ENTERPRISE</p>	AS PER THE NEGOTIATED RATES

			<p>23. NR GROUP (PTY) LTD</p> <p>24. SIBONGILE THEMBISILE FLORENCE TRADING</p> <p>25. SIPHOSELANGA BUSINESS ENTERPRISE</p> <p>26. SIYALUNGISA OCCUPATIONAL HYGIENE SERVICES</p> <p>27. STRIVING MIND TRADING 22 CC</p> <p>28. ZAKHOSI TRADING (PTY) LTD</p> <p>29. ZANE SIBA TRADING AND PROJECTS</p>	
04	DHS/127/22/MP	APPOINTMENT OF A SERVICE PROVIDER(S) FOR THE PROVISION OF PRINTING, BRANDING AND PUBLICATION SERVICES FOR THE DEPARTMENT OF HUMAN SETTLEMENTS FOR A PERIOD OF THREE (03) YEARS.	<p>1. BLUESTORM (PTY) LTD T/A PRODUCTION X</p> <p>2. JUST RIGHT INVESTMENT</p> <p>3. MBE PROMOTIONS</p> <p>4. MTJOPI TRADING (PTY) LTD</p> <p>5. NDABASE PRINTING SOLUTIONS</p> <p>6. NETCOM TRADING CC</p> <p>7. NKALABUSI PROPERTIES</p> <p>8. OMTLE (PTY) LTD</p> <p>9. PHANDASI (PTY) LTD</p> <p>10. PRODIPIX 212</p> <p>11. SHERON PRINTERS CC</p>	AS PER THE NEGOTIATED RATES
05	DHS/130/22/MP	APPOINTMENT OF A SERVICE PROVIDER(S) FOR PROVISION OF PROPOSALS FOR THE DESIGN AND INSTALLATION OF A PACKAGED WASTE WATER TREATMENT PLANT IN VARIOUS AREAS WITHIN THE MPUMALANGA PROVINCE.	<p>1. WATER AND WASTEWATER TECHNOLOGY SA (PTY) INVESTMENTS</p> <p>2. LIMGROUP JV MARUNGAPHANDA</p> <p>3. NDK INVESTMENTS</p> <p>4. LIBEKO/NTUNGAN (PTY) LTD</p> <p>5. BUREWA TRADING 8 CC</p> <p>6. DOVECALL PROPERTIES (PTY) LTD</p>	AS PER THE TENDER RATE PROPOSALS
06	DHS/131/22/MP	APPOINTMENT OF A SERVICE PROVIDER(S) FOR APPOINTMENT OF A SERVICE PROVIDER(S) FOR PROVISION OF PROPOSALS FOR THE DESIGN AND INSTALLATION OF A PACKAGED DRINKING WATER TREATMENT PLANT IN VARIOUS AREAS WITHIN THE MPUMALANGA PROVINCE.	<p>1. BUREWA TRADING 84 CC</p> <p>2. DOVECALL PROPERTIES (PTY) LTD</p> <p>3. NDK INVESTMENTS</p> <p>4. WATER AND WASTEWATER TECHNOLOGY SA LTD</p>	AS PER THE TENDER RATE PROPOSALS

07	DHS/147/22/MP	APPOINTMENT OF A MULTI-DISCIPLINARY PROFESSIONAL CONSULTING FIRM TO CONSTITUTE A PROGRAMME/PROJECT MANAGEMENT UNIT (PMU) FOR THE PROVISION OF PROFESSIONAL AND PROJECT MANAGEMENT SERVICES FOR A PERIOD OF THREE (3) YEARS TO THE DEPARTMENT OF HUMAN SETTLEMENTS, MPUMALANGA PROVINCE.	1. ZETHU CONSULTING ENGINEERS	R34 761 029.76
08	DHS/157/22/MP A	APPOINTMENT OF A SERVICE PROVIDER(S) INTO A PANEL OF CREDIBLE CONTRACTORS WITH CIDB GRADING FROM 1GB TO 5GB FOR CONSTRUCTION OF LOW COST GOVERNMENT SUBSIDIZED HOUSING TOP STRUCTURES FOR A PERIOD OF THREE (03) YEARS IN EHLANZENI DISTRICT.	<ol style="list-style-type: none"> 1. ANGITHA TRADING ENTERPRISE 2. BAFATI BHLAKANIPHILE TRADING 3. BASADI CIVIL CONSTRUCTION 4. BASANI-LUKING TRADING 5. BILLY MOETI CLEANING AND CONSTRUCTION 6. FENEKWANE CONSTRUCTION AND PROJECTS JV 7. INGA ASAVELA INVESTMENTS 8. INTOMBI ENGAGUGI TRADING 9. KHULA ZIKODE GENERAL TRADING 10. LWATI V TRADING 11. MGUGWANA INVESTMENT 12. MTJOPI TRADING 13. NDINDIZA TRADING 14. PHABHEREG CONSTRUCTION 15. RHULANI PROJECTS 16. SIYASEBENTA TRADING 17. SONGOMYAMA TRADING CC 18. SUKUMAMFAZI TRADING CC 19. VIENCEE TRADING CC 20. XONGI HLORISA CONSTRUCTION CC 	R139 721 (PER UNIT)
09	DHS/157/22/MP B	APPOINTMENT OF A SERVICE PROVIDER(S) INTO A PANEL OF CREDIBLE CONTRACTORS WITH CIDB GRADING FROM 6GB TO 9GB FOR CONSTRUCTION OF LOW COST GOVERNMENT SUBSIDIZED HOUSING TOP	<ol style="list-style-type: none"> 1. AMANYANZENI 2. AVAX SA 181 3. BAFOREGILE TRADING 4. BENEX TRADING 5. BICS ENGINEERING AND SUPPLY (PTY) LTD 	R139 721 (PER UNIT)

		STRUCTURES FOR A PERIOD OF THREE (03) YEARS IN EHLANZENI DISTRICT.	<ol style="list-style-type: none"> 6. LWAKITHI TRADING 7. MAMPUMI TRADING 8. MBUSI WOMAN PLANT HIRE 9. MPERERE CONSTRUCTION JV MAESH 10. NCOSHANE TRADING 11. NKOLELE PROJECTS 12. NKOMAZI BUSINESS NETWORK 13. PRODIPIX 212 CC 14. SIFISO SIYAFEZEKA TRADING 15. SIPHELELE GENERAL TRADING 15 CC 16. SIVUTHUMLILO TRADING CC 17. SIZAMPILO PROJECTS 18. UMFAZI OMNYAMA WOMANS TRADING CONSORTIUM 19. YELLOW TRAIN TRADING 27 20. YOURTRADE 62 T/A RICHARD CONSTRUCTION 	
10	DHS/158/22/MP A	APPOINTMENT OF A SERVICE PROVIDER(S) INTO A PANEL OF CREDIBLE CONTRACTORS WITH CIDB GRADING FROM 1GB TO 5GB FOR CONSTRUCTION OF LOW COST GOVERNMENT SUBSIDIZED HOUSING TOP STRUCTURES FOR A PERIOD OF THREE (03) YEARS IN NKANGALA DISTRICT.	<ol style="list-style-type: none"> 1. AMAPHIKANKANI CO-OPERATIVE LIMITED 2. CHABEDI TRADINGS 3. CIRCLE SEVEN TRADING 113 CC 4. CWENGISA BUSINESS ENTERPRISE 5. DESJOE TRADING 6. DONALIOUR TRADING 7. GIJANA TRADING AND PROJECTS 8. IBHUDLO HOLDINGS 9. JUST RIGHT INVESTMENT HOLDINGS 10. KOMANE NORTH GROUP 11. LINDOLWAZI TRADING 12. MAMOLATO CONSTRUCTION AND PROJECTS 13. MARU ENGINEERING 14. MORATENG TRADING 15. NTEMA INVESTMENTS 16. QINYANE CONSTRUCTION 17. REBONEKATLEGO TRADING ENTERPRISE 18. SELAHLE AND SONS TRADING 19. SIV CONSULTING ENGINEERS 20. UBUNTU SONKE ENGINEERING 	R139 721 (PER UNIT)

11	DHS/158/22/MP B	APPOINTMENT OF A SERVICE PROVIDER(S) INTO A PANEL OF CREDIBLE CONTRACTORS WITH CIDB GRADING FROM 6GB TO 9GB FOR CONSTRUCTION OF LOW COST GOVERNMENT SUBSIDIZED HOUSING TOP STRUCTURES FOR A PERIOD OF THREE (03) YEARS IN NKANGALA DISTRICT.	<ol style="list-style-type: none"> 1. ASISHIYELANE PROJECTS 2. BUREWA TRADING 84 CC 3. CRANE-FLY TRADING 4. ECOTROOPERS CONSTRUCTION 5. GAP INFRASTRUCTURE CORPORATION 6. KGOTSO MOKONE TRADERS 7. KJM BUSINESS ENTERPRISE 8. MATEKANA SECURITY CONSTRUCTION AND TECHNICAL SERVICES 9. MATLHARHI HANSI TRADING ENTERPRISE 10. MEONDO TRADING 333 JV UMCEBO PROJECTS 11. MOTHEO CONSTRUCTION GROUP 12. ROSPA TRADING 28 CC 13. ROSWIKA PROJECTS 14. SHIRDO TRADING 15. SIHLE PROPERTY DEVELOPERS AND PLANT HIRE 16. SOBHARHUZA (PTY) LTD 17. SUKUYIMANI CONSTRUCTION 18. T AND Z CONSTRUCTION 19. TSSN CARRIERES (PTY) LTD 20. VENLEO GROUP (PTY) LTD 	R139 721 (PER UNIT)
12	DHS/159/22/MP A	APPOINTMENT OF A SERVICE PROVIDER(S) INTO A PANEL OF CREDIBLE CONTRACTORS WITH CIDB GRADING FROM 1GB TO 5GB FOR CONSTRUCTION OF LOW COST GOVERNMENT SUBSIDIZED HOUSING TOP STRUCTURES FOR A PERIOD OF THREE (03) YEARS IN GERT SIBANDE DISTRICT.	<ol style="list-style-type: none"> 1. BLUELANE PROJECTS 2. CHRISHINE INVESTMENTS AND PROPERTIES 3. DIHAPI (PTY) LTD 4. FACIAL TRADING 5. FARAGAMO TRADING 203 CC 6. GAMA – GULA TRADING 7. INTHABI TRADING 8. LUCKY MOLOI TRANSPORT 9. MSHAWUSHILO LIBODWE LASEHOTELA TRADING 10. MT GLOBAL 	R139 721 (PER UNIT)

			<ul style="list-style-type: none"> 11. MZISH TRADING ENTERPRISE 12. NAO75 TRADING 13. NOKWANDA PROJECTS 14. PHANDASI (PTY) LTD 15. SAMMY D INVESTMENTS 16. SIYANONOPHA TRADING 17. SOKZA'S CONSTRUCTION 18. TRAMPUKHO HOLDINGS 19. UMCEBO PROJECTS 20. ZEMANGCE (PTY) LTD 	
13	DHS/159/22/MP B	APPOINTMENT OF A SERVICE PROVIDER(S) INTO A PANEL OF CREDIBLE CONTRACTORS WITH CIDB GRADING FROM 6GB TO 9GB FOR CONSTRUCTION OF LOW COST GOVERNMENT SUBSIDIZED HOUSING TOP STRUCTURES FOR A PERIOD OF THREE (03) YEARS IN GERT SIBANDE DISTRICT.	<ul style="list-style-type: none"> 1. AFRIBIZ BUILDING 2. AREFANE CONSTRUCTION 3. BAMBOO ROCK 1349 4. BRAVOSCAN 160 CC 5. DELU TRADING 6. FORSHAD TRADING AND PROJECTS 7. KHETHA BUILDING CONSTRUCTION AND PROJECTS 8. LAMANJOLO INVESTMENTS 9. LUMFO TRADING 10. MAGOSHI CONSLUTANCY 11. MANODOMA TRADING ENTERPRISE 12. MATHONSI JA CONSTRUCTION 13. MM INDUSTRIES 14. MODA WOMEN PROJECTS 15. MPFUMELELO BUSINESS ENTERPRISE 16. NDLOSIMI COSTRUCTION AND SUPPLIES 17. NOMATIKI TRADING ENTERPRISE 18. PRINCE OF TIDES PROPERTY DEVELOPMENTS 19. SESITFUTFUKILE TRADING AND PROJECTS 20. XJR CONSTRUCTION 	R139 721 (PER UNIT)
14	DHS/193/22/MP	REQUEST FOR APPOINTMENT OF A SERVICE PROVIDER(S) FOR THE PROVISIONING OF EVENTS MANAGEMENT SERVICES FOR THE DEPARTMENT OF HUMAN SETTLEMENTS FOR A	<ul style="list-style-type: none"> 1. AMANYANDZENI 2. DEL-CELO RESTAURANT 3. FORETASTE HOLDINGS 4. GENIUS VIP (PTY) LTD 5. LEHEJEQU TRADING 6. LWATI V TRADING 	AS PER THE NEGOTIATED RATES

		PERIOD OF THREE (03) YEARS.	<ul style="list-style-type: none"> 7. MBE PROMOTIONS 8. MPHATHO NYONI EVENT MANAGEMENT 9. NGHENA ENDLELENI TRADING 10. NGWEKAZI BUSINESS ENTERPRISE 11. TSHEPANG MARKETING 12. UMZIKAZI INVESTMENTS 13. VUPHI CONSTRUCTION AND TRANSPORT 14. WHAT ABOUT US CATERING 15. YOLA GENERAL TRADING (PTY) 	
15	DHS/197/22/MP	APPOINTMENT OF SERVICE PROVIDERS INTO A PANEL OF SERVICE PROVIDERS FOR THE PROVISION OF CONSULTING SERVICES IN RESEARCH AND PROGRAMME EVALUATION PROJECTS UNDER DIFFERENT HUMAN SETTLEMENTS HOUSING PROGRAMMES FOR A PERIOD OF THREE (03) YEARS IN ALL THE MUNICIPALITIES OF ALL THE THREE (03) DISTRICTS OF MPUMALANGA PROVINCE.	<ul style="list-style-type: none"> 1. BOKANG CONSULTING SERVICES 2. KUHLE SOLUTIONS AND DEVELOPMENT 3. TIRAQ ENTERPRISES AND PROJECTS 	AS PER THE NEGOTIATED RATES
16	DHS/207/22/MP	APPOINTMENT OF SERVICE PROVIDERS INTO A PANEL OF COMMUNITY RESOURCE ORGANIZATIONS (CROS) FOR THE IMPLEMENTATION OF THE ENHANCED PEOPLE'S HOUSING PROCESS FOR A PERIOD OF THREE (03) YEARS" (RE-ADVERTISEMENT).	<ul style="list-style-type: none"> 1. AMANYANDZENI 2. BILLY MOETI CLEANING SERVICES AND CONSORTIUM 3. JUST RIGHT INVESTMENT HOLDINGS 4. LEOLISA PROJECTS TRADING 5. MBHENE TRADING 6. MORATENG TRADING JV CC GROUP 7. NKOSI CITY DEVELOPMENT 8. SIYAMWETHEMBA CONTRACTORS 9. UMFAZI OMNYAMA WOMAN'S TRADING CONSORTIUM 	AS PER THE DPSA GAZETTED RATES AND HSDG SUBSIDY QUANTUM
17	DHS/215/22/MP	APPOINTMENT OF A SERVICE PROVIDER(S) FOR THE IMPLEMENTATION OF BULK INFRASTRUCTURE (MECHANICAL AND ELECTRICAL) FOR PHOLA / IRAQ SETTLEMENT IN EMALAHLENI LOCAL	<ul style="list-style-type: none"> 1. WASTE AND WASTE WATER 	AS PER THE DPSA/STATUTORY COUNCIL'S PROFESSIONAL RATES

		MUNICIPALITY IN MPUMALANGA PROVINCE.		
18	DHS/217/22/MP	APPOINTMENT OF ACCREDITED ASBESTOS INSPECTION AUTHORITIES (AIA) INTO A PANEL FOR AN AUDIT, ASSESSMENT AND COMPLIANCE MONITORING OF ASBESTOS REMOVAL IN THE THREE (03) DISTRICTS IN MPUMALANGA PROVINCE, FOR A PERIOD OF THREE (03) YEARS.	<ol style="list-style-type: none"> 1. FOCUSED RISK AND TRAINING SERVICE 2. LOBELUNGU (PTY) LTD 3. OMOGAU SHEQ SOLUTIONS 	AS PER THE DPSA RATES AND DEPARTMENT OF EMPLOYMENT AND LABOUR
19	DHS/218/22/MP	APPOINTMENT OF ACCREDITED SERVICE PROVIDERS (WHO HAVE CIDB GRADE LEVEL 4GB AND ABOVE) INTO A PANEL OF CONTRACTORS FOR THE REMOVAL, DISPOSAL AND REPLACEMENT OF ASBESTOS ROOFED HOUSES IN EHLANZENI DISTRICT MUNICIPALITY FOR A PERIOD OF THREE (03) YEARS.	<ol style="list-style-type: none"> 1. GIJIMO TRADING 2. NTLEMO PROJECTS 3. Ntwaleng Trading 4. PRODIPIX JV BRC STEEL 5. SIZAMPILO PROJECTS JV YANGA ENVIRONMENT 	AS PER THE DPSA RATES AND DEPARTMENT OF EMPLOYMENT AND LABOUR
20	DHS/219/22/MP	APPOINTMENT OF ACCREDITED SERVICE PROVIDERS (WHO HAVE CIDB GRADE LEVEL 4GB AND ABOVE) INTO A PANEL OF CONTRACTORS FOR THE REMOVAL, DISPOSAL AND REPLACEMENT OF ASBESTOS ROOFED HOUSES IN NKANGALA DISTRICT MUNICIPALITY FOR A PERIOD OF THREE (03) YEARS.	<ol style="list-style-type: none"> 1. BUREWA TRADING 2. ROSPA TRADING 28 AND ILANGI COATING JV 3. SIZAMPILO PROJECTS (PTY) LTD JV YANGA ENVIRONMENTAL SERVICES 4. T AND Z CONSTRUCTION 5. TSSN CARRIERS (PTY) LTD 	AS PER THE DPSA RATES AND DEPARTMENT OF EMPLOYMENT AND LABOUR
21	DHS/220/22/MP	APPOINTMENT OF ACCREDITED SERVICE PROVIDERS (WHO HAVE CIDB GRADE LEVEL 4GB AND ABOVE) INTO A PANEL OF CONTRACTORS FOR THE REMOVAL, DISPOSAL AND REPLACEMENT OF ASBESTOS ROOFED HOUSES IN GERT SIBANDE DISTRICT MUNICIPALITY FOR A PERIOD OF THREE (03) YEARS.	<ol style="list-style-type: none"> 1. DRIZIT TECHNOLOGIES 2. LUPHUYANE LOGISTICS 3. MAGICITA PROJECTS 4. T AND Z CONSTRUCTION 5. TSSN CARRIERS (PTY) LTD 	AS PER THE DPSA RATES AND DEPARTMENT OF EMPLOYMENT AND LABOUR

NOTICE TO ALL PROSPECTIVE SUPPLIERS

1. Finally Tender Closures at Elukwatini

To all prospective suppliers be informed that with effect from July 2020 the Elukwatini satellite office will open and close tenders. This is a progressive intervention by the Provincial Treasury to reduce cost of doing business for suppliers. As this service is introduced suppliers/tenders will no longer be required to go to the Nelspruit offices to deposit their tender documents instead this will be done at the Elukwatini office.

2. Help Desk on 30 days payment

It is law that all suppliers/service providers must be paid within 30 days after receipt of an invoice. In order to ensure compliance the Provincial Treasury is introducing a Help Desk to record complaints of non-payment of suppliers/service providers after invoices were submitted to departments, public entities and municipalities. Service providers must report the fact that they have not been paid after having submitted invoices to all government institutions. In order to lodge complaints the following should be done;

- Send an e-mail to **payme@mpg.gov.za** indicating naming the institution where work was done, period work done, describing the type of work. You can as well e-mail a copy of the invoice.

- Call toll free number 0800 0066 57. This is a government free number to report the non-payment of services done indicating the institution where work was done, period work done, describing the type of work.

PLEASE NOTE THAT THE HELP DESK HAS BEEN OPERATIONAL FROM THE 01 July 2016!!!!!!!!!!

General Notice to suppliers:

DO NOT THROW AWAY RECEIPTS FOR TENDER DOCUMENTS

SBSA Enterprise Development Finance Solution



Standard Bank **IT CAN BE..**

Do you have a purchase order or contract with Mpumalanga Provincial Government Department, and you need finance to start or complete your project?

Then this solution is for you!!



How it works

Standard Bank has a credit line that is specifically earmarked for **Small and Medium Enterprise (SMMEs)** who have been awarded purchase orders by Mpumalanga provincial departments.

Standard Bank have appointed **J & R Accountants** to assist contractors with completing and submitting an application to Standard Bank.

SMME's with a valid purchase order from **Mpumalanga Provincial Government Department** can contact J & R Accountants to start the application process.

Documents you need:

1. Valid Contract/purchase order
2. Quotations (including delivery costs) from suppliers
3. Company registration documents
4. Original identity documents of directors
5. Central Supplier Database (CSD) report not older than three (3) months
6. Sworn affidavit/B-BBEE certificate
7. Tax compliance status PIN
8. Company profile
9. Proof of address for the company directors
10. Bank confirmation letter for the company

11. Annual financial statements and cash flow projections, if it's a contract above R500k
12. Implementation plan/milestone signed by the Department, if it's a contract above R500k.

Note: J & R Accountants will help you organize the above information, if you don't have any of them.

To start the application process call:

J & R Accountants

Tel: 015 295 9903 or visit the nearest Standard Bank Branch and see a business manager to discuss your contract requirements.

Email: finance@jandraccountants.co.za or enterprisedevelopment@standardbank.co.za

Where to find support and information

Business entities can seek assistance from institutions indicated

REGISTRATION FOR VALUE ADDED TAX (VAT)

Any Business Entity doing business with Government must register for Value Added Tax (VAT).

Government will not do business with an entity that does not comply with this requirement.

South African Revenue Services (SARS)

Private Bag 11294
Mbombela
1200

Telephone Number:
(013) 759 4351

REGISTRATION OF BUSINESS ENTITIES

Companies and Intellectual Property Commission (CIPC)

(A member of the Department of Trade and Industry)

P.O. BOX 429

Pretoria

0001

Telephone Number: (012) 394 9973

Email: info@cipc.co.za

BUSINESS OPPORTUNITIES

Information on available business opportunities and other business support services, particularly for the small business sector and Co-operatives, can be sought from the Enterprise Development Directorate, at the Department of Economic Development, Environment and Tourism. The contact details are as follows:

**Enterprise Development Directorate
Department of Economic Development,
Environment and Tourism**

Private Bag X11215

Mbombela

1200

Telephone Numbers: (013) 766 4482 / 4443/
4803 / 4812 / 4813 or 4831

FUNDING

MPUMALANGA ECONOMIC GROWTH AGENCY

P O Box 5838

Mbombela

1200

Telephone number: (013) 755 1731

Or regional offices: (013) 752 6413

Witbank: (013) 656 3231

Secunda: (017) 634 8458

KHULA ENTERPRISE FINANCE LIMITED

P O Box 28423

Sunnyside

0132

Telephone number: (012) 394 5901

Mbombela: (013) 755 2370

NATIONAL YOUTH DEVELOPMENT AGENCY

Shop no 8 Nedbank Centre

30 Brown Street, Mbombela, 1200

Telephone number: (013) 756 0100

SMALL ENTERPRISE FINANCE AGENCY

P O BOX 138

MBOMBELA

1200

Mbombela Branch:

Tel: (013) 755 2370

CIDB

For Construction and Industry Development Board (CIDB) grading and registration related enquiries, please contact the CIDB office on the numbers indicated below, or visit their website for more information:

Mbombela Offices:

086 1678 222

Mbombela, 30 Brown Street
Nedbank Building, 9th Floor
(with Public Works)

Pretoria Head Office:

Tel: 012 482 7200

Fax: 011 252 6944

Fraudline: 0800 112432

Registers Call Centre:

0860 103 353

Website:

www.cidb.org.za



**Break Down
The Walls
Of Corruption**

***THE ANTI-CORRUPTION
TOLL FREE NUMBER:
080 070 1701***

DRAWING NUMBER	DRAWING TITLE	REVISION	ISSUED FOR
SEWER - 001	DRAWING LIST	01	CONSTRUCTION
SEWER - 100	SEWER RETICULATION MASTER LAYOUT PLAN	01	CONSTRUCTION
SEWER - 101	SEWER RETICULATION MASTER LAYOUT PLAN 1.1	01	CONSTRUCTION
SEWER - 102	SEWER RETICULATION MASTER LAYOUT PLAN 1.2	01	CONSTRUCTION
SEWER - 103	SEWER RETICULATION MASTER LAYOUT PLAN 1.3	01	CONSTRUCTION
SEWER - 104	SEWER RETICULATION MASTER LAYOUT PLAN 1.4	01	CONSTRUCTION
SEWER - 105	SEWER RETICULATION MASTER LAYOUT PLAN 1.5	01	CONSTRUCTION
SEWER - 106	SEWER RETICULATION MASTER LAYOUT PLAN 1.6	01	CONSTRUCTION

DRAWING NUMBER	DRAWING TITLE	REVISION	ISSUED FOR
SEWER - 107	SEWER RETICULATION MASTER LAYOUT PLAN 1.7	01	CONSTRUCTION
SEWER - 108	SEWER RETICULATION MASTER LAYOUT PLAN 1.8	01	CONSTRUCTION
SEWER - 109	SEWER LONGITUDINAL SECTION 01	01	CONSTRUCTION
SEWER - 110	SEWER LONGITUDINAL SECTION 02	01	CONSTRUCTION
SEWER - 111	SEWER LONGITUDINAL SECTION 03	01	CONSTRUCTION
SEWER - 125	SEWER DETAILS 01	01	CONSTRUCTION
SEWER - 126	SEWER DETAILS 02	01	CONSTRUCTION
SEWER - 127	SEWER DETAILS 03	01	CONSTRUCTION

No	Description	Date	By

REVISIONS

Approved by		Date	
Drawn T. Sondayi	Designed A.M.		
Checked A.M.	Engineer T. Sondayi		
Client App.	Date 20 Apr. 2020		

Scale: As shown

FT CONSULTANTS PTY LTD
7 Emke Street
Nelspruit
1200

Title
**KINROSS EXT 33 SEWER
RETICULATION -DRAWING LIST**

CIVIL SEWER DRAWINGS

Project No
KINROSS - DL - 001

Drawing No
SEWER 001
Rev No **00**

1:1	1:1	1:1
1:1	1:1	1:1
1:1	1:1	1:1



LEGEND:

	Cadastral Boundary
	Proposed Sewerline
	Sewer Manhole
	200mm Sewer uPVC Pipe
	Contour Line

No	Description	Date	By
00	Issued for Council Approval	08 Dec 2021	TS

REVISIONS

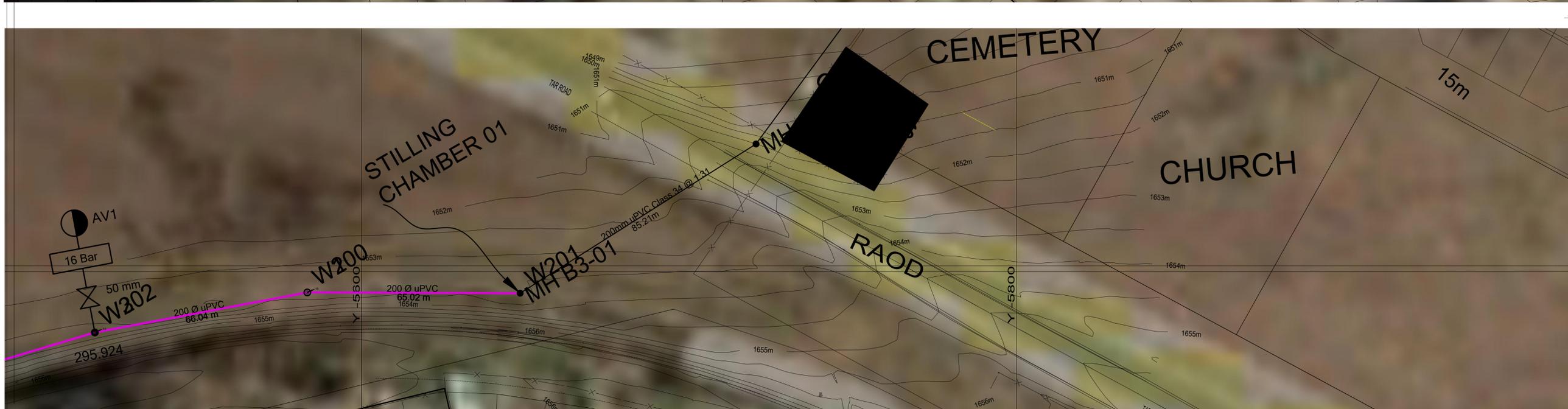
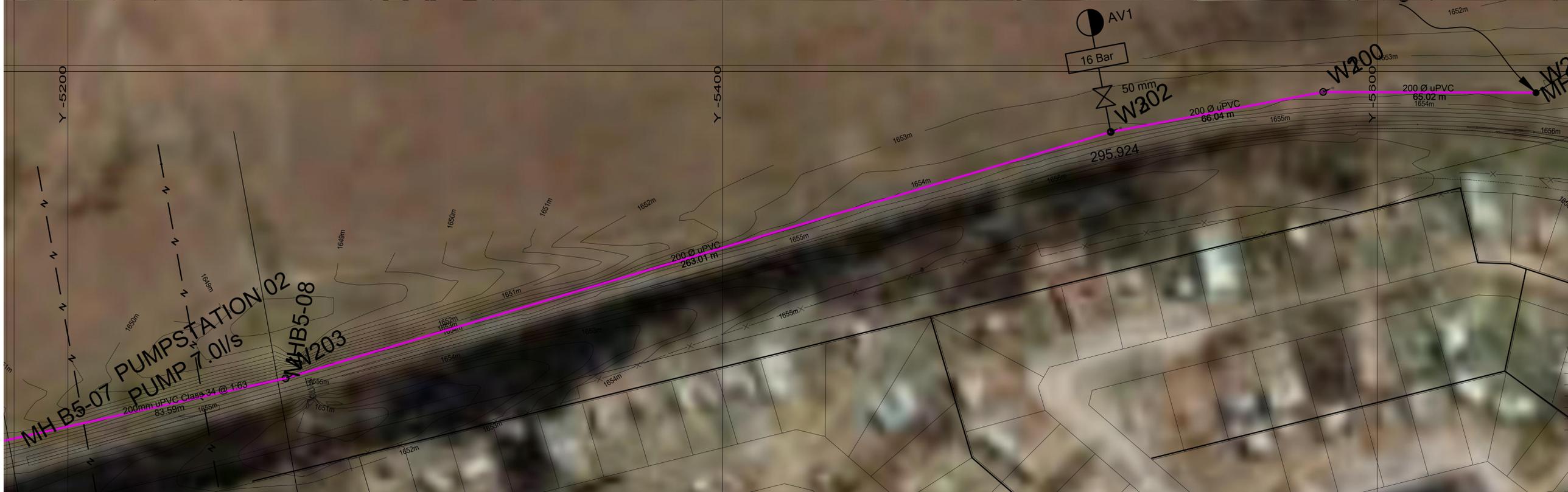
Approved by	Date
Drawn T Sondayi	Designed A.M
Checked A.M	Engineer T - Sondayi
Client App.	Date 08 Dec. 2021



No. 7 Ehme Steet
Nelspruit 1200
Tel: +27(078) 986 1380

Title
KINROSS BULK SEWER
RETICULATION -
SEWER RETICULATION MASTER
LAYOUT PLAN & COORDINATE DATA
LIST.

CIVIL SEWER DRAWINGS	
Project No	KINROSS BULK-SEWER-001
Drawing No	SEWER 100
Rev No	00



LEGEND:

	Cadastral Boundary
	Proposed Sewerline
	Sewer Manhole
	200mm Sewer uPVC Pipe
	Contour Line

No	Description	Date	By
00	Issued for Council Approval	08 Dec 2021	TS

REVISIONS

Approved by	Date
Drawn T Sondayi	Designed A.M
Checked A.M	Engineer T - Sondayi
Client App.	Date 08 Dec. 2021



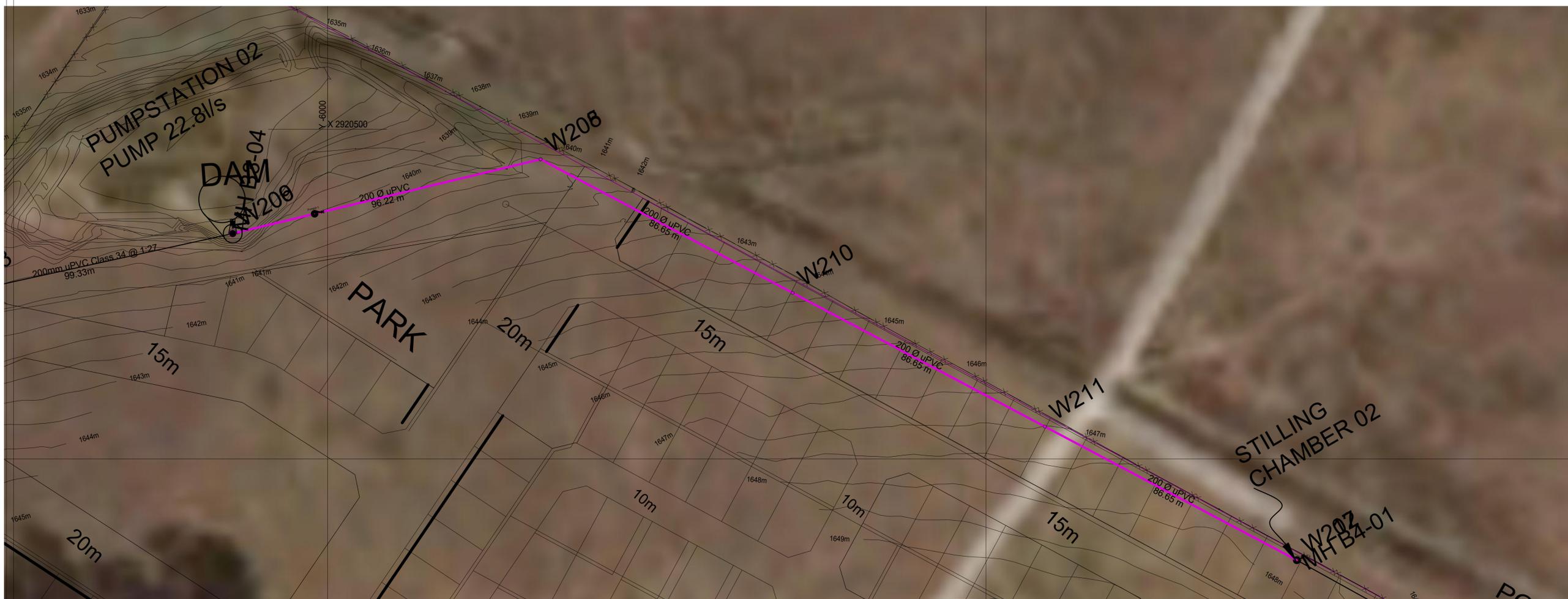
No. 7 Ehme Steet
Nelspruit 1200
Tel: +27(078) 986 1380

Title
KINROSS BULK SEWER
RETICULATION -
SEWER RETICULATION MASTER
LAYOUT PLAN 1.1

CIVIL SEWER DRAWINGS

Project No
KINROSS BULK-SEWER-001

Drawing No
SEWER 101
Rev No. 00



LEGEND:

	Cadastral Boundary
	Proposed Sewerline
	Sewer Manhole
	200mm Sewer uPVC Pipe
	Contour Line

No	Description	Date	By
00	Issued for Council Approval	08 Dec 2021	TS

REVISIONS

Approved by	Date
Drawn T Sondayi	Designed A.M
Checked A.M	Engineer T - Sondayi
Client App.	Date 08 Dec. 2021



No. 7 Ehme Steet
Nelspruit 1200
Tel: +27(078) 986 1380

Title
KINROSS BULK SEWER
RETICULATION -
SEWER RETICULATION MASTER
LAYOUT PLAN 1.2

CIVIL SEWER DRAWINGS

Project No
KINROSS BULK-SEWER-001

Drawing No
SEWER 102
Rev No. 00



LEGEND:

	Cadastral Boundary
	Proposed Sewerline
	Sewer Manhole
	200mm Sewer uPVC Pipe
	Contour Line

No	Description	Date	By
00	Issued for Council Approval	08 Dec 2021	TS

REVISIONS

Approved by	Date
Drawn T - Sundayi	Designed A.M
Checked A.M	Engineer T - Sundayi
Client App.	Date 08 Dec. 2021



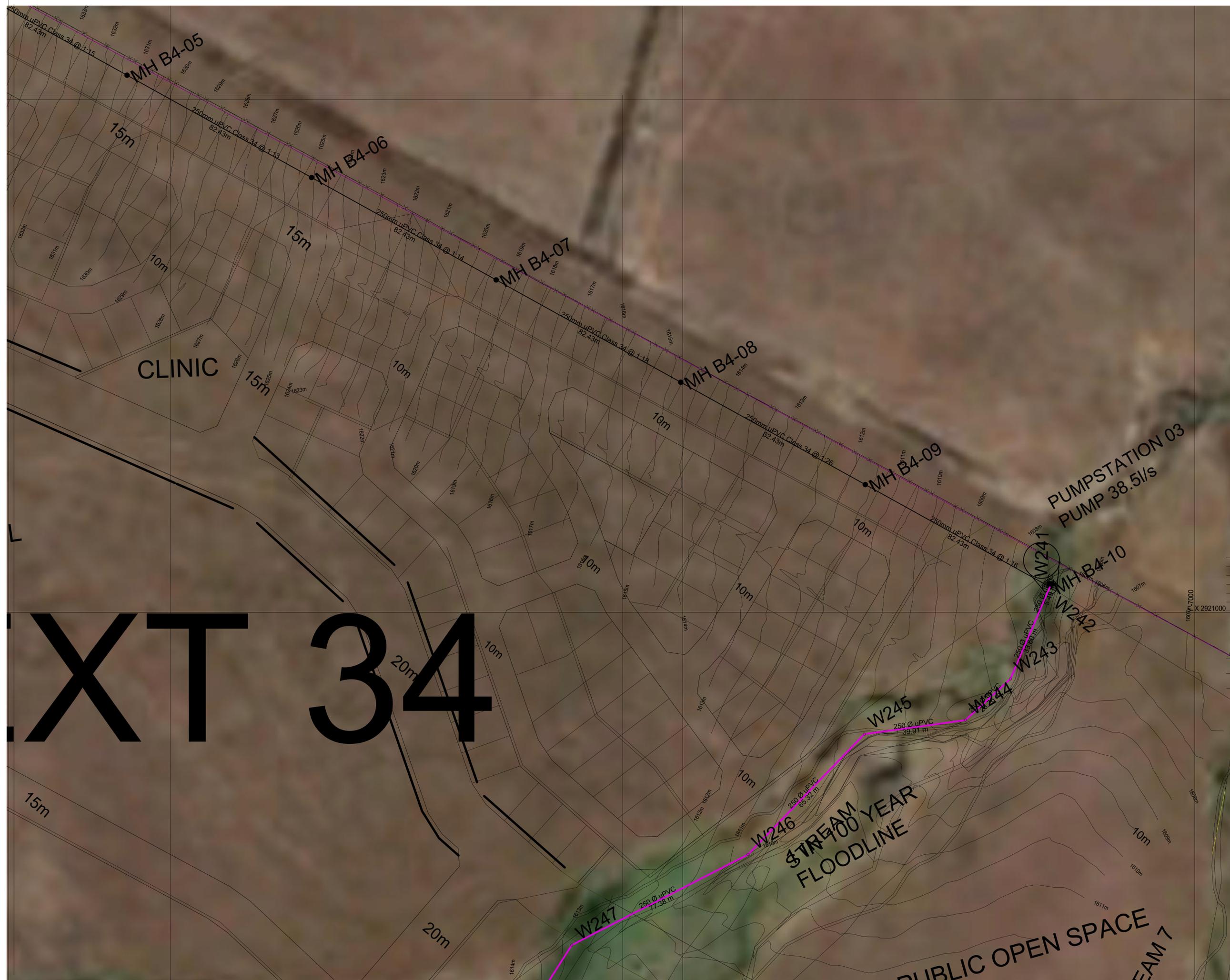
No. 7 Ehme Steet
Nelspruit 1200
Tel: +27(078) 986 1380

Title
KINROSS BULK SEWER
RETICULATION -
SEWER RETICULATION MASTER
LAYOUT PLAN 1.3

CIVIL SEWER DRAWINGS

Project No
KINROSS BULK-SEWER-001

Drawing No
SEWER 103
Rev No. 00



LEGEND:

	Cadastral Boundary
	Proposed Sewerline
	Sewer Manhole
	200mm Sewer uPVC Pipe
	Contour Line

No	Description	Date	By
00	Issued for Council Approval	08 Dec 2021	TS

REVISIONS

Approved by	Date
Drawn T. Sondayi	Designed A.M
Checked A.M	Engineer T. Sondayi
Client App.	Date 08 Dec. 2021



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Nelspruit 1200
Tel: +27(078) 986 1380

Title
KINROSS BULK SEWER
RETICULATION -
SEWER RETICULATION MASTER
LAYOUT PLAN 1.4

CIVIL SEWER DRAWINGS

Project No
KINROSS BULK-SEWER-001

Drawing No
SEWER 104
Rev No. 00

EXT 34



LEGEND:

	Cadastral Boundary
	Proposed Sewerline
	Sewer Manhole
	200mm Sewer uPVC Pipe
	Contour Line

No	Description	Date	By
00	Issued for Council Approval	08 Dec 2021	TS

REVISIONS

Approved by	Date
Drawn T. Sundayi	Designed A.M.
Checked A.M.	Engineer T. Sundayi
Client App.	Date 08 Dec. 2021



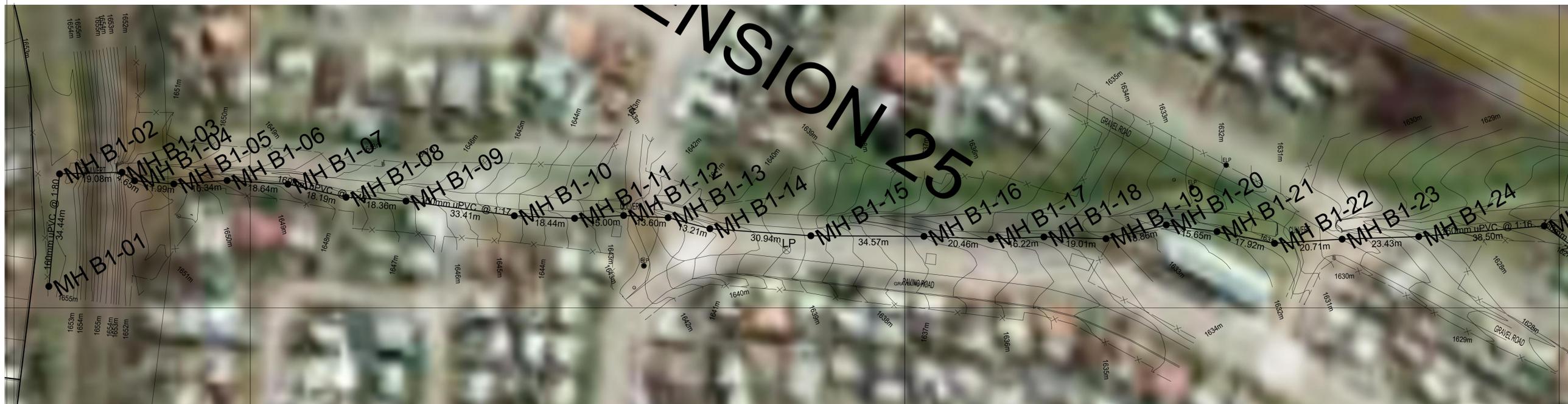
No. 7 Ehme Steet
Nelspruit 1200
Tel: +27(078) 986 1380

Title
KINROSS BULK SEWER
RETICULATION -
SEWER RETICULATION MASTER
LAYOUT PLAN 1.5

CIVIL SEWER DRAWINGS

Project No
KINROSS BULK-SEWER-001

Drawing No
SEWER 105
Rev No. 00



LEGEND:

	Cadastral Boundary
	Proposed Sewerline
	Sewer Manhole
	200mm Sewer uPVC Pipe
	Contour Line

No	Description	Date	By
00	Issued for Council Approval	08 Dec 2021	TS

REVISIONS

Approved by	Date
Drawn T. Sundayi	Designed A.M
Checked A.M	Engineer T. Sundayi
Client App.	Date 08 Dec. 2021

FT Consultants
Civil & Structural Engineers

No. 7 Ehme Steet
Nelspruit 1200

Tel: +27(078) 986 1380

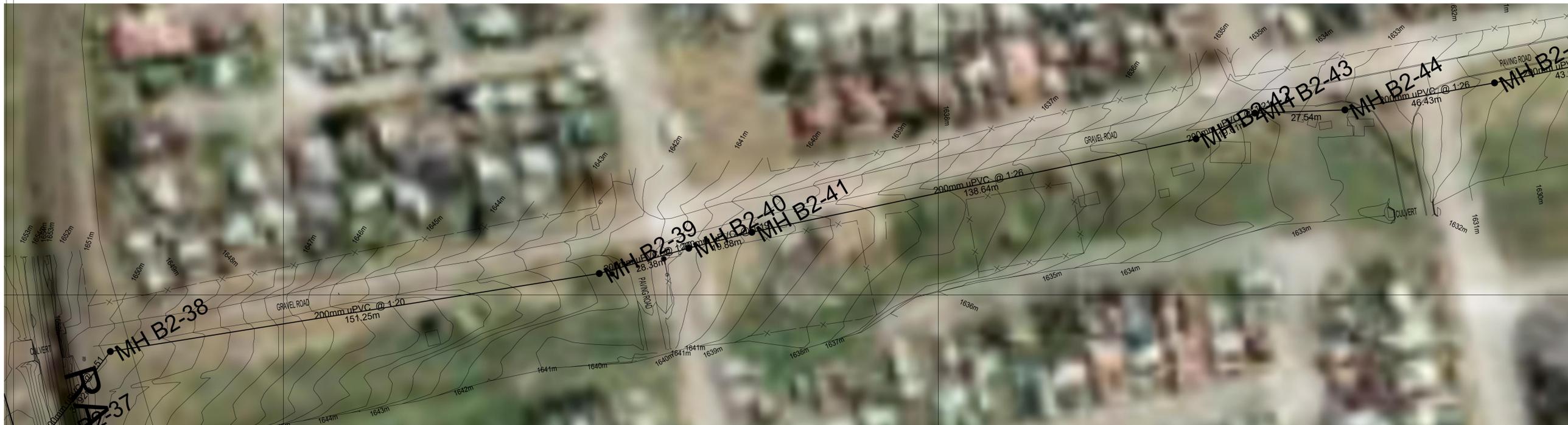
Title
KINROSS BULK SEWER
RETICULATION -
SEWER RETICULATION MASTER
LAYOUT PLAN 1.6

CIVIL SEWER DRAWINGS

Project No
KINROSS BULK-SEWER-001

Drawing No
SEWER 106

Rev No. 00



LEGEND:

	Cadastral Boundary
	Proposed Sewerline
	Sewer Manhole
	200mm Sewer uPVC Pipe
	Contour Line

No	Description	Date	By
00	Issued for Council Approval	08 Dec 2021	TS

REVISIONS

Approved by	Date
Drawn T. Sondayi	Designed A.M.
Checked A.M.	Engineer T. Sondayi
Client App.	Date 08 Dec. 2021



No. 7 Ehme Steet
Nelspruit 1200
Tel: +27(078) 986 1380

Title
KINROSS BULK SEWER
RETICULATION -
SEWER RETICULATION MASTER
LAYOUT PLAN 1.7

CIVIL SEWER DRAWINGS	
Project No	KINROSS BULK-SEWER-001
Drawing No	SEWER 107
Rev No	00



LEGEND:

	Cadastral Boundary
	Proposed Sewerline
	Sewer Manhole
	200mm Sewer uPVC Pipe
	Contour Line

No	Description	Date	By
00	Issued for Council Approval	08 Dec 2021	TS

REVISIONS

Approved by	Date
Drawn T. Sondayi	Designed A.M.
Checked A.M.	Engineer T. Sondayi
Client App.	Date 08 Dec. 2021



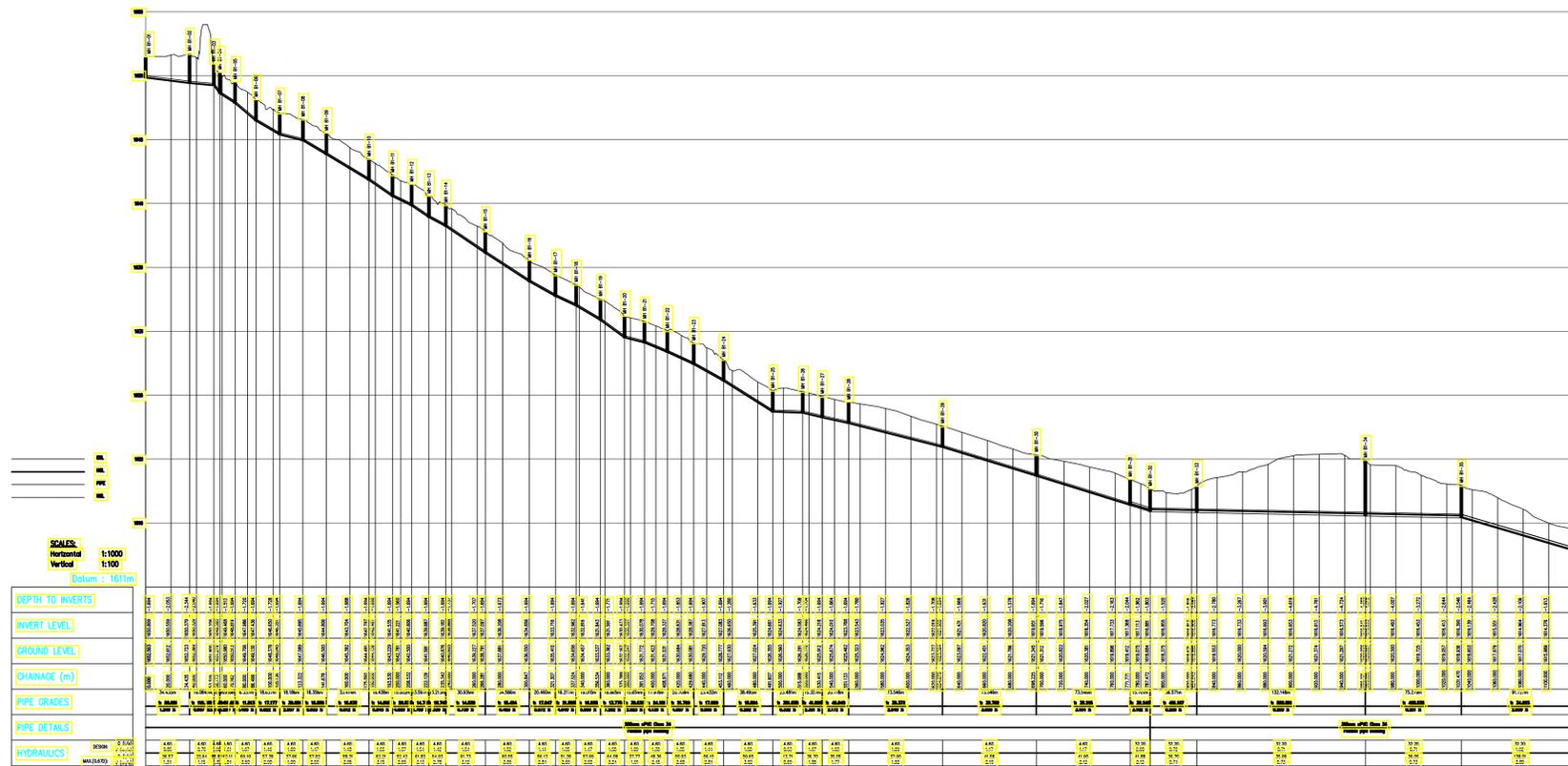
No. 7 Ehme Steet
Nelspruit 1200
Tel: +27(078) 986 1380

Title
**KINROSS BULK SEWER
RETICULATION -
SEWER RETICULATION MASTER
LAYOUT PLAN 1.8**

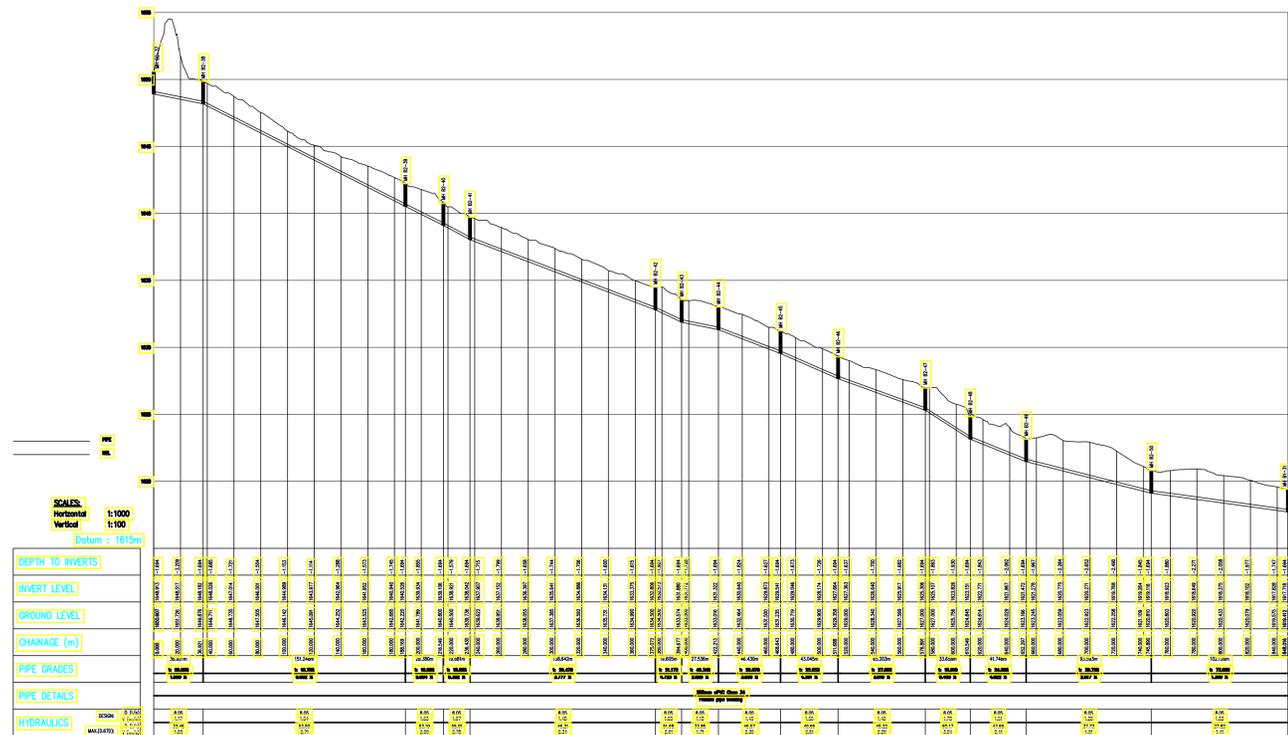
CIVIL SEWER DRAWINGS

Project No
KINROSS BULK-SEWER-001

Drawing No
SEWER 108 Rev No. **00**



MH B1-01 - MH B1-50
Branch: Kinross Bulk Outfall001



MH B2-37 - MH B2-50
Branch: Kinross bulk outfall002

COORDINATE LIST

Lo 29		
Kinross Bulk Outfall		
MH No.	YLo	XLo
Constant:		
MH B1-01	-5938.448	2921193.482
MH B1-02	-5941.714	2921159.202
MH B1-03	-5960.792	2921158.728
MH B1-04	-5964.672	2921161.297
MH B1-05	-5976.620	2921162.284
MH B1-06	-5992.922	2921161.211
MH B1-07	-6011.525	2921162.344
MH B1-08	-6029.269	2921166.330
MH B1-09	-6047.588	2921167.487
MH B1-10	-6080.700	2921171.972
MH B1-11	-6099.121	2921172.751
MH B1-12	-6114.098	2921171.880
MH B1-13	-6127.678	2921172.552
MH B1-14	-6140.458	2921175.911
MH B1-15	-6171.321	2921178.059
MH B1-16	-6205.887	2921178.240
MH B1-17	-6226.329	2921179.089
MH B1-18	-6242.533	2921178.428
MH B1-19	-6261.536	2921178.977
MH B1-20	-6279.923	2921174.765
MH B1-21	-6295.446	2921176.797
MH B1-22	-6313.005	2921180.364
MH B1-23	-6333.674	2921179.090
MH B1-24	-6357.094	2921178.325
MH B1-25	-6395.450	2921175.061
MH B1-26	-6414.528	2921188.751
MH B1-27	-6427.745	2921196.511
MH B1-28	-6445.703	2921206.844
MH B1-29	-6508.915	2921244.437
MH B1-30	-6572.127	2921282.030
MH B1-31	-6635.339	2921319.623
MH B1-32	-6650.591	2921323.350
MH B1-33	-6686.082	2921332.174
MH B1-34	-6803.284	2921393.222
MH B1-35	-6869.492	2921429.046
MH B1-36	-6947.032	2921478.051
MH B2-37	-5924.645	2921646.506
MH B2-38	-5947.131	2921617.222
MH B2-39	-6096.496	2921593.435
MH B2-40	-6123.812	2921585.736
MH B2-41	-6143.088	2921580.865
MH B2-42	-6278.776	2921552.401
MH B2-43	-6296.747	2921544.565
MH B2-44	-6324.266	2921543.584
MH B2-45	-6369.958	2921535.340
MH B2-46	-6412.083	2921526.494
MH B2-47	-6475.871	2921512.984
MH B2-48	-6509.529	2921512.761
MH B2-49	-6546.394	2921493.168
MH B2-50	-6596.309	2921413.996

TOTAL LENGTHS OF PIPING

MH Centre to MH Centre	
Diameter (mm)	Length (m)
315mm uPVC Class 34	335.73
200mm uPVC Class 34	848.02
160mm uPVC Class 34	787.47
Total :	1971.21

PIPE DATA LIST

MH - MH	Distance (m)	Diam. (mm)
MH B1-01 - MH B1-02	34.435	160mm uPVC Class 34
MH B1-02 - MH B1-03	19.084	160mm uPVC Class 34
MH B1-03 - MH B1-04	4.654	160mm uPVC Class 34
MH B1-04 - MH B1-05	11.989	160mm uPVC Class 34
MH B1-05 - MH B1-06	16.337	160mm uPVC Class 34
MH B1-06 - MH B1-07	18.638	160mm uPVC Class 34
MH B1-07 - MH B1-08	18.186	160mm uPVC Class 34
MH B1-08 - MH B1-09	18.356	160mm uPVC Class 34
MH B1-09 - MH B1-10	33.414	160mm uPVC Class 34
MH B1-10 - MH B1-11	18.437	160mm uPVC Class 34
MH B1-11 - MH B1-12	15.002	160mm uPVC Class 34
MH B1-12 - MH B1-13	13.597	160mm uPVC Class 34
MH B1-13 - MH B1-14	13.214	160mm uPVC Class 34
MH B1-14 - MH B1-15	30.938	160mm uPVC Class 34
MH B1-15 - MH B1-16	34.566	160mm uPVC Class 34
MH B1-16 - MH B1-17	20.460	160mm uPVC Class 34
MH B1-17 - MH B1-18	16.217	160mm uPVC Class 34
MH B1-18 - MH B1-19	19.011	160mm uPVC Class 34
MH B1-19 - MH B1-20	18.864	160mm uPVC Class 34
MH B1-20 - MH B1-21	15.655	160mm uPVC Class 34
MH B1-21 - MH B1-22	17.918	160mm uPVC Class 34
MH B1-22 - MH B1-23	20.708	160mm uPVC Class 34
MH B1-23 - MH B1-24	23.432	160mm uPVC Class 34
MH B1-24 - MH B1-25	38.495	160mm uPVC Class 34
MH B1-25 - MH B1-26	23.481	160mm uPVC Class 34
MH B1-26 - MH B1-27	15.327	160mm uPVC Class 34
MH B1-27 - MH B1-28	20.719	160mm uPVC Class 34
MH B1-28 - MH B1-29	73.546	160mm uPVC Class 34
MH B1-29 - MH B1-30	73.546	160mm uPVC Class 34
MH B1-30 - MH B1-31	73.546	160mm uPVC Class 34
MH B1-31 - MH B1-32	15.701	160mm uPVC Class 34
MH B1-32 - MH B1-33	36.572	315mm uPVC Class 34
MH B1-33 - MH B1-34	132.148	315mm uPVC Class 34
MH B1-34 - MH B1-35	75.279	315mm uPVC Class 34
MH B1-35 - MH B1-36	91.727	315mm uPVC Class 34
MH B2-37 - MH B2-38	36.921	200mm uPVC Class 34
MH B2-38 - MH B2-39	151.248	200mm uPVC Class 34
MH B2-39 - MH B2-40	28.380	200mm uPVC Class 34
MH B2-40 - MH B2-41	19.882	200mm uPVC Class 34
MH B2-41 - MH B2-42	138.642	200mm uPVC Class 34
MH B2-42 - MH B2-43	19.605	200mm uPVC Class 34
MH B2-43 - MH B2-44	27.536	200mm uPVC Class 34
MH B2-44 - MH B2-45	46.430	200mm uPVC Class 34
MH B2-45 - MH B2-46	43.045	200mm uPVC Class 34
MH B2-46 - MH B2-47	65.203	200mm uPVC Class 34
MH B2-47 - MH B2-48	33.658	200mm uPVC Class 34
MH B2-48 - MH B2-49	41.749	200mm uPVC Class 34
MH B2-49 - MH B2-50	93.593	200mm uPVC Class 34
MH B2-50 - MH B1-31	102.126	200mm uPVC Class 34

LEGEND:

—	Cadastral Boundary
—●—	Proposed Sewerline
●	MH B01-141
—●—	200mm Sewer uPVC Pipe
—	Contour Line

No	Description	Date	By
00	Issued for Council Approval	08 Dec. 2021	TS

REVISIONS

Approved by	Date
Drawn T Sondayi	Designed A.M
Checked A.M	Engineer T. Sondayi
Client App.	Date 08 Dec. 2021

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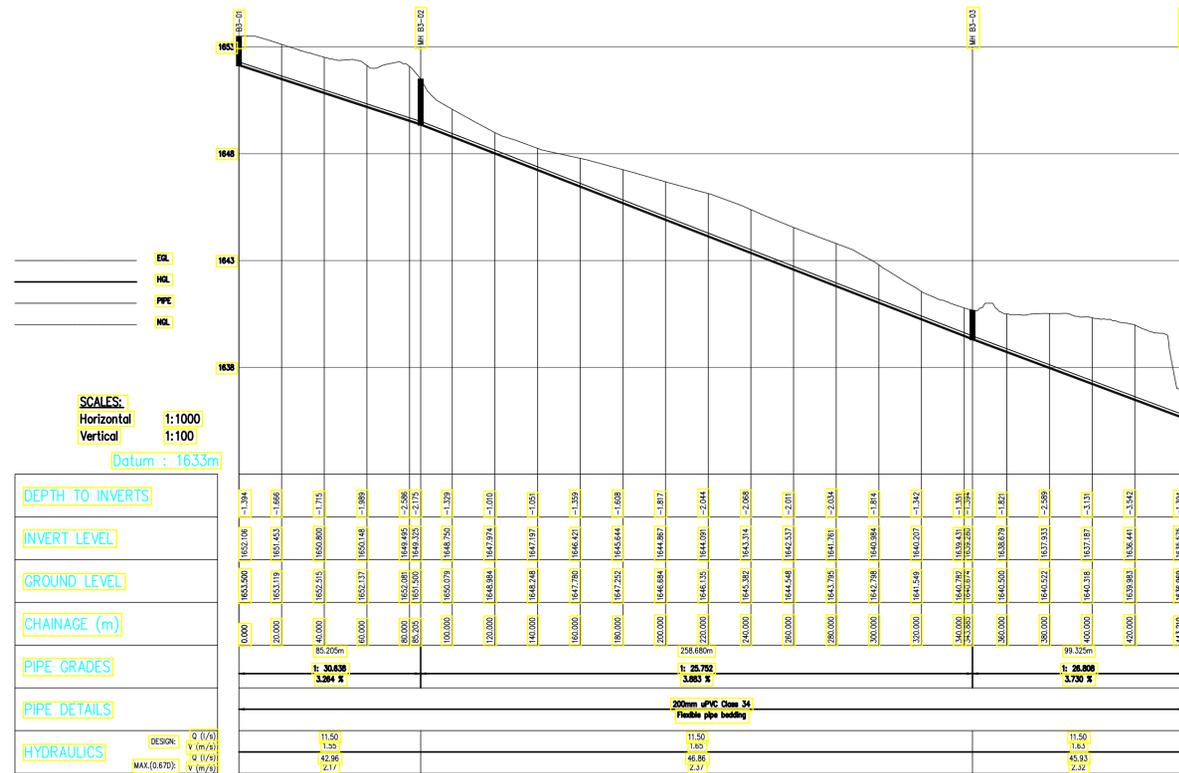
Title

KINROSS EXT 33&34 BULK
SEWER RETICULATION 01 -
SEWER LONGSECTIONS 01

COORDINATE LIST		
Lo 29		
Kinross Bulk Outfall1		
MH No.	YLo	XLo
Constant:		
MH B3-01	-5648.460	2920806.502
MH B3-02	-5720.497	2920760.998
MH B3-03	-5874.155	2920552.901
MH B3-04	-5971.177	2920531.636

PIPE DATA LIST			
MH - MH	Distance	Diam.	
Kinross Bulk Outfall1			
	(m)	(mm)	
MH B3-01 - MH B3-02	85.205	200mm uPVC Class 34	
MH B3-02 - MH B3-03	258.680	200mm uPVC Class 34	
MH B3-03 - MH B3-04	99.325	200mm uPVC Class 34	

TOTAL LENGTHS OF PIPING		
MH Centre to MH Centre		
Diameter (mm)	Length (m)	
200mm uPVC Class 34	443.21	
	Total :	443.21

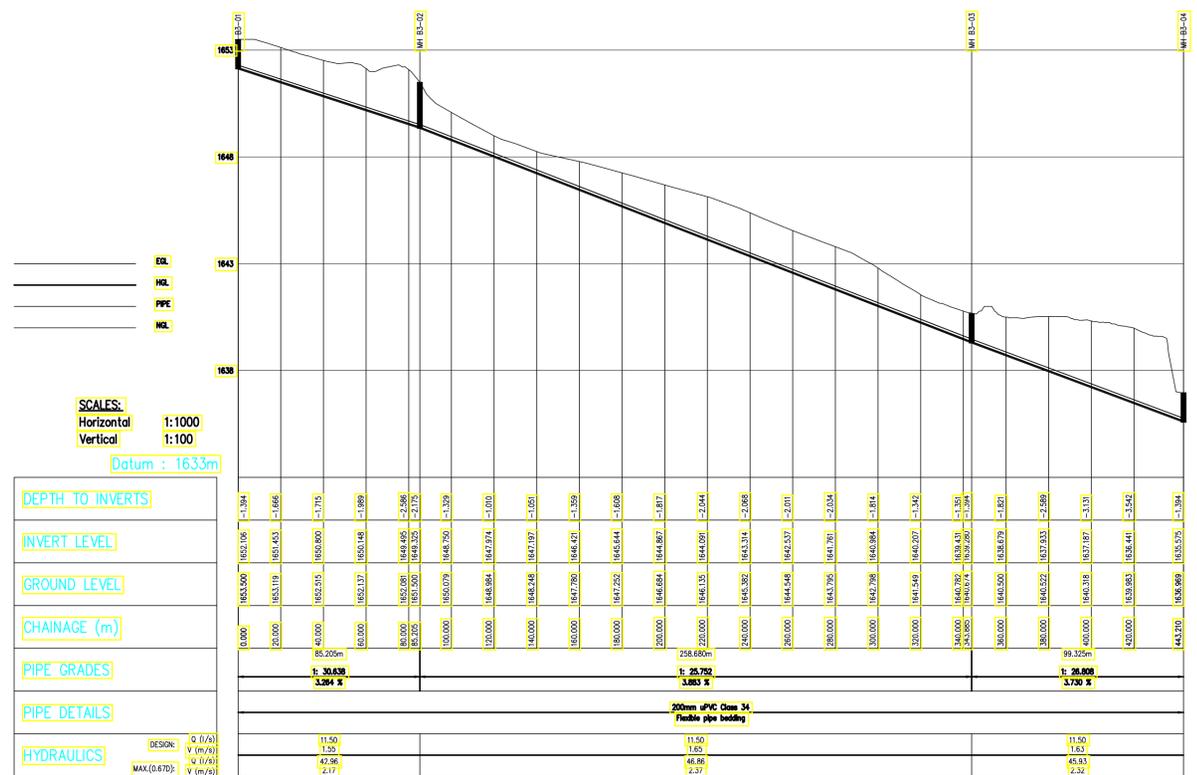


MH B3-01 - MH B3-04
Branch: Kinross Bulk Outfall1003

COORDINATE LIST		
Lo 29		
Kinross Bulk Outfall2		
MH No.	YLo	XLo
Constant:		
MH B4-01	-6294.467	2920630.709
MH B4-02	-6366.574	2920670.641
MH B4-03	-6438.681	2920710.574
MH B4-04	-6510.788	2920750.507
MH B4-05	-6582.894	2920790.440
MH B4-06	-6655.001	2920830.372
MH B4-07	-6727.108	2920870.305
MH B4-08	-6799.214	2920910.238
MH B4-09	-6871.321	2920950.170
MH B4-10	-6943.428	2920990.103

PIPE DATA LIST			
MH - MH	Distance	Diam.	
Kinross Bulk Outfall2			
	(m)	(mm)	
MH B4-01 - MH B4-02	82.426	250mm uPVC Class 34	
MH B4-02 - MH B4-03	82.426	250mm uPVC Class 34	
MH B4-03 - MH B4-04	82.426	250mm uPVC Class 34	
MH B4-04 - MH B4-05	82.426	250mm uPVC Class 34	
MH B4-05 - MH B4-06	82.426	250mm uPVC Class 34	
MH B4-06 - MH B4-07	82.426	250mm uPVC Class 34	
MH B4-07 - MH B4-08	82.426	250mm uPVC Class 34	
MH B4-08 - MH B4-09	82.426	250mm uPVC Class 34	
MH B4-09 - MH B4-10	82.426	250mm uPVC Class 34	

TOTAL LENGTHS OF PIPING		
MH Centre to MH Centre		
Diameter (mm)	Length (m)	
250mm uPVC Class 34	741.83	
	Total :	741.83



MH B4-01 - MH B4-10
Branch: Kinross Bulk Outfall1003

LEGEND:	
	Cadastral Boundary
	Proposed Sewerline
	Sewer Manhole
	200mm Sewer uPVC Pipe
	Contour Line

No	Description	Date	By
00	Issued for Council Approval	08 Dec. 2021	TS

REVISIONS	
Approved by	Date
Drawn T Sondayi	Designed A.M
Checked A.M	Engineer T - Sondayi
Client App.	Date 08 Dec. 2021



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Title
KINROSS EXT 33 & 34 BULK
SEWER RETICULATION 01 -
SEWER LONGSECTIONS 02

CIVIL SEWER DRAWINGS	
Project No	KINROSS BULK-SEWER-001
Drawing No	SEWER 110
Rev No	00

Coordinate List		
Lo 29		
Kinross Bulk Pump1		
Node	YLo	XLo
Const:		
W200	-5 583.440	2 920 806.266
W201	-5 648.460	2 920 806.502
W202	-5 518.544	2 920 818.480
W203	-5 266.510	2 920 893.663
W204	-5 256.525	2 920 925.027

Pipe Data List					
Node	Node	Length (m)	Dia. (mm)	MATERIAL	CLASS
Kinross Bulk Pump1					
W200	W201	65.02	200	uPVC	12
W200	W202	66.04	200	uPVC	12
W202	W203	263.01	200	uPVC	12
W203	W204	32.91	200	uPVC	12

PIPE MATERIAL LIST		
Diameter (mm)	Class	Length (m)
200	12	426.98
Total length :		426.98

Coordinate List		
Lo 29		
Kinross Bulk Pump2		
Node	YLo	XLo
Const:		
W208	-6 064.715	2 920 509.086
W209	-5 971.177	2 920 531.636
W210	-6 141.299	2 920 549.627
W211	-6 217.883	2 920 590.168
W212	-6 294.467	2 920 630.709

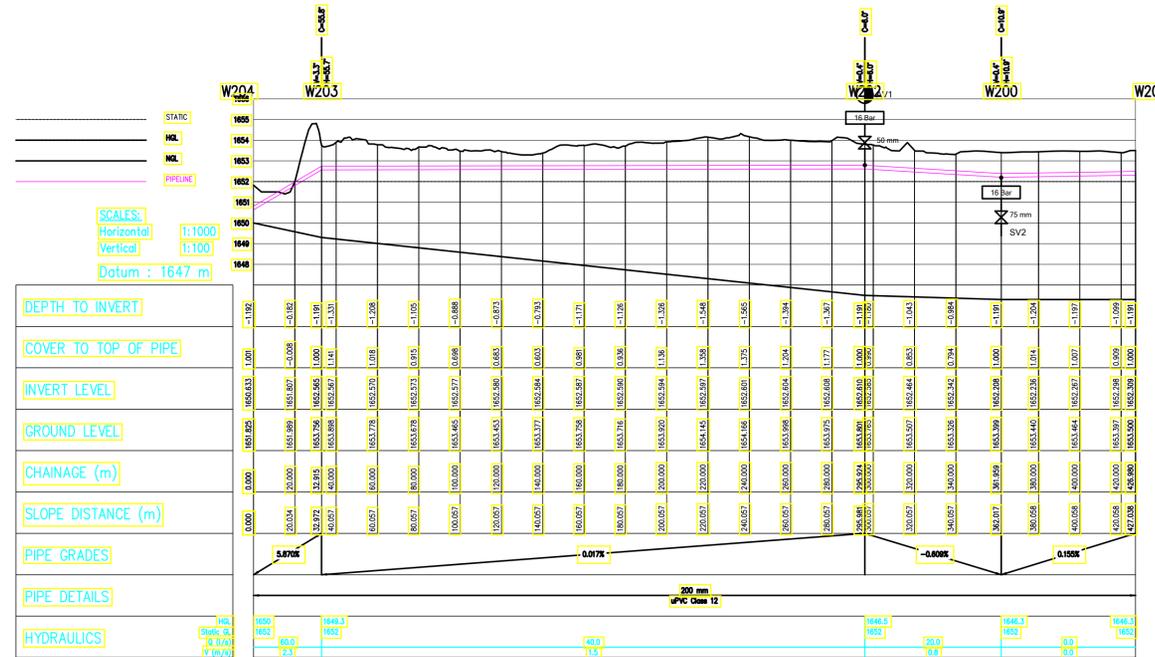
Pipe Data List					
Node	Node	Length (m)	Dia. (mm)	MATERIAL	CLASS
Kinross Bulk Pump2					
W208	W209	96.22	200	uPVC	12
W208	W210	86.65	200	uPVC	12
W210	W211	86.65	200	uPVC	12
W211	W212	86.65	200	uPVC	12

PIPE MATERIAL LIST		
Diameter (mm)	Class	Length (m)
200	12	356.18
Total length :		356.18

Coordinate List		
Lo 29		
kinross bulk pump3-1		
Node	YLo	XLo
Const:		
W241	-6 943.417	2 920 990.112
W242	-6 941.254	2 920 995.157
W243	-6 927.979	2 921 026.026
W244	-6 910.445	2 921 042.054
W245	-6 870.916	2 921 047.572
W246	-6 825.480	2 921 094.502
W247	-6 756.643	2 921 129.844
W248	-6 716.208	2 921 193.104
W249	-6 675.774	2 921 256.363
W250	-6 635.339	2 921 319.623

Pipe Data List					
Node	Node	Length (m)	Dia. (mm)	MATERIAL	CLASS
kinross bulk pump3-1					
W241	W242	5.49	250	uPVC	12
W242	W243	33.60	250	uPVC	12
W243	W244	23.75	250	uPVC	12
W244	W245	39.91	250	uPVC	12
W245	W246	65.32	250	uPVC	12
W246	W247	77.38	250	uPVC	12
W247	W248	75.08	250	uPVC	12
W248	W249	75.08	250	uPVC	12
W249	W250	75.08	250	uPVC	12

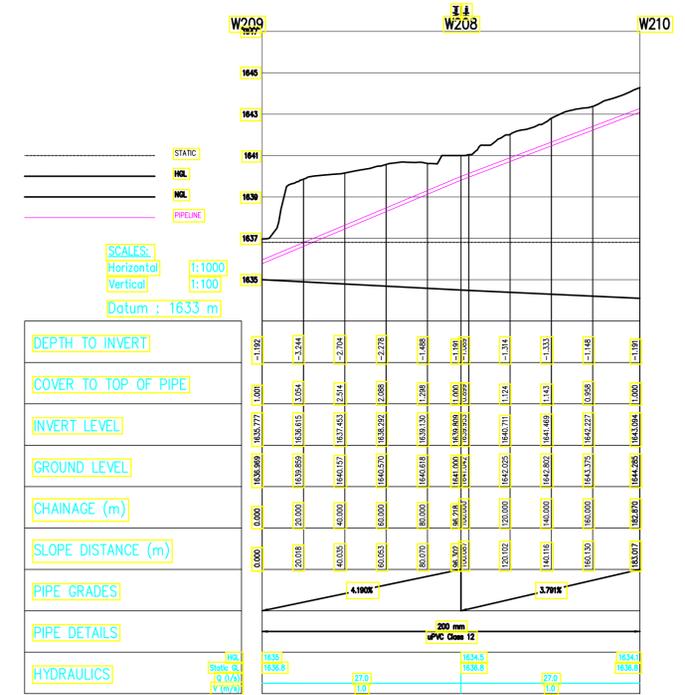
PIPE MATERIAL LIST		
Diameter (mm)	Class	Length (m)
250	12	470.69
Total length :		470.69



Air Valves Schedule				
No	Diameter (mm)	Pressure (Bar)	Model	Description
1	50	16	AV1	

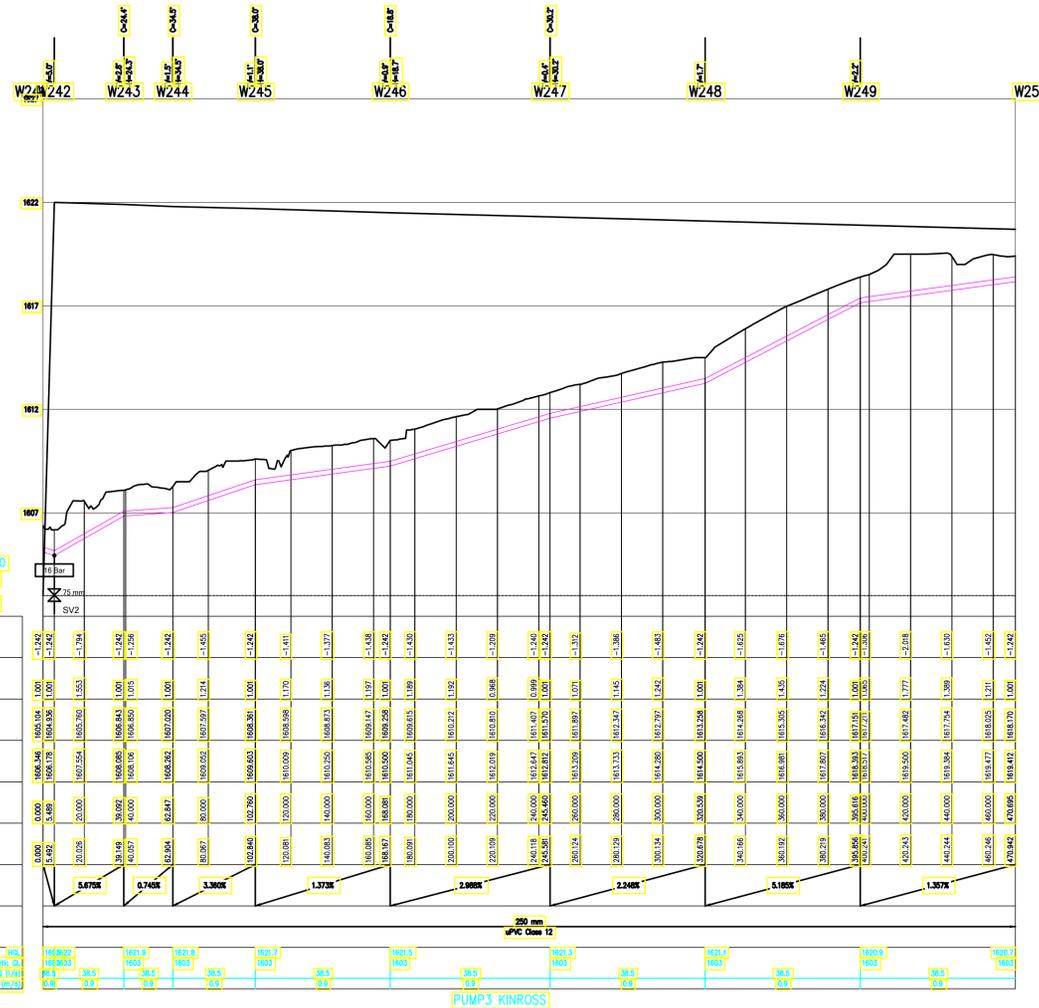
Scour Valves Schedule				
No	Diameter (mm)	Pressure (Bar)	Model	Description
1	75	16	SV2	

Pipe Bends Schedule (>3.0 Deg)			
CH	Diameter1 (mm)	Diameter2 (mm)	Angle (Deg)
32 915	200	200	55.8
295 924	200	200	6.0
361 959	200	200	10.9



Scour Valves Schedule				
No	Diameter (mm)	Pressure (Bar)	Model	Description
1	75	16	SV2	

Pipe Bends Schedule (>3.0 Deg)			
CH	Diameter1 (mm)	Diameter2 (mm)	Angle (Deg)
96 218	200	200	41.4



Scour Valves Schedule				
No	Diameter (mm)	Pressure (Bar)	Model	Description
1	75	16	SV2	

Pipe Bends Schedule (>3.0 Deg)			
CH	Diameter1 (mm)	Diameter2 (mm)	Angle (Deg)
5 489	250	250	5.0
39 992	250	250	24.4
62 847	250	250	34.5
102 760	250	250	38.0
168 081	250	250	18.8
245 460	250	250	30.2

LEGEND:	
	Cadastral Boundary
	Proposed Sewerline
	Sewer Manhole
	200mm Sewer uPVC Pipe
	Contour Line

No	Description	Date	By
00	Issued for Council Approval	08 Dec. 2021	TS

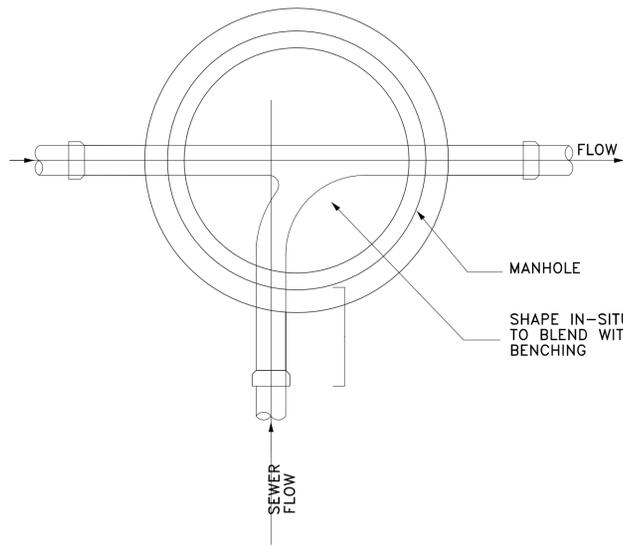
REVISIONS	
Approved by	Date
Drawn T Sondayi	Designed A.M
Checked A.M	Engineer T - Sondayi
Client App.	Date 08 Dec. 2021

FT Consultants
Civil & Structural Engineers

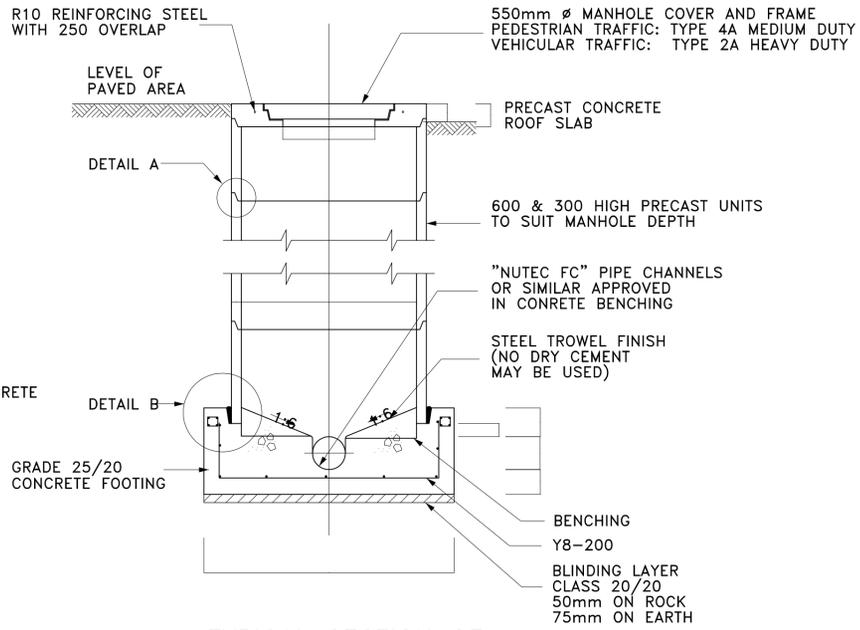
No. 7 Ehme Steet
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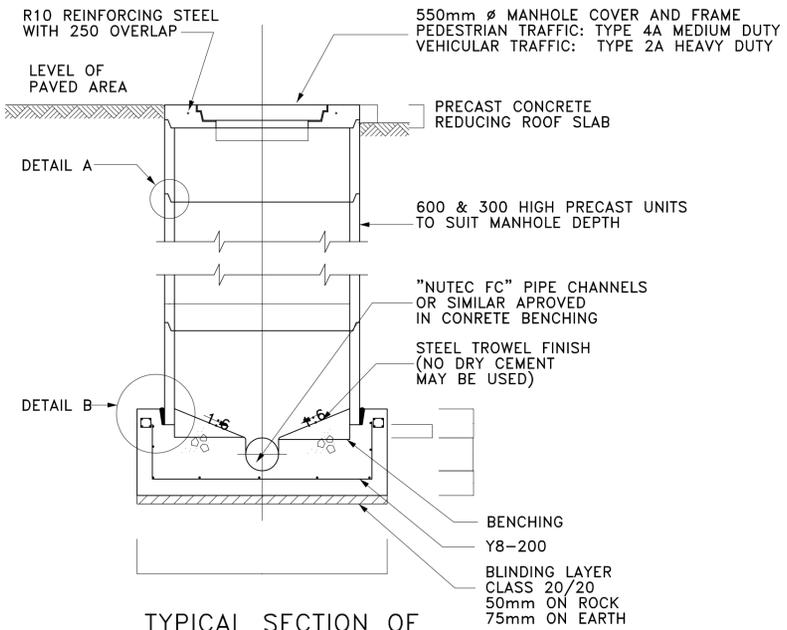
KINROSS EXT 33 & 34 BULK
SEWER RETICULATION 01 -
SEWER LONGSECTIONS .03



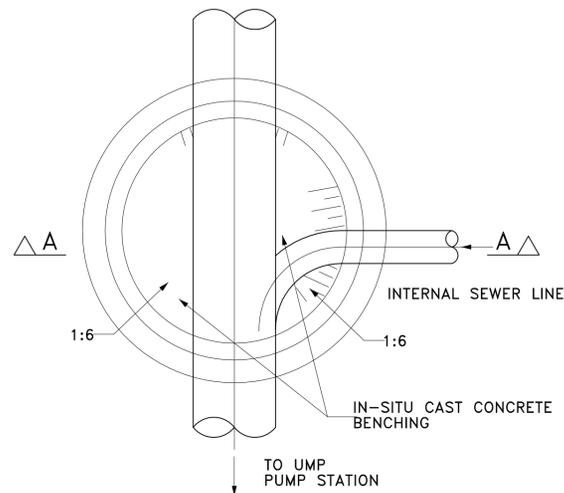
TYPICAL MANHOLE PLAN LAYOUT
NOT TO SCALE



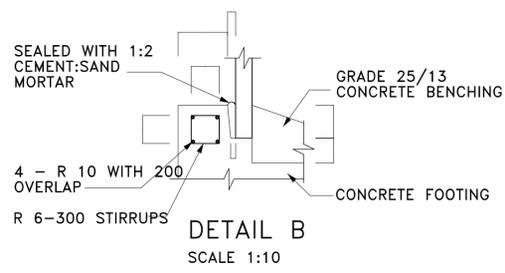
TYPICAL SECTION OF PRECAST MANHOLE:
DEPTH UP TO 3m
NOT TO SCALE



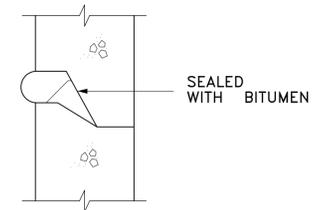
TYPICAL SECTION OF PRECAST MANHOLE:
DEEPER THAN 3m
NOT TO SCALE



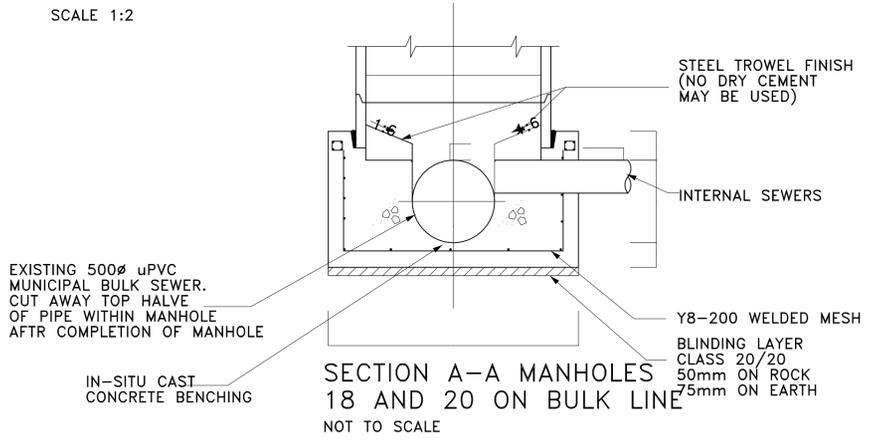
PLAN OF NEW MH NO 18 AND 20 ON
EXISTING MUNICIPAL BULK LINE
SCALE 1:20



DETAIL B
SCALE 1:10



DETAIL A
SCALE 1:2



SECTION A-A MANHOLES
18 AND 20 ON BULK LINE
NOT TO SCALE

No	Description	Date	By

REVISIONS			
No	Description	Date	By

Scale: As shown

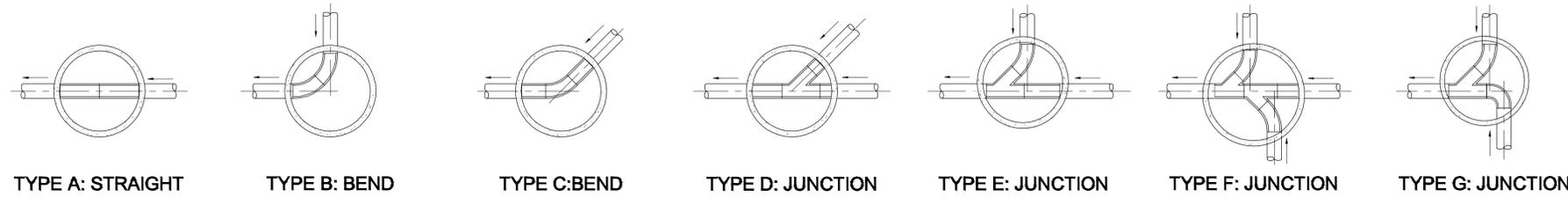
FT Consultants
Civil & Structural Engineers
FT CONSULTANTS PTY LTD
7 Emke Street
Nelspruit
1200

Title
KINROSS EXT 33 SEWER
RETICULATION - LONG-SECTION
SEWER 3

CIVIL SEWER DRAWINGS

Project No
SEWER DETAILS 01

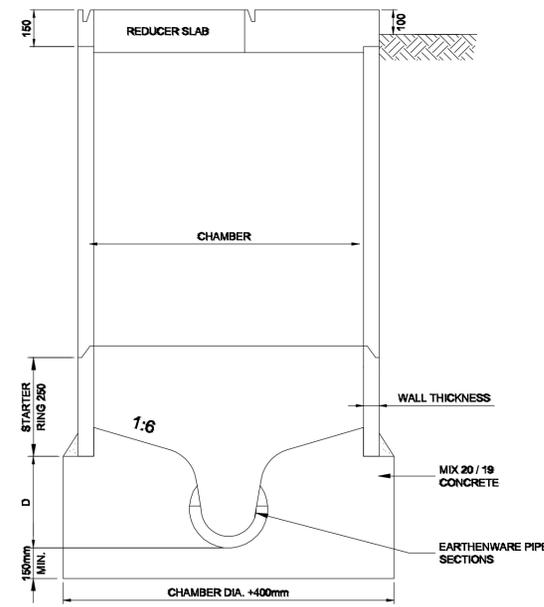
Drawing No
SEWER 125
Rev No. 00



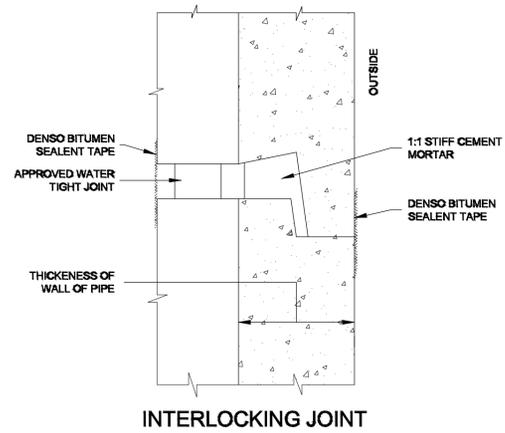
NOTE:
CHANNEL JUNCTIONS AND BENDS SHALL BE CUT BACK TO SUIT INCOMING PIPE ARRANGEMENT TO FORM FLOW CHANNELS INSIDE MANHOLES.

- NOTES:
- MANHOLE TYPES - SALBERG OR SIMILAR APPROVED ROAD RESERVE:
HEAVY DUTY COVER & FRAME WITH ROUND SPACER & ADAPTER SLABS (136kN TEST LOAD).
MID BLOCKS:
MEDIUM DUTY COVER & FRAME WITH ROUND SPACER & ADAPTER SLABS (40kN TEST LOAD).
 - IN ROADWAYS, MANHOLE COVERS SHALL BE FLUSH WITH THE FINISHED ROAD SURFACE, OTHER COVERS SHALL PROTRUDE 100mm ABOVE THE NATURAL GROUND LEVEL.
 - BENCHING SHALL BE FINISHED WITH A 20mm GRANULITHIC LAYER, PLACED WHILE THE CONCRETE IS STILL GREEN, & STEEL TROWEL TO A SMOOTH FINISH.
 - JOINTS OF PRECAST MANHOLE RINGS TO BE SEALED WITH DENSO "BITUMEN SEALANT" TAPE (INSIDE & OUTSIDE).
 - PRECAST SECTIONS TO BE 1000mm DIA. FOR MANHOLES WITH DEPTHS UP TO 3000mm, AND 1500mm DIA. WITH DEPTHS BETWEEN 3000mm AND 6000mm.
 - SPECIAL APPROVAL TO BE OBTAINED FOR MANHOLES BETWEEN 3000mm AND 5000mm DEEP.
 - PIPE SIZES AS SHOWN ON LONGITUDINAL SECTIONS.
 - ALL STRUCTURAL CONCRETE FOR MANHOLES TO BE 25 / 19 MPa.
 - ALL CONCRETE TO HAVE A SMOOTH FINISH.
 - MINIMUM COVER TO STEEL TO BE 30mm.
 - A MINIMUM OF 3 SPACER SLABS TO BE PLACED BELOW MANHOLE COVERS IN THE ROAD RESERVES.
 - NO STEP IRONS IN MANHOLES.

TYPICAL ARRANGEMENT OF CHANNELS IN CIRCULAR PRECAST MANHOLES

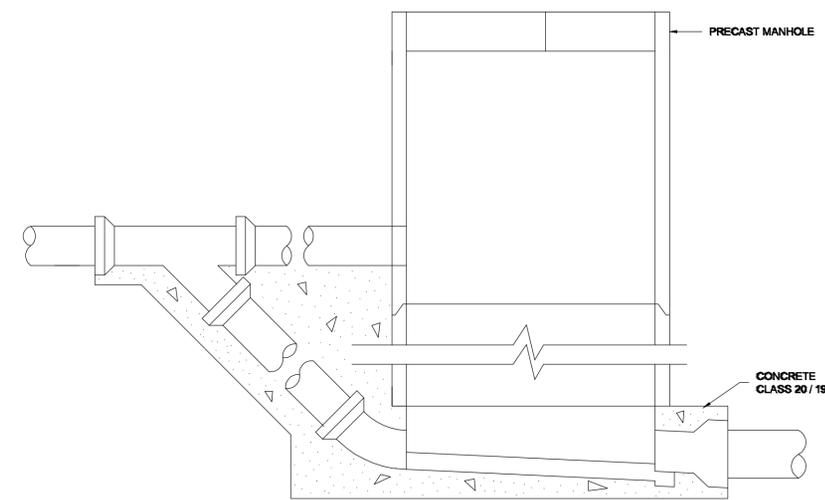


PRECAST CONCRETE MANHOLE FOR SEWER
NOT TO SCALE



INTERLOCKING JOINT

CHAMBER AND SHAFT SECTIONS		
TYPE OF SECTION	CHAMBER	CHAMBER
NOMINAL DIAM., mm	1 000	1 500
STANDARD LENGTH, mm.	250, 500, 1000	250, 500, 1000
WALL THICKNESS mm, MIN.	65	85
DEPTH	0-3 m	3-5 m



CONVENTIONAL DROP CONNECTIONS
NOT TO SCALE

No	Description	Date	By

REVISIONS	
Approved by	Date
Drawn T Sundayi	Designed A.M
Checked A.M	Engineer T - Sundayi
Client App.	Date 20 Apr. 2020

Scale: As shown



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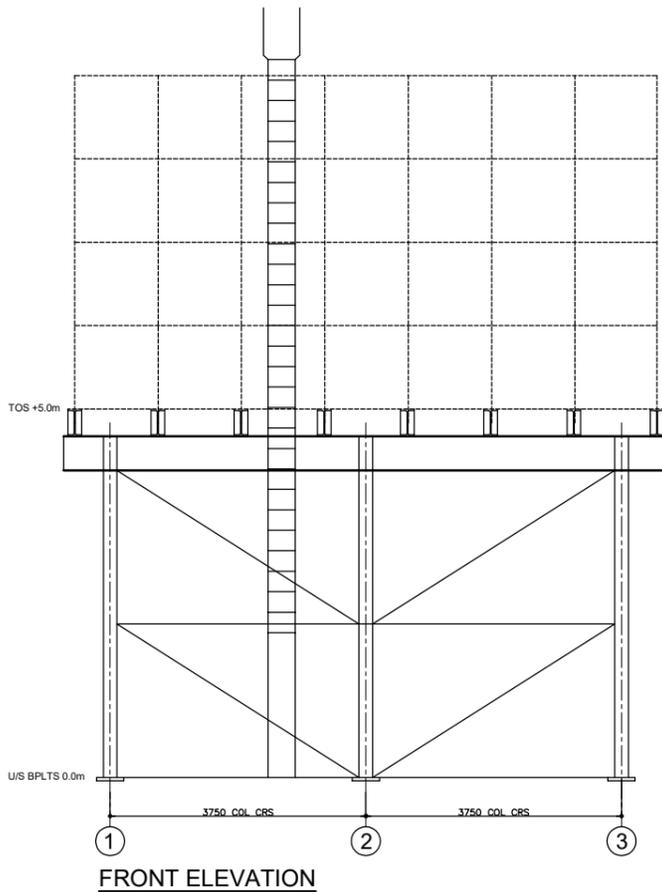
Title

KINROSS EXT 33 SEWER
RETICULATION - LONG-SECTION
SEWER 3

CIVIL SEWER DRAWINGS

Project No
SEWER DETAILS 02

Drawing No
SEWER 126
Rev No. 00



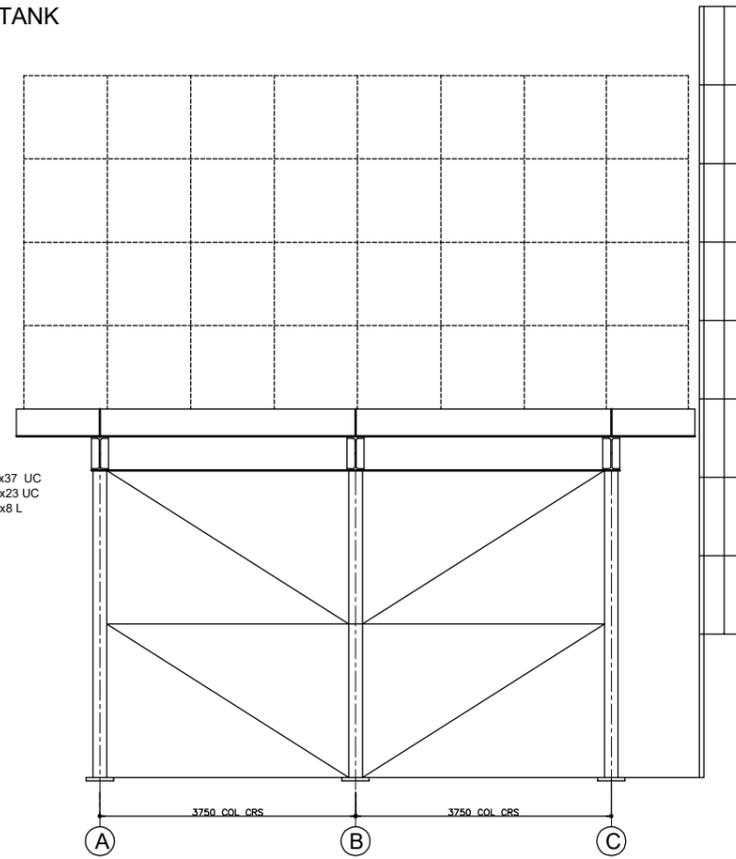
FRONT ELEVATION

PRESSED STEEL TANK
9760X854X4880

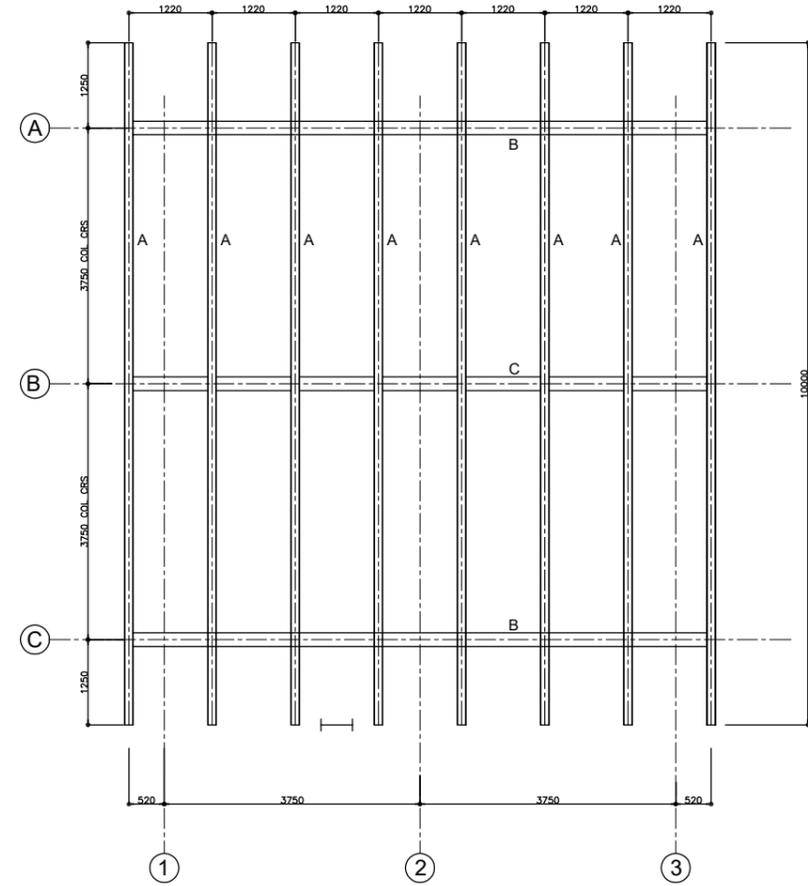
U10 THK PLTs
4-M20 BOLTS

TOWER MATERIAL
COLUMNS (UJON) -162x154x37 UC
COLUMNS "A1.3 & C1&3" -152x152x23 UC
BRACES HORIZ -100x100x8 L
STANDARD CATLADER

OF COLUMNS ARE BRACED AS
NOTE
ALL THREE LINES AND ROWS



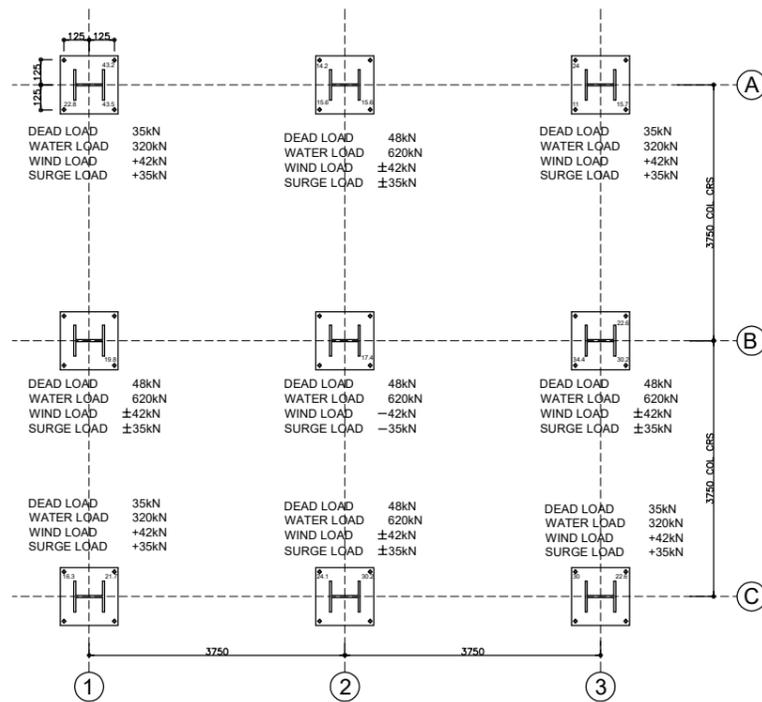
SIDE ELEVATION



PLAN OF GRILLAGE

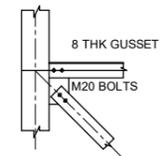
GRILLAGE MATERIAL
BEAM "A" -313x102x33 UB + 50x6 FLT STIFFTS
BEAM"B" -409x179x67 UB +85x8 FLT STIFFTS
BEAM"C" -413x180x75 UB +85x8 FLT STIFFTS

FOUNDATION NOTES
350x30 BASE PLT x350 LG
4-228 HLS FOR M24 H.D.BOLTS
100x100x12 PLT WASHERS
125 PROJECTION.400 EMBEDMENT
ERECTOR TO LEAVE 50 GAP FOR GROUT
COLUMN/BASE PLT WELD-8 C.F



PLAN ON BASEPLATES
ALL LOADS UNFACTORED

SHOWN ON ELEVATION DRAWN



Member	No of member	Bars per member	Dia	Length	Total number of bar	Mark	SC	A	B	C	D
	9	13	Y20	3400	117	01	35	3000			
	9	13	Y20	3400	117	02	35	3000			
	9	4	Y20	2350	36	03	54	250	2000	200	
	9	12	R12	1500	108	04	60	340	340		
	9	8	Y16	2000	72	05	20	2000			
	9	20	Y16	2250	180	06	72	360	600		

No Description Date By

REVISIONS

Approved by	Date
Drawn T Sondayi	Designed T Sondayi
Checked T S Lebohang	Engineer T - Sondayi
Client App.	Date 20 Apr. 2020

Scale: As shown

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Nelspruit
1200

ABECO TANK TYPICAL DETAIL

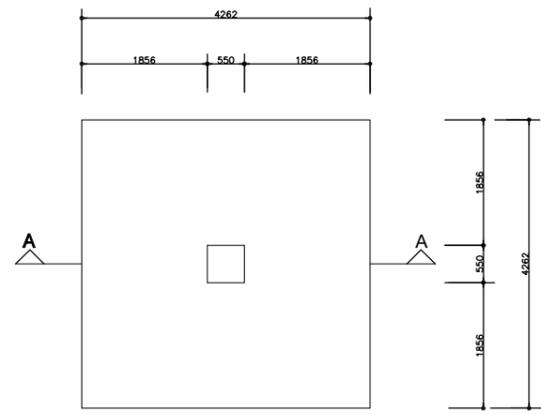
CIVIL & STRUCTURAL DRAWINGS

Project No
EL-ST-001

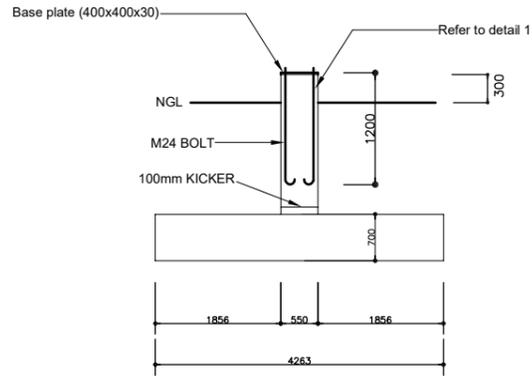
Drawing No
101

Rev No
00

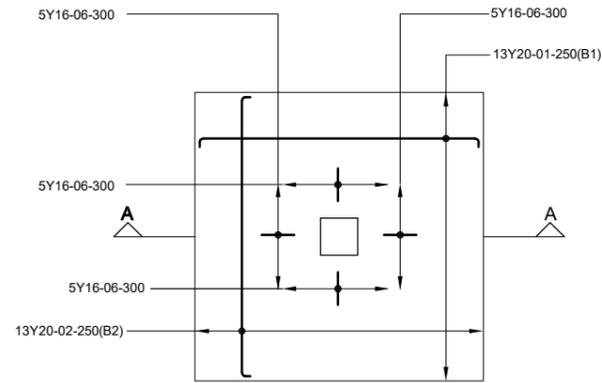
ELEVATED STEEL TANK



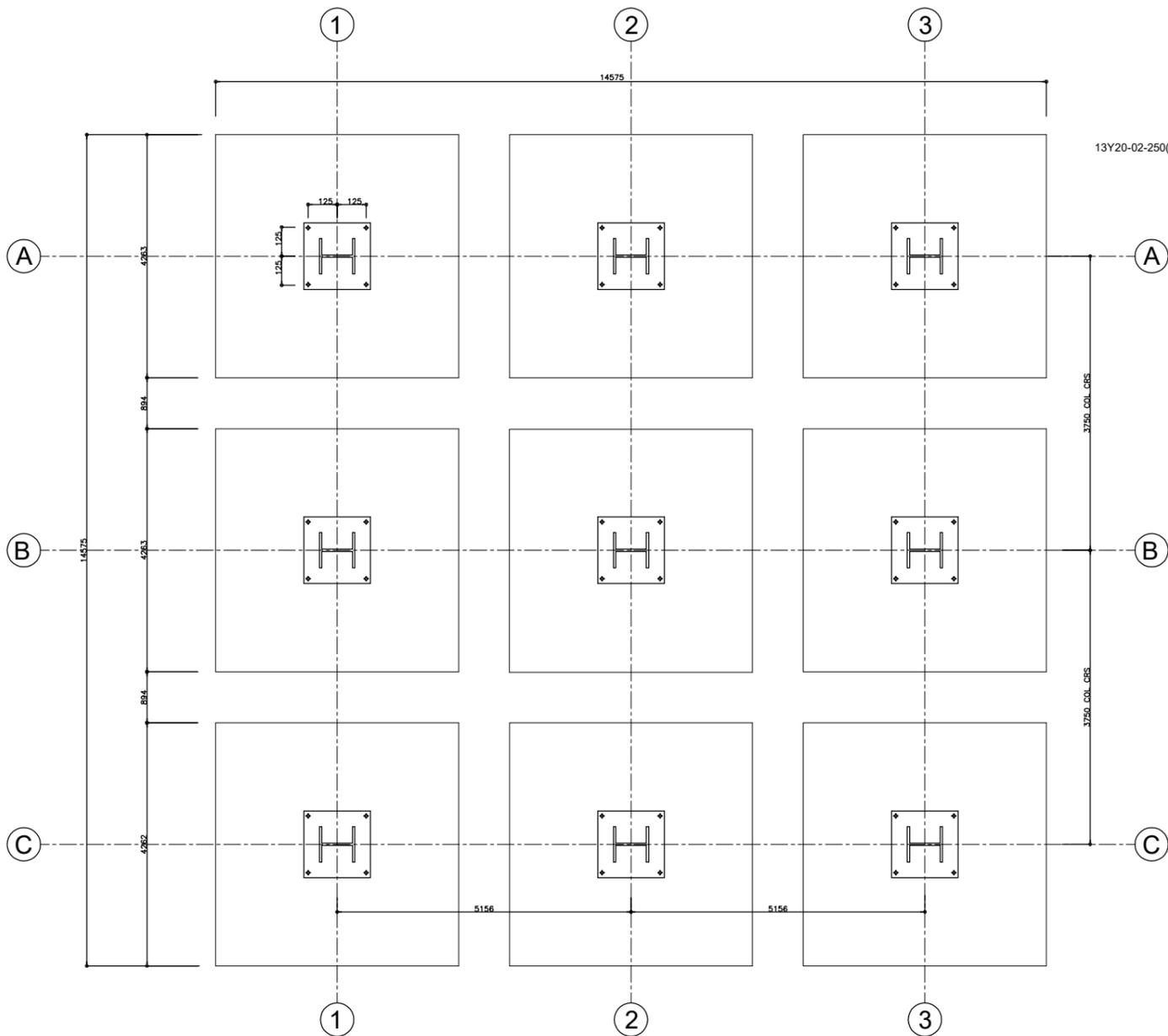
PLAN BASE
SCALE 1:100



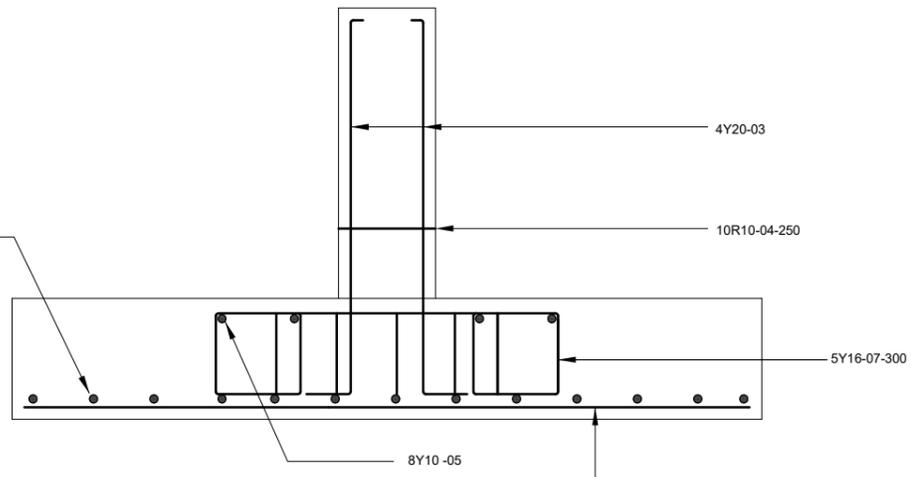
SECTION A-A BASE
SCALE 1:100



PLAN BASE(Reinforcement)
SCALE 1:100



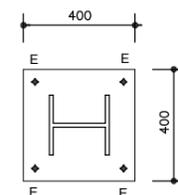
ELEVATED STEEL TANK FOUNDATION LAYOUT



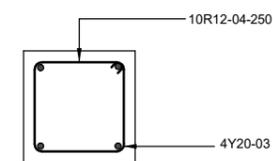
SECTION A-A(Reinforcement)

COVER

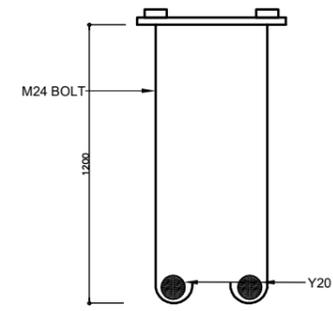
Bottom :50mm
Top :50mm
Side :30mm



PLAN BASE PLATE
SCALE 1:50



PLAN BASE PLATE(Reinforcement)
SCALE 1:50



DETAIL 1
SCALE 1:10

- All concrete to be grade 30mpa, unless otherwise shown.
- Read all drawings in conjunction with bending schedules & relevant architectural drgs.
- Cover to all reinforcement to be 50mm for bases and 25mm for columns unless otherwise shown.
- All concrete is to be properly vibrated.
- An allowable foundation bearing pressure of 200kpa on soil is assumed.
- All storm/rain water pipes passing under the structure are to be encased in concrete.
- All work to be in accordance with national building regulations.
- All work to be checked by supervising engineer or appointed representative prior to pouring of concrete (min. 24 hours notice).

EXCAVATION FOR FOUNDATION

The elevations of the bottom of the foundations shown on the drawing are approximately only, and the ENG may order such changes as are deemed necessary to provide a secure foundation.
-Special care shall be taken not to disturb the bottom of the excavation and final removal of foundation material to grade shall not be made until just before the footing is placed.
-Where the material below the bottom of footings not supported by piles has been disturbed, it shall be removed and the entire space filled with concrete not less than 15MPa at the contractor's expense.
-Boulders, roots and any other objectionable material encountered in excavation shall be removed. The excavated foundation shall be cleared of all loose material and cut to a firm surface.
-The contractor shall be solely responsible for the safety and stability of the excavation and shall provide all protective supports, bracing and shoring as required.
-No footings, bedding material or structures shall be placed in any foundation until the Engineer has inspected and approved the depth of excavation and the foundation material.

BLINDING

-All surfaces against which concrete is to be placed shall be covered with a layer of blinding concrete approximately 50mm thick.
-The class of blinding concrete should not be less than 15MPa.
-The class of blinding shall be spread and shall be worked thoroughly into all irregularities to the surface.

FOUNDATION NOTES

400x30 base pit x400 lg
4-Ø28 his for m24 h.d.bolts
100x100x12 pit washers
125 projection, 400 embedment
erec to leave 50 gap for grout
column/base pit weld-8 cr

No	Description	Date	By

REVISIONS

Approved by	Date
Drawn T.Sondayi	Designed T.Sondayi
Checked T.S. Lebohng	Engineer T.Sondayi
Client App.	Date 20 Apr. 2020

Scale: As shown

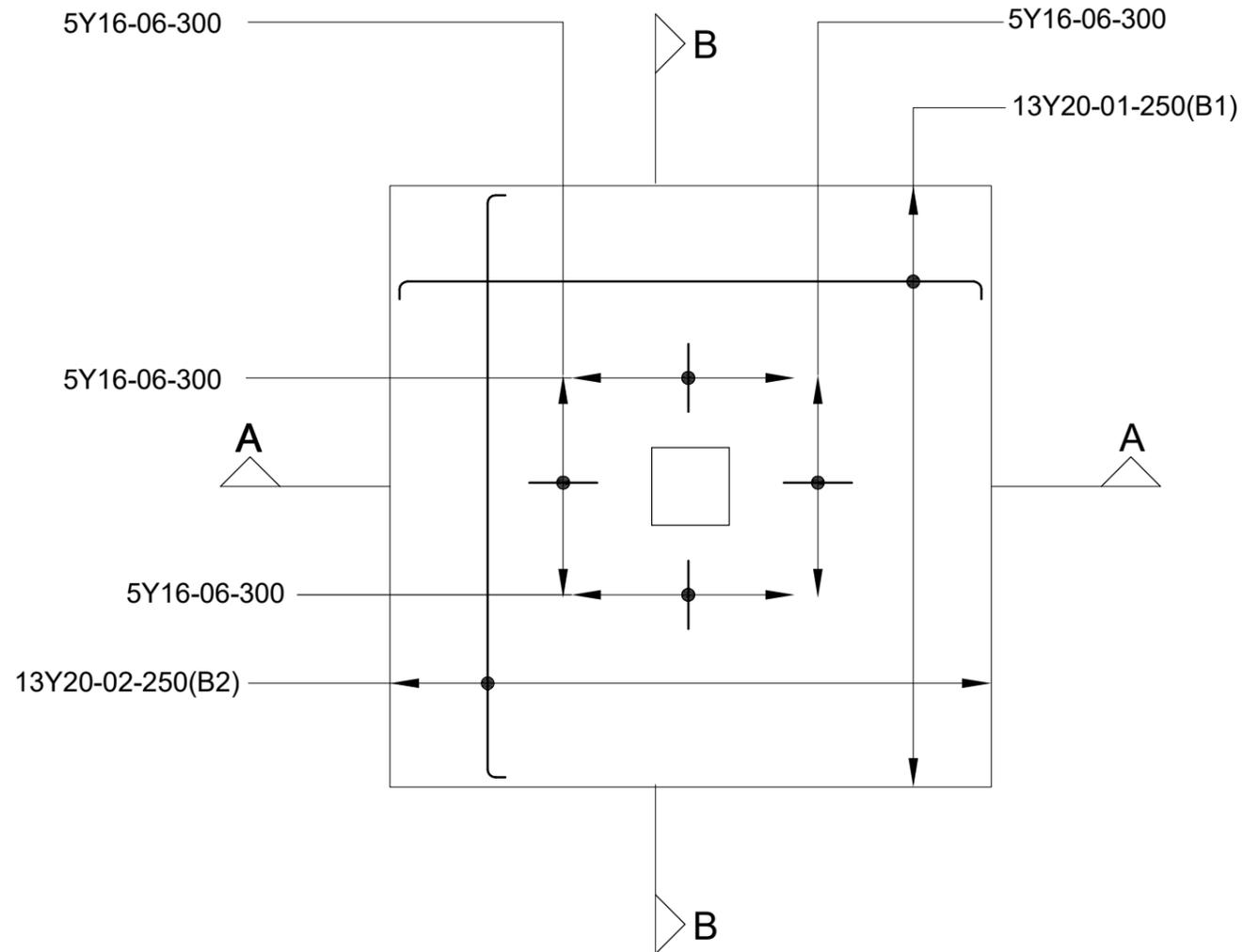
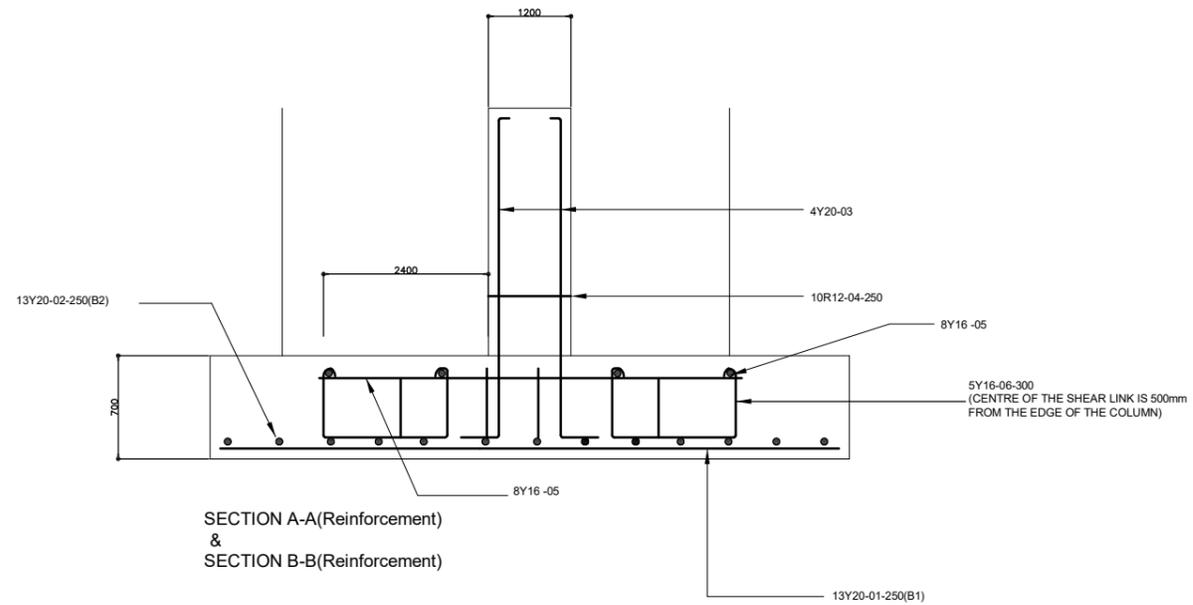
FT CONSULTANTS
Civil & Structural Engineers
7 Emke Street
Nelspruit
1200

CONSTRUCTION OF 0.5MI ELEVATED RESERVOIR AT KINROSS EXT 33

STRUCTURAL DRAWINGS

Project No
EL-ST-001

Drawing No
102
Rev No
00



PLAN BASE(Reinforcement)
SCALE 1:100

1. All concrete to be grade 30mpa, unless otherwise shown.
2. Read all drawings in conjunction with bending schedules & relevant architectural drgs.
3. Cover to all reinforcement to be 50mm for bases and 25mm for columns unless otherwise shown.
4. All concrete is to be properly vibrated.
5. An allowable foundation bearing pressure of 200kpa on soil is assumed.
6. All storm/rain water pipes passing under the structure are to be encased in concrete.
7. All work to be in accordance with national building regulations.
8. All work to be checked by supervising engineer or appointed representative prior to pouring of concrete (min. 24 hours notice).

EXCAVATION FOR FOUNDATION

- The elevations of the bottom of the foundations shown on the drawing are approximately only, and the ENG may offer such changes as are deemed necessary to provide a secure foundation.
- Special care shall be taken not to disturb the bottom of the excavation, and final removal of foundation material to grade shall not be made until just before the footing is placed.
- Where the material below the bottom of footings not supported by piles has been disturbed, it shall be removed and the entire space filled with concrete not less than 15MPa at the contractor's expense.
- Boulders, roots and any other objectionable material encountered in excavation shall be removed. The excavated foundation shall be cleared of all loose material and cut to a firm surface.
- The contractor shall be solely responsible for the safety and stability of the excavation and shall provide all protective supports, bracing and shoring as required.
- No footings, bedding material or structures shall be placed in any foundation until the Engineer has inspected and approved the depth of excavation and the foundation material.

BLINDING

- All surfaces against which concrete is to be placed shall be covered with a layer of blinding concrete approximately 50mm thick.
- The class of blinding concrete should not be less than 15MPa.
- The class of blinding shall be spread and shall be worked thoroughly into all irregularities to the surface.

FOUNDATION NOTES

- 400x30 base pit x400 lg
- 4-028 Hls for m24 h,d bolts
- 100x100x12 pit washers
- 125 projection 400 embedment
- erector to leave 50 gap for grout
- column/base pit weld-8 c.f

No	Description	Date	By

REVISIONS	
Approved by	Date
Drawn T.Sondayi	Designed T.Sondayi
Checked T.S.Lebhang	Engineer T.Sondayi
Client App.	Date 20 Apr. 2020

Scale: As shown

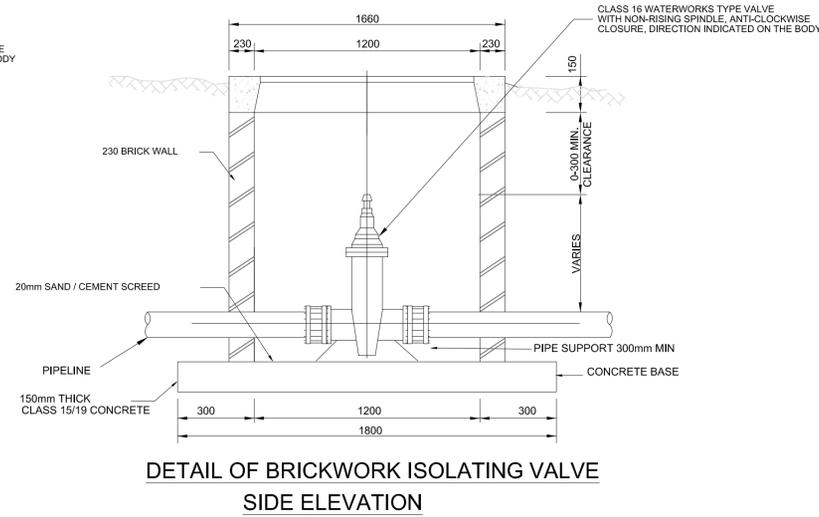
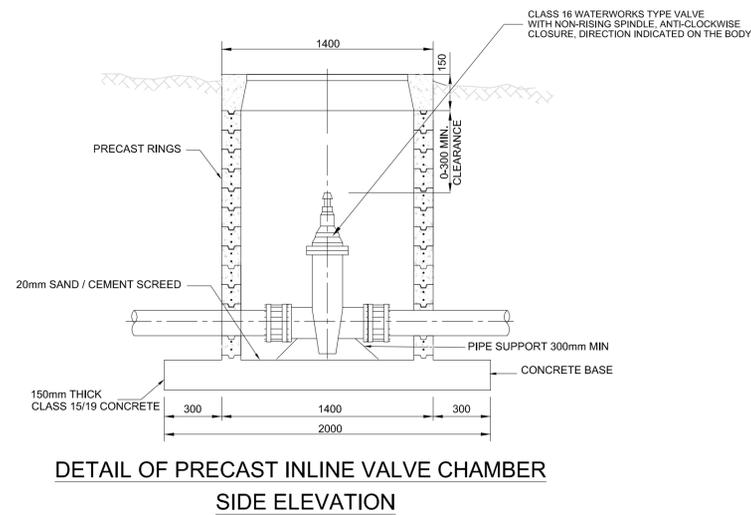
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Nelspruit
1200

Title
CONSTRUCTION OF 0.5MI ELEVATED RESERVOIR AT KINROSS EXT 33

STRUCTURAL DRAWINGS

Project No
NG-ST-001

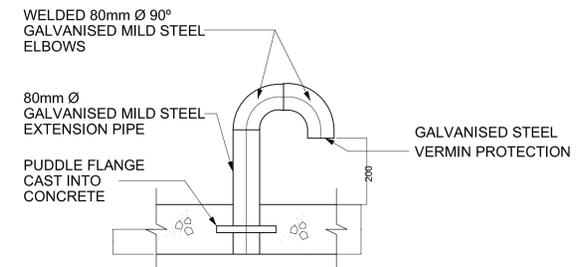
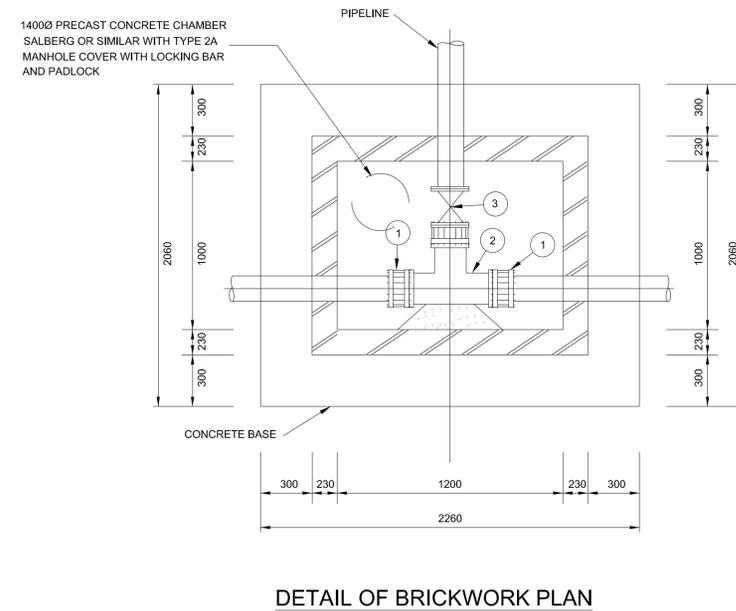
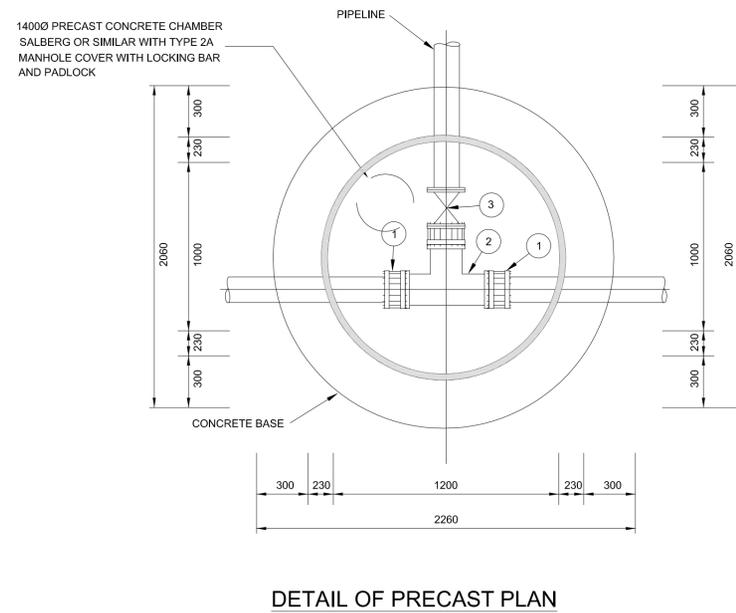
Drawing No
101
Rev No **00**



ITEM	DESCRIPTION TO SUIT PIPE SIZES	No OFF
1	VIKING JOHNSON COUPLING TO SUIT PIPE	3
2	FLANGED EQUAL TEE	1
3	CLASS 16 WATERWORKS TYPE VALVE	1
4	FLANGED EQUAL TEE	1
5	VIKING JOHNSON COUPLING TO SUIT PIPE	3
6	REDUCER & ASSOCIATED FITTINGS	1

GENERAL NOTES

1. CONTRACTOR TO PROVIDE VALVE AND SPECIAL'S MANUFACTURER'S DETAILS TO CONFIRM APPROVAL PRIOR TO CONSTRUCTION.
2. DETAIL TO BE CONSTRUCTED, REGARDING THE BRICKWORK OR PRE-CAST ARRANGEMENT, MUST BE CONFIRMED BEFORE CONSTRUCTION COMMENCES.



AIR VENT DETAIL
SCALE 1:10

NOTE:
UNIT GALVANISED
AFTER WELDING

LEGEND:

- PI SETTING OUT POINT OF WATER PIPE LINE
- ⊗ ISOLATING VALVE/RSV
- ⊕ SCOUR VALVE
- ⊕ DOUBLE AIR VALVE

No	Description	Date	By

REVISIONS

Approved by	Date
Drawn T Sondayi	Designed A.M
Checked A.M	Engineer T - Sondayi
Client App.	Date 20 Apr. 2020

Scale: As shown



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Nelspruit
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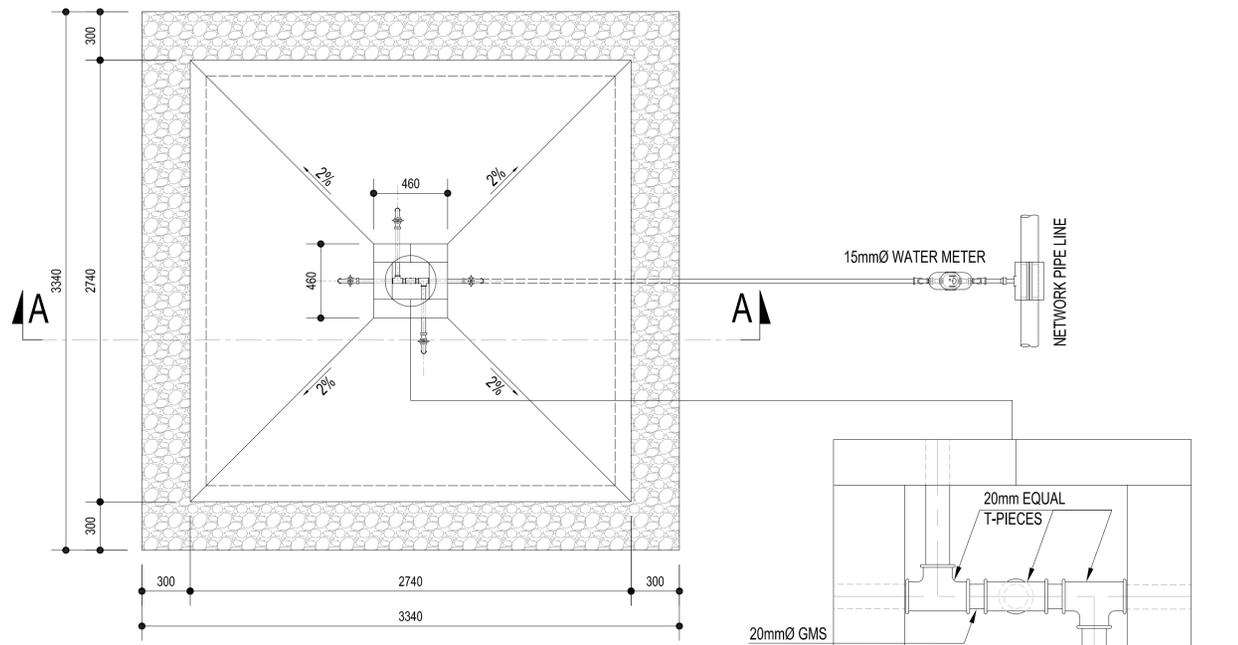
Title

KINROSS EXT 33 WATER TYPICAL
ISOLATING VALVES PRECAST AND
BRICKWORK ARRANGEMENT

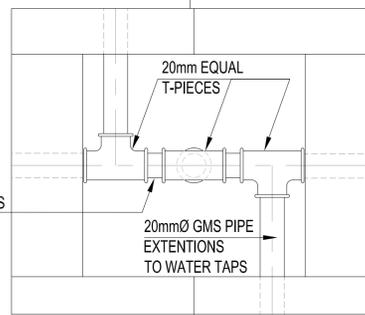
CIVIL WATER DRAWINGS

Project No
WATER- DET - 038

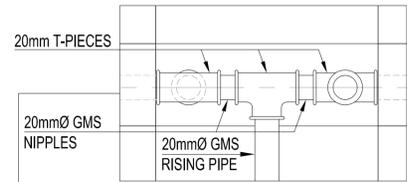
Drawing No
WATER 200
Rev No. 00



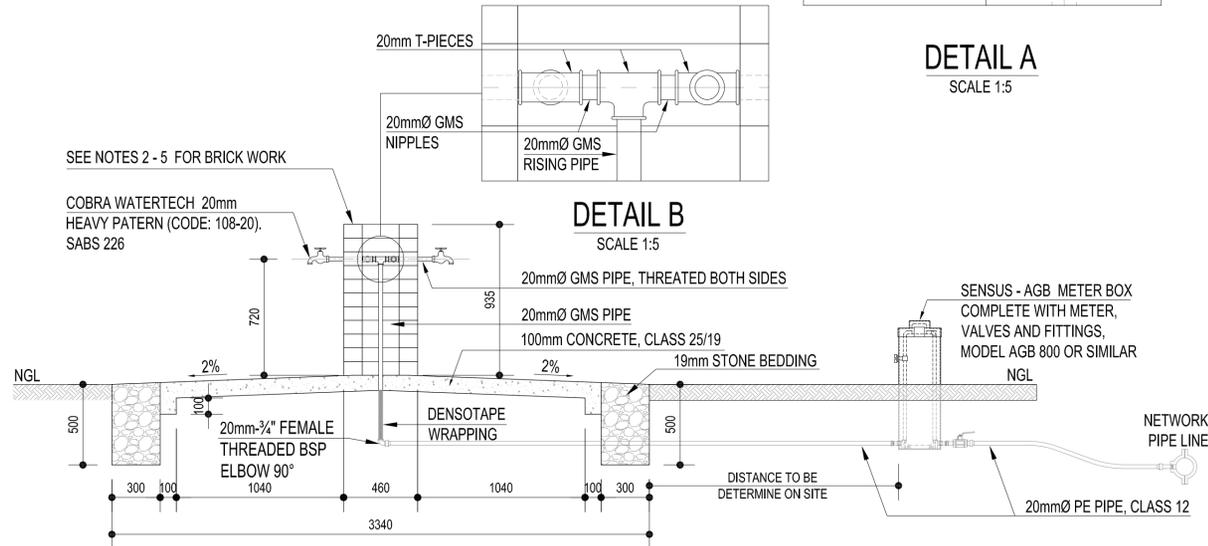
PLAN VIEW OF STAND PIPE
SCALE 1:30



DETAIL A
SCALE 1:5

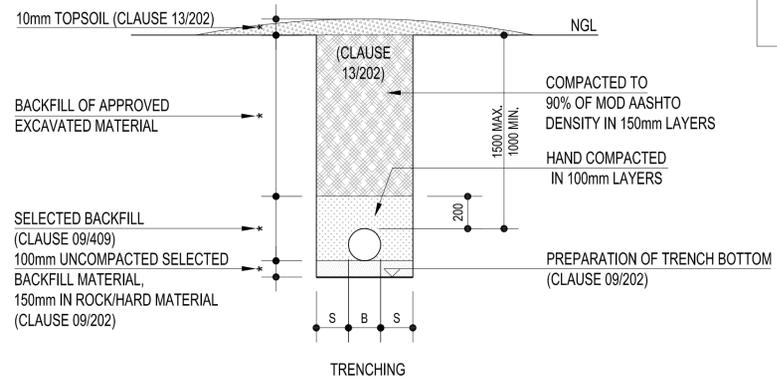


DETAIL B
SCALE 1:5

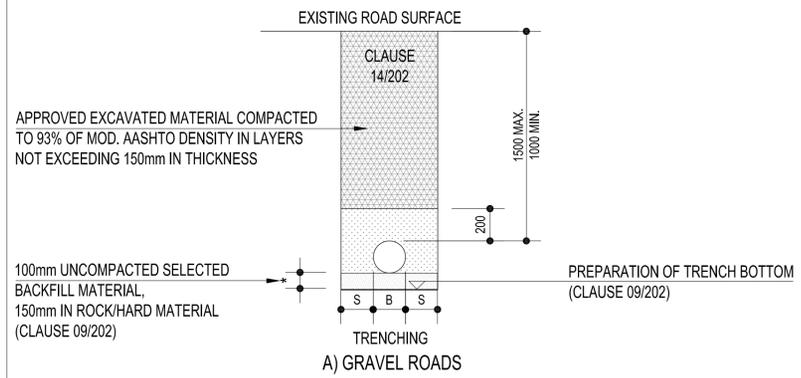


SECTION A-A
SCALE 1:30

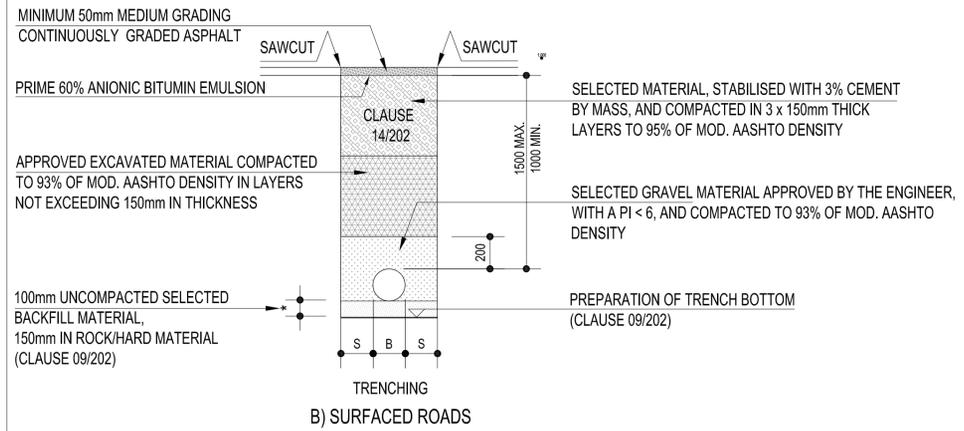
- NOTES :**
1. STEEL PIPES AND FITTINGS BELOW GROUND SHALL BE WRAPPED WITH DENSOTAPE OR SIMILAR, 30% OVERLAP.
 2. BRICKWORK TO BE IN ACCORDANCE WITH SANS 0164 : PART 1 - 1980.
 3. CLASS II MORTAR TO BE USED. (1 CEMENT CEM 1 : 5 SAND).
 4. BRICKS TO HAVE A CHARACTERISTIC COMPRESSIVE STRENGTH OF 14MPa.
 5. PROVIDE BRICKFORCE EVERY SECOND LAYER.



TYPICAL BEDDING AND BACKFILL DETAILS FOR WATER PIPES - SIDE WALKS
SCALE 1:30



A) GRAVEL ROADS



B) SURFACED ROADS

TYPICAL BEDDING AND BACKFILL DETAILS FOR WATER PIPES - ROAD CROSSINGS
SCALE 1:30

- LEGEND:**
- S = WORKING SPACE EACH SIDE OF PIPE, MIN. 200mm CLAUSE 04.01/202
 - B = OD OF PIPE.
 - CLAUSE 00/999 = REFERENCE IN STANDARD SPECIFICATION (CLAUSE NUMBER / SECTION NUMBER)

LEGEND:

PI	SETTING OUT POINT OF WATER PIPE LINE
⊗	ISOLATING VALVE/RSV
⊕	SCOUR VALVE
⊕	DOUBLE AIR VALVE

No	Description	Date	By

REVISIONS

Approved by	Date
Drawn T Sondayi	Designed A.M
Checked A.M	Engineer T - Sondayi
Client App.	Date 20 Apr. 2020

Scale: As shown

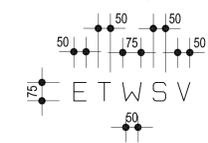
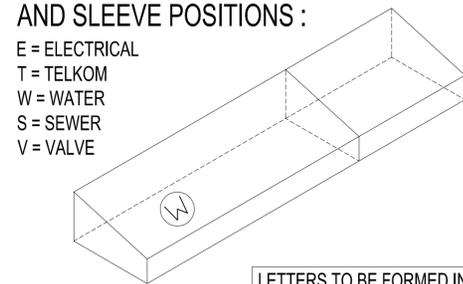
FT Consultants
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Nelspruit
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FT CONSULTANTS PTY LTD
7 Emke Street
Nelspruit
1200

Title	KINROSS EX 33 WATER STAND PIPE WITH SINGLE WATER METER & TYPICAL BEDDING AND BACKFILL DETAILS FOR WATER PIPES
CIVIL WATER DRAWINGS	
Project No	WATER- DET - 039
Drawing No	WATER 200
Rev No	00

IDENTIFICATION OF PIPE AND SLEEVE POSITIONS :

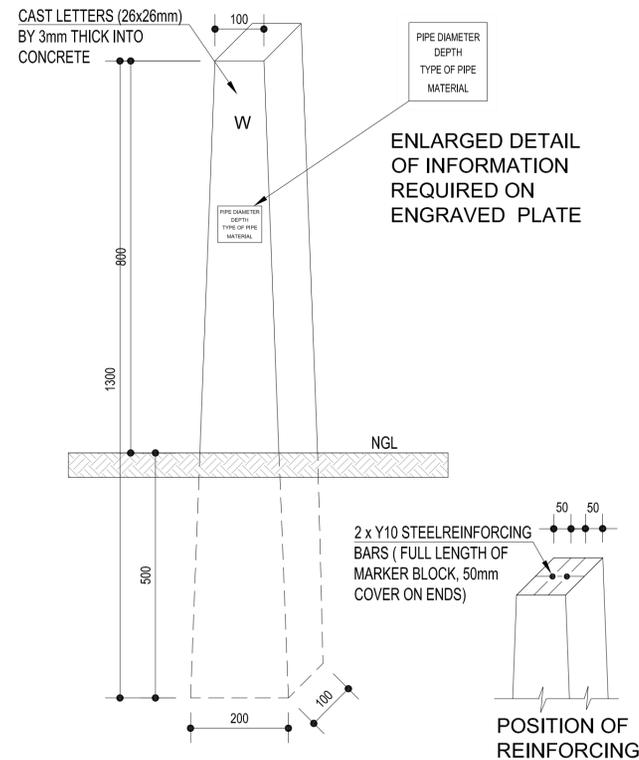
E = ELECTRICAL
T = TELKOM
W = WATER
S = SEWER
V = VALVE



LETTERS TO BE FORMED IN CONCRETE BEFORE IT SETS.
LETTERS TO BE 5mm WIDE AND DEEP

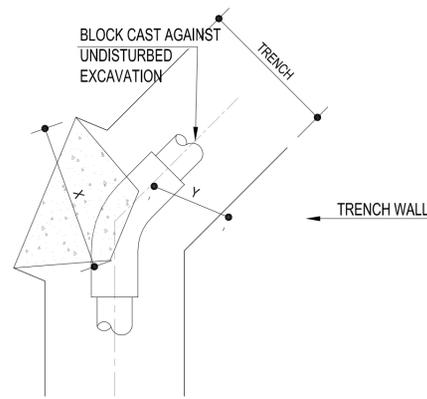
MARKERS ON CONCRETE KERBS

SCALE 1:10



CONCRETE MARKER BLOCK

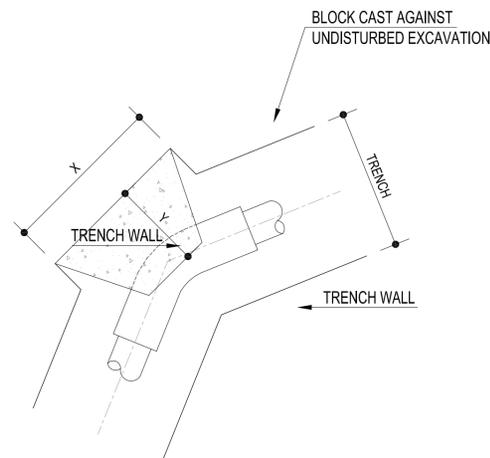
SCALE 1:10



THRUST BLOCK FOR 45° BEND

SCALE 1:30

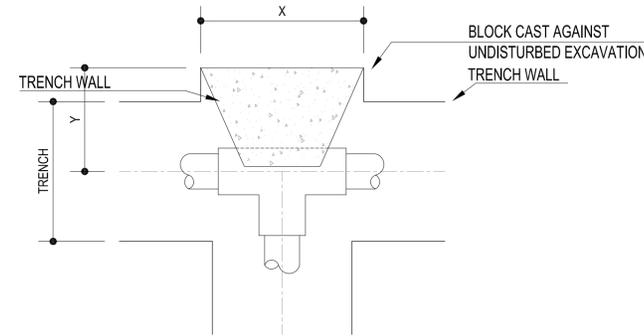
NOMINAL PIPE DIAMETER ϕ (mm)	AREA REQUIRED m^2	DIMENSIONS (mm)				AREA PROVIDED m^2	VOL (m^3)
		D	Z	X	Y		
75	0.061	800	400	450	225	0.180	0.040
100	0.109	1 000	500	500	250	0.250	0.060
150	0.245	1 000	500	1000	500	0.500	0.250
200	0.435	1 200	600	1400	700	0.840	0.590
250	0.680	1 300	650	2000	1000	1.300	1.300
300	0.979	1 400	700	2600	1300	1.820	2.370
300+	SEE NOTE 5						



THRUST BLOCK FOR 22½° BEND

SCALE 1:10

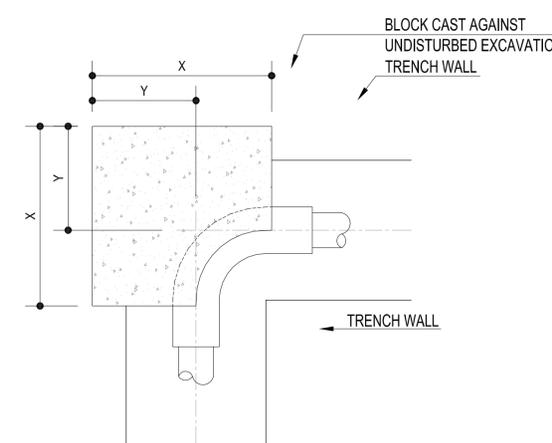
NOMINAL PIPE DIAMETER ϕ (mm)	AREA REQUIRED m^2	DIMENSIONS (mm)				AREA PROVIDED m^2	VOL (m^3)
		D	Z	X	Y		
75	0.031	800	400	400	200	0.1600	0.032
100	0.055	1 000	500	500	250	0.2500	0.063
150	0.124	1 000	500	500	250	0.2500	0.063
200	0.220	1 200	600	600	300	0.3600	0.108
250	0.344	1 300	650	650	325	0.4225	0.137
300	0.496	1 400	700	800	400	0.5600	0.224
300+	SEE NOTE 5						



THRUST BLOCK FOR TEE-PIECE

SCALE 1:30

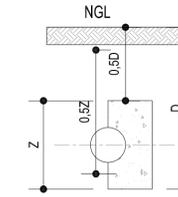
NOMINAL PIPE DIAMETER ϕ (mm)	AREA REQUIRED m^2	DIMENSIONS (mm)				AREA PROVIDED m^2	VOL (m^3)
		D	Z	X	Y		
75	0.080	800	400	400	200	0.160	0.032
100	0.141	1 000	500	500	250	0.250	0.063
150	0.318	1 000	500	700	350	0.350	0.123
200	0.565	1 200	600	1000	500	0.600	0.300
250	0.883	1 300	650	1400	700	0.910	0.637
300	1.272	1 400	700	1900	950	1.330	1.264
300+	SEE NOTE 5						



THRUST BLOCK FOR 90° BEND

SCALE 1:30

NOMINAL PIPE DIAMETER ϕ (mm)	AREA REQUIRED m^2	DIMENSIONS (mm)				AREA PROVIDED m^2	VOL (m^3)
		D	Z	X	Y		
75	0.113	800	400	450	225	0.18	0.065
100	0.201	1 000	500	500	250	0.25	0.100
150	0.451	1 000	500	1 000	500	0.50	0.402
200	0.803	1 200	600	1 400	700	0.84	0.945
250	1.254	1 300	650	2 000	1000	1.30	2.089
300	1.806	1 400	700	2 600	1 300	1.82	3.803
300+	SEE NOTE 5						



TYPICAL SECTION

SCALE 1:30

NOTES :
CONCRETE THRUST BLOCKS

- THRUST BLOCK DIMENSIONS ON THIS DRAWING ARE ONLY APPLICABLE UNDER THE FOLLOWING CONDITIONS:
* UNDISTURBED SAND-GROUND MIXTURES OR DENSE UNIFORM SAND WITH A BEARING CAPACITY OF AT LEAST 150kPa.
* UNSUBMERGED CONDITIONS.
* MAXIMUM INTERNAL PIPE PRESSURE OF 18 Bar.
IF THE CONTRACTOR IS NOT IN A POSITION TO IDENTIFY THE ABOVE CONDITIONS, USE SHALL BE MADE OF AN ENGINEERING GEOLOGIST OR ENGINEER. IN ALL OTHER CONDITIONS THE ACTUAL INSITU BEARING PRESSURE SHALL BE CALCULATED AND THE THRUST BLOCK DESIGNED BY THE ENGINEER.
- USE 10 MPa CONCRETE.
- HALF THE DEPTH OF THE THRUST BLOCK TO BE PLACED BELOW THE PIPE AXIS.
- KEEP CONCRETE AWAY FROM THE COUPLINGS & THE PIPE JOINTS.
- THRUST BLOCKS FOR PIPE ϕ LARGER THAN 300mm & HIGHER TEST PRESSURES THAN 18 BAR SHALL BE DESIGNED BY THE ENGINEER.
- THRUST BLOCKS AT PUDDLE FLANGES SHALL BE REINFORCED & DESIGNED BY THE ENGINEER.

CONCRETE MARKER BLOCKS

- PLATE TYPE AND SIZE TO BE USED:
80 x 80 x 2mm ALUMINIUM PLATE.
- CONCRETE STRENGTH TO BE 25 MPa.

LEGEND:

- PI SETTING OUT POINT OF WATER PIPE LINE
- ⊗ ISOLATING VALVE/RSV
- ⊙ SCOUR VALVE
- ⊕ DOUBLE AIR VALVE

No	Description	Date	By

REVISIONS

Approved by	Date
Drawn T Sundayi	Designed A.M
Checked A.M	Engineer T - Sundayi
Client App.	Date 20 Apr. 2020

Scale: As shown



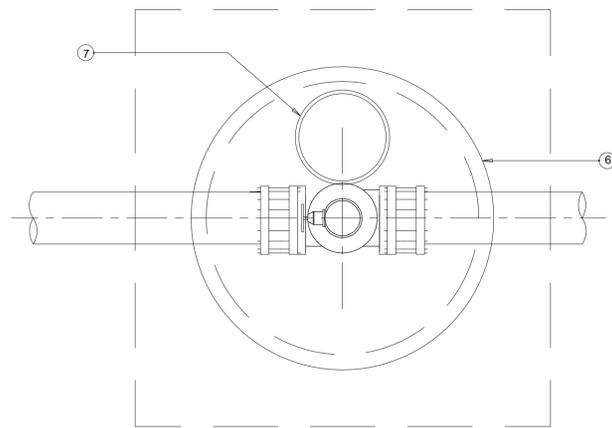
FT CONSULTANTS PTY LTD
7 Emke Street
Nelspruit
1200

Title
KINROSS EXT 33 WATER THRUST BLOCKS AND MARKERS

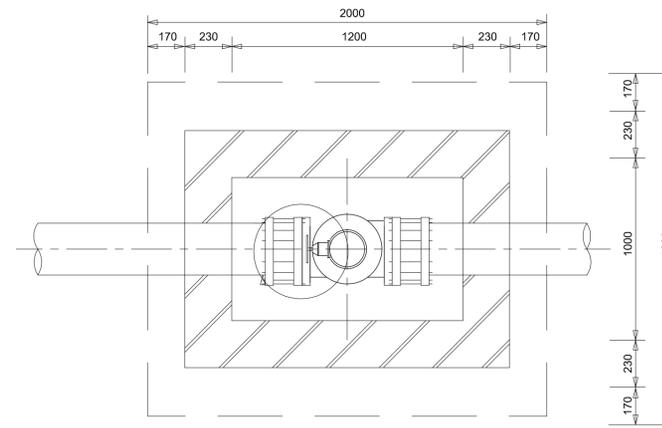
CIVIL WATER DRAWINGS

Project No
WATER- DET - 040

Drawing No
WATER 200 Rev No **00**



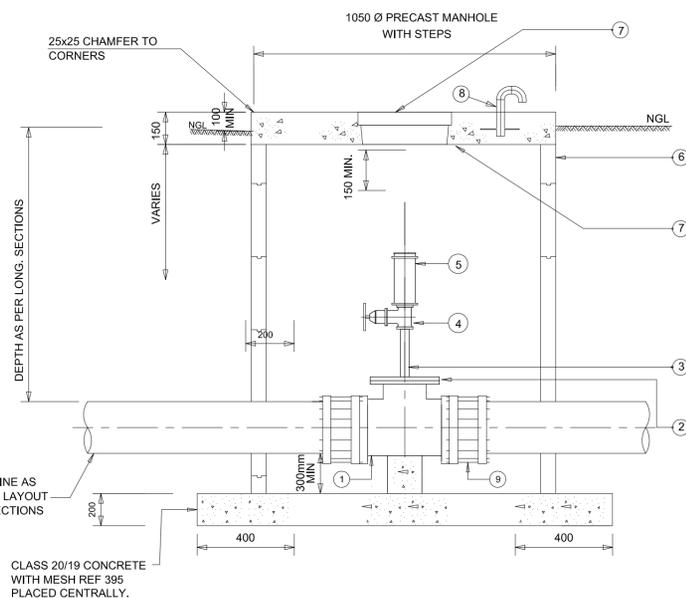
PLAN ELEVATION



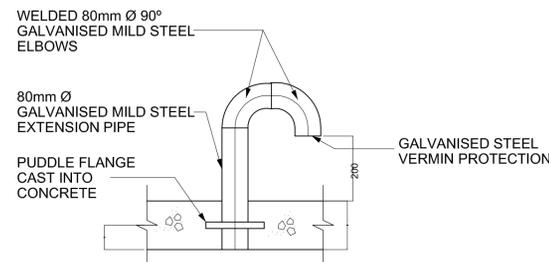
PLAN ELEVATION

SCHEDULE OF FITTINGS

1. IN-LINE REDUCING TEE: FLANGED BRANCH LARGER THAN 60% OF MAIN SUPPLY LINE WITH END PREPARATION TO SABS 1123 TABLE 1000/3
2. BLANK FLANGE TAPPED FOR * mm DIA. GALVANISED MILD STEEL PIPE, DIAMETER OF FLANGE SAME AS FOR TEE OUTLET FLANGE
3. * ND GALVANISED MILD STEEL PIPE THREADED BOTH ENDS: LENGTH TO SUIT, SCREWED INTO BLANK FLANGE
4. * ND SCREWED BSB FULLWAY GATE VALVE : CLASS 10 BAR
5. ND 'VENT-O-MAT' SERIES RBX OR SIMILAR APPROVED.
6. PRECAST MANHOLE RINGS
7. SABS 558-1978 TYPE 2A MANHOLE FRAME SET IN REINFORCED CONCRETE SLAB WITH A TYPE B ROUND REPLACEMENT CONCRETE COVER WITH LIFTING EYES
8. AIR VENT
9. VIKING JOHNSON COUPLING TO SUIT FLANGES DRILLED TO SABS 1123 TABLE 1000/3

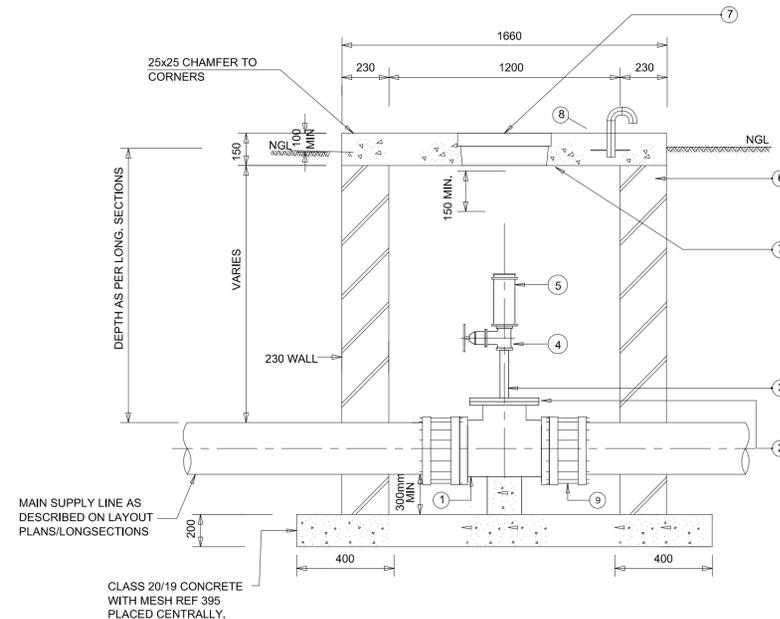


PRECAST ARRANGEMENT SECTIONAL VIEW



AIR VENT DETAIL
SCALE 1:10

NOTE:
UNIT GALVANISED
AFTER WELDING



BRICKWORK ARRANGEMENT SECTIONAL VIEW

GENERAL NOTES

1. CONTRACTOR TO PROVIDE VALVE AND SPECIAL'S MANUFACTURER'S DETAILS TO CONFIRM APPROVAL PRIOR TO CONSTRUCTION.
2. DETAIL TO BE CONSTRUCTED, REGARDING THE BRICKWORK OR PRE-CAST ARRANGEMENT, MUST BE CONFIRMED BEFORE CONSTRUCTION COMMENCES.

LEGEND:

- PI SETTING OUT POINT OF WATER PIPE LINE
- ⊗ ISOLATING VALVE/RSV
- ⊗ SCOUR VALVE
- ⊗ DOUBLE AIR VALVE

No	Description	Date	By

REVISIONS

Approved by		Date	
Drawn	T Sundayi	Designed	A.M
Checked	A.M	Engineer	T - Sundayi
Client App.		Date	20 Apr. 2020

Scale: As shown



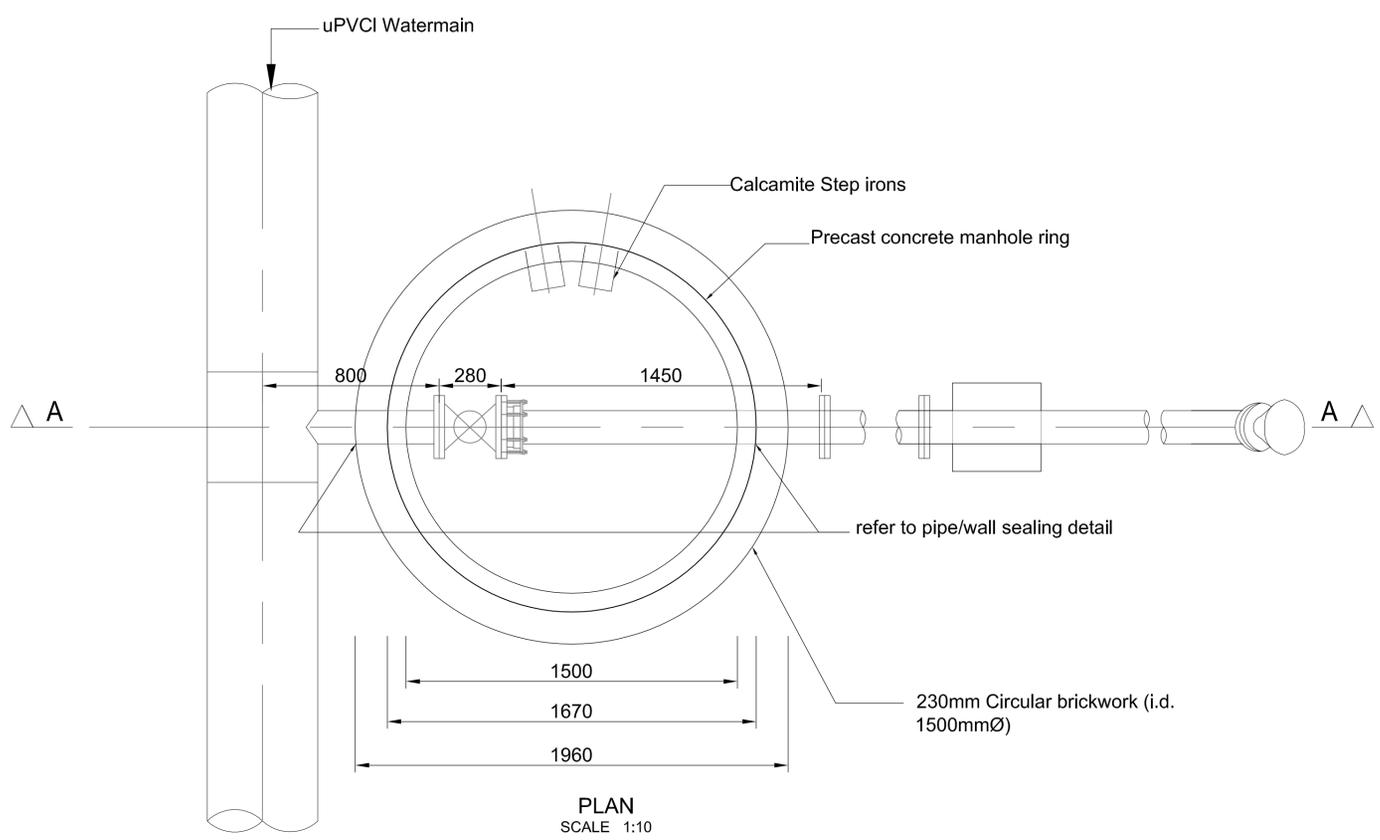
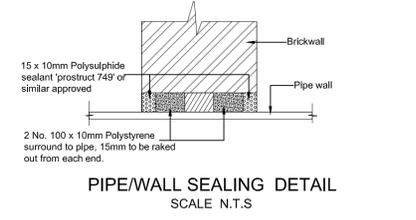
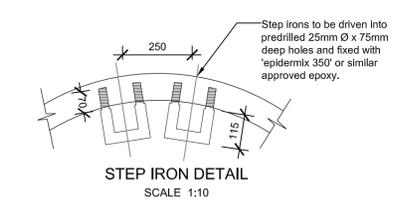
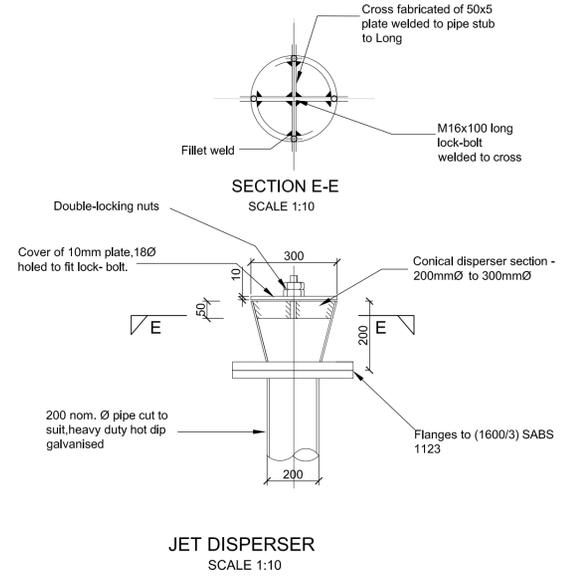
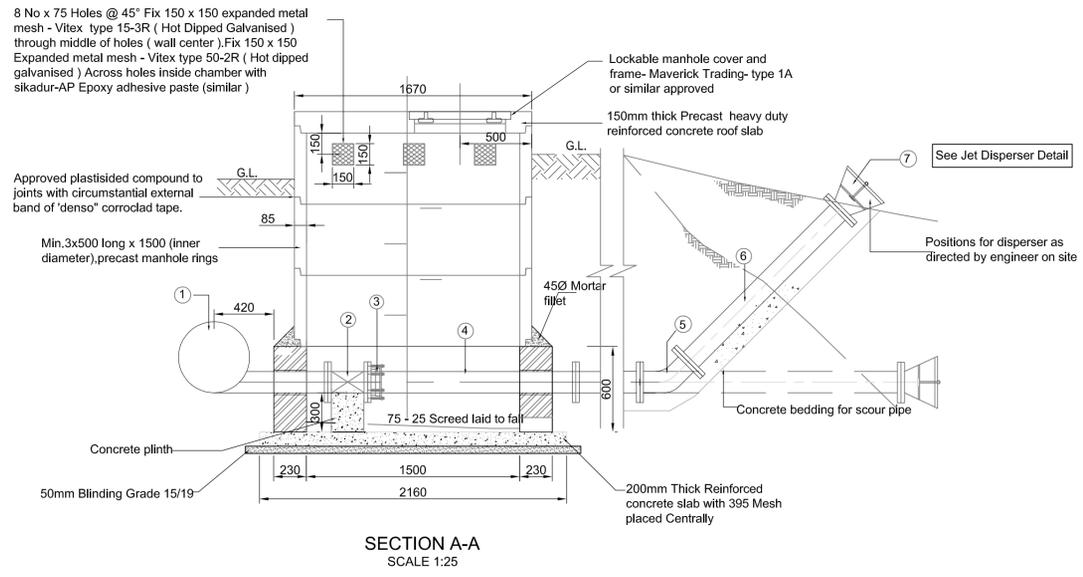
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7 Emke Street
Nelspruit
1200

Title
KINROSS EXT 33 WATER TYPICAL AIR VALVE PRECAST AND BRICKWORK ARRANGEMENT

CIVIL WATER DRAWINGS

Project No
WATER- DET - 036

Drawing No
WATER 200 Rev No **00**



ITEM	DESCRIPTION TO SUIT PIPE SIZES
1	Scour tee with flanged branch, 800mm C/F to suit
2	NB Wedge Gate Valve with handwheel
3	V.J Flange Adaptor
4	Steel Pipe, 600mm long F/F, one end flange, the other end plain with puddle flange
5	45° Flanged Bend to suit site
6	Steel pipe F/F, Flanged ends, length to suit site
7	Jet Disperser

NOTE:
All joints between manhole rings to be sealed with 'expandix butyl 300' with root inhibitor or similar approved.

LEGEND:

- PI SETTING OUT POINT OF WATER PIPE LINE
- ⊗ ISOLATING VALVE/RSV
- SCOUR VALVE
- ⊕ DOUBLE AIR VALVE

No	Description	Date	By

REVISIONS

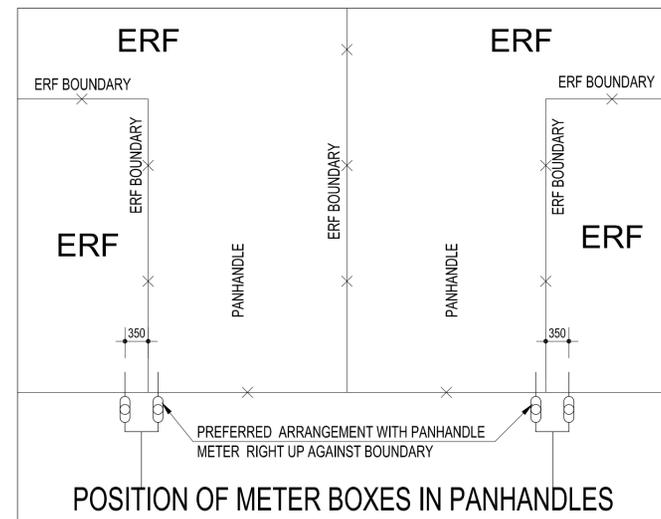
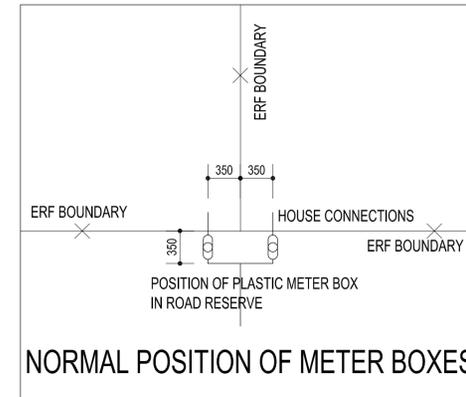
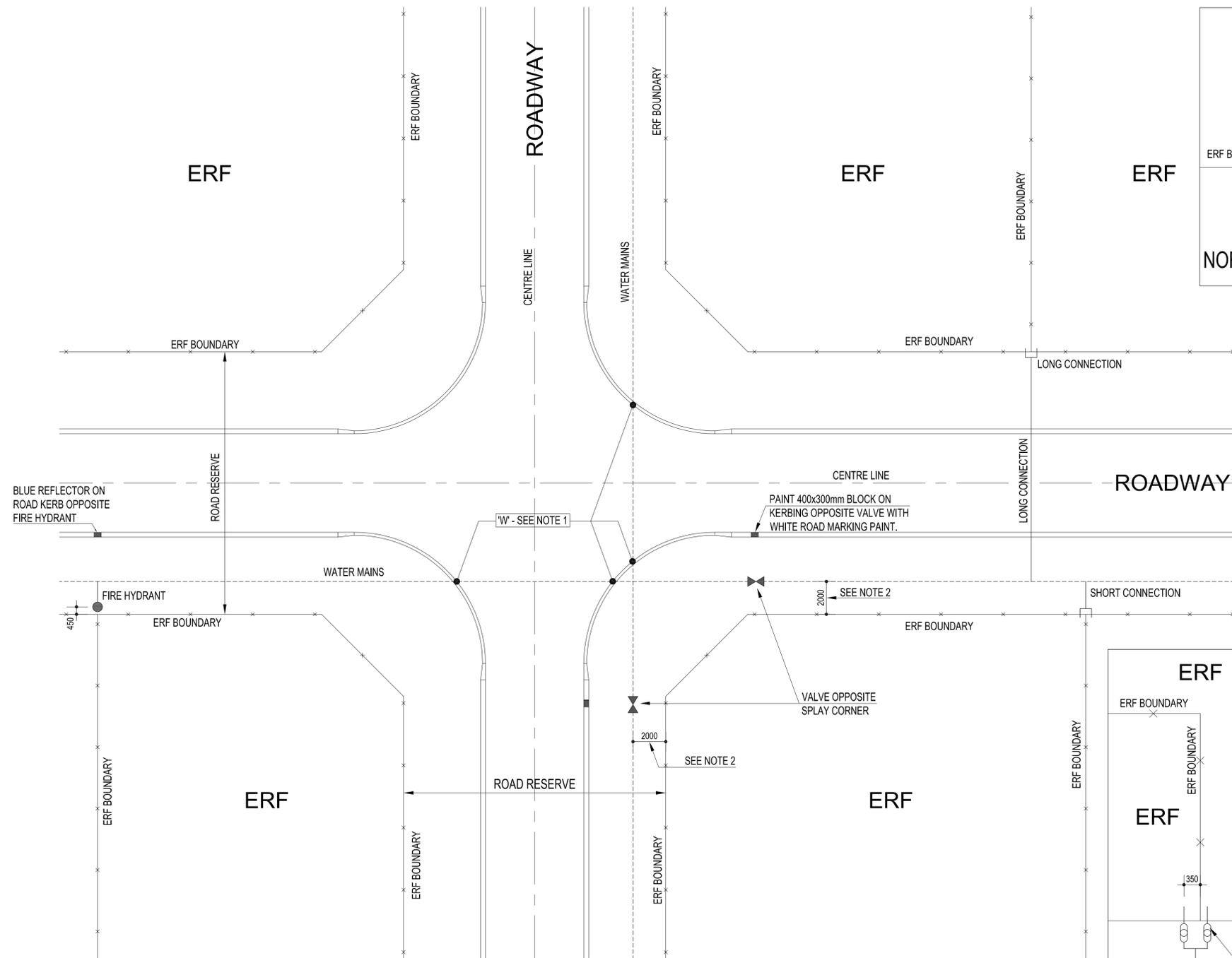
Approved by	Date
Drawn T Sondayi	Designed A.M
Checked A.M	Engineer T - Sondayi
Client App.	Date 20 Apr. 2020

Scale: As shown

FT CONSULTANTS PTY LTD
7 Emke Street
Nelspruit
1200

Title
KINROSS EXT 33 WATER TYPICAL SCOUR ARRANGEMENT

CIVIL WATER DRAWINGS
Project No
WATER- DET - 037
Drawing No
WATER 200
Rev No
00



- NOTES:**
1. THE LETTER "W" IS TO BE FORMED IN THE CONCRETE KERB OF ALL NEW ROADS TO IDENTIFY THE POSITION OF WATER RETICULATION PIPELINES.
 2. WHEN ROAD RESERVE IS LESS THAN 13m. WATER PIPES ARE PLACED 0,75m FROM ROAD RESERVE BOUNDARY.

- LEGEND:**
- P1 SETTING OUT POINT OF WATER PIPE LINE
 - ⊗ ISOLATING VALVE/RSV
 - ⊕ SCOUR VALVE
 - ⊕ DOUBLE AIR VALVE

No	Description	Date	By

REVISIONS

Approved by	Date
Drawn T. Sundayi	Designed A.M.
Checked A.M.	Engineer T. Sundayi
Client App.	Date 20 Apr. 2020

Scale: As shown

FT CONSULTANTS PTY LTD
7 Emke Street
Nelspruit
1200

Title
**KINROSS WATER
PLACING OF HYDRANTS, VALVES, HOUSE
CONNECTIONS AND MARKERS**

CIVIL WATER DRAWINGS

Project No	WATER- DET - 042
Drawing No	WATER 200
Rev No	00

EVALUATION CRITERIA

No.	Criteria	Description	Total score
1	<p>Bidder's (Company) Experience A minimum of 3-6 years company's experience in projects of a similar nature completed on time within budget and to the specified quality: -</p> <ul style="list-style-type: none"> ▪ Appointment letters; ▪ Completion certificates or copies of contracts 	<p>The points will be allocated as follows:</p> <ol style="list-style-type: none"> 1. Above 6 years –20 pts 2. 3 to 6 years –10 pts 3. 1 to 2 years_ 5 pts 	20
2	<p>Contract execution and quality (Methodology) Programme should entail but not limited to the following:</p> <ul style="list-style-type: none"> ▪ Procurement/Manufacturing of equipment/materials ▪ Delivery of materials ▪ Pipe installation method ▪ Testing and commissioning of Pipeline <p>Quality plan should cover following: -</p> <ul style="list-style-type: none"> • Compliance with specifications and standards • On-site quality control 	<p>The points will be allocated as follows:</p> <p>A. Contract Programme the work plan fits the projects deliverables well, important activities are indicated in the activity schedule and their timing is sequencing is appropriate and consistent with the project objectives and requirement. Quality Plan The quality plan is specifically tailored to critical characteristics of the contract projects – 20 pts</p> <p>B. Contract Programme All key activities are included in the activity schedule but are not detailed. There are only minor inconsistencies between timing and project deliverables Quality Plan: The quality approach is generic and not tailored to address the specific project objectives and requirements – 10pts</p> <p>D. Contract Programme: The activity omits important tasks or the timing of the activities and correlation among them are inconsistent with project deliverables, there is lack of clarity and logic in the sequencing Quality Plan: The quality approach and /or methodology are poor and is unlikely to satisfy project objectives or requirements. The bidder has misunderstood certain aspects of the scope of work/or does not deal with critical aspects of the projects – 5 pts</p>	20
3	<p>Key staff and their relevant skills</p> <p>The following key staff should form part of the bidder's core team: -</p> <p>Key Staff</p> <ul style="list-style-type: none"> • Contract Manager- Engineer / Technologist ECSA registered • Site Agent – National Diploma in built environment • Safety Officer – Courses in Safety or SAMTRAC which is recognized by OHS Qualification Body <p>NB: Key staff should have a minimum of 2-5 years project specific experience in projects of a similar nature in their respective disciplines</p>	<p>The points will be allocated as follows:</p> <ul style="list-style-type: none"> • 10 - Either 1 of key staff (Contract Manager, Site agent or Safety Officer) • 15- Combination of any 2 key staff (Contract Manager ,Site agent or Safety Officer) • 20- All of the 3 key staff (Contract Manager ,Site agent or Safety Officer) 	20
4	Bank Rating	<p>The points will be allocated as follows:</p> <ol style="list-style-type: none"> 1. A & B grading – 10 pts 	10

EVALUATION CRITERIA

	Issued with a stamp from a reputable bank (bank recognised by RSA government.)	<ol style="list-style-type: none"> 2. C grading - 8 pts 3. D grading - 5 pts 4. E grading and below – 0 pts 	
5	<p>Availability of Plant, Material and Equipment – Points are allocated for the availability of key required plant and equipment for the project in consideration.</p> <ul style="list-style-type: none"> • Excavator • TLB • 2X 6m³ Dump trucks • 2 x 1 Ton Bakkies • 1 x Grader • 1x Vibrator (for compaction of the pipe trenches) • 1 x Vibrator vehicle (for compaction of gravel roads) <p>Basic</p> <ul style="list-style-type: none"> • Owns One (01) of the required key (major) plant or equipment or can assure use of hired plant and equipment during the contract period <p>Above Basic</p> <ul style="list-style-type: none"> • Owns Two (02) of the required key (major) plant or equipment or can assure use of hired plant and equipment during the contract period <p>Combination of basic and above basic equipment</p> <ul style="list-style-type: none"> • Owns Three (03) of the required key (major) plant or equipment or can assure use of hired plant and equipment during the contract period 	<ul style="list-style-type: none"> • 10 – Basic equipment • 15 - Above basic equipment • 20 – Combination of basic and above basic equipment 	20
6	<p>Locality This is in respect to the area where the company's head office or main address is located, e.g. local municipality within a District</p>	<ol style="list-style-type: none"> 1. District – 10 points 2. Mpumalanga Province – 6 points 3. National (RSA) – 3 points 	10
Grand Total			100

Item No		Description	Unit	Quantity	Rate	Amount
	SANS 1200 A	SECTION A : PRELIMINARY AND GENERAL ITEMS				
A1	8.3.1	Contractual requirements	sum	1		
A2	8.3.2	Establishment of facilities on the site				
	8.3.2.1	Facilities for Engineer				
		a. Furnished offices (2 No.)	sum	1		
		b. Telephone	sum	1		
		c. Nameboards (2 No.)	sum	1		
A3	8.3.2.2	Facilities for contractor				
		a. Offices and storage sheds	sum	1		
		b. Workshops	sum	1		
		c. Laboratories	sum	1		
		d. Living accommodation	sum	1		
		e. Ablution and latrine facilities	sum	1		
		f. Tools and equipment	sum	1		
		e. Water supplies, electric power and communications	sum	1		
		h. Dealing with water	sum	1		
		i. Access	sum	1		
A3	8.3.3	Other fixed -charge obligations	sum	1		
A3.1	8.3.3	Health and Safety (OHS Obligation)				
		a. Provision of health and Safety according to the latest OHS and construction regulations 2014	sum	1		
A3.2	8.3.3	Complying with enviromental requirements (Provisional)	sum	1		
A4	8.3.4	Removal of site establishment	sum	1		
A5	PSA 8.3.5	(i) Provision for total de-establishment and re-establishment within 12 months at the instruction of the Engineer	Prov sum	1		
A6	8.4	Scheduled time-related items				
A6.1	8.4.1	Contractual requirements	sum	1		
A6.2	8.4.2	Operation and maintenance of facilities on site, for the duration of construction, except where otherwise stated				
A6.2.1	8.4.2.1	Facilities for Engineer				
A6.2.1.1		a. Furnished offices (2 No.)	sum	1		
A6.2.1.2		b. Telephone	sum	1		
A6.2.1.3		c. Nameboards (2 No.)	sum	1		
A6.2.1.4		d. Survey assistants and materials	sum	1		
A6.2.2	8.4.2.2	Facilities for contractor				
A6.2.2.1		a. Offices and storage sheds	sum	1		
A6.2.2.2		b. Workshops	sum	1		
A6.2.2.3		c. Laboratories	sum	1		
A6.2.2.4		d. Living accommodation	sum	1		
Carried Forward						

Item No		Description	Unit	Quantity	Rate	Amount
Brought Forward						
A6.2.2.5		e. Ablution and latrine facilities	sum	1		
A6.2.2.6		f. Tools and equipment	sum	1		
A6.2.2.7		e. Water supplies, electric power and communications	sum	1		
A6.2.2.8		h. Dealing with water	sum	1		
A6.2.2.9		i. Access	sum	1		
A6.3	8.4.3	Supervision for duration of construction				
A6.3.1		a. Construction manager	sum	1		
A6.3.2		b. Site Agent	sum	1		
A6.3.3		c. Supervisory staff other than those identified in 6. to 3.3	sum	1		
A6.3.4		d. Support staff not included in other sections of the Price List or items 3.1 to 3.4	sum	1		
A6.4	8.4.4	Company and head office overhead costs for the duration of the contract	sum	1		
A6.5	8.4.5	Other time -related obligations	Prov sum	1		
A6.6	8.85	Cost of survey in terms of the land survey act	sum	1		
A6.7		Equipment identified by the Contractor and not included in other sections or included elsewhere	sum	1		
A6.8	8.8	Temporary works identified by the Contractor	sum	1		
A6.9		Other method related charges identified by the Contractor and not included elsewhere	Prov sum	1		
A6.10	8.5 b	Health and safety				
A6.10.1		a. Health and safety compliance services	sum	1		
A6.10.2		b. Health and safety equipment and facilities	sum	1		
A6.10.3		c. Other identified by the Contractor	Prov. sum	1		
A6.11	8.5	Enviromental Requirements				
A6.11.1		Complying with enviromental requirements (Provisional)	sum	1		
A6.12		Provisional sums				
A6.12.1		Control tests ordered by the engineer	Prov Sum	1		
A6.13	8.8.6	Special water control in terms of project specifications	Prov Sum	1		
Section Total carried to Summary						

Item No		Description	Unit	Quantity	Rate	Amount
SECTION B : WATER RETICULATION						
B1	SANS 1200C	SITE CLEARANCE				
B1.1	8.2.1	Clear and grub pipeline routes 2m wide including removal of trees of girth less than 1m and dispose at an approved dumping site (not applicable where trenching is situated within road fill or road excavation)	m	1 486		
B1.2	8.2.2	Remove and grub large trees and tree stumps of girth:				
B1.2.1		a. Over 1m and up to and including 2m	No	1		
B1.2.2		b. Over 2m and up to and including 3m	No	1		
B1.2.3		c. Over 3m and up to and including 4m	No	1		
B1.3	PSC 8.2.5	Carefully remove block paving and store for re-use	m ²	120		
B1.4	PSC 8.2.6	Saw cut existing asphalt pavement, demolish and dispose at an approved dumping site	m	0		
B1.5	PSC 8.2.7	Reinstatement of existing pavements up to a depth of 550mm for surfaces:				
B1.5.1		a. 50mm thick continuously graded asphalt	m ²	45		
B1.5.2		b. Interlocking block paving with a thickness up to and including 100mm	m ²	68		
B1.6	PSC 8.2.8	Demolish and remove structures/buildings	Sum	1		
B1.7	8.2.9	Transport materials and debris to unspecified sites and dump	m ³ .km	200		
B1.8	8.2.10	Remove topsoil to nominal depth of 150mm and stockpile	m ³	45		
B1.9	PSC 8.2.9	Take down existing wire mesh fence and reinstate	m	25		
B2	SANS 1200DB	EARTHWORKS				
B2.1	8.2.3	Remove 2m wide strip of topsoil for pipe trench to a nominal depth of 150mm, stockpile and maintain (not applicable where trenching is situated within road fill or road excavation)	m ³	60		
B2.2	8.3.2 (a)	Excavate by hand in soft material to expose existing services and for connection to existing water lines	m ³	240		
B2.3	8.3.2 (a)	Dealing with existing services that intersect pipe trenches	m ³	150		
B2.4	8.3.2 (a)	<u>Restricted excavation:</u>				
B2.4.1		Excavate in all materials up to and including 2,5m depth for:				
B2.4.1.1		a. Concrete supports and thrust / anchor blocks	m ³	24		
B2.4.1.2		b. Isolation valves	m ³	12		
B2.5	8.3.2 (b)	Extra-over for Items B2.2 to B2.4 for excavation of:		36		
B2.5.1		a. Intermediate material	m ³	540		
B2.5.2		b. Hard rock material	m ³	160		
B2.6	8.3.2 (c)	Haulage for disposing of surplus material to an approved dumping site or as instructed by the Engineer				
B2.6.1		a. Short haul (0.5 to 1.0km)	m ³	400		
B2.6.2		b. Overhaul exceeding 1.0km	m ³ .km	200		
B3	SANS 1200DB	EARTHWORKS (PIPE TRENCHES)				
B3.1	8.3.2 (a)	Excavate in all materials up to 2.5m deep, use for backfill and compact to 95% Mod. AASHTO maximum density at O.M.C. and dispose of excess material as directed for all diameter pipelines	m ³	850		
B3.2	8.3.2 (b)	Extra-over for Item B3.1 for excavations deeper than 2.5m and up to 5m	m ³	300		
B3.3	8.3.2 (b)	Extra-over for Items B3.1 to B3.2 for excavation of:				
B3.3.1		8.3.2 (b) Intermediate material	m ³	85		
B3.3.2		8.3.2 (b) Hard rock material	m ³	520		
B3.4	8.3.2 (b)	Extra-over for Items B3.1 to B3.2 for treatment by screening of excavated material for use as backfill to pipe trenches	m ³	5 650		
B3.5	8.3.2 (b)	Extra-over for Items B3.1 to B3.2 for compaction in road reserves to road specifications for pipes regardless of diameter	m ³	1 200		
Carried Forward						

Item No		Description	Unit	Quantity	Rate	Amount
				Brought Forward		
B3.6	8.3.2 (b)	Extra-over for Item B3.1 for making up deficiency in backfill material by importing G7 material from commercial sources, backfill and compact to 95% Mod. AASHTO maximum density at O.M.C.	m ³	320		
B3.7	8.3.2 (b)	Excavation in hard rock where the use of explosives is prohibited	m ³	500		
B3.8	8.3.2 (c)	Haulage for disposing of surplus material to an approved dumping site or as instructed by the Engineer				
B3.8.1	a)	Short haul (0.5 to 1.0km) (Provisional)	m ³	240		
B3.8.2	b)	Overhaul exceeding 1.0km (Provisional)	m ³ .km	1 000		
B3.9	8.3.3	<u>Excavation Ancillaries</u>				
B3.9.1	8.3.3.1	Import backfill material from designated borrow pits (Provisional)	m ³	120		
B3.9.2	8.3.3.2	Opening up and closing down of designated borrow pit	ha	10		
B3.9.3	8.3.3.3	Compaction in road reserve	m ³	500		
B 3.10	8.3.3.4	<u>Overhaul</u>				
B 3.10.1	a)	Short haul (0.5 to 1.0km) (Provisional)	m ³	300		
B 3.10.2	b)	Overhaul exceeding 1.0km (Provisional)	m ³ .km	500		
B 3.11	8.3.4a	Shore trench opposite structure or service	m	100		
B 3.12	PSC8.3.4b)	Excavation of the pipe jacking launch pits	m ³	8		
B 3.13		<u>Existing services that intersect or adjoin a pipe trench</u>				
B 3.13.1	8.3.5a	a) Services that intersect a trench	no	10		
B 3.13.2	8.3.5b	b) Services that adjoin a trench	m	60		
B 3.14	8.3.6	Reinstate road surfaces complete with all courses				
B 3.14.1	8.3.6.1a	a) Gravel on shoulders	m ²	20		
B 3.14.2	8.3.6.1b	b) Asphalt of thickness 40mm in parking area	m ²	20		
B 3.14.3	8.3.6.1c	c) Asphalt of thickness 40mm in roadway	m ²	20		
B 3.15	8.3.7	Accommodation of traffic	Sum	1		
B 4	SANS BEDDING (PIPES)					
	1200LB					
B 4.1	8.2.1	Provision of bedding from trench excavation				
B 4.1.1	a)	Selected granular material	m ³	190		
B 4.1.2	b)	Selected fill material	m ³	415		
B 4.2	8.2.2	Supply only of bedding by importation				
B 4.2.1	8.2.2.1	From other necessary excavations (Provisional)				
B 4.2.1.1	a)	Selected granular material	m ³	16		
B 4.2.1.2	b)	Selected fill material	m ³	16		
B 4.2.2	8.2.2.2	From borrow pits (Provisional)				
B 4.2.2.1	a)	Selected granular material	m ³	12		
B 4.2.2.2	b)	Selected fill material	m ³	12		
				Carried Forward		

Item No		Description	Unit	Quantity	Rate	Amount
				Brought Forward		
B 4.2.3	8.2.2.3	From Commercial sources (Provisional)				
B 4.2.3.1		a) Selected granular material	m ³	160		
B 4.2.3.2		b) Selected fill material	m ³	125		
B4.3	8.2.1	Extra-over for Item B4.1 for treatment of excavated material to make it suitable for bedding of pipes by:				
B4.3.1		a) Screening	m ³	34		
B4.3.2		b) Washing	m ³	36		
B4.3.3		c) Cement Stabilization (4% cement)	m ³	36		
B4.4		Provision of 19mm crushed stone bedding material to form a sub-drain where instructed by the Engineer; from commercial sources	m ³	42		
B4.4.1	8.2.3	Concrete bedding cradle class 20/19	m ³	2		
B4.4.2	8.2.4	Encasing of pipes in concrete class 20/19	m ³	2		
B4.4.3	8.2.5	Overhaul of material for bedding cradle and selected fill blanket (Provisional)	m ³ .km	300		
B5	SANS 1200L	PIPELINES				
B5.1	8.2.1	Supply, lay and bed uPVC pipes, complete with couplings for diameters of:				
B5.1.1		a) 90mm, Class 12	m	6		
B5.1.2		b) 110mm, Class 12	m	6		
B5.1.3		c) 160mm, Class 12	m	1 490		
B5.1.4		d) 200mm, Class 12	m	0		
B5.1.5		e) 250mm, Class 12	m	0		
B 5.2	8.2.1	HDPE class 12 pipes to SABS ISO 4427 PE100				
B 5.2.1		a) 75mm diameter	m	0		
B 5.2.2		b) 63mm diameter	m	0		
B 5.2.3		c) 40mm diameter	m	0		
B 5.2.4		d) 32mm diameter	m	0		
B 5.2.5		e) 25mm diameter	m	0		
B 5.2.6		f) 20mm diameter	m	0		
B5.3	8.2.5	<u>Pipe specials:</u> Extra-over for Items B5.1 to B5.4 for the supply, lay and bedding of pipe specials complete with couplings:				
	8.2.5	<u>Bends and Elbows:</u>				
B 5.3.1		11¼° to 45°: uPVC:				
B 5.3.1.1		a) 90mm, Class 16	No.	0		
B 5.3.1.2		b) 110mm, Class 16	No.	0		
B 5.3.1.3		c) 160mm, Class 16	No.	6		
B 5.3.1.4		d) 200mm, Class 16	No.	0		
B 5.3.1.5		e) 250mm, Class 16	No.	0		
				Carried Forward		

Item No	Description	Unit	Quantity	Rate	Amount
			Brought Forward		
B 5.3.2	45° to 90°: uPVC:				
B 5.3.2.1	f) 90mm, Class 16	No.	0		
B 5.3.2.2	g) 110mm, Class 16	No.	0		
B 5.3.2.3	h) 160mm, Class 16	No.	5		
B 5.3.2.4	i) 200mm, Class 16	No.	0		
B 5.3.2.5	j) 250mm, Class 16	No.	0		
B 5.3.3	8.2.5 <u>T-pieces: uPVC:</u>				
B 5.3.3.1	a) 90mm, equal tee, socketed, Class 16	No.	0		
B 5.3.3.2	b) 110mm, equal tee, socketed, Class 16	No.	0		
B 5.3.3.3	c) 160mm, equal tee, socketed, Class 16	No.	0		
B 5.3.3.4	c) 200mm, equal tee, flanged, Class 16	No.	0		
B 5.3.4	8.2.5 <u>Reducers M&F Class 16:</u>				
B 5.3.4.1	a) 110 x 90mm, Class 16, socketed	No.	0		
B 5.3.4.2	b) 160 x 110mm, Class 16, socketed	No.	0		
B 5.3.4.3	c) 200 x 160mm, Class 16, socketed	No.	0		
B 5.3.5	8.2.5 <u>Reducers, mild steel, flanged:</u>				
B 5.3.5.1	110 x 90, Class 16	No.	0		
B 5.3.5.1	160 x 110, Class 16	No.	0		
B 5.3.6	8.2.5 <u>Flanged adaptors for uPVC pipes of diameters:</u>				
B 5.3.6.1	a) 90mm, Class 16	No.	0		
B 5.3.6.2	b) 110mm, Class 16	No.	0		
B 5.3.6.3	c) 160mm, Class 16	No.	3		
B 5.3.6.4	d) 200mm, Class 16	No.	0		
B 5.3.7	8.2.5 <u>Mild steel blank flange of diameters:</u>				
	160mm, Class 16	No.	1		
B 5.6	8.2.5 <u>Valves and specials:</u>				
B 5.6.1	8.2.5 Supply and install resilient seal gate valves with cap-top operated non-rising spindle and clockwise closing with a pressure rating as indicated complete with spindle tops:				
B 5.6.1.1	a) 90mm, Class 16, flanged	No.	0		
B 5.6.1.2	b) 110mm, Class 16, flanged	No.	0		
B 5.6.1.3	c) 160mm, Class 16, flanged	No.	3		
B 5.6.1.4	d) 200mm, Class 16, flanged	No.	0		
B5.6.2	8.2.5 100mm Ø scour valve complete with resilient seal gate valve and steel extention pipe, steel T-piece with 100mm Ø flanged outlet welded to pipe with flanged adaptors				
	complete as per drawings for pipeline diameters:				
B5.6.2.1	a) 90mm, Class 16	No.	0		
B5.6.2.2	b) 110mm, Class 16	No.	0		
			Carried Forward		

Item No		Description	Unit	Quantity	Rate	Amount
				Brought Forward		
B5.6.2.3		c) 160mm, Class 16	No.	2		
B5.6.2.4		d) 200mm, Class 16	No.	0		
B5.6.3	8.2.5	100mm Ø double acting air release valve complete with resilient seal gate valve, steel extension pipe, steel reducer to 100mm, equal T-piece with diameter of pipe and Viking Johnson flexible couplings as per drawings for pipeline diameters:				
B5.6.3.1		a) 110mm, Class 16	No.	0		
B5.6.3.2		b) 160mm, Class 16	No.	0		
B5.6.3.3		c) 200mm, Class 16	No.	0		
B5.6.4	8.2.5	80mm Ø fire hydrant complete with tamper proof Woodlands type hydrant double lug outlet with "Storz" coupling and stainless steel spindle, 80mm galvanised steel extension pipe, 80mm flanged elbow and hydrant T-piece as per drawings for pipeline diameters:				
B5.6.4.1		a) 90mm, Class 16	No.	3		
B5.6.4.2		b) 110mm, Class 16	No.	2		
B5.6.4.3		c) 160mm, Class 16	No.	2		
B5.6.4.4		d) 200mm, Class 16	No.	0		
B6	SANS 1200L	STRUCTURES:				
B6.1	8.2.13	Supply all material and construct isolating gate valve access structure complete as per drawings including valve box cover and frame	No.	2		
B6.2	8.2.14 b	Scour valve chamber:				
B6.2.1		Excavate in all material for scour valve chamber to a depth up to and including 2.5m, backfill and compact to 93% Mod. AASHTO maximum density at O.M.C. and dispose of surplus material as directed by the Engineer	m ³	3		
B6.2.2		Extra-over for Item B6.2.1 for excavation of:				
B6.2.2.1		a) Intermediate material	m ³	5		
B6.2.2.2		b) Hard rock material	m ³	5		
B6.2.3	8.2.14 b	Concrete:				
B6.2.3.1		a) Supply, cast and compact Grade 25/20 concrete to base as indicated on drawings	m ³	10		
B6.2.3.2		b) Supply and install 1000 x 1000 x 200mm thick no-fines concrete block complete with 250 micron DPC sheet between scour manhole floor and no-fines top	m ²	4		
B6.2.3.3		c) Supply, fix and place high tensile steel reinforcement up to and including Y20 bars	t	1.0		
B6.2.4	8.2.11	Formwork:				
B6.2.4.1		a) Vertical narrow widths up to 300mm for base and roof slabs	m	8		
B6.2.4.2		b) Vertical smooth to walls	m ²	12		
B6.2.4.3		c) Horizontal smooth to roof slab	m ²	10		
B6.2.4.4		d) Box out weep holes of 50mm dia. to a depth up to and including 200mm	No.	2		
				Carried Forward		

Item No		Description	Unit	Quantity	Rate	Amount
				Brought Forward		
B6.2.5	8.2.11	Supply and install galvanised wire "Reno" mattresses complete including the supply and packing of rockfill including surface preparation for mattress size:				
B6.2.5.1		a) 1200 x 1500 x 200mm	No.	5		
B6.2.5.2		b) 1400 x 1500 x 200mm	No.	5		
B6.2.5.3		c) 1500 x 1500 x 200mm	No.	5		
B6.3	8.2.14 b	Air valve chamber:				
B6.3.1		Excavate in all material for air valve chamber to a depth up to and including 2.5m, backfill and compact to 93% Mod. AASHTO maximum density at O.M.C. and dispose of surplus material as directed by the Engineer	m ³	3		
B6.3.2		Extra-over for Item B6.3.1 for excavation of:				
B6.3.2.1		a) Intermediate material	m ³	2		
B6.3.2.2		b) Hard rock material	m ³	6		
B6.3.2.3		c) Supply and install pre-cast concrete manhole rings of diameter 1130mm complete as shown on drawings	No.	2		
B6.3.4		Supply and install 560mm diameter heavy duty concrete cover with galvanised steel ring encased in concrete as shown on drawings	No.	1		
B6.3.5		Supply and install cover slab as per drawings	No.	5		
B6.3.6		Import and place 19mm crushed stone as indicated on drawings	m ³	20		
B7		HIGH TENSILE WELDED MESH REINFORCEMENT				
B7.1		Ref. 617	m ²	6		
B7.2		Ref. 395	m ²	4		
B8	SANS 1200L	Manholes, Structures and concrete works:				
B8.1	8.2.11	Grade 25/20 concrete to thrust/anchor blocks including rough formwork	m ³	8		
B8.2	8.2.11	Precast pipeline markers complete as per drawings	No.	6		
B8.3	8.2.12	Grade 20/20 mass concrete encasement of pipes where instructed by the Engineer	m ³	2		
B9						
B9.1	PSC 8.2.12c	MISCELLANEOUS Connection to existing pipes: Specials and fittings required for connection to existing water supply system which are not measured elsewhere	Prov Sum	1	#####	150 000.00
C10	SANS 1200LF	ERF CONNECTIONS				
C10.1	8.2.1	Provide Erf Connections Complete as per drawing				
C10.1.1		a) up to 3 m from supply line	No	0.00		
C10.1.1.1		i) Single connection	No	0		
C10.1.1.2		ii) Double connection	No	0		
C10.1.2		b) Up to 15m from supply line	No	0.00		
C10.1.2.1		i) Single connection	No	0		
C10.1.2.2		ii) Double connection	No	0		
C10.3	8.2.2	Supply, Lay, and Test 25mm HDPE Erf Connections	m	0.00		
				Carried Forward		

Item No	Description	Unit	Quantity	Rate	Amount
Brought Forward					
C10.3	8.2.2 Supply, Lay, and Test 25mm HDPE Erf Connections	m	0.00		
C10.4	8.2.3 Extra-Over Item 8.2.2 for Specials (if any)	No	0.00		
C10.5	8.2.4 Supply and Install 20mm water meters above ground complete with meter box with lockable lid for 20mm polymer fitting	No	0		
C10.6	8.2.5 Supply and Install 20mm digital smart water meter with automated reading capability level with ground complete with meter box with lockable lid for 20mm polymer fitting	No	0.00		
C10.7	8.2.6 Site Testing of Meters, when ordered (Provisional)	No	0.00		
C10.8	8.2.7 Supply and Install stop taps complete with special fittings	No	0.00		
C10.9	8.2.8 Supply and Install Surface Boxes 310 x 20mm oval met plas valve	No	0.00		
C10.10	8.2.9 Markings or Marker Posts	No	12.00		
C10.11	PSC 8.2.9 Supply, handle and stand communal standpipes as entailed on the drawings.	No	0.00		
C10.11	SANS 1200L 8.2.9 Remove(Blank Off)Illegal Yard Connection for the following pipe diameters, by using a Repair Coupling, Excavation and backfill measure under item B.2.1.3 Repair coupling for PVC pipework:	No	0.00		
C10.11.1	a) 63mm dia PVC pipe	No	0.00		
C10.11.2	b) 75mmdia PVC pipe	No	0.00		
C10.11.3	c) 90mm dia PVC PIPE	No	0.00		
C10.11.4	d) 110mmdia PVC pipe	No	0.00		
C10.11.5	e) 160 mmdia PVC pipe	No	0.00		
C10.11.6	f) 200mmdia PVC pipe	No	0.00		
Carried Forward					

Item No	Description	Unit	Quantity	Rate	Amount
D12	DAYWORKS				
D12.1	Dayworks Labour				
D12.1.1	Contractor's Representative	hr	6		
D12.1.2	Surveyor	hr	4		
D12.1.3	Qualified artisan	hr	12		
D12.1.4	Foreman, leader-hand (9 hr/workday)	workday	3		
D12.1.5	Semi-skilled labourer (9 hr/workday)	workday	10		
D12.1.6	Labourer (9 hr/workday)	workday	10		
D12.2	<u>Planthire : Work Rates on Site</u>				
D12.2.1	<u>Tipper truck (specify capacity)</u> 5m ³ (small)	hr	6		
D12.2.2	10m ³ (large)	hr	6		
D12.2.3	<u>Flat bed truck (specify capacity)</u> a) 5 ton (small)	km	160		
D12.2.4	LDV	km	200		
D12.2.5	Wheel loader: m ³ bucket (specify type)	hr	6		
D12.2.6	Grader (CAT 140G or similar)	hr	8		
D12.2.7	<u>TLB (Tractor Loader Backhoe)</u> Backhoe TLB type (CAT 428 or equivalent)	hr	4		
D12.2.8	<u>Compactor</u> Pedestrian Roller (Bomag BW 90 or similar)	hr	4		
D12.2.9	<u>Concrete mixer (Diesel or Electrical)</u> a) 310L (small towable)	hr	4		
D12.2.10	<u>Miscellaneous</u>	hr	4		
D12.2.11	a) Compressor complete with capacity of ± 10m ³ /min b) Dewatering pump including generators and accessories (50mm pump, 600 litres per minute)	hr	12		
Section Total carried to Summary					

GOVAN MBEKI LOCAL MUNICIPALITY

Kinross Ext 33 Existing Concrete Reservoir Repair

ITEM NO.	PAYMENT REF	DESCRIPTION	UNIT	Qty	RATE	AMOUNT
3.1	SABS 1200C	<u>SITE CLEARANCE</u>				
3.1.1	8.2.3	Remove and grub all grass, trees and tree stumps regardless of girth	ha	0.25		
3.2	SABS 1200D	<u>BULK EXCAVATION</u>				
3.2.1	8.3.2a)	Excavate in all materials and dispose of surplus materials.				
		a) Up to 1,5m deep	m ³	2		
		b) Over 1,5 up to 3m deep	m ³	3		
3.2.2	8.3.2b)	<u>Extra-over item 2.2.1 for</u>				
		1) Intermediate excavation (Provisional)	m ³	2		
		2) Hard rock excavation (Provisional)	m ³	2		
3.2.3	8.3.3	<u>Restricted Excavation</u>				
		Excavate for restricted foundations, footings and use for				
		a) backfill.	m ³	3		
		b) Extra over for Intermediate Excavation	m ³	2		
3.3	SABS 1200G	<u>CONCRETE (STRUCTURAL)</u>				
3.3.1	8.2.1	Rough formwork (Rates to include all scaffolding supports)	m ²	24		
	8.2.2	Smooth formwork (Rates to include all scaffolding supports)	m ²	20		
3.3.2	8.3.1	<u>Steel Bars</u>				
		The rate includes the supply and placing, no allowance will be made for cutting, waste, space devices or biring wire.				
		1. High tensile bars	ton	0.5		
		2. Mild bars	ton	0.2		

ITEM NO.	PAYMENT REF	DESCRIPTION	UNIT	Qty	RATE	AMOUNT
Brought Forward						
3.4		<u>Waterproofing</u>				
3.4.1	B8.3.2	Sealing of joints with polysulphide compound	m	149		
3.4.2		Diamond grinding to interior surfaces of walls, slab and column encasements in order to remove existing waterproof coatings and the soft carbonated , micro-cracked layer of underlying concrete.	m ²	1950		
3.4.3		Cracks repair via high pressure epoxy injection using Sikadur 52ZA, including all application nipples, crack surface filling and application equipment. (Quantity based on 30m long crack estimated at being 100mm deep and 1mm wide).	£t	118		
3.4.4		Repair spalls using a fibre reinforced repair mortar like Sika Monotop 612, including Sika Armatec 110 Epocem anti-corrosion coating and bond coat. (Quantity based on 3.1m ² of repair and estimated at an average Of 30mm deep).	£t	250		
3.4.5		Use Sikagard 720 Epocem to replace the replaced deficient layer of concrete. Applied at 2mm thick.	m ²	1250		
3.4.6		Apply Sikagard 62N Epoxy lining system, including the application of Sikafloor 161 Primmer and 2 coats of the Sikagard 62N, allowing to dry between coats.	m ²	306		
3.4.7		Application of 250mm flexiband with contact adhesive	m	224		
3.5	SABS 1200H	<u>STRUCTURAL STEELWORK</u>				
3.5.1	8.3.1.2	Supply and fabrication of steel work				
3.5.2		(a) Supply, fabrication and erection of ladders for inspection /access complete with pedestal. See drawing number 167/2015/CR-LA/01	No	1		
3.6	SABS 1200 LD	Provision of the following galvanised steel pipes and fittings				
3.6.1		Drop down testing before and after fixing the concrete (a) reservoir.	No.	1		
3.6.2		(b) Water Level indicator	No.	1		
3.7	B8.3.2	Fixing of existing fence (45m length x 2.4m height.	Prov. Sum	1		
TOTAL SECTION CARRIED FORWARD TO SUMMARY:						

Item No		Description	Unit	Quantity	Rate	Amount
C		SECTION C : STEEL TANK				
C11	SANS	STEEL TANK				
C11.1	1200C	SITE CLEARANCE				
C11.1.1	8.2.1	Clear and Grub a) Clear and grub around proposed tank location	ha	0.2		
C11.2	1200DA	EARTHWORKS				
C11.2.1	8.3.1	Excavations a) Excavate in all materials and use for embankment or bankfill or dispose b) Extra over for: i. Intermediate Excavation ii. Hard rock excavation iii. Boulders excavation, Class A iv. Boulders excavation, Class B	m ³	460		
C11.3	1200G	CONCRETE				
C11.3.1	8.2	<u>Formwork</u>				
C11.3.1.1	8.2.1	Rough formwork	m ²	120		
C11.3.1.2	8.2.2	Smooth formwork	m ²	300		
C11.3.2	8.3	<u>Reinforcement</u> The rate includes the supply and placing, no allowance will be made for cutting, waste, spacer devices or binding wire.				
C11.3.2.1	8.3.1	a. Mild steel bars b. High tensile steel bars	t t	3 6		
C11.3.3	8.4	<u>Concrete</u> The rate includes the mixing or supply, the transportation, the placing, the vibration, the compaction and the curing				
	8.4.2	Blinding layer 50mm thick	m ²	192		
	8.4.3	Concrete grade a. 30 MPa concrete b. 20 MPa concrete screed	m ² m ²	110 30		
	8.4.4	Unformed surface finishes a. wood-floated finishes	m ²	440		
C11.4		<u>Sectional Steel Tank</u> The rate includes supply, transportation, assembling and commissioning				
C11.4.1		a) Supply of 500 kl (10 x 8.7 x 4.9m) sectional steel tank complete with inlet pipe, outlet pipe, overflow pipe, scour pipe, ball valve, 10m galvalised stand and level indicator.	No.	2		
C11.4.2		Supply and construction of 1.80m high standard security fence complete with posts and gate as required, to approval of the Engineer.	Sum	1		
			Section Total carried to Summary			

Item No	Payment ref	Description	Unit	Quantity	Rate	Amount
	SANS 1200DB	SECTION F: SEWER DRAINAGE				
D1		SITE CLEARANCE				
D1.1	8.3.1 (a)	Clear and grub pipeline routes 2m wide including removal of trees of girth less than 1m and dispose at an approved dumping site (not applicable where trenching is situated within road fill or road excavation).Also remove 150mm of topsoil.	m	1 975		
D1.2	8.3.1 (b)	Remove and grub large trees and tree stumps of girth:				
D1.2.1	a.	Over 1m and up to including 2m	No	1		
D1.2.2	b.	Over 2m and up to including 3m	No	1		
D1.2.3	c.	Over 3m and up to including 4m	No	1		
D1.3	8.3.1 (c)	Remove topsoil to depth of 100mm and stockpile	m³	400		
D2		EARTHWORKS				
D2.1	8.3.1 (c)	Remove 2m wide strip of topsoil for pipe trench excavation to a nominal depth of 150mm, stockpile and maintain (not applicable where trenching is situated within road fill or road excavation)	m³	593		
D2.2	8.3.2 (a)	Excavate by hand in soft material to expose existing services and for connection to existing sewer lines	m³	25		
D2.3	8.3.5 (a)	Dealing with existing services that intersect pipe trenches	m³	30		
D2.4	8.3.2 (a)	<u>Restricted excavation:</u>				
D2.4.1		Excavate in all materials up to and including 2,5m for:				
D2.4.1.1		Concrete supports and anchor blocks	m³	10		
D2.5	8.3.2 (b)	Extra-over for Items F2.2 to F2.4 for excavation of:				
D2.5.1	a.	Intermediate material	m³	10		
D2.5.2	b.	Hard rock material	m³	200		
D2.6	8.3.3.4	Haulage for disposing of surplus material to an approved dumping site or as instructed by the Engineer				
D2.6.1	a.	Short haul (0.5 to 1.0km)	m³	1 500		
D2.6.2	b.	Overhaul exceeding 1.0km	m³.km	725		
D2.7	8.3.2 (c)	Excavate and dispose of unsuitable material from trench bottom (Provisional)	m³	150		
D3.1	8.3.2 (a)	EARTHWORKS (PIPE TRENCHES)				
D3.1.1	8.3.2 (a)	Excavate in all materials up use for backfill and compact to 95% Mod. AASHTO maximum density at O.M.C. or dispose of excess material as directed, for all diameter pipelines for depth of:				
	i	0,0 - 1,0	m	64		
	ii	1,0 - 2,0	m	1 345		
	iii	2,0 - 3,0	m	372		
	iv	3,0 - 4,0	m	68		
	v	4,0 - 5,0	m	124		
	vi	Over 5,0	m	0		
D3.1.2	8.3.2 (b)	Extra-over for Item F3.1.1 for excavations deeper than 2.5 up to 5m	m³	312		
D3.2	8.3.2 (b)	Extra-over for Items F3.1.1 to F3.1.2 for excavation of:				
D3.2.1	a.	Intermediate material	m³	50		
D3.2.2	b.	Hard rock material	m³	20		
D3.3	8.3.2 (b)	Extra-over for Items F3.1.1 to F3.1.2 for treatment by screening of excavated material for use as backfill to pipe trenches	m³	53		
D3.4	8.3.3.3	Extra-over for Items F3.1.1 to F3.1.2 for compaction in road reserves to road specifications for pipes regardless of diameter	m³	50		
D3.5	8.3.3	Excavation ancillaries				
	8.3.3.1	Make up deficiency in backfill material (Provisional)				
	8.3.3.1 (a)	a. From necessary excavations on site	m³	25		
Carried Forward						-

Item No	Description	Unit	Quantity	Rate	Amount
				Brought Forward	-
	8.3.3.1 (b) b. By importation from a designated borrow pits	m³	150		
	8.3.3.1 (c) c. Extra-over for Item F3.1.1 making up deficiency in backfill material by importing G7 material from commercial sources, backfill and compact to 95% Mod. AASHTO maximum density at O.M.C.	m³	100		
D3.6	8.3.2 (b) Excavation in hard rock where the use of explosives is prohibited	m³	100		
D3.7	8.3.3.4 Haulage for disposing of surplus material to an approved dumping site or as instructed by the Engineer				
D3.7.1	a. Short haul (0.5 to 1.0km)	m³	500		
D3.7.2	b. Overhaulage exceeding 1.0km	m³.km	943		
D4	SANS 1200LB BEDDING (PIPES)				
D4.1	8.2.1 Provision of bedding from trench excavation				
	a) Selected granular material	m³	200		
	b) Selected fill material	m³	40		
D4.2	8.2.2 Supply only of bedding by importation				
	8.2.2.1 From other necessary excavations (Provisional)				
	a) Selected granular material	m³	10		
	b) Selected fill material	m³	10		
D4.3	8.2.2.2 From borrow pits (Provisional)				
	a) Selected granular material	m³	10		
	b) Selected fill material	m³	10		
D4.4	8.2.2.3 From Commercial sources (Provisional)				
	a) Selected granular material	m³	10		
	b) Selected fill material	m³	10		
D4.5	8.2.1 Extra-over for Item F4.1 for treatment of excavated material to make it suitable for bedding of pipes by:				
D4.5.1	a. Screening	m³	10		
D4.5.2	b. Washing	m³	10		
D4.5.3	c. Cement Stabilization (4% cement)	m³	10		
D4.6	Provision of 19mm crushed stone bedding material to form a sub-drain where instructed by the Engineer; from commercial sources	m³	6		
D5	SANS 1200 LD PIPELINES				
D5.1	8.2.1 Supply, Lay, Joint, Bed (Class B), Test Pipeline complete with couplings for pipes of diameter:				
	a. 110mm uPVC Class 34	m	0		
D5.1.1	b. 160mm uPVC Class 34	m	800		
D5.1.2	c. 200mm uPVC Class 34	m	870		
D5.1.3	d. 315mm uPVC Class 35	m	370		
D5.2	8.2.2 Extra-over item F5.1 for supply, lay, joint, bed class B and testSpecials				
	a. 110mm roding eye 45°	No.	0		
	b. 45° bend	No.	0		
				Carried Forward	-

Item No	Description	Unit	Quantity	Rate	Amount
				Brought Forward	-
D5.2	8.2.2 Extra-over item F5.1 for supply, lay, joint, bed class B and testSpecials c. 110mm diameter junction 45°	No.	0		
	d. 110mm diameter gully head and grate	No.	0		
	e. Concrete gully and grate	No.	0		
D6	8.3.2 MANHOLES				
D6.1	8.3.2 Supply, install and test 1250mm Ø precast concrete manholes complete with cover and frame for all diameter pipelines:				
D6.1.1	a. Up to 2.5m deep	No.	47		
D6.1.2	b. 2.5m and up to 3,2m deep	No.	2		
D6.1.3	c. 3.2m and up to 5,0m deep	No.	1		
D6.1.4	9. Over 5.0m deep	No.	0		
D6.2	8.3.2 Supply, install and test 1250mm Ø precast concrete manholes complete with cover and frame for all diameter pipelines:				
D6.2.1	a. Up to 3.0m deep	No.	1		
	b. Over 3m and up to 5.0m deep	No.	0		
D6.3	8.2.5 Inspection chambers complete type 4 cover and frame, for depth over and up to:				
	a. 1.0m - 1.5m	No.	0		
	b. 1.5m - 2.5m	No.	0		
	c. 2.5m - 3.5m	No.	0		
	d. 3.5m - 5.0m	No.	0		
D7	SUNDRIES				
D7.1	8.2.6 Erf connections as per Dwg. No. SH-2333-233 complete with fittings				
	a. 110mm, upto 5m long, to sewers upto 225mm	No.	0		
	b. 110mm, 5 - 15 m long, to sewers upto 225mm	No.	0		
D7.2	8.2.7 Encasing of pipes in concrete				
	a. Grade 20/19 mass concrete encasement of 110mm pipes where instructed by the Engineer	m³	0		
	b. Grade 20/19 mass concrete encasement of 160mm pipes where instructed by the Engineer	m³	10		
D7.3	8.2.8 Grade 25/20 concrete to thrust/anchor blocks including rough formwork	m³	6		
D7.4	8.2.9 Precast pipeline markers complete as per drawings	No.	0		
D7.5	8.2.10 Permanent plug stoppers (Provisional)	No.	0		
D7.6	8.2.11 Connection to Existing Sewer at ... including flexible joints and make good all benching	No.	2		
D7.7	8.2.12 Raising or lowering of existing manholes	No.	4		
D8	MISCELLANEOUS				
D8.1	Testing of manholes (Provisional)	Sum	1		
D8.2	Connect to existing sewer system (Provisional)	Sum	1		
Section Total carried to Summary					-

A

SUMMARY OF BILL OF QUANTITIES

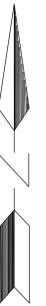
SECTION	DESCRIPTION	TOTAL AMOUNT
A	SECTION A : GENERAL ITEMS	
B	SECTION B : WATER RETICULATION	
C	SECTION C : CONCRETE RESERVOIR	
D	SECTION D: ELEVATED TANKS	
E	SECTION E: SEWER DRAINAGE	
	SUB-TOTAL	
	VAT @ 15%	
	TOTAL CARRIED TO FORM OF OFFER	

PORTION 4
ZONDAGSKRAAL 125 IS

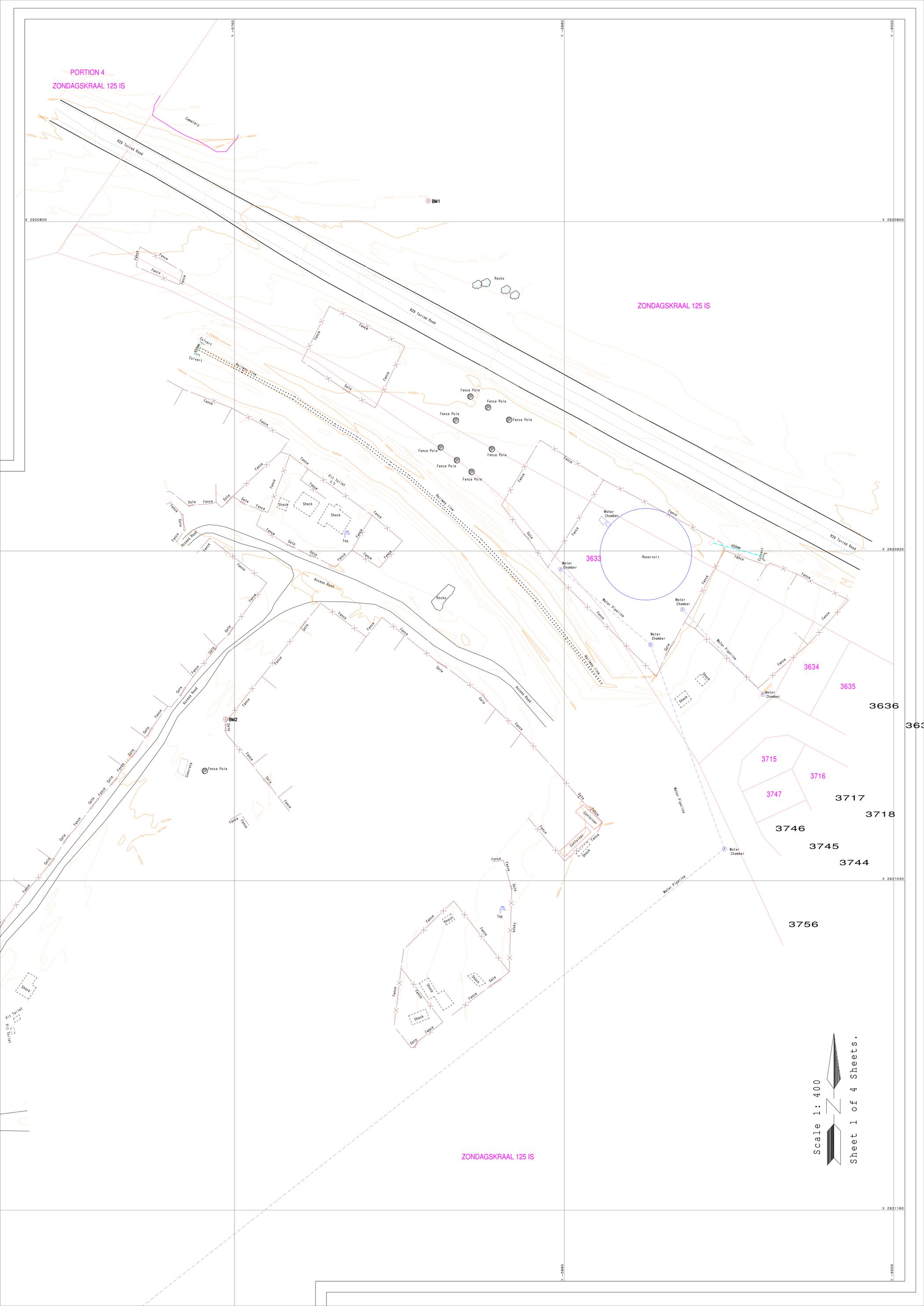
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Sheet 1 of 4 Sheets.

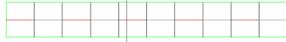


DETAIL SURVEY PLAN

PROPOSED ACCESS ROAD OVER A PORTION OF THE FARM ZONDAGSKRAAL No.125-1S SITUATE IN GOVAN NBEKI LOCAL MUNICIPALITY KINROSS PROVINCE OF MPUMALANGA

SCALE 1 : 400

A0 Paper Fit



1 div = 4,50 m

MAPPING INFORMATION

COORDINATE SYSTEM

National Grid System WG 29

HEIGHT SYSTEM

Trig Based Mean Sea Level

Contours

Major Interval : 2.50 m

Minor Interval : 0.50 m

BENCH MARKS (WG SYSTEM)

POINT	Y	X	Z	MARKER
BM1	-5830.51	+2920792.44	1662.12	12 mm Iron Peg.
BM2	-5756.76	+2920981.17	1669.17	12 mm Iron Peg.
BM3	-5618.22	+2921218.97	1673.98	12 mm Iron Peg.

ZONDAGSKRAAL 125 IS

ZONDAGSKRAAL 125 IS

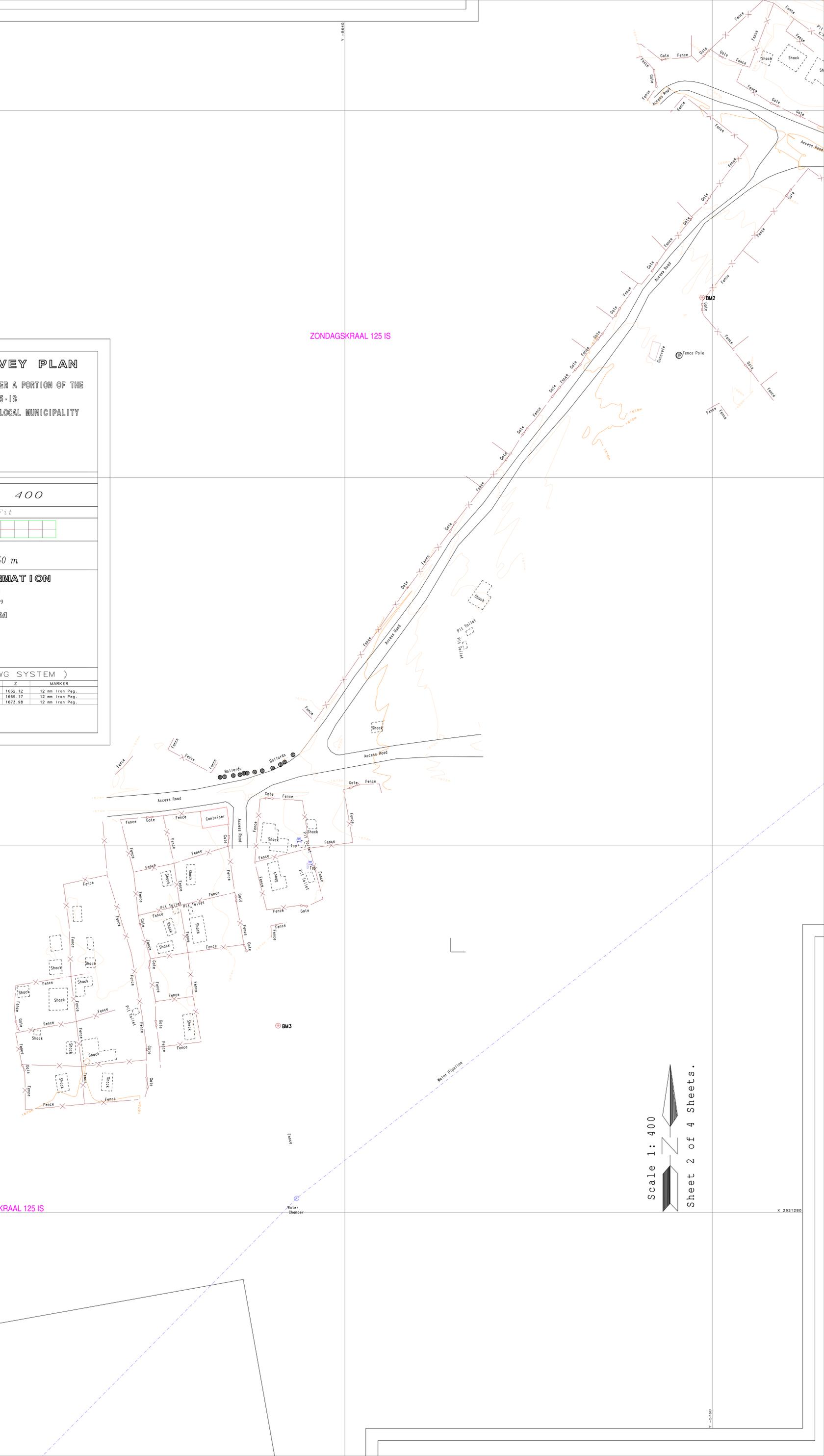
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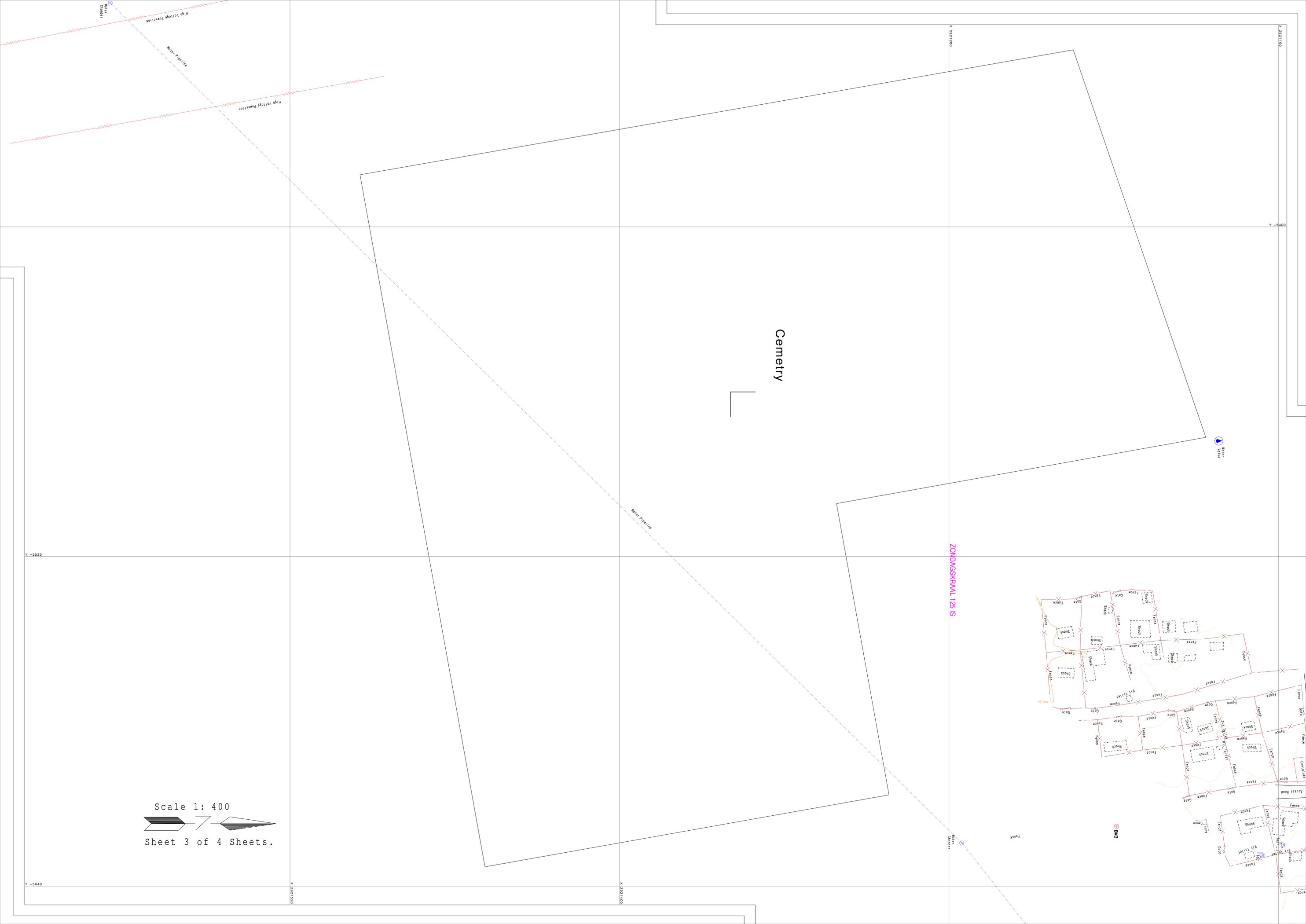


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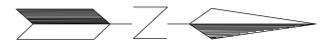




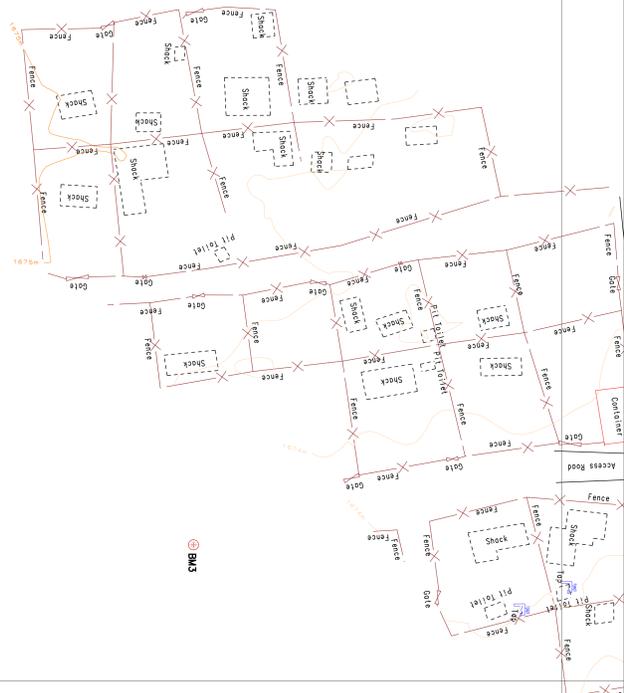
Cemetery

ZONDAGSKRAAL 125 IS

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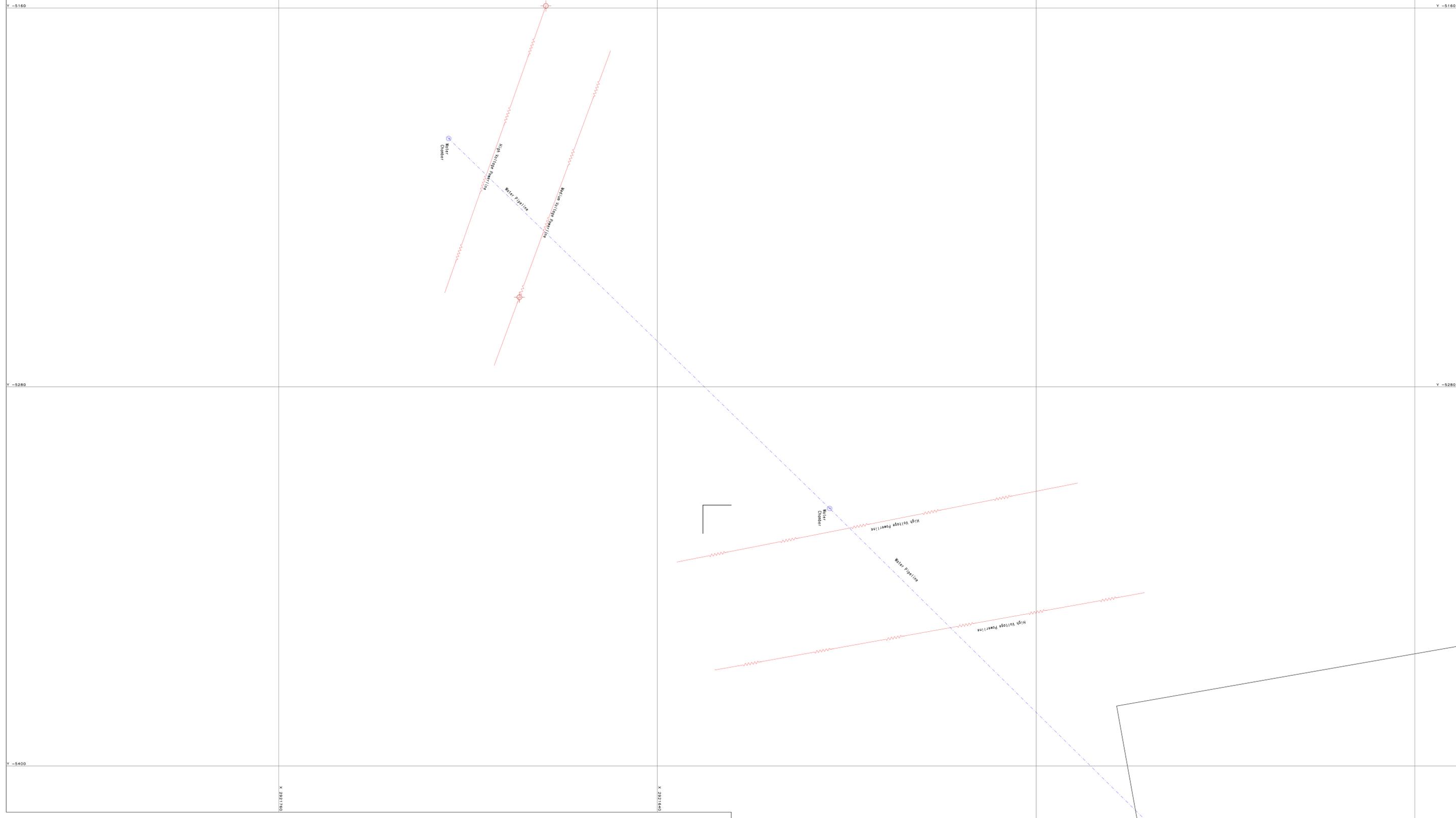
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Scale 1: 400



Sheet 4 of 4 Sheets.



PART A INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF DEPARTMENT/ PUBLIC ENTITY)					
BID NUMBER:		CLOSING DATE:		CLOSING TIME:	
DESCRIPTION					
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON			CONTACT PERSON		
TELEPHONE NUMBER			TELEPHONE NUMBER		
FACSIMILE NUMBER			FACSIMILE NUMBER		
E-MAIL ADDRESS			E-MAIL ADDRESS		
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT		[TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]					
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?		<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
DOES THE ENTITY HAVE A BRANCH IN THE RSA?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.					

**PART B
TERMS AND CONDITIONS FOR BIDDING**

1. BID SUBMISSION:
<p>1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.</p> <p>1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED–(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.</p> <p>1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.</p> <p>1.4. THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).</p>

2. TAX COMPLIANCE REQUIREMENTS
<p>2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.</p> <p>2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER’S PROFILE AND TAX STATUS.</p> <p>2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.</p> <p>2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.</p> <p>2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.</p> <p>2.6 WHERE NO TCS PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.</p> <p>2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE.”</p>

NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:
(Proof of authority must be submitted e.g. company resolution)

DATE:

SPECIFIC GOALS

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for Specific goals.

NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS AND DEFINITIONS

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to all bids:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2.1.2

- a) The value of this bid is estimated to **not exceed** R50 000 000 (all applicable taxes included) and therefore the.....preference point system shall be applicable; or
- b) Either the 80/20 preference point system will be applicable to this tender.

1.3 Points for this bid shall be awarded for:

- (a) Price; and
- (b) Specific goals.

1.4 The maximum points for this bid are allocated as follows:

	POINTS
PRICE	80
SPECIFIC GOALS	20
Total points for Price and Specific goals must not exceed	100

1.5 Failure on the part of a bidder to submit the required documents to substantiate the points claimed with the bid, will be interpreted to mean that points for specific goals are not claimed.

1.6 The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to specific goals in any manner required by the purchaser.

2. DEFINITIONS

(a) **“B-BBEE”** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act.

(b) **“Specific goals”** means specific goals as contemplated in section 2(1)(d) of the Act which may include contracting with persons, or categories of persons, historically disadvantaged by unfair discrimination on the basis of race, gender and disability including the implementation of programmes of the Reconstruction and Development

Programme as published in *Government Gazette* No. 16085 dated 23 November 1994

- (c) **“bid”** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of goods or services, through price quotations, advertised competitive bidding processes or proposals.
- (d) **“Broad-Based Black Economic Empowerment Act”** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (e) **“EME”** means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (f) **“functionality”** means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents.
- (g) **“prices”** includes all applicable taxes less all unconditional discounts;
- (h) **“proof of B-BBEE status level of contributor”** means:
- 1) B-BBEE Status level certificate issued by an authorized body or person;
 - 2) A sworn affidavit as prescribed by the B-BBEE Codes of Good Practice;
 - 3) Any other requirement prescribed in terms of the B-BBEE Act;
- (i) **“QSE”** means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (j) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1 POINTS AWARDED FOR PRICE (the 80/20 or 90/10 preference point systems)

A maximum of 80/90 points is allocated for price on the following basis:

$$\begin{array}{ccc}
 \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\
 \mathbf{Ps = 80 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right)} & \mathbf{or} & \mathbf{Ps = 90 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right)}
 \end{array}$$

Where

P_s = Points scored for price of bid under consideration

P_t = Price of bid under consideration

P_{min} = Price of lowest acceptable bid

3.2 FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME-GENERATING PROCUREMENT.

3.2.1 POINTS AWARDED FOR PRICE

A maximum of 80 or 90 points is allocated for price on the following basis:

80/20

or

90/10

$$P_s = 80 \left(1 + \frac{P_t - P_{max}}{P_{max}} \right) \text{ or } P_s = 90 \left(1 + \frac{P_t - P_{max}}{P_{max}} \right)$$

Where

P_s = Points scored for price of bid under consideration

P_t = Price of bid under consideration

P_{max} = Price of highest acceptable bid

4. POINTS AWARDED FOR SPECIFIC GOALS

- 4.1 In terms of Regulation 3 (1) an organ of state must, in the tender documents, stipulate the specific goal in the invitation to submit the tender for which a point may be awarded, and the number of points that will be awarded to each goal, and proof of the claim for such goal.

SPECIFIC GOAL	NUMBER OF POINTS FOR (80/20 PREFERENCE SYSTEM)	NUMBER OF POINTS (90/10 PREFERENCE SYSTEM)
1. Enterprise owned by Black people	5	2.5
2. Enterprise owned by Women	8	4
3. Enterprise owned by Youth	5	2.5
4. Enterprise owned by People living with Disabilities	2	1

5. BID DECLARATION

5.1 Bidders who claim points in respect of specific goals must complete the following:

SPECIFIC GOAL	NUMBER OF POINTS FOR (80/20 PREFERENCE SYSTEM)	NUMBER OF POINTS (90/10 PREFERENCE SYSTEM)
1. Enterprise owned by Black people		
2. Enterprise owned by Women		
3. Enterprise owned by Youth		
4. Enterprise owned by People living with Disabilities		

6. B-BBEE STATUS LEVEL OF CONTRIBUTOR CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 3.1

6.1 Specific goals: = (maximum of 10 or 20 points)
 (Points claimed in respect of paragraph 6.1 must be in accordance with the table reflected in paragraph 3.1 and must be substantiated by submitting the required documents.)

7. DECLARATION WITH REGARD TO COMPANY/FIRM

7.1 Name of company/firm:.....

7.2 VAT registration number:.....

7.3 Company registration number:.....

7.4 TYPE OF COMPANY/ FIRM

- Partnership/Joint Venture / Consortium
 - One person business/sole propriety
 - Close corporation
 - Company
 - (Pty) Limited
- [TICK APPLICABLE BOX]

7.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....

.....
.....
.....
.....

7.6 COMPANY CLASSIFICATION

- Manufacturer
 - Supplier
 - Professional service provider
 - Other service providers, e.g. transporter, etc.
- [TICK APPLICABLE BOX]

7.7 Total number of years the company/firm has been in business:.....

7.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals indicated in paragraphs 1.4 and 5.1 of the foregoing certificates, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 5.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct.
- iv) If the B-BBEE status level of contributor has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
 - (a) disqualify the person from the bidding process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person’s conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) recommend that the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution.

<p>WITNESSES</p> <p>1.</p> <p>2.</p>
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<p>.....</p> <p>SIGNATURE(S) OF BIDDERS(S)</p>
<p>DATE:</p> <p>ADDRESS</p> <p>.....</p> <p>.....</p>