

TRANSNET FREIGHT RAIL

an Operating Division of **TRANSNET SOC LTD**

[hereinafter referred to as **Transnet**]

Registration Number 1990/000900/30

REQUEST FOR QUOTATION [RFQ] No TFR/2022/08/1212/9519/RFQ [KBC/38496]

FOR THE PROVISION OF: Cleaning of culverts (Transcape – Beaconsfield, Kamfersdam – Hotazel) within a period of 5 months

ISSUE DATE: 16 August 2022
CLOSING DATE: 30 August 2022
CLOSING TIME: 10:00 AM
VALIDITY DATE: 3 January 2023 (90 Business days)

Note to the bidders:

Bidders are required to ensure that electronic bid submissions are done at least a day before the closing date to prevent issues which they may encounter due to their internet speed, bandwidth or the size of the number of uploads they are submitting. Transnet will not be held liable for any challenges experienced by bidders as a result of the technical challenges. Please do not wait for the last hour to submit. A Bidder can upload 30mb per upload and multiple uploads are permitted.

Project Manager: Nomfundo Nene
Tel: 053 838-3188
Email: Nomfundo.nene@transnet.net

SECTION 1: SBD1 FORM**PART A
INVITATION TO BID**

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF Transnet Freight Rail, A DIVISION TRANSNET SOC LTD							
BID NUMBER:	KBC/38496	ISSUE DATE:	16.08.2022	CLOSING DATE:	30.08.2022	CLOSING TIME:	10H00 AM
DESCRIPTION	Cleaning of culverts (Transcape – Beaconsfield, Kamfersdam – Hotazel) within a period of 5 months						
BID RESPONSE DOCUMENTS SUBMISSION							
Transnet has implemented a new electronic tender submission system, the e-Tender Submission Portal, in line with the overall Transnet digitalization strategy where suppliers can view advertised tenders, register their information, log their intent to respond to bids and upload their bid proposals/responses on to the system.							
RESPONDENTS ARE TO UPLOAD THEIR BID RESPONSE PROPOSALS ONTO THE TRANSNET SYSTEM AGAINST EACH TENDER/RFQ SELECTED.							
The Transnet e-Tender Submission Portal can be accessed as follows:							
<ul style="list-style-type: none"> ▪ Log on to the Transnet eTenders management platform website/Portal (transnetetenders.azurewebsites.net) (please use Google Chrome to access Transnet link/site free of charge); ▪ Click on "ADVERTISED TENDERS" to view advertised tenders; ▪ Click on "SIGN IN/REGISTER – for bidder to register their information (must fill in all mandatory information); ▪ Click on "SIGN IN/REGISTER" - to sign in if already registered; ▪ Toggle (click to switch) the "Log an Intent" button to submit a bid; ▪ Submit bid documents by uploading them into the system against each tender selected. ▪ No late submissions will be accepted. The bidder guide can be found on the Transnet Portal transnetetenders.azurewebsites.net 							
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO				TECHNICAL ENQUIRIES MAY BE DIRECTED TO:			
CONTACT PERSON	Liesel Weir			CONTACT PERSON	Nomfundo Nene		
TELEPHONE NUMBER	053 838-3202			TELEPHONE NUMBER	053 838-3188		
FACSIMILE NUMBER	N/A			FACSIMILE NUMBER	N/A		
E-MAIL ADDRESS	Liesel.weir@transnet.net			E-MAIL ADDRESS	Nomfundo.nene@transnet.net		
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	UNIQUE REGISTRATION REFERENCE NUMBER:	MAAA
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	TICK APPLICABLE BOX]			B-BBEE STATUS LEVEL SWORN AFFIDAVIT		[TICK APPLICABLE BOX]	
	<input type="checkbox"/> Yes <input type="checkbox"/> No					<input type="checkbox"/> Yes <input type="checkbox"/> No	

[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT MUST BE SUBMITTED FOR PURPOSES OF COMPLIANCE WITH THE B-BBEE ACT]

<p>1 ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?</p> <p><input type="checkbox"/>Yes <input type="checkbox"/>No</p> <p>[IF YES ENCLOSE PROOF]</p>		<p>2 ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?</p> <p><input type="checkbox"/>Yes <input type="checkbox"/>No</p> <p>[IF YES, ANSWER QUESTIONNAIRE BELOW]</p>	
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QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? YES NO

DOES THE ENTITY HAVE A BRANCH IN THE RSA? YES NO

DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA? YES NO

DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA? YES NO

IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION? YES 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 1.3 BELOW.

**PART B
TERMS AND CONDITIONS FOR BIDDING**

1. TAX COMPLIANCE REQUIREMENTS
<p>1.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.</p> <p>1.2 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>1.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.</p> <p>1.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.</p> <p>1.5 IN BIDS WHERE UNINCORPORATED CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.</p> <p>1.6 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.</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: _____

6 Changes to Quotations

Changes by the Respondent to its submission will not be considered after the closing date and time.

7 Binding Offer

Any Quotation furnished pursuant to this Request shall be deemed to be an offer. Any exceptions to this statement must be clearly and specifically indicated.

8 Disclaimers

8.1 Respondents are hereby advised that Transnet is not committed to any course of action as a result of its issuance of this RFQ and/or its receipt of a Quotation in response to it. Please note that Transnet reserves the right to:

- modify the RFQ's goods / service(s) and request Respondents to re-bid on any changes;
- reject any Quotation which does not conform to instructions and specifications which are detailed herein;
- disqualify Quotations submitted after the stated submission deadline;
- not necessarily accept the lowest priced Quotation or an alternative bid;
- place an order in connection with this Quotation at any time after the RFQ's closing date;
- award only a portion of the proposed goods / services which are reflected in the scope of this RFQ;
- split the award of the order/s between more than one Supplier/Service Provider should it at Transnet's discretion be more advantageous in terms of, amongst others, cost or developmental considerations;
- cancel the quotation process;
- validate any information submitted by Respondents in response to this bid. This would include, but is not limited to, requesting the Respondents to provide supporting evidence. By submitting a bid, Respondents hereby irrevocably grant the necessary consent to Transnet to do so;
- request audited financial statements or other documentation for the purposes of a due diligence exercise;
- not accept any changes or purported changes by the Respondent to the bid rates after the closing date and/or after the award of the business, unless the contract specifically provides for it;
- to cancel the contract and/request that National Treasury place the Respondent on its Database of Restricted Suppliers for a period not exceeding 10 years, on the basis that a contract was awarded on the strength of incorrect information furnished by the Respondent or on any other basis recognised in law;
- award the business to the next ranked bidder, provided that he/she is still prepared to provide the required Goods/Services at the quoted price, should the preferred bidder fail to sign or commence with the contract within a reasonable period after being requested to do so. Under such circumstances, the validity of the bids of the next ranked bidder(s) will be deemed to remain valid, irrespective of whether the next ranked bidder(s) were issued with a Letter of Regret. Bidders may therefore be requested to advise whether they would still be prepared to provide the required Goods/Services at their quoted price, even after they have been issued with a Letter of Regret.

9 Specification/Scope of Work

TRANSNET LIMITED

(REGISTRATION No. 1990/00900/06)

TRADING AS TRANSNET FREIGHT RAIL

**FOR: CLEANING OF CULVERTS CONTRACT
KIMBERLEY NORTH DEPOT AREA**

1. The site is Hotazel – Kamfersdam, Transcape - Beaconsfield, macfarlane – Fieldsview and Beaconsfield – Spytfontein . (**Kimberley North Depot Area**)

2. Description of the works

- 2.1 This contract makes provision for the cleaning of storm water drainage culverts that are located within the geographical areas controlled by the Depot Engineer, Infrastructure, Kimberley North by means of the manual removal of vegetation, soil deposits, and other wastes within the culverts.
- 2.2 The storm water culverts consist of either pipe culverts with a diameter that ranges from Ø 200 mm to 1000 mm or box culverts with a width/breadth/span that ranges from 350 mm to 6000 mm.
- 2.3 As shown on the price list, there are **595 culverts** included. Cleaning is compulsory on these culverts.
- 2.4 The Contractor must be familiar with the procedures and techniques of civil maintenance works of this type and to comply with the required standards.
- 2.5 The culverts are to be cleaned in such a way as to permit the free-flow of water through the culverts to their maximum capacity.
- 2.6 Gradients must be in such a way that allows water to flow free without it (the water) damming inside the culvert.
- 2.7 The tenderer must clearly state in his tender the method to be used to clean the culverts. {Preferably: use of shovels, wheelbarrows and Rakes}.
- 2.8 All solid wastes, soil deposits or other materials (including vegetation) that prevents the water from flowing through the culverts must be removed with the proper equipment as needed to complete the works under this Contract as indicated on drawings.
- 2.9 All materials removed from the culvert must be transported to a designated area as indicated by the Technical Officer or his/her Deputy.

3. Sufficiency of contract and time to complete the works.

A Site Inspection Certificate signed by the Technical Officer (compulsory) must be submitted with the quotation, and the submission thereof will be deemed to indicate the Contractor's acquaintance with the occurrence and extent of the works that need to be performed.

The contractor shall indicate the duration in months that they will require to complete the works, but this shall not be longer than three **(3)** months.

The contractor shall be required to complete the works and have it approved in this period. This period shall be inclusive of weekends, and public holidays. Working hours for the contractor will be from 7:00 till 16:30 on weekdays

4. Site establishment

Site establishment costs must be spread over and included in the prices given for other items of work in the price list.

5. The Site

Access to the sites will be via the Transnet service roads. The key for gates in the service road can be obtained from the Technical Officer, but it must be handed back on completion of the contract. Gates have to be kept closed at all times. No vehicle will be allowed to cross the railway line at any place except at level crossings.

No Transnet property like sleepers, rails, fencing, cables and ballast stone are to be removed from the site.

The repairs of any damages to the Transnet fencing/railway lines, Eskom power lines and Telkom will be for the Contractors account. The Contractor must arrange for the damage to be repaired

within one day. Alternatively these costs will be deducted from the tendered amount, and Transnet will arrange for the repair of the damage

6. To be supplied/provided by the Contractor

- 6.1 The Contractor shall provide sufficient personnel, material, plant and equipment to clean the culvert as identified according to the specification to complete the work successfully.
- 6.2 The Contractor is responsible to supply his own equipment, transport and labour to clean the culvert as identified according to the specification to complete the work successfully.
- 6.3 The Contractor must provide appointed persons (equipped with a whistle and white flags) to warn people on the site against approaching trains by blowing a whistle.
- 6.4 The contractor is responsible to use protective clothing and adhere to the safety rules and regulations of Act 85.
- 6.5 No accommodation or camping site will be provided by Transnet or be allowed on Transnet property.

7. Program for the execution of the works

It is required of the successful Tenderer to commence work two weeks after receiving letter of acceptance. The ending date of contract will be_____. It will be expected of the Contractor to inform the Technical Officer about his daily activities. This information is required in order to inform the Train personnel of activities adjacent to railway lines and is important for the safety of the Contractor and his personnel.

8. Penalty Clause

Failing to complete of the works within the period as stipulated above or with any shorter period offered by the contenders and accepted by Transnet Freight Rail, the contractor shall pay to Transnet Freight Rail as penalty 0.5% of the contract amount for every day or part thereof during which the works remain incomplete. This will be deducted from the contract payment.

9. Insurance of the works

The Contractor shall take every precaution to protect the Works against damage of any kind and not to cause damage to property or injury to any person as a result of his execution of the works.

The Contractor shall, in his interests, obtain insurance of his own site establishment, materials, plant, equipment and tools, as well as insurance for his motor vehicles and the common law liabilities of the Contractor as an employer. Transnet shall arrange insurance for public liability.

10. To be provided by Transnet

The following services will be provided free of charge by Transnet Freight Rail where required:

A Deputy Technical Officer will assist the Technical Officer on site where possible, for supervision of the works in order to monitor the Contractor's performance and ensure quality of the works.

Safety Induction Training to the Contractor and his/her staff.

11. Final inspection of the works

Inspection of the work will be done on an **on-going** basis. If the work is found to be satisfactory, the Contractor will be allowed to submit a tax invoice together with the job order (if any) depending on the arrangements between the Contractor and the Technical Officer.

12. Measurement and Payment

Payment will be based on the successful completion of the works as specified in terms of the tender and where the Contractor has successfully achieved the standard of the specifications for the tender within the required time frame.

No payment will be made where the work has not been successfully completed accordance the specifications.

Measurement and payment for work completed will be as follows:

After the completion of the work, the Technical Officer and the Contractor will inspect the work performed.

If the works is found to be satisfactory and according the specified specifications, the Contractor shall receive his/her payment monthly based on the work completed and according to the tendered price as initially tendered for each specific railway section as indicated on the Schedule of Quantities.

The Contractor will thereafter receive a final Completion Certificate to certify that the works under the agreement is finalised.

Penalties of 0.5% of the contract amount for every day or part thereof during which the works remain incomplete will apply.

13. Temporary camps

No campsites or accommodation will be available to the Contractor on Transnet premises. The Contractor must arrange for all facilities needed and these costs must be included in the tender price. (Refer to item 5.6)

14. Pollution prevention and environmental awareness

According to the Environmental Management System of the Transnet, pollution must be prevented as far as possible. Where pollution occurs due to the negligence of the Contractor, he/she will be responsible for corrective actions or he/she will be held liable for corrective actions required

15. Performance monitoring and evaluation

Transnet Freight Rail shall inspect the work completed according to the specification compiled by the Technical Officer/Project Manager.

The Contractor shall at all times be responsible for the supervision of the work and for follow-up inspections to monitor the success of control achieved over the area. He /she shall immediately take appropriate remedial action in areas where the specified standards of control are not achieved. The Technical Officer or the Deputy shall at any time during the contract period carry out inspections of the Contractor's performance methods and procedures.

The Contractor shall carry out remedial work to areas where control has not been achieved, prior to the official inspections. Such remedial work may include: excess solid waste removal to a designated area as indicated by the Technical Officer or the Deputy, cleaning the culverts to the specified requirements, removing the waste material away from the opening of the culvert or any other works as described under the specification of the works for this contract

16. Pricing including exceptions

The contractor should note that **no exception** will be made for any contractor in failing to complete the work on time.

The Contractor shall submit with his/her tender a complete and detailed priced schedule (prepared in ink) for the works.

If the Contractor has omitted to price any items in the schedule, the cost of the work included in such items will be held to be spread over and included in the prices given for other items of work. Reasonable prices should therefore be inserted for every item as these prices may be considered in adjudication of the quotation.

The contractor must know that the price quoted/submitted will be final and no additional requests will be granted

17. Drawings/diagrams/photos

Drawings for a box and pipe culvert indicating the areas to be cleaned will be supplied by the Technical Officer. A diagram of stations and sidings will also be supplied.

18. Specifications

Title	Date or revision	Tick if publicly available
E7/1 Specification for works on-, over-, under- or adjacent to railway lines and near high voltage equipment	2011	
E.4E Safety arrangements and procedural compliance with the Occupational Health and Safety Act, Act 85 of 1993 and regulations E.4D and E.4B	2011	

19. Constrains on how the Contractor provides the works as well as Health, Risk and Safety requirements

- 19.1 The Contractor Shall comply with Transnet Electrical Safety instructions.
- 19.2 The Contractor shall provide their own protection if needed ie. Flagman.
- 19.3 The Contractor shall provide all necessary equipment and plant to execute the job.

Before any work commences the Contractor is to do a risk assessment of each situation and to provide a written safety plan, of which, a copy is to be kept on site with the Site Diary, Site Instruction Book and Calculation Book. In the safety plan the Contractor must clearly state his/her intentions to provide a safe environment for his workers when working in the culverts. This safety plan is to be provided and implemented by the contractor before the work commences.

Provision must be made in the Safety Plan for the following risks;

- Working adjacent to passing trains.
- Transporting of material and workers to and from work site.
- Loading and off-loading of equipment and material.
- Working close to Overhead Traction Equipment.
- Electrical shock.
- Uneven surfaces.
- Blue asbestos.
- Level Crossing Awareness of Operators and Drivers.
- No work may be performed within 3 (three) metres of the railway line without adequate Transnet supervision and protection.

The Contractor shall supply all the necessary Personal Protective Equipment to each person working on the site. This will include items such as safety boots, hand gloves, dust masks and other protective clothing needed to protect the workers against all the risks which may be encountered on site.

Before the Contractor commences with any work, the entire team will be required to attend a compulsory 1 hour long Safety Talk given by a designated Transnet Safety Representative. Any new workers that join the team at a later stage will also be required to receive this training.

Before the contractor may start any work, he and his entire team will be required to attend a OHTE awareness training, The Supervisors to do Competency training for 3 days.

Training will be provided by Transnet School of rail in Johannesburg but traveling and accommodation expenses are for the contractor's account.

The Contractor shall provide at his/her own cost any security/safety measures he/she may deem necessary for safe and effective execution of the work. The Contractor will be fully responsible to provide all Safety measures deemed necessary to safe guard his/her personnel for the safe completion of the work under contract.

This work is to be carried out close to railway lines with trains moving and passing directly next to the work area. No work is to be done within a 3m distance of a railway line without the presence of a flagman and Track Inspector/Master or without notifying the CTC.

The Contractor or his supervisor must have a Safety Talk every morning before work begins to remind the workers to be on the lookout for trains and to make the workers aware of the dangers of working underneath electrified traction lines. Record of what was discussed shall be recorded in the "Site Diary". All workers shall work as a team in one area in the Transnet Freight Rail's reserve.

The personnel of the Contractor shall at all times while on Transnet property and during the operations wear reflective safety jackets. These reflective jackets must preferably bear the name of the contractor's company.

High voltage electrical equipment:

The attention of the **Contractor** is drawn to the possibility of "live" electrical overhead wires or buried cables in the area covered by the contract and the danger of coming into contact with such wires. All personnel under the control of the **Contractor** shall be made aware of the danger of "live" electrical wires and cables before commencement of the work.

The **Contractor** shall comply with all requirements of the **E7/1 (July 1998)** Specification. In particular the **Contractor** shall not be allowed to drive or move mobile equipment on or over the ballast and track-work unless the Technical Officer grants suitable permission and proper methods are employed.

Protection: The Contractor shall provide all protection functions at the work area as required by the Technical Officer and according to the rules and regulations as stipulated in the **Infrastructure Safety Guidelines, page 51 to 72.**

The **Contractor** shall be liable for costs incurred by Transnet as a result of failure on the part of the **Contractor** or his personnel, to observe any safety and security regulations of Transnet regarding the entry of personnel into all sites. Transnet will determine such costs.

The contractor or his supervisor will be responsible to hold a Safety Talk every morning before work commences. He will also be responsible to notify CTC each morning to inform them where his team will be working on that day.

The contractor is to have available a suitable First Aid Kit on site at all times.

All workers shall work as a team in one area in the Transnet reserve.

The Contractor shall provide a cell phone, in good working order and with sufficient airtime, to his team leader to be available on site at all times.

20. Requirements for the programme

- 20.1 The Contractor shall provide a programme in a form of excel which indicates how many gabions can be installed in a day depending on the site situations.
- 20.2 The Contractor shall submit the programme to the Project Manager/Technical Officer a week before the commencement of work.
- 20.3 The Contractor shall update the programme at the end of day and give feedback to the Employer's Representative on site.
- 20.4

21. Services and other things provided by the Employer

- 20.1 Technical Officer's services from the start of the contract
- 20.2 Site Access from the start of the contract

22. General

- 22.1 The Contractor shall ensure that a safety representative is at site at all times.
- 22.2 The Contractor shall, in particular, comply with the following Acts and Transnet Specifications:-
 - i. The Compensation for Occupational Injuries and Diseases Act, No. 130 of 1993. The Contractor shall produce proof of his registration and good standing with the Compensation Commissioner in terms of the Act.
 - ii. The Occupational Health and Safety Act (Act 85 of 1993).
 - iii. The explosive Act No. 26 of 1956 (as amended). The Contractor shall, when applicable, furnish the Project Manager / Supervisor with copies of the permits authorising him or his employees, to establish an explosives magazine on or near the site and to undertake blasting operations in compliance with the Act.
 - iv. The Contractor shall comply with the current Transnet Specification E.4E, Safety Arrangements and Procedural Compliance with the Occupational Health and Safety Act, Act 85 of 1993 and Regulations and shall before commencement with the execution of the contract, which shall include site establishment and delivery of plant, equipment or materials, submit to the Project Manager / Supervisor.
 - v. The Contractor shall comply with the current Specification for Works On, Over, Under or Adjacent to Railway Lines and near High Voltage Equipment – E7/1, if applicable, and shall take particular care of the safety of his employees on or in close proximity to a railway line during track occupations as well as under normal operational conditions.
- 22.3 The Contractor's Health and Safety Programme shall be subject to agreement by the Project Manager / Supervisor, who may, in consultation with the Contractor, order supplementary and/or additional safety arrangements and/or different safe working methods to ensure full compliance by the Contractor with his obligations as an employer in terms of the Act
- 22.4 In addition to compliance with clause 2. Hereof, the Contractor shall report all incidents in writing to the Project Manager / Supervisor. Any incident resulting in the death of or injury

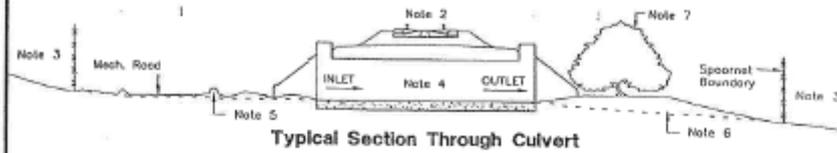
- to any person on the works shall be reported within 24 hours of its occurrence and any other incident shall be reported within 48 hours of its occurrence
- 22.5 The Contractor shall make necessary arrangements for **sanitation, water** and electricity at these relevant sites during the installation of the equipment
- 22.6 The Contractor shall supply a **site diary** (with triplicate pages). This book shall be used to record any unusual events during the period of the work. Any delays to the work shall also be recorded such as delays caused by poor weather conditions, delays caused by permits being cancelled etc. The appointed Project Manager or Supervisor must countersign such delays. Other delays such as non-availability of equipment from 3rd party suppliers must be communicated to the Project Manager or Supervisor in writing
- 22.7 The Contractor shall supply a **site instruction book** (with triplicate pages). This book shall be used to record any instructions to the Contractor regarding problems encountered on site – for example the quality of work or the placement of equipment. This book shall be filled in by the Project Manager or Supervisor and must be countersigned by the Contractor.
- 22.8 Both books mentioned in 6 and 7 shall be the property of Transnet Freight Rail and shall be handed over to the Project Manager or Supervisor on the day of energising or handing over.
- 22.9 The Contractor will remain liable for contractual delivery dates irrespective of deficiencies discovered during workshop inspections
- 22.10 The contractor must have a complete **Safety file** with all relevant documents before commencing with the work.

---ooOoo---

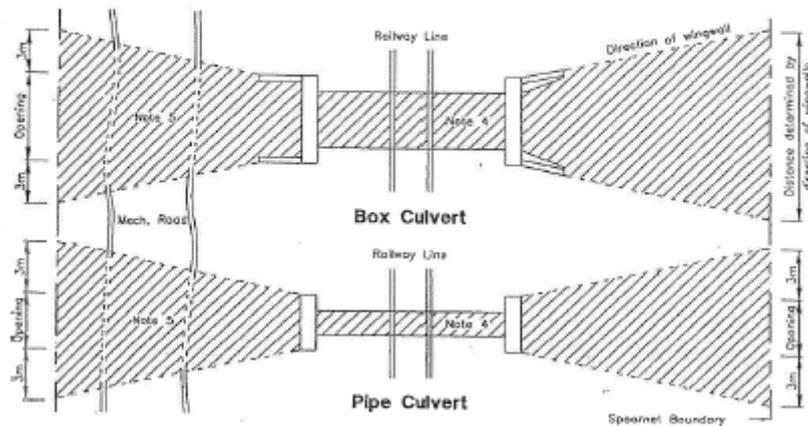
ITEM 7

CLEANING OF PIPES, CULVERTS AND BRIDGES

- 1) A list of the relevant culverts including their kilometreage is attached.
- 2) No work is to be done on top of the culvert next to the railway line.
- 3) The property adjacent to the Spoornet reserve may not be entered without prior permission from the Technical Officer.

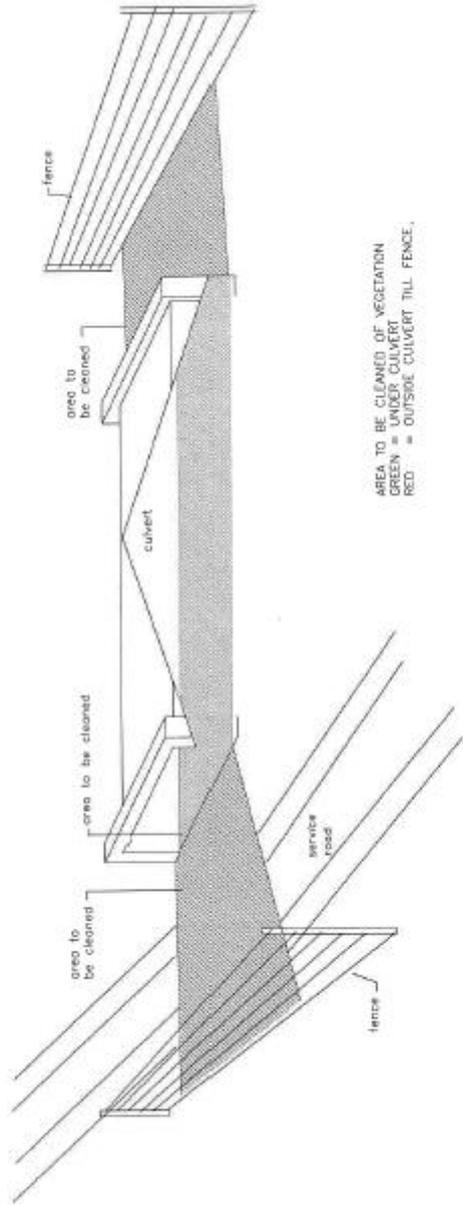


Typical Section Through Culvert



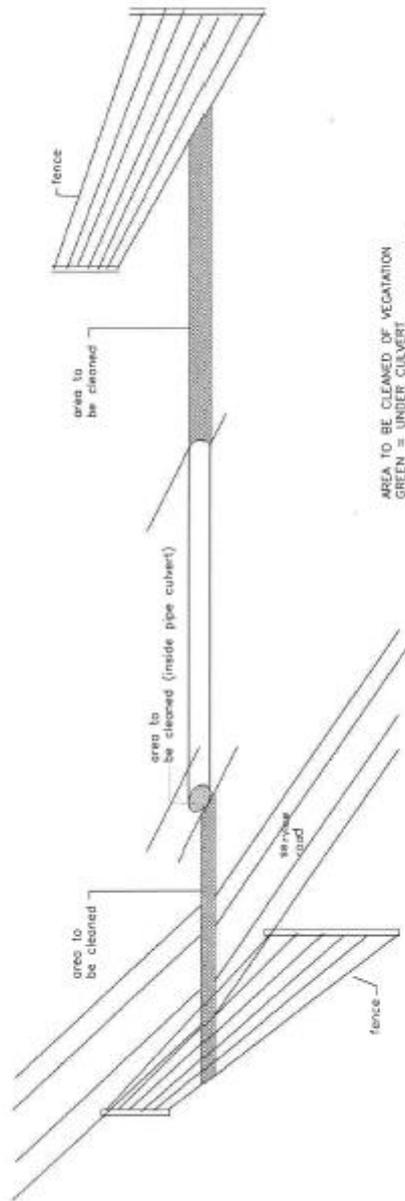
- 4) Culverts to be cleaned in such a way as to permit the free-flow of water through the culvert to its maximum capacity. Water must not be able to dam in the culvert.
- 5) The spill wall created by the grader on the mech. road must be removed. Water must not be able to dam up here.
- 6) The soil removed from the culvert and ditch must not be dumped in heaps, but must be worked flat.
- 7) All chopped down vegetation must be removed from the cleaned area and packed in a suitable position next to the fence and tramped flat.
- 8) The culverts are not all built to the same standard the Technical Officer may give additional instructions owing to unique circumstances.

KY-100-P-1



AREA TO BE CLEANED OF VEGETATION
GREEN = UNDER CULVERT
RED = OUTSIDE CULVERT TILL FENCE.

AREA TO BE CLEANED



AREA TO BE CLEANED

Section	Line Code	Closest Station	Structure Type	Km	Opening (#/Spans x Height x Width)	Fence (LHS)	Fence (RHS)	Area m ² (Fence L)	Area m ² (Fence R)	Number of Spans	Width of Span	m ² Total Area	Type
Transcape - Beaconsfield	L261-ETCE2VSE	Veertienstrome	Pipe	227.115	1/φ400 x 4300 Wide	11.00	11.00	4.4	4.4	1	0.40	8.8	Pipe
Transcape - Beaconsfield	L261-ETCE2VSE	Veertienstrome	Culvert	228.108	1/1800 x 600 x 6200 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Transcape - Beaconsfield	L261-ETCE2VSE	Veertienstrome	Culvert	228.747	1/3000 x 1300 x 29930 Wide	11.00	11.00	33	33	1	3	66	Box
Transcape - Beaconsfield	L240-EVSE2WT	Veertienstrome	Culvert	228.901	1/1800 x 950 x 22300 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Transcape - Beaconsfield	L240-EVSE2WT	Veertienstrome	Culvert	230.255	1/2800 x 1250 x 22400 Wide	11.00	11.00	30.8	30.8	1	2.8	61.6	Box
Transcape - Beaconsfield	L240-EVSE2WT	Veertienstrome	Culvert	230.538	1/1850 x 1250 x 0 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Transcape - Beaconsfield	L240-EVSE2WT	Veertienstrome	Culvert	230.903	1/1830 x 1900 x 0 Wide	11.00	11.00	20.13	20.13	1	1.83	40.26	Box
Transcape - Beaconsfield	L240-EVSE2WT	Veertienstrome	Culvert	231.315	1/2750 x 2200 x 10300 Wide	11.00	11.00	30.25	30.25	1	2.75	60.5	Box
Transcape - Beaconsfield	L240-EVSE2WT	Warrenton	Pipe	233.456	1/φ300 x 0 Wide	11.00	11.00	3.3	3.3	1	0.3	6.6	Pipe
Transcape - Beaconsfield	L240-EVSE2WT	Warrenton	Pipe	233.606	1/φ300 x 0 Wide	11.00	11.00	3.3	3.3	1	0.3	6.6	Pipe
Transcape - Beaconsfield	L240-EVSE2WT	Warrenton	Pipe	233.755	1/φ300 x 0 Wide	11.00	11.00	3.3	3.3	1	0.3	6.6	Pipe
Transcape - Beaconsfield	L240-EVSE2WT	Warrenton	Pipe	233.905	1/φ300 x 0 Wide	11.00	11.00	3.3	3.3	1	0.3	6.6	Pipe
Transcape - Beaconsfield	L240-EVSE2WT	Warrenton	Pipe	234.063	1/φ300 x 0 Wide	11.00	11.00	3.3	3.3	1	0.3	6.6	Pipe
Transcape - Beaconsfield	L240-EVSE2WT	Warrenton	Pipe	234.203	1/φ300 x 0 Wide	11.00	11.00	3.3	3.3	1	0.3	6.6	Pipe
Transcape - Beaconsfield	L240-EVSE2WT	Warrenton	Pipe	234.359	1/φ300 x 0 Wide	11.00	11.00	3.3	3.3	1	0.3	6.6	Pipe
Transcape - Beaconsfield	L240-EVSE2WT	Warrenton	Culvert	235.097	1/2800 x 600 x 0 Wide	11.00	11.00	30.8	30.8	1	2.8	61.6	Box
Transcape - Beaconsfield	L240-EVSE2WT	Warrenton	Culvert	235.241	1/1300 x 600 x 0 Wide	11.00	11.00	14.3	14.3	1	1.3	28.6	Box
Transcape - Beaconsfield	L240-EWT2WS	Warrenton	Culvert	235.988	1/2700 x 1800 x 2600 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Transcape - Beaconsfield	L240-EWT2WS	Warrenton	Culvert	236.217	1/2800 x 1500 x 6400 Wide	11.00	11.00	30.8	30.8	1	2.8	61.6	Box
Transcape - Beaconsfield	L240-EWT2WS	Warrenton	Pipe	236.403	1/φ300 x 4600 Wide	11.00	11.00	3.3	3.3	1	0.3	6.6	Pipe
Transcape - Beaconsfield	L240-EWT2WS	Warrenton	Pipe	236.539	1/φ300 x 4400 Wide	11.00	11.00	3.3	3.3	1	0.3	6.6	Pipe
Transcape - Beaconsfield	L240-EWT2WS	Warrenton	Pipe	236.681	1/φ300 x 4500 Wide	11.00	11.00	3.3	3.3	1	0.3	6.6	Pipe
Transcape - Beaconsfield	L240-EWT2WS	Warrenton	Pipe	236.772	1/φ300 x 4800 Wide	11.00	11.00	3.3	3.3	1	0.3	6.6	Pipe
Transcape - Beaconsfield	L240-EWT2WS	Warrenton	Pipe	236.93	1/φ450 x 5600 Wide	11.00	11.00	4.95	4.95	1	0.45	9.9	Pipe
Transcape - Beaconsfield	L240-EWT2WS	Warrenton	Culvert	239.429	1/2700 x 750 x 9900 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Transcape - Beaconsfield	L240-EWT2WS	Warrenton	Culvert	240.439	1/2700 x 600 x 9800 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Transcape - Beaconsfield	L240-EWT2WS	Warrenton	Culvert	242.947	1/1800 x 600 x 10600 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Transcape - Beaconsfield	L240-EWT2WS	Warrenton	Culvert	244.073	1/1630 x 800 x 9800 Wide	11.00	11.00	17.93	17.93	1	1.63	35.86	Box
Transcape - Beaconsfield	L240-EWT2WS	Warrenton	Culvert	244.919	1/1800 x 800 x 10000 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Transcape - Beaconsfield	L240-EWT2WS	Warrenton	Culvert	246.584	1/1850 x 600 x 9800 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Transcape - Beaconsfield	L240-EWT2WS	Warrenton	Culvert	248.019	1/2290 x 600 x 54200 Wide	11.00	11.00	25.19	25.19	1	2.29	50.38	Box

Transcape - Beaconsfield	L240-EWT2WS	Warrenton	Culvert	248.453	4/2700 x 1600 x 23100 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Transcape - Beaconsfield	L240-EWT2WS	Warrenton	Pipe	249.31	1/φ600 x 9700 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Transcape - Beaconsfield	L240-EWT2WS	Windsorton Road	Culvert	250.549	1/1850 x 600 x 10200 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Transcape - Beaconsfield	L240-EWT2WS	Windsorton Road	Culvert	251.033	1/2800 x 700 x 10200 Wide	11.00	11.00	30.8	30.8	1	2.8	61.6	Box
Transcape - Beaconsfield	L240-EWT2WS	Windsorton Road	Culvert	251.838	1/2800 x 900 x 9900 Wide	11.00	11.00	30.8	30.8	1	2.8	61.6	Box
Transcape - Beaconsfield	L240-EWT2WS	Windsorton Road	Culvert	252.81	2/2700 x 2150 x 9900 Wide	11.00	11.00	29.7	29.7	2	2.7	118.8	Box
Transcape - Beaconsfield	L240-EWT2WS	Windsorton Road	Culvert	253.409	1/1850 x 900 x 9900 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Transcape - Beaconsfield	L240-EWT2WS	Windsorton Road	Culvert	254.425	2/2750 x 800 x 11000 Wide	11.00	11.00	30.25	30.25	2	2.75	121	Box
Transcape - Beaconsfield	L240-EWT2WS	Windsorton Road	Culvert	255.371	1/2750 x 800 x 10500 Wide	11.00	11.00	30.25	30.25	1	2.75	60.5	Box
Transcape - Beaconsfield	L240-EWT2WS	Windsorton Road	Culvert	257.648	2/2800 x 1100 x 10100 Wide	11.00	11.00	30.8	30.8	2	2.8	123.2	Box
Transcape - Beaconsfield	L240-EWT2WS	Windsorton Road	Culvert	258.417	3/3600 x 2550 x 13200 Wide	11.00	11.00	39.6	39.6	3	3.6	237.6	Box
Transcape - Beaconsfield	L240-EWT2WS	Windsorton Road	Culvert	259.478	1/1850 x 1100 x 12400 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Transcape - Beaconsfield	L240-EWT2WS	Windsorton Road	Culvert	259.74	2/2750 x 800 x 12200 Wide	11.00	11.00	30.25	30.25	2	2.75	121	Box
Transcape - Beaconsfield	L240-EWT2WS	Windsorton Road	Culvert	260.043	1/2750 x 800 x 9500 Wide	11.00	11.00	30.25	30.25	1	2.75	60.5	Box
Transcape - Beaconsfield	L240-EWT2WS	Windsorton Road	Culvert	261.004	2/2700 x 900 x 10050 Wide	11.00	11.00	29.7	29.7	2	2.7	118.8	Box
Transcape - Beaconsfield	L240-EWT2WS	Windsorton Road	Culvert	261.35	2/2700 x 800 x 10500 Wide	11.00	11.00	29.7	29.7	2	2.7	118.8	Box
Transcape - Beaconsfield	L240-EWT2WS	Windsorton Road	Culvert	262.245	2/2700 x 1500 x 21300 Wide	11.00	11.00	29.7	29.7	2	2.7	118.8	Box
Transcape - Beaconsfield	L202-EWS2RV	Windsorton Road	Culvert	264.013	1/1850 x 800 x 0 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Transcape - Beaconsfield	L202-EWS2RV	Windsorton Road	Culvert	268.92	4/2700 x 700 x 0 Wide	11.00	11.00	29.7	29.7	4	2.7	237.6	Box
Transcape - Beaconsfield	L202-EWS2RV	Riverton	Culvert	272.246	1/2700 x 800 x 0 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Transcape - Beaconsfield	L202-EWS2RV	Riverton	Culvert	272.396	2/2700 x 1000 x 0 Wide	11.00	11.00	29.7	29.7	2	2.7	118.8	Box
Transcape - Beaconsfield	L202-EWS2RV	Riverton	Culvert	272.617	1/2700 x 900 x 0 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Transcape - Beaconsfield	L202-EWS2RV	Riverton	Culvert	273.373	1/2700 x 600 x 0 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Transcape - Beaconsfield	L202-EWS2RV	Riverton	Culvert	273.782	5/5600 x 2400 x 0 Wide	11.00	11.00	61.6	61.6	5	5.6	616	Box
Transcape - Beaconsfield	L202-EWS2RV	Riverton	Culvert	274.695	1/1800 x 600 x 0 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Transcape - Beaconsfield	L202-EWS2RV	Riverton	Culvert	275.018	1/1850 x 900 x 0 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Transcape - Beaconsfield	L202-EWS2RV	Riverton	Culvert	275.783	1/1850 x 600 x 0 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Transcape - Beaconsfield	L202-EWS2RV	Riverton	Culvert	276.428	1/1800 x 750 x 0 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Transcape - Beaconsfield	L202-EWS2RV	Riverton	Culvert	276.872	1/1800 x 600 x 0 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Transcape - Beaconsfield	L202-EWS2RV	Riverton	Culvert	277.92	2/2750 x 700 x 0 Wide	11.00	11.00	30.25	30.25	2	2.75	121	Box
Transcape - Beaconsfield	L202-EWS2RV	Riverton	Culvert	278.726	1/2700 x 1350 x 0 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Transcape - Beaconsfield	L202-ERV2MFL	Riverton	Culvert	280.25	1/4500 x 2100 x 0 Wide	11.00	11.00	49.5	49.5	1	4.5	99	Box
Transcape - Beaconsfield	L202-ERV2MFL	Macfarlane	Culvert	286.415	1/2700 x 1200 x 0 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box

Transcape - Beaconsfield	L238-EMFL2KFM	Kamfersdam	Culvert	296.417	1/2700 x 1900 x 10300 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Transcape - Beaconsfield	L238-EMFL2KFM	Kamfersdam	Culvert	298.18	1/2500 x 1150 x 0 Wide	11.00	11.00	27.5	27.5	1	2.5	55	Box
Transcape - Beaconsfield	L238-EMFL2KFM	Kamfersdam	Culvert	299.124	1/2700 x 2200 x 0 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Transcape - Beaconsfield	L238-EMFL2KFM	Kamfersdam	Culvert	299.979	3/5750 x 800 x 0 Wide	11.00	11.00	63.25	63.25	3	5.75	379.5	Box
Transcape - Beaconsfield	L207-EKFM2KY	Kamfersdam	Culvert	302.216	1/2500 x 500 x 0 Wide	11.00	11.00	27.5	27.5	1	2.5	55	Box
Transcape - Beaconsfield	L207-EKFM2KY	Kamfersdam	Culvert	302.777	2/2500 x 2200 x 0 Wide	11.00	11.00	27.5	27.5	2	2.5	110	Box
Transcape - Beaconsfield	L207-EKFM2KY	Kamfersdam	Culvert (pipe)	303.676	1/1200 x 1320 x 0 Wide	11.00	11.00	13.2	13.2	1	1.2	26.4	Culvert (pipe)
Transcape - Beaconsfield	L207-EKFM2KY	Kimberley	Culvert	304.947	2/2400 x 1100 x 0 Wide	11.00	11.00	26.4	26.4	2	2.4	105.6	Box
Transcape - Beaconsfield	L207-EKFM2KY	Kimberley	Culvert	305.272	2/2000 x 500 x 0 Wide	11.00	11.00	22	22	2	2	88	Box
Transcape - Beaconsfield	L207-EKFM2KY	Kimberley	Culvert	305.731	1/600 x 600 x 0 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Box
Transcape - Beaconsfield	L207-EKFM2KY	Kimberley	Pipe	305.733	1/φ750 x 0 Wide	11.00	11.00	8.25	8.25	1	0.75	16.5	Pipe
Transcape - Beaconsfield	L207-EKFM2KY	Kimberley	Pipe	305.744	1/φ750 x 0 Wide	11.00	11.00	8.25	8.25	1	0.75	16.5	Pipe
Transcape - Beaconsfield	L204-EKY2BD	Kimberley	Culvert	307.158	1/3800 x 1800 x 0 Wide	11.00	11.00	41.8	41.8	1	3.8	83.6	Box
Transcape - Beaconsfield	L204-EKY2BD	Kimberley	Culvert	307.49	1/2300 x 1900 x 0 Wide	11.00	11.00	25.3	25.3	1	2.3	50.6	Box
Transcape - Beaconsfield	L204-EKY2BD	Kimberley	Culvert	307.55	1/3700 x 2500 x 0 Wide	11.00	11.00	40.7	40.7	1	3.7	81.4	Box
Transcape - Beaconsfield	L204-EKY2BD	Kimberley	Culvert	307.689	1/1800 x 800 x 0 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Transcape - Beaconsfield	L204-EKY2BD	Kimberley	Culvert	308.11	1/1700 x 800 x 0 Wide	11.00	11.00	18.7	18.7	1	1.7	37.4	Box
Transcape - Beaconsfield	L204-EKY2BD	Kimberley	Culvert	308.127	1/1800 x 2250 x 0 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Transcape - Beaconsfield	L204-EKY2BD	Beaconsfield	Culvert	308.907	1/1800 x 800 x 0 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Transcape - Beaconsfield	L204-EKY2BD	Beaconsfield	Culvert	309.33	1/1200 x 600 x 0 Wide	11.00	11.00	13.2	13.2	1	1.2	26.4	Box
Transcape - Beaconsfield	L204-EKY2BD	Beaconsfield	Culvert	309.545	1/1600 x 800 x 0 Wide	11.00	11.00	17.6	17.6	1	1.6	35.2	Box
Transcape - Beaconsfield	L204-EKY2BD	Beaconsfield	Culvert	309.946	2/1900 x 1100 x 0 Wide	11.00	11.00	20.9	20.9	2	1.9	83.6	Box
Transcape - Beaconsfield	L204-EKY2BD	Beaconsfield	Culvert	310.043	2/1800 x 800 x 0 Wide	11.00	11.00	19.8	19.8	2	1.8	79.2	Box
Transcape - Beaconsfield	L204-EKY2BD	Beaconsfield	Culvert	310.108	1/1800 x 600 x 0 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Transcape - Beaconsfield	L204-EKY2BD	Beaconsfield	Pipe	310.14	2/φ450 x 0 Wide	11.00	11.00	4.95	4.95	2	0.45	19.8	Pipe
Transcape - Beaconsfield	L204-EKY2BD	Beaconsfield	Culvert	310.189	1/1800 x 600 x 0 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Transcape - Beaconsfield	L204-EKY2BD	Beaconsfield	Culvert (pipe)	310.273	1/1800 x 1100 x 0 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Culvert (pipe)
Transcape - Beaconsfield	L204-EKY2BD	Beaconsfield	Culvert	310.316	1/2600 x 800 x 0 Wide	11.00	11.00	28.6	28.6	1	2.6	57.2	Box
Transcape - Beaconsfield	L204-EKY2BD	Beaconsfield	Culvert	310.384	1/1950 x 600 x 0 Wide	11.00	11.00	21.45	21.45	1	1.95	42.9	Box
Transcape - Beaconsfield	L204-EKY2BD	Beaconsfield	Culvert	310.407	1/1700 x 600 x 0 Wide	11.00	11.00	18.7	18.7	1	1.7	37.4	Box
Transcape - Beaconsfield	L204-EKY2BD	Beaconsfield	Culvert	310.51	1/1700 x 600 x 0 Wide	11.00	11.00	18.7	18.7	1	1.7	37.4	Box
Transcape - Beaconsfield	L204-EKY2BD	Beaconsfield	Culvert	310.576	1/2800 x 600 x 0 Wide	11.00	11.00	30.8	30.8	1	2.8	61.6	Box
Transcape - Beaconsfield	L204-EKY2BD	Beaconsfield	Culvert	310.665	1/1700 x 600 x 0 Wide	11.00	11.00	18.7	18.7	1	1.7	37.4	Box
Kamfersdam - Hotazel	L218-EKFM2MID	Kamfersdam	Pipe	0.768	1/φ450 x 0 Wide	11.00	11.00	4.95	4.95	1	0.45	9.9	Pipe
Kamfersdam - Hotazel	L218-EKFM2MID	Kamfersdam	Culvert	1.817	3/2745 x 915 x 0 Wide	11.00	11.00	30.195	30.195	3	2.745	181.17	Culvert

Kamfersdam - Hotazel	L218-EKFM2MID	Kamfersdam	Pipe	2.101	1/φ610 x 10100 Wide	11.00	11.00	6.71	6.71	1	0.61	13.42	Pipe
Kamfersdam - Hotazel	L218-EKFM2MID	Kamfersdam	Culvert	2.501	2/2745 x 915 x 0 Wide	11.00	11.00	30.195	30.195	2	2.745	120.78	Box
Kamfersdam - Hotazel	L218-EKFM2MID	Kamfersdam	Culvert	2.763	2/φ610 x 0 Wide	11.00	11.00	6.71	6.71	2	0.61	26.84	Box
Kamfersdam - Hotazel	L218-EKFM2MID	Kamfersdam	Culvert	3.304	3/2745 x 915 x 0 Wide	11.00	11.00	30.195	30.195	3	2.745	181.17	Box
Kamfersdam - Hotazel	L218-EKFM2MID	Kamfersdam	Culvert	3.446	3/2745 x 915 x 0 Wide	11.00	11.00	30.195	30.195	3	2.745	181.17	Box
Kamfersdam - Hotazel	L218-EKFM2MID	Kamfersdam	Culvert	3.727	3/3700 x 1850 x 0 Wide	11.00	11.00	40.7	40.7	3	3.7	244.2	Box
Kamfersdam - Hotazel	L218-EKFM2MID	Mid	Culvert	4.731	1/2420 x 1700 x 0 Wide	11.00	11.00	26.62	26.62	1	2.42	53.24	Box
Kamfersdam - Hotazel	L218-EKFM2MID	Mid	Culvert	6.111	1/4260 x 300 x 0 Wide	11.00	11.00	46.86	46.86	1	4.26	93.72	Box
Kamfersdam - Hotazel	L218-EKFM2MID	Mid	Culvert	6.86	1/1740 x 700 x 0 Wide	11.00	11.00	19.14	19.14	1	1.74	38.28	Box
Kamfersdam - Hotazel	L218-EMID2FDW	Mid	Culvert	12.529	1/2700 x 700 x 0 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Kamfersdam - Hotazel	L218-EMID2FDW	Fieldsview	Culvert	15.539	1/1800 x 700 x 0 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Kamfersdam - Hotazel	L219-EFMD2WR	Weir	Culvert	26.967	2/4100 x 1800 x 0 Wide	11.00	11.00	45.1	45.1	2	4.1	180.4	Box
Kamfersdam - Hotazel	L219-EFMD2WR	Weir	Culvert	27.34	2/4000 x 1300 x 0 Wide	11.00	11.00	44	44	2	4	176	Box
Kamfersdam - Hotazel	L219-EFMD2WR	Weir	Pipe	27.795	1/φ610 x 18900 Wide	11.00	11.00	6.71	6.71	1	0.61	13.42	Pipe
Kamfersdam - Hotazel	L219-EFMD2WR	Weir	Culvert	28.717	1/2850 x 600 x 17200 Wide	11.00	11.00	31.35	31.35	1	2.85	62.7	Box
Kamfersdam - Hotazel	L219-EWR2BKY	Weir	Culvert	29.014	1/2620 x 450 x 10700 Wide	11.00	11.00	28.82	28.82	1	2.62	57.64	Box
Kamfersdam - Hotazel	L219-EWR2BKY	Weir	Culvert	29.593	1/1800 x 400 x 0 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Kamfersdam - Hotazel	L219-EWR2BKY	Weir	Culvert	29.976	1/2800 x 600 x 0 Wide	11.00	11.00	30.8	30.8	1	2.8	61.6	Box
Kamfersdam - Hotazel	L219-EWR2BKY	Weir	Culvert	30.588	1/2730 x 600 x 18600 Wide	11.00	11.00	30.03	30.03	1	2.73	60.06	Box
Kamfersdam - Hotazel	L219-EWR2BKY	Weir	Culvert	30.783	3/2770 x 1770 x 11400 Wide	11.00	11.00	30.47	30.47	3	2.77	182.82	Box
Kamfersdam - Hotazel	L219-EWR2BKY	Weir	Culvert	31.324	1/1800 x 1450 x 2900 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Kamfersdam - Hotazel	L219-EWR2BKY	Weir	Culvert	31.523	1/2600 x 2700 x 9500 Wide	11.00	11.00	28.6	28.6	1	2.6	57.2	Box
Kamfersdam - Hotazel	L219-EWR2BKY	Barkly West	Pipe	32.199	1/φ610 x 0 Wide	11.00	11.00	6.71	6.71	1	0.61	13.42	Pipe
Kamfersdam - Hotazel	L219-EWR2BKY	Barkly West	Culvert	32.202	1/2700 x 250 x 20900 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Kamfersdam - Hotazel	L219-EWR2BKY	Barkly West	Pipe	32.45	1/φ610 x 0 Wide	11.00	11.00	6.71	6.71	1	0.61	13.42	Pipe
Kamfersdam - Hotazel	L219-EWR2BKY	Barkly West	Culvert	32.602	1/2800 x 2500 x 0 Wide	11.00	11.00	30.8	30.8	1	2.8	61.6	Box
Kamfersdam - Hotazel	L219-EWR2BKY	Barkly West	Culvert	32.809	1/4600 x 2100 x 0 Wide	11.00	11.00	50.6	50.6	1	4.6	101.2	Box
Kamfersdam - Hotazel	L219-EWR2BKY	Barkly West	Culvert	34.02	3/2750 x 1500 x 0 Wide	11.00	11.00	30.25	30.25	3	2.75	181.5	Box
Kamfersdam - Hotazel	L219-EBKY2BWG	Barkly West	Culvert	35.011	1/2000 x 1000 x 10000 Wide	11.00	11.00	22	22	1	2	44	Box
Kamfersdam - Hotazel	L219-EBKY2BWG	Barkly West	Culvert	35.499	1/2700 x 1600 x 32900 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Kamfersdam - Hotazel	L219-EBKY2BWG	Barkly West	Culvert	35.795	1/2700 x 600 x 0 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Kamfersdam - Hotazel	L219-EBKY2BWG	Barkly West	Culvert	36.144	1/1520 x 2400 x 12900 Wide	11.00	11.00	16.72	16.72	1	1.52	33.44	Box
Kamfersdam - Hotazel	L219-EBKY2BWG	Barkly West	Culvert	36.297	1/1800 x 930 x 10950 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box

Kamfersdam - Hotazel	L219-EBKY2BWG	Barkly West	Culvert	36.93	1/1820 x 900 x 11400 Wide	11.00	11.00	20.02	20.02	1	1.82	40.04	Box
Kamfersdam - Hotazel	L219-EBKY2BWG	Barkly West	Culvert	37.151	1/2700 x 1230 x 12400 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Kamfersdam - Hotazel	L219-EBKY2BWG	Barkly West	Culvert	37.312	1/2740 x 1830 x 11400 Wide	11.00	11.00	30.14	30.14	1	2.74	60.28	Box
Kamfersdam - Hotazel	L219-EBKY2BWG	Barkly West	Culvert	37.754	1/2850 x 680 x 8900 Wide	11.00	11.00	31.35	31.35	1	2.85	62.7	Box
Kamfersdam - Hotazel	L219-EBKY2BWG	Barkly West	Culvert	38.008	1/2000 x 680 x 13400 Wide	11.00	11.00	22	22	1	2	44	Box
Kamfersdam - Hotazel	L219-EBKY2BWG	Barkly West	Culvert	38.453	1/2740 x 800 x 9600 Wide	11.00	11.00	30.14	30.14	1	2.74	60.28	Box
Kamfersdam - Hotazel	L219-EBKY2BWG	Barkly West	Culvert	38.678	2/2700 x 1500 x 9600 Wide	11.00	11.00	29.7	29.7	2	2.7	118.8	Box
Kamfersdam - Hotazel	L219-EBKY2BWG	Barkly West	Culvert	39.662	1/1650 x 1500 x 0 Wide	11.00	11.00	18.15	18.15	1	1.65	36.3	Box
Kamfersdam - Hotazel	L219-EBKY2BWG	Barkly West	Culvert	40.469	1/4570 x 600 x 9700 Wide	11.00	11.00	50.27	50.27	1	4.57	100.54	Box
Kamfersdam - Hotazel	L219-EBKY2BWG	Gong Gong	Culvert	41.591	2/1830 x 1400 x 9900 Wide	11.00	11.00	20.13	20.13	2	1.83	80.52	Box
Kamfersdam - Hotazel	L219-EBKY2BWG	Gong Gong	Culvert	42.297	1/1820 x 600 x 10200 Wide	11.00	11.00	20.02	20.02	1	1.82	40.04	Box
Kamfersdam - Hotazel	L219-EBKY2BWG	Gong Gong	Culvert	42.923	1/1850 x 600 x 0 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L219-EBKY2BWG	Gong Gong	Culvert	42.933	1/1850 x 600 x 0 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L219-EBWG2GOG	Gong Gong	Culvert	43.449	1/800 x 800 x 10100 Wide	11.00	11.00	8.8	8.8	1	0.8	17.6	Box
Kamfersdam - Hotazel	L219-EBWG2GOG	Gong Gong	Culvert	43.458	1/2800 x 500 x 0 Wide	11.00	11.00	30.8	30.8	1	2.8	61.6	Box
Kamfersdam - Hotazel	L219-EBWG2GOG	Gong Gong	Pipe	44.026	1/φ300 x 13700 Wide	11.00	11.00	3.3	3.3	1	0.3	6.6	Pipe
Kamfersdam - Hotazel	L219-EBWG2GOG	Gong Gong	Culvert	44.267	1/1770 x 600 x 10600 Wide	11.00	11.00	19.47	19.47	1	1.77	38.94	Box
Kamfersdam - Hotazel	L219-EBWG2GOG	Gong Gong	Culvert	44.687	1/1780 x 700 x 10200 Wide	11.00	11.00	19.58	19.58	1	1.78	39.16	Box
Kamfersdam - Hotazel	L219-EBWG2GOG	Gong Gong	Culvert	45.365	1/500 x 400 x 12200 Wide	11.00	11.00	5.5	5.5	1	0.5	11	Box
Kamfersdam - Hotazel	L219-EBWG2GOG	Gong Gong	Culvert	45.576	1/4600 x 600 x 9700 Wide	11.00	11.00	50.6	50.6	1	4.6	101.2	Box
Kamfersdam - Hotazel	L219-EBWG2GOG	Gong Gong	Culvert	46.596	3/2770 x 600 x 0 Wide	11.00	11.00	30.47	30.47	3	2.77	182.82	Box
Kamfersdam - Hotazel	L219-EGOG2WRS	Gong Gong	Culvert	47.894	1/1870 x 200 x 13800 Wide	11.00	11.00	20.57	20.57	1	1.87	41.14	Box
Kamfersdam - Hotazel	L219-EGOG2WRS	Gong Gong	Culvert	48.591	2/2770 x 1800 x 9800 Wide	11.00	11.00	30.47	30.47	2	2.77	121.88	Box
Kamfersdam - Hotazel	L219-EGOG2WRS	Gong Gong	Culvert	49.107	1/2770 x 1840 x 13800 Wide	11.00	11.00	30.47	30.47	1	2.77	60.94	Box
Kamfersdam - Hotazel	L219-EGOG2WRS	Gong Gong	Pipe	49.329	2/φ600 x 17600 Wide	11.00	11.00	6.6	6.6	2	0.6	26.4	Pipe
Kamfersdam - Hotazel	L219-EGOG2WRS	Gong Gong	Culvert	49.61	1/900 x 500 x 16400 Wide	11.00	11.00	9.9	9.9	1	0.9	19.8	Box

Kamfersdam - Hotazel	L219-EGOG2WRS	Gong Gong	Culvert	50.157	1/2750 x 664 x 10300 Wide	11.00	11.00	30.25	30.25	1	2.75	60.5	Box
Kamfersdam - Hotazel	L219-EGOG2WRS	Gong Gong	Culvert	50.385	1/2700 x 2200 x 12700 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Kamfersdam - Hotazel	L219-EGOG2WRS	Winters Rush	Culvert	51.485	1/3650 x 3630 x 10400 Wide	11.00	11.00	40.15	40.15	1	3.65	80.3	Box
Kamfersdam - Hotazel	L219-EGOG2WRS	Winters Rush	Culvert	53.164	1/1820 x 800 x 11400 Wide	11.00	11.00	20.02	20.02	1	1.82	40.04	Box
Kamfersdam - Hotazel	L219-EGOG2WRS	Winters Rush	Culvert	53.628	1/1800 x 900 x 10900 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Kamfersdam - Hotazel	L219-EGOG2WRS	Winters Rush	Culvert	54.579	1/1800 x 400 x 18600 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Kamfersdam - Hotazel	L219-EWRS2BRP	Winters Rush	Culvert	56.071	1/1700 x 1700 x 22900 Wide	11.00	11.00	18.7	18.7	1	1.7	37.4	Box
Kamfersdam - Hotazel	L219-EWRS2BRP	Winters Rush	Pipe	57.284	2/φ300 x 11100 Wide	11.00	11.00	3.3	3.3	2	0.3	13.2	Pipe
Kamfersdam - Hotazel	L219-EWRS2BRP	Borrelkop	Pipe	58.25	2/φ300 x 11000 Wide	11.00	11.00	3.3	3.3	2	0.3	13.2	Pipe
Kamfersdam - Hotazel	L219-EWRS2BRP	Borrelkop	Pipe	59.054	2/φ300 x 10100 Wide	11.00	11.00	3.3	3.3	2	0.3	13.2	Pipe
Kamfersdam - Hotazel	L219-EWRS2BRP	Borrelkop	Pipe	60.08	2/φ300 x 10200 Wide	11.00	11.00	3.3	3.3	2	0.3	13.2	Pipe
Kamfersdam - Hotazel	L219-EWRS2BRP	Borrelkop	Culvert	60.624	1/800 x 300 x 10800 Wide	11.00	11.00	8.8	8.8	1	0.8	17.6	Box
Kamfersdam - Hotazel	L219-EBRP2UC	Borrelkop	Culvert	61.782	1/750 x 300 x 0 Wide	11.00	11.00	8.25	8.25	1	0.75	16.5	Box
Kamfersdam - Hotazel	L219-EBRP2UC	Borrelkop	Culvert	61.973	1/800 x 300 x 20600 Wide	11.00	11.00	8.8	8.8	1	0.8	17.6	Box
Kamfersdam - Hotazel	L219-EBRP2UC	Borrelkop	Culvert	62.495	1/900 x 300 x 7300 Wide	11.00	11.00	9.9	9.9	1	0.9	19.8	Box
Kamfersdam - Hotazel	L219-EBRP2UC	Borrelkop	Pipe	64.387	1/φ600 x 18600 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L219-EBRP2UC	Ulco	Pipe	64.509	1/φ600 x 13350 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L219-EBRP2UC	Ulco	Pipe	64.576	1/φ600 x 5500 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L219-EBRP2UC	Ulco	Culvert	65.738	1/2650 x 500 x 10100 Wide	11.00	11.00	29.15	29.15	1	2.65	58.3	Box
Kamfersdam - Hotazel	L219-EBRP2UC	Ulco	Culvert	65.935	1/2650 x 500 x 9700 Wide	11.00	11.00	29.15	29.15	1	2.65	58.3	Box
Kamfersdam - Hotazel	L219-EBRP2UC	Ulco	Pipe	67.033	1/φ600 x 13100 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L223-EUC2UCW	Ulco	Culvert	67.27	1/1000 x 400 x 0 Wide	11.00	11.00	11	11	1	1	22	Box
Kamfersdam - Hotazel	L223-EUC2UCW	Ulco	Culvert	67.894	1/2800 x 200 x 26600 Wide	11.00	11.00	30.8	30.8	1	2.8	61.6	Box
Kamfersdam - Hotazel	L223-EUC2UCW	Ulco	Culvert	68.397	1/800 x 240 x 10800 Wide	11.00	11.00	8.8	8.8	1	0.8	17.6	Box
Kamfersdam - Hotazel	L223-EUC2UCW	Ulco	Culvert	68.59	1/2640 x 250 x 10500 Wide	11.00	11.00	29.04	29.04	1	2.64	58.08	Box
Kamfersdam - Hotazel	L223-EUC2UCW	Ulco	Culvert	69.142	1/800 x 300 x 0 Wide	11.00	11.00	8.8	8.8	1	0.8	17.6	Box
Kamfersdam - Hotazel	L223-EUCW2GP	Ulco	Pipe	69.847	1/φ600 x 0 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L223-EUCW2GP	Ulco	Pipe	70.189	1/φ600 x 14800 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L223-EUCW2GP	Ulco	Culvert	70.41	1/800 x 300 x 14900 Wide	11.00	11.00	8.8	8.8	1	0.8	17.6	Box
Kamfersdam - Hotazel	L223-EUCW2GP	Ulco	Pipe	70.691	1/φ1000 x 15100 Wide	11.00	11.00	11	11	1	1	22	Pipe
Kamfersdam - Hotazel	L223-EUCW2GP	Ulco	Culvert	70.938	1/960 x 300 x 14000 Wide	11.00	11.00	10.56	10.56	1	0.96	21.12	Box
Kamfersdam - Hotazel	L223-EUCW2GP	Ulco	Pipe	71.053	1/φ600 x 18700 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe

Kamfersdam - Hotazel	L223-EUCW2GP	Ulco	Culvert	71.376	1/900 x 400 x 15600 Wide	11.00	11.00	9.9	9.9	1	0.9	19.8	Box
Kamfersdam - Hotazel	L223-EUCW2GP	Ulco	Culvert	71.594	1/1200 x 800 x 12250 Wide	11.00	11.00	13.2	13.2	1	1.2	26.4	Box
Kamfersdam - Hotazel	L223-EUCW2GP	Ulco	Culvert	71.879	1/800 x 150 x 9600 Wide	11.00	11.00	8.8	8.8	1	0.8	17.6	Box
Kamfersdam - Hotazel	L223-EUCW2GP	Ulco	Culvert	72.543	1/800 x 400 x 9300 Wide	11.00	11.00	8.8	8.8	1	0.8	17.6	Box
Kamfersdam - Hotazel	L223-EUCW2GP	Ulco	Culvert	72.846	1/800 x 300 x 9000 Wide	11.00	11.00	8.8	8.8	1	0.8	17.6	Box
Kamfersdam - Hotazel	L223-EUCW2GP	Ulco	Culvert	73.187	1/800 x 300 x 9300 Wide	11.00	11.00	8.8	8.8	1	0.8	17.6	Box
Kamfersdam - Hotazel	L223-EUCW2GP	Ghaap	Culvert	73.542	1/1650 x 600 x 10500 Wide	11.00	11.00	18.15	18.15	1	1.65	36.3	Box
Kamfersdam - Hotazel	L223-EUCW2GP	Ghaap	Culvert	73.961	1/1770 x 500 x 10000 Wide	11.00	11.00	19.47	19.47	1	1.77	38.94	Box
Kamfersdam - Hotazel	L223-EUCW2GP	Ghaap	Culvert	74.267	1/2670 x 300 x 9800 Wide	11.00	11.00	29.37	29.37	1	2.67	58.74	Box
Kamfersdam - Hotazel	L223-EUCW2GP	Ghaap	Pipe	74.967	1/φ600 x 9200 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L223-EUCW2GP	Ghaap	Culvert	75.222	1/830 x 600 x 0 Wide	11.00	11.00	9.13	9.13	1	0.83	18.26	Box
Kamfersdam - Hotazel	L223-EUCW2GP	Ghaap	Pipe	75.44	1/φ600 x 10100 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L223-EUCW2GP	Ghaap	Culvert	75.608	1/800 x 500 x 11500 Wide	11.00	11.00	8.8	8.8	1	0.8	17.6	Box
Kamfersdam - Hotazel	L223-EUCW2GP	Ghaap	Pipe	75.808	1/φ600 x 10600 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L223-EUCW2GP	Ghaap	Culvert	76.078	1/2600 x 600 x 0 Wide	11.00	11.00	28.6	28.6	1	2.6	57.2	Box
Kamfersdam - Hotazel	L223-EUCW2GP	Ghaap	Culvert	76.416	1/800 x 900 x 10100 Wide	11.00	11.00	8.8	8.8	1	0.8	17.6	Box
Kamfersdam - Hotazel	L223-EUCW2GP	Ghaap	Pipe	76.807	1/φ600 x 17200 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L223-EUCW2GP	Ghaap	Culvert	77.028	1/1700 x 600 x 16300 Wide	11.00	11.00	18.7	18.7	1	1.7	37.4	Box
Kamfersdam - Hotazel	L223-EUCW2GP	Ghaap	Culvert	77.127	1/1700 x 300 x 9500 Wide	11.00	11.00	18.7	18.7	1	1.7	37.4	Box
Kamfersdam - Hotazel	L223-EUCW2GP	Ghaap	Pipe	77.309	1/φ600 x 21100 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L223-EUCW2GP	Ghaap	Pipe	77.46	1/φ600 x 23600 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L223-EUCW2GP	Ghaap	Culvert	77.513	1/1100 x 1100 x 14800 Wide	11.00	11.00	12.1	12.1	1	1.1	24.2	Box
Kamfersdam - Hotazel	L223-EUCW2GP	Ghaap	Culvert	78.887	1/800 x 200 x 9000 Wide	11.00	11.00	8.8	8.8	1	0.8	17.6	Box
Kamfersdam - Hotazel	L223-EGP2KNL	Ghaap	Culvert	80.867	6/3700 x 2000 x 9500 Wide	11.00	11.00	40.7	40.7	6	3.7	488.4	Box
Kamfersdam - Hotazel	L223-EGP2KNL	Ghaap	Culvert	81.726	1/900 x 900 x 13000 Wide	11.00	11.00	9.9	9.9	1	0.9	19.8	Box
Kamfersdam - Hotazel	L223-EGP2KNL	Ghaap	Culvert	82.345	1/1700 x 665 x 10200 Wide	11.00	11.00	18.7	18.7	1	1.7	37.4	Box
Kamfersdam - Hotazel	L223-EGP2KNL	Ghaap	Pipe	82.349	1/φ600 x 0 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L223-EGP2KNL	Kneukel	Culvert	82.874	1/1000 x 400 x 9200 Wide	11.00	11.00	11	11	1	1	22	Box
Kamfersdam - Hotazel	L223-EGP2KNL	Kneukel	Culvert	83.143	1/2800 x 400 x 9300 Wide	11.00	11.00	30.8	30.8	1	2.8	61.6	Box
Kamfersdam - Hotazel	L223-EGP2KNL	Kneukel	Culvert	83.732	1/2800 x 600 x 9600 Wide	11.00	11.00	30.8	30.8	1	2.8	61.6	Box
Kamfersdam - Hotazel	L223-EGP2KNL	Kneukel	Culvert	84.032	1/1240 x 500 x 10400 Wide	11.00	11.00	13.64	13.64	1	1.24	27.28	Box
Kamfersdam - Hotazel	L223-EGP2KNL	Kneukel	Pipe	84.358	1/φ600 x 15000 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Box
Kamfersdam - Hotazel	L223-EGP2KNL	Kneukel	Pipe	84.481	1/φ600 x 11600 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L223-EGP2KNL	Kneukel	Pipe	84.994	1/φ600 x 0 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L223-EGP2KNL	Kneukel	Pipe	85.286	1/φ600 x 0 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L223-EGP2KNL	Kneukel	Culvert	85.733	1/2700 x 1000 x 9600 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Kamfersdam - Hotazel	L223-EGP2KNL	Kneukel	Culvert	86.237	1/900 x 200 x 0 Wide	11.00	11.00	9.9	9.9	1	0.9	19.8	Box

Kamfersdam - Hotazel	L222-EKNL2OA	Olea	Culvert	87.522	1/1000 x 1500 x 17100 Wide	11.00	11.00	11	11	1	1	22	Box
Kamfersdam - Hotazel	L222-EKNL2OA	Olea	Culvert	87.925	1/900 x 1500 x 13500 Wide	11.00	11.00	9.9	9.9	1	0.9	19.8	Box
Kamfersdam - Hotazel	L222-EKNL2OA	Olea	Culvert	88.449	1/2700 x 600 x 12400 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Kamfersdam - Hotazel	L222-EKNL2OA	Olea	Culvert	88.732	1/900 x 600 x 14500 Wide	11.00	11.00	9.9	9.9	1	0.9	19.8	Box
Kamfersdam - Hotazel	L222-EKNL2OA	Olea	Culvert	88.972	2/2900 x 600 x 9400 Wide	11.00	11.00	31.9	31.9	2	2.9	127.6	Box
Kamfersdam - Hotazel	L222-EOA2KPM	Olea	Culvert	89.899	1/2700 x 300 x 14500 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Kamfersdam - Hotazel	L222-EOA2KPM	Olea	Culvert	90.281	1/2700 x 500 x 9600 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Kamfersdam - Hotazel	L222-EOA2KPM	Olea	Pipe	90.743	1/φ600 x 11100 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L222-EOA2KPM	Olea	Pipe	90.985	1/φ600 x 11100 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L222-EOA2KPM	Olea	Culvert	91.086	1/996 x 900 x 11400 Wide	11.00	11.00	10.956	10.956	1	0.996	21.912	Box
Kamfersdam - Hotazel	L222-EOA2KPM	Koopmansfontein	Culvert	91.471	1/2700 x 600 x 11200 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Kamfersdam - Hotazel	L222-EOA2KPM	Koopmansfontein	Culvert	91.732	1/1000 x 400 x 9700 Wide	11.00	11.00	11	11	1	1	22	Box
Kamfersdam - Hotazel	L222-EOA2KPM	Koopmansfontein	Culvert	92.204	1/900 x 700 x 11000 Wide	11.00	11.00	9.9	9.9	1	0.9	19.8	Box
Kamfersdam - Hotazel	L222-EOA2KPM	Koopmansfontein	Culvert	92.847	2/2700 x 1400 x 10400 Wide	11.00	11.00	29.7	29.7	2	2.7	118.8	Box
Kamfersdam - Hotazel	L222-EOA2KPM	Koopmansfontein	Pipe	93.442	1/φ600 x 12400 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L222-EOA2KPM	Koopmansfontein	Pipe	93.722	1/φ610 x 0 Wide	11.00	11.00	6.71	6.71	1	0.61	13.42	Pipe
Kamfersdam - Hotazel	L222-EOA2KPM	Koopmansfontein	Culvert	93.95	1/2700 x 1100 x 9640 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Kamfersdam - Hotazel	L222-EOA2KPM	Koopmansfontein	Culvert	94.186	1/950 x 400 x 11100 Wide	11.00	11.00	10.45	10.45	1	0.95	20.9	Box
Kamfersdam - Hotazel	L222-EOA2KPM	Koopmansfontein	Culvert	94.528	1/950 x 400 x 11230 Wide	11.00	11.00	10.45	10.45	1	0.95	20.9	Box
Kamfersdam - Hotazel	L222-EOA2KPM	Koopmansfontein	Pipe	95.032	1/φ500 x 11200 Wide	11.00	11.00	5.5	5.5	1	0.5	11	Pipe
Kamfersdam - Hotazel	L222-EOA2KPM	Koopmansfontein	Culvert	95.152	1/950 x 870 x 11230 Wide	11.00	11.00	10.45	10.45	1	0.95	20.9	Box
Kamfersdam - Hotazel	L222-EOA2KPM	Koopmansfontein	Culvert	95.363	1/2750 x 600 x 9830 Wide	11.00	11.00	30.25	30.25	1	2.75	60.5	Box
Kamfersdam - Hotazel	L222-EOA2KPM	Koopmansfontein	Pipe	96.159	1/φ600 x 16540 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L222-EOA2KPM	Koopmansfontein	Pipe	96.65	1/φ610 x 0 Wide	11.00	11.00	6.71	6.71	1	0.61	13.42	Pipe
Kamfersdam - Hotazel	L222-EOA2KPM	Koopmansfontein	Culvert	96.722	1/950 x 300 x 9930 Wide	11.00	11.00	10.45	10.45	1	0.95	20.9	Box
Kamfersdam - Hotazel	L222-EOA2KPM	Koopmansfontein	Culvert	96.924	1/2700 x 400 x 9670 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Kamfersdam - Hotazel	L225-EKPM2KPU	Koopmansfontein	Culvert	99.581	7/2700 x 1600 x 7470 Wide	11.00	11.00	29.7	29.7	7	2.7	415.8	Box
Kamfersdam - Hotazel	L225-EKPM2KPU	Koopmansfontein	Pipe	99.632	1/φ600 x 14420 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L225-EKPM2KPU	Koopmansfontein	Culvert	101.141	1/1900 x 400 x 10970 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Box
Kamfersdam - Hotazel	L225-EKPM2KPU	Koopmansfontein	Pipe	101.593	1/φ460 x 16900 Wide	11.00	11.00	5.06	5.06	1	0.46	10.12	Pipe
Kamfersdam - Hotazel	L225-EKPM2KPU	Koopmansfontein	Pipe	102.88	1/φ450 x 19100 Wide	11.00	11.00	4.95	4.95	1	0.45	9.9	Pipe
Kamfersdam - Hotazel	L225-EKPM2KPU	Koopmansfontein	Pipe	103.085	1/φ460 x 19500 Wide	11.00	11.00	5.06	5.06	1	0.46	10.12	Pipe
Kamfersdam - Hotazel	L225-EKPM2KPU	Koopmansfontein	Culvert	103.406	1/1850 x 800 x 16660 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L225-EKPM2KPU	Koopmansfontein	Pipe	104.308	1/φ600 x 19930 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L225-EKPM2KPU	Plateau	Culvert	105.619	1/1800 x 1250 x 10600 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box

Kamfersdam - Hotazel	L225-EKPU2PTU	Plateau	Culvert	111.031	1/1830 x 660 x 10180 Wide	11.00	11.00	20.13	20.13	1	1.83	40.26	Box
Kamfersdam - Hotazel	L225-EPTU2PAF	Plateau	Pipe	112.559	1/φ600 x 19230 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L225-EPTU2PAF	Plateau	Culvert	112.982	1/2800 x 500 x 15200 Wide	11.00	11.00	30.8	30.8	1	2.8	61.6	Box
Kamfersdam - Hotazel	L225-EPTU2PAF	Plateau	Culvert	114.773	1/1900 x 850 x 15290 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Box
Kamfersdam - Hotazel	L225-EPTU2PAF	Plateau	Culvert	115.358	1/1850 x 500 x 10790 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L225-EPTU2PAF	Plateau	Culvert	115.84	1/1900 x 400 x 15250 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Box
Kamfersdam - Hotazel	L225-EPAF2AFN	Plateau	Culvert	118.454	1/1850 x 600 x 11090 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L225-EPAF2AFN	Ariesfontein	Pipe	119.596	1/φ600 x 17300 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L225-EPAF2AFN	Ariesfontein	Culvert	120.482	1/1800 x 600 x 14800 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Kamfersdam - Hotazel	L225-EPAF2AFN	Ariesfontein	Pipe	123.126	1/φ600 x 8640 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L225-EPAF2AFN	Ariesfontein	Culvert	125.564	1/1500 x 1500 x 15760 Wide	11.00	11.00	16.5	16.5	1	1.5	33	Box
Kamfersdam - Hotazel	L225-EAFN2TWL	Ariesfontein	Pipe	126.279	1/φ610 x 12800 Wide	11.00	11.00	6.71	6.71	1	0.61	13.42	Pipe
Kamfersdam - Hotazel	L225-EAFN2TWL	Ariesfontein	Culvert	127.394	1/1900 x 500 x 10860 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Box
Kamfersdam - Hotazel	L225-EAFN2TWL	Ariesfontein	Culvert	129.707	1/3800 x 800 x 11050 Wide	11.00	11.00	41.8	41.8	1	3.8	83.6	Box
Kamfersdam - Hotazel	L225-EAFN2TWL	Trewil	Culvert	131.156	1/1850 x 500 x 11050 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L225-EAFN2TWL	Trewil	Culvert	133.934	1/1900 x 400 x 11320 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Box
Kamfersdam - Hotazel	L225-ETWL2SVR	Trewil	Pipe	135.546	1/φ600 x 12260 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L225-ETWL2SVR	Trewil	Culvert	135.946	1/1850 x 650 x 11100 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L225-ETWL2SVR	Trewil	Culvert	136.991	1/1900 x 600 x 10100 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Box
Kamfersdam - Hotazel	L225-ETWL2SVR	Trewil	Culvert	137.8	1/1830 x 500 x 12980 Wide	11.00	11.00	20.13	20.13	1	1.83	40.26	Box
Kamfersdam - Hotazel	L225-ETWL2SVR	Trewil	Pipe	139.027	1/φ610 x 10590 Wide	11.00	11.00	6.71	6.71	1	0.61	13.42	Pipe
Kamfersdam - Hotazel	L225-ETWL2SVR	Trewil	Culvert	139.65	1/1860 x 600 x 17000 Wide	11.00	11.00	20.46	20.46	1	1.86	40.92	Box
Kamfersdam - Hotazel	L225-ETWL2SVR	Silverstreams	Culvert	140.134	1/1850 x 500 x 16780 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L225-ETWL2SVR	Silverstreams	Pipe	140.455	1/φ600 x 19600 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L225-ETWL2SVR	Silverstreams	Culvert	141.068	1/1860 x 500 x 11200 Wide	11.00	11.00	20.46	20.46	1	1.86	40.92	Box
Kamfersdam - Hotazel	L225-ETWL2SVR	Silverstreams	Culvert	141.905	3/1380 x 1750 x 10700 Wide	11.00	11.00	15.18	15.18	3	1.38	91.08	Box
Kamfersdam - Hotazel	L225-ESVR2LAC	Silverstreams	Pipe	146.898	1/φ600 x 13900 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L225-ESVR2LAC	Silverstreams	Pipe	148.187	1/φ460 x 16200 Wide	11.00	11.00	5.06	5.06	1	0.46	10.12	Pipe
Kamfersdam - Hotazel	L225-ESVR2LAC	Lime Acres	Culvert	148.87	2/2700 x 2740 x 12800 Wide	11.00	11.00	29.7	29.7	2	2.7	118.8	Box
Kamfersdam - Hotazel	L225-ESVR2LAC	Lime Acres	Pipe	149.332	1/φ600 x 13100 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L225-ESVR2LAC	Lime Acres	Culvert	149.623	1/1840 x 500 x 12500 Wide	11.00	11.00	20.24	20.24	1	1.84	40.48	Box
Kamfersdam - Hotazel	L225-ESVR2LAC	Lime Acres	Pipe	149.815	1/φ600 x 13100 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L225-ESVR2LAC	Lime Acres	Pipe	150.902	1/φ1000 x 26500 Wide	11.00	11.00	11	11	1	1	22	Pipe
Kamfersdam - Hotazel	L225-ESVR2LAC	Lime Acres	Culvert	151.204	1/600 x 750 x 13600 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Culvert
Kamfersdam - Hotazel	L225-ESVR2LAC	Lime Acres	Pipe	151.206	2/φ762 x 0 Wide	11.00	11.00	8.382	8.382	2	0.762	33.528	Pipe

Kamfersdam - Hotazel	L228-ELAC2LSC	Lime Acres	Culvert	153.279	1/1820 x 400 x 12700 Wide	11.00	11.00	20.02	20.02	1	1.82	40.04	Box
Kamfersdam - Hotazel	L228-ELAC2LSC	Lime Acres	Culvert	153.782	1/1840 x 400 x 11000 Wide	11.00	11.00	20.24	20.24	1	1.84	40.48	Box
Kamfersdam - Hotazel	L228-ELAC2LSC	Lime Acres	Culvert	154.466	1/1850 x 400 x 13400 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L228-ELAC2LSC	Lime Acres	Culvert	155.271	2/1820 x 500 x 11500 Wide	11.00	11.00	20.02	20.02	2	1.82	80.08	Box
Kamfersdam - Hotazel	L228-ELAC2LSC	Lime Acres	Pipe	156.116	1/φ600 x 8100 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L228-ELAC2LSC	Lime Acres	Culvert	156.357	1/1900 x 600 x 6700 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Box
Kamfersdam - Hotazel	L228-ELAC2LSC	Lime Acres	Pipe	156.726	1/φ600 x 0 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L228-ELAC2LSC	Lime Acres	Culvert	156.78	1/1900 x 650 x 6100 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Box
Kamfersdam - Hotazel	L228-ELAC2LSC	Lime Acres	Culvert	157.843	1/2700 x 1600 x 5600 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Kamfersdam - Hotazel	L228-ELAC2LSC	Lime Acres	Culvert	158.462	1/1900 x 800 x 6200 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Box
Kamfersdam - Hotazel	L228-ELAC2LSC	Clifton	Culvert	159.127	1/1900 x 400 x 6100 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Box
Kamfersdam - Hotazel	L228-ELAC2LSC	Clifton	Culvert	159.569	1/1900 x 800 x 4600 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Box
Kamfersdam - Hotazel	L228-ELAC2LSC	Clifton	Culvert	160.092	1/1850 x 500 x 5300 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L228-ELAC2LSC	Clifton	Culvert	160.495	1/1800 x 800 x 5000 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Kamfersdam - Hotazel	L228-ELAC2LSC	Clifton	Culvert	160.864	1/1200 x 500 x 4400 Wide	11.00	11.00	13.2	13.2	1	1.2	26.4	Box
Kamfersdam - Hotazel	L228-ELSC2CTN	Clifton	Culvert	161.286	1/1800 x 600 x 13400 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Kamfersdam - Hotazel	L228-ELSC2CTN	Clifton	Culvert	163.496	1/2700 x 1700 x 12400 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Kamfersdam - Hotazel	L228-ELSC2CTN	Clifton	Culvert	164.063	1/1840 x 1800	11.00	11.00	20.24	20.24	1	1.84	40.48	Box
Kamfersdam - Hotazel	L228-ELSC2CTN	Clifton	Culvert	164.647	1/2700 x 1200 x 12900 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Kamfersdam - Hotazel	L228-ELSC2CTN	Clifton	Pipe	165.874	1/φ600 x 12500 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L228-ELSC2CTN	Clifton	Culvert	166.679	1/1250 x 400 x 13400 Wide	11.00	11.00	13.75	13.75	1	1.25	27.5	Box
Kamfersdam - Hotazel	L228-ECTN2GWR	Clifton	Pipe	167.282	1/φ600 x 4000 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L228-ECTN2GWR	Clifton	Culvert	167.886	2/1800 x 500 x 4200 Wide	11.00	11.00	19.8	19.8	2	1.8	79.2	Box
Kamfersdam - Hotazel	L228-ECTN2GWR	Clifton	Culvert	169.134	2/1800 x 900 x 4200 Wide	11.00	11.00	19.8	19.8	2	1.8	79.2	Box
Kamfersdam - Hotazel	L228-ECTN2GWR	Clifton	Culvert	169.389	2/2750 x 500 x 4200 Wide	11.00	11.00	30.25	30.25	2	2.75	121	Box
Kamfersdam - Hotazel	L228-ECTN2GWR	Clifton	Culvert	169.537	1/2800 x 700 x 4000 Wide	11.00	11.00	30.8	30.8	1	2.8	61.6	Box
Kamfersdam - Hotazel	L228-ECTN2GWR	Clifton	Culvert	169.638	2/2800 x 700 x 4900 Wide	11.00	11.00	30.8	30.8	2	2.8	123.2	Box
Kamfersdam - Hotazel	L228-ECTN2GWR		Culvert	169.537	1/2800 x 700	11.00	11.00	30.8	30.8	1	2.8	61.6	Box
Kamfersdam - Hotazel	L228-ECTN2GWR	Clifton	Culvert	169.898	1/1800 x 400 x 4600 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Kamfersdam - Hotazel	L228-	Clifton	Culvert	170.01	9/1500 x ?? x ?? Wide	11.00	11.00	16.5	16.5	9	1.5	297	Box

	ECTN2GWR												
Kamfersdam - Hotazel	L228-ECTN2GWR	Groenwater	Culvert	170.402	1/1900 x 500 x 4500 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Box
Kamfersdam - Hotazel	L228-ECTN2GWR	Groenwater	Culvert	170.965	1/1700 x 600 x 4900 Wide	11.00	11.00	18.7	18.7	1	1.7	37.4	Box
Kamfersdam - Hotazel	L228-ECTN2GWR	Groenwater	Culvert	171.608	1/1900 x 400 x 4800 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Box
Kamfersdam - Hotazel	L228-ECTN2GWR	Groenwater	Culvert	172.111	1/1800 x 400 x 4700 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Kamfersdam - Hotazel	L228-ECTN2GWR	Groenwater	Culvert	172.593	1/1800 x 400 x 5000 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Kamfersdam - Hotazel	L228-ECTN2GWR	Groenwater	Culvert	173.097	1/1800 x 600 x 0 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Kamfersdam - Hotazel	L228-ECTN2GWR	Groenwater	Pipe	173.57	1/φ1000 x 15300 Wide	11.00	11.00	11	11	1	1	22	Pipe
Kamfersdam - Hotazel	L228-ECTN2GWR	Groenwater	Pipe	173.799	1/φ600 x 0 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L228-ECTN2GWR	Groenwater	Culvert	173.99	1/4100 x 1900 x 16400 Wide	11.00	11.00	45.1	45.1	1	4.1	90.2	Box
Kamfersdam - Hotazel	L228-ECTN2GWR	Groenwater	Culvert	174.268	1/4000 x 1040 x 15300 Wide	11.00	11.00	44	44	1	4	88	Box
Kamfersdam - Hotazel	L228-ECTN2GWR	Groenwater	Pipe	174.411	1/φ900 x 13800 Wide	11.00	11.00	9.9	9.9	1	0.9	19.8	Pipe
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	174.555	1/3100 x 700 x 10400 Wide	11.00	11.00	34.1	34.1	1	3.1	68.2	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Pipe	174.859	1/φ600 x 0 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	174.92	1/2650 x 2800 x 0 Wide	11.00	11.00	29.15	29.15	1	2.65	58.3	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	175.581	1/2700 x 2700 x 13900 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	176.065	1/2750 x 600 x 4800 Wide	11.00	11.00	30.25	30.25	1	2.75	60.5	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	176.568	1/1850 x 500 x 4400 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	176.951	2/1850 x 700 x 4800 Wide	11.00	11.00	20.35	20.35	2	1.85	81.4	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	2.75	1/2750 x 1000 x 5500 Wide	11.00	11.00	30.25	30.25	1	2.75	60.5	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	177.949	1/1200 x 400 x 4800 Wide	11.00	11.00	13.2	13.2	1	1.2	26.4	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	178.27	1/1850 x 500 x 4900 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Pipe	178.512	1/φ600 x 5600 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	179.032	1/1800 x 500 x 4800 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	179.273	1/1850 x 550 x 4600 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	179.298	1/2750 x 650 x 3800 Wide	11.00	11.00	30.25	30.25	1	2.75	60.5	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	179.599	1/2700 x 600 x 4200 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	179.615	2/1850 x 600 x 4800 Wide	11.00	11.00	20.35	20.35	2	1.85	81.4	Box

Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	179.957	1/1850 x 850 x 4900 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	180.622	2/1800 x 550 x 4800 Wide	11.00	11.00	19.8	19.8	2	1.8	79.2	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	180.631	1/1850 x 700 x 4200 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	180.963	1/1800 x 400 x 4800 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	181.325	1/2750 x 500 x 4800 Wide	11.00	11.00	30.25	30.25	1	2.75	60.5	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	181.764	1/2900 x 600 x 4900 Wide	11.00	11.00	31.9	31.9	1	2.9	63.8	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	182.03	1/1850 x 600 x 4400 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	182.049	2/1850 x 600 x 5100 Wide	11.00	11.00	20.35	20.35	2	1.85	81.4	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Pipe	182.251	1/φ900 x 4900 Wide	11.00	11.00	9.9	9.9	1	0.9	19.8	Pipe
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	182.257	1/1800 x 1000 x 5000 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Pipe	182.652	1/φ900 x 5100 Wide	11.00	11.00	9.9	9.9	1	0.9	19.8	Pipe
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	182.854	2/1800 x 900 x 4900 Wide	11.00	11.00	19.8	19.8	2	1.8	79.2	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	183.718	1/1800 x 500 x 4800 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Groenwater	Culvert	184.529	1/2800 x 1600 x 11000 Wide	11.00	11.00	30.8	30.8	1	2.8	61.6	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Tsantsabane	Culvert	185.676	1/1850 x 900 x 5500 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Tsantsabane	Culvert	185.87	1/1850 x 900 x 6300 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Tsantsabane	Culvert	187.116	1/1250 x 500 x 4700 Wide	11.00	11.00	13.75	13.75	1	1.25	27.5	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Tsantsabane	Culvert	188.002	1/1850 x 500 x 5700 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Tsantsabane	Culvert	189.127	1/1200 x 400 x 4700 Wide	11.00	11.00	13.75	13.75	1	1.25	27.5	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Tsantsabane	Culvert	189.973	1/1250 x 500 x 4500 Wide	11.00	11.00	13.75	13.75	1	1.25	27.5	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Tsantsabane	Culvert	190.816	1/1250 x 400 x 4900 Wide	11.00	11.00	13.75	13.75	1	1.25	27.5	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Tsantsabane	Culvert	193.342	5/2900 x 1750 x 14200 Wide	11.00	11.00	31.9	31.9	5	2.9	319	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Tsantsabane	Culvert	194.604	2/2800 x 1350 x 12900 Wide	11.00	11.00	30.8	30.8	2	2.8	123.2	Box
Kamfersdam - Hotazel	L228-EGWR2TSE	Tsantsabane	Culvert	195.032	1/1750 x 1400 x 13800 Wide	11.00	11.00	19.25	19.25	1	1.75	38.5	Box
Kamfersdam - Hotazel	L228-ETSE2PMG	Tsantsabane	Culvert	195.537	1/2000 x 1000 x 13300 Wide	11.00	11.00	22	22	1	2	44	Box
Kamfersdam - Hotazel	L228-ETSE2PMG	Tsantsabane	Culvert	196.38	1/1730 x 500 x 8300 Wide	11.00	11.00	19.03	19.03	1	1.73	38.06	Box
Kamfersdam - Hotazel	L228-ETSE2PMG	Tsantsabane	Culvert	197.105	2/1850 x 750 x 4500 Wide	11.00	11.00	20.35	20.35	2	1.85	81.4	Box
Kamfersdam - Hotazel	L228-ETSE2PMG	Tsantsabane	Culvert	197.155	3/1500 x 900 x Wide	11.00	11.00	16.5	16.5	3	1.5	99	Box
Kamfersdam - Hotazel	L228-ETSE2PMG	Tsantsabane	Culvert	197.871	1/1850 x 900 x 5600 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L228-ETSE2PMG	Tsantsabane	Culvert	198.052	2/3200 x 2800 x 5500 Wide	11.00	11.00	35.2	35.2	2	3.2	140.8	Box
Kamfersdam - Hotazel	L228-ETSE2PMG	Tsantsabane	Culvert	198.867	1/1750 x 300 x 3300 Wide	11.00	11.00	19.25	19.25	1	1.75	38.5	Box
Kamfersdam - Hotazel	L228-ETSE2PMG	Tsantsabane	Culvert	199.159	1/1800 x 300 x 4400 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Kamfersdam - Hotazel	L228-ETSE2PMG	Postmasburg	Culvert	200.286	1/1850 x 600 x 4400 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box

Kamfersdam - Hotazel	L228-ETSE2PMG	Postmasburg	Culvert	200.507	1/1850 x 400 x 4200 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L228-ETSE2PMG	Postmasburg	Culvert	200.892	1/1850 x 400 x 4400 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L228-ETSE2PMG	Postmasburg	Culvert	201.059	1/1850 x 700 x 4500 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L228-ETSE2PMG	Postmasburg	Culvert	201.473	1/1850 x 600 x 4500 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L228-ETSE2PMG	Postmasburg	Culvert	202.056	1/1250 x 300 x 4300 Wide	11.00	11.00	13.75	13.75	1	1.25	27.5	Box
Kamfersdam - Hotazel	L228-ETSE2PMG	Postmasburg	Culvert	202.378	1/1250 x 300 x 4300 Wide	11.00	11.00	13.75	13.75	1	1.25	27.5	Box
Kamfersdam - Hotazel	L228-ETSE2PMG	Postmasburg	Culvert	202.748	2/2750 x 1750 x 0 Wide	11.00	11.00	30.25	30.25	2	2.75	121	Box
Kamfersdam - Hotazel	L228-ETSE2PMG	Postmasburg	Pipe	203.002	1/φ600 x 4600 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L228-ETSE2PMG	Postmasburg	Culvert	203.826	1/1850 x 900 x 4400 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L228-ETSE2PMG	Postmasburg	Culvert	203.913	1/2500 x 1400 x 4700 Wide	11.00	11.00	27.5	27.5	1	2.5	55	Box
Kamfersdam - Hotazel	L231-EPMG2BEK	Postmasburg	Culvert	205.893	1/1850 x 700 x 9300 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L231-EPMG2BEK	Postmasburg	Culvert	206.275	1/1850 x 950 x 17100 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L231-EPMG2BEK	Postmasburg	Culvert	206.516	1/1820 x 900 x 11900 Wide	11.00	11.00	20.02	20.02	1	1.82	40.04	Box
Kamfersdam - Hotazel	L231-EPMG2BEK	Postmasburg	Culvert	207.384	1/1850 x 950 x 12000 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L231-EPMG2BEK	Postmasburg	Culvert	207.751	1/1900 x 1800 x 0 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Box
Kamfersdam - Hotazel	L231-EPMG2BEK	Beeshoek	Culvert	208.468	1/1250 x 450 x 9400 Wide	11.00	11.00	13.75	13.75	1	1.25	27.5	Box
Kamfersdam - Hotazel	L231-EPMG2BEK	Beeshoek	Pipe	209.303	1/φ610 x 5900 Wide	11.00	11.00	6.71	6.71	1	0.61	13.42	Pipe
Kamfersdam - Hotazel	L231-EPMG2BEK	Beeshoek	Culvert	209.75	1/2650 x 3380 x 5600 Wide	11.00	11.00	29.15	29.15	1	2.65	58.3	Box
Kamfersdam - Hotazel	L231-EPMG2BEK	Beeshoek	Culvert	210.016	1/2770 x 2800 x 5600 Wide	11.00	11.00	30.47	30.47	1	2.77	60.94	Box
Kamfersdam - Hotazel	L231-EPMG2BEK	Beeshoek	Culvert	210.781	2/1800 x 900 x 5800 Wide	11.00	11.00	19.8	19.8	2	1.8	79.2	Box
Kamfersdam - Hotazel	L231-EPMG2BEK	Beeshoek	Pipe	211.091	1/φ600 x 5200 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L231-EPMG2BEK	Beeshoek	Culvert	211.314	1/1200 x 600 x 7400 Wide	11.00	11.00	13.2	13.2	1	1.2	26.4	Box
Kamfersdam - Hotazel	L231-EPMG2BEK	Beeshoek	Culvert	211.895	1/1500 x 1000 x 0 Wide	11.00	11.00	16.5	16.5	1	1.5	33	Box
Kamfersdam - Hotazel	L231-EPMG2BEK	Beeshoek	Culvert	212.281	1/1500 x 1500 x 0 Wide	11.00	11.00	16.5	16.5	1	1.5	33	Box
Kamfersdam - Hotazel	L231-EBEK2BOK	Beeshoek	Culvert	212.962	2/1500 x 1500 x 0 Wide	11.00	11.00	16.5	16.5	2	1.5	66	Box
Kamfersdam - Hotazel	L231-EBEK2BOK	Beeshoek	Culvert	213.49	2/2500 x 2000 x 0 Wide	11.00	11.00	27.5	27.5	2	2.5	110	Box
Kamfersdam - Hotazel	L231-EBEK2BOK	Beeshoek	Pipe	214.156	1/φ900 x 0 Wide	11.00	11.00	9.9	9.9	1	0.9	19.8	Pipe
Kamfersdam - Hotazel	L231-EBEK2BOK	Beeshoek	Pipe	214.688	2/φ450 x 0 Wide	11.00	11.00	4.95	4.95	2	0.45	19.8	Pipe
Kamfersdam - Hotazel	L231-EBEK2BOK	Beeshoek	Culvert	214.835	1/2700 x 610 x 6400 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Kamfersdam - Hotazel	L231-EBEK2BOK	Beeshoek	Culvert	215.241	1/2700 x 750 x 6700 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Kamfersdam - Hotazel	L231-EBEK2BOK	Beeshoek	Culvert	215.759	1/2700 x 500 x 6300 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Kamfersdam - Hotazel	L231-EBEK2BOK	Beeshoek	Culvert	216.609	2/2450 x 900 x 6400 Wide	11.00	11.00	26.95	26.95	2	2.45	107.8	Box
Kamfersdam - Hotazel	L231-EBEK2BOK	Beeshoek	Culvert	216.94	1/2750 x 700 x 6600 Wide	11.00	11.00	30.25	30.25	1	2.75	60.5	Box
Kamfersdam - Hotazel	L231-EBEK2BOK	Beeshoek	Culvert	217.375	1/1820 x 600 x 4900 Wide	11.00	11.00	20.02	20.02	1	1.82	40.04	Box
Kamfersdam - Hotazel	L231-EBEK2BOK	Bokkoppie	Culvert	217.787	1/1900 x 500 x 4200 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Box
Kamfersdam - Hotazel	L231-EBEK2BOK	Bokkoppie	Pipe	218.138	1/φ610 x 4300 Wide	11.00	11.00	6.71	6.71	1	0.61	13.42	Pipe
Kamfersdam - Hotazel	L231-EBEK2BOK	Bokkoppie	Culvert	218.642	3/5000 x 3100 x 0 Wide	11.00	11.00	55	55	1	5	110	Box
Kamfersdam - Hotazel	L231-EBEK2BOK	Bokkoppie	Culvert	219.598	1/1850 x 700 x 4400 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box

Kamfersdam - Hotazel	L231-EBEK2BOK	Bokkoppie	Culvert	221.285	1/2790 x 820 x 9900 Wide	11.00	11.00	30.69	30.69	1	2.79	61.38	Box
Kamfersdam - Hotazel	L231-EBOK2PPN	Bokkoppie	Culvert	223.946	1/1820 x 600 x 4300 Wide	11.00	11.00	20.02	20.02	1	1.82	40.04	Box
Kamfersdam - Hotazel	L231-EBOK2PPN	Palingpan	Culvert	224.621	1/2700 x 930 x 6000 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Kamfersdam - Hotazel	L231-EBOK2PPN	Palingpan	Culvert	225.178	1/1820 x 600 x 4400 Wide	11.00	11.00	20.02	20.02	1	1.82	40.04	Box
Kamfersdam - Hotazel	L231-EBOK2PPN	Palingpan	Culvert	225.705	1/2750 x 900 x 4400 Wide	11.00	11.00	30.25	30.25	1	2.75	60.5	Box
Kamfersdam - Hotazel	L231-EBOK2PPN	Palingpan	Culvert	226.368	1/1850 x 600 x 4100 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L231-EBOK2PPN	Palingpan	Culvert	226.795	1/1820 x 500 x 4100 Wide	11.00	11.00	20.02	20.02	1	1.82	40.04	Box
Kamfersdam - Hotazel	L231-EBOK2PPN	Palingpan	Culvert	227.037	1/2750 x 610 x 4200 Wide	11.00	11.00	30.25	30.25	1	2.75	60.5	Box
Kamfersdam - Hotazel	L231-EBOK2PPN	Palingpan	Culvert	227.258	1/900 x 700 x 12800 Wide	11.00	11.00	9.9	9.9	1	0.9	19.8	Box
Kamfersdam - Hotazel	L231-EBOK2PPN	Palingpan	Pipe	227.581	1/φ520 x 17500 Wide	11.00	11.00	5.72	5.72	1	0.52	11.44	Pipe
Kamfersdam - Hotazel	L231-EPPN2GSN	Palingpan	Culvert	227.742	1/1900 x 900 x 19800 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Box
Kamfersdam - Hotazel	L231-EPPN2GSN	Palingpan	Culvert	228.084	1/1820 x 650 x 9800 Wide	11.00	11.00	20.02	20.02	1	1.82	40.04	Box
Kamfersdam - Hotazel	L231-EPPN2GSN	Palingpan	Culvert	228.472	1/1820 x 950 x 5500 Wide	11.00	11.00	20.02	20.02	1	1.82	40.04	Box
Kamfersdam - Hotazel	L231-EPPN2GSN	Palingpan	Culvert	228.847	1/3650 x 800 x 5500 Wide	11.00	11.00	40.15	40.15	1	3.65	80.3	Box
Kamfersdam - Hotazel	L231-EPPN2GSN	Palingpan	Culvert	229.254	1/1850 x 600 x 4200 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L231-EPPN2GSN	Palingpan	Culvert	229.575	1/3650 x 830 x 5500 Wide	11.00	11.00	40.15	40.15	1	3.65	80.3	Box
Kamfersdam - Hotazel	L231-EPPN2GSN	Palingpan	Culvert	230.088	1/1850 x 550 x 4600 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L231-EPPN2GSN	Glosam	Culvert	230.961	1/2750 x 950 x 4400 Wide	11.00	11.00	30.25	30.25	1	2.75	60.5	Box
Kamfersdam - Hotazel	L231-EPPN2GSN	Glosam	Culvert	231.606	1/1820 x 600 x 15300 Wide	11.00	11.00	20.02	20.02	1	1.82	40.04	Box
Kamfersdam - Hotazel	L231-EGSN2LHA	Glosam	Culvert	232.671	1/4050 x 300 x 15300 Wide	11.00	11.00	44.55	44.55	1	4.05	89.1	Box
Kamfersdam - Hotazel	L231-EGSN2LHA	Glosam	Culvert	233.013	1/1900 x 800 x 14400 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Box
Kamfersdam - Hotazel	L231-EGSN2LHA	Glosam	Culvert	233.983	1/1820 x 800 x 8800 Wide	11.00	11.00	20.02	20.02	1	1.82	40.04	Box
Kamfersdam - Hotazel	L231-EGSN2LHA	Glosam	Culvert	234.809	1/1850 x 300 x 8600 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L231-EGSN2LHA	Glosam	Culvert	235.69	1/1850 x 650 x 6000 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L231-EGSN2LHA	Glosam	Culvert	236.387	1/1850 x 300 x 4300 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L231-EGSN2LHA	Lohatlha	Culvert	237.091	1/1850 x 630 x 4200 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L231-EGSN2LHA	Lohatlha	Culvert	237.697	1/1850 x 1250 x 5700 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L231-EGSN2LHA	Lohatlha	Culvert	238.112	1/1850 x 1850 x 5500 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L231-EGSN2LHA	Lohatlha	Culvert	238.479	1/2750 x 1400 x 5600 Wide	11.00	11.00	30.25	30.25	1	2.75	60.5	Box
Kamfersdam - Hotazel	L231-EGSN2LHA	Lohatlha	Culvert	238.792	2/2750 x 600 x 5400 Wide	11.00	11.00	30.25	30.25	2	2.75	121	Box
Kamfersdam - Hotazel	L231-EGSN2LHA	Lohatlha	Culvert	239.171	1/3650 x 650 x 5600 Wide	11.00	11.00	40.15	40.15	1	3.65	80.3	Box
Kamfersdam - Hotazel	L231-EGSN2LHA	Lohatlha	Culvert	239.512	1/1220 x 650 x 5600 Wide	11.00	11.00	13.42	13.42	1	1.22	26.84	Box
Kamfersdam - Hotazel	L231-EGSN2LHA	Lohatlha	Culvert	240.476	1/2750 x 700 x 14800 Wide	11.00	11.00	30.25	30.25	1	2.75	60.5	Box
Kamfersdam - Hotazel	L231-EGSN2LHA	Lohatlha	Culvert	240.628	1/1700 x 600 x 10900 Wide	11.00	11.00	18.7	18.7	1	1.7	37.4	Box
Kamfersdam - Hotazel	L231-EGSN2LHA	Lohatlha	Culvert	240.98	1/1900 x 650 x 25300 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Box
Kamfersdam - Hotazel	L231-EGSN2LHA	Lohatlha	Culvert	241.305	1/1850 x 980 x 29700 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L233-ELHA2HBL	Lohatlha	Culvert	241.902	1/1850 x 850 x 0 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L233-ELHA2HBL	Lohatlha	Culvert	243.149	1/1820 x 700 x 6500 Wide	11.00	11.00	20.02	20.02	1	1.82	40.04	Box

Kamfersdam - Hotazel	L233-ELHA2HBL	Lohatlha	Pipe	245.063	1/φ610 x 7000 Wide	11.00	11.00	6.71	6.71	1	0.61	13.42	Pipe
Kamfersdam - Hotazel	L233-ELHA2HBL	Lohatlha	Culvert	245.742	1/3000 x 1000 x 4700 Wide	11.00	11.00	33	33	1	3	66	Box
Kamfersdam - Hotazel	L233-ELHA2HBL	Lohatlha	Culvert	245.747	1/1870 x 600 x 0 Wide	11.00	11.00	20.57	20.57	1	1.87	41.14	Box
Kamfersdam - Hotazel	L233-ELHA2HBL	Lohatlha	Culvert	245.909	1/1850 x 1000 x 5100 Wide	11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Kamfersdam - Hotazel	L233-ELHA2HBL	Lohatlha	Pipe	246.13	1/φ610 x 6600 Wide	11.00	11.00	6.71	6.71	1	0.61	13.42	Pipe
Kamfersdam - Hotazel	L233-ELHA2HBL	Haakbosleegte	Pipe	247.004	1/φ610 x 4400 Wide	11.00	11.00	6.71	6.71	1	0.61	13.42	Pipe
Kamfersdam - Hotazel	L233-ELHA2HBL	Haakbosleegte	Culvert	247.87	1/1800 x 900 x 9500 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Kamfersdam - Hotazel	L233-ELHA2HBL	Haakbosleegte	Culvert	248.47	1/2000 x 900 x 5400 Wide	11.00	11.00	22	22	1	2	44	Box
Kamfersdam - Hotazel	L233-ELHA2HBL	Haakbosleegte	Pipe	248.494	1/φ850 x 0 Wide	11.00	11.00	9.35	9.35	1	0.85	18.7	Pipe
Kamfersdam - Hotazel	L233-ELHA2HBL	Haakbosleegte	Culvert	249.506	1/2450 x 600 x 5000 Wide	11.00	11.00	26.95	26.95	1	2.45	53.9	Box
Kamfersdam - Hotazel	L233-ELHA2HBL	Haakbosleegte	Pipe	249.598	1/φ600 x 4700 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L233-ELHA2HBL	Haakbosleegte	Pipe	250.667	1/φ460 x 12600 Wide	11.00	11.00	5.06	5.06	1	0.46	10.12	Pipe
Kamfersdam - Hotazel	L233-EHBL2GAA	Haakbosleegte	Culvert	251.485	2/2100 x 900 x 10700 Wide	11.00	11.00	23.1	23.1	2	2.1	92.4	Box
Kamfersdam - Hotazel	L233-EHBL2GAA	Haakbosleegte	Culvert	251.987	1/2730 x 510 x 11000 Wide	11.00	11.00	30.03	30.03	1	2.73	60.06	Box
Kamfersdam - Hotazel	L233-EHBL2GAA	Haakbosleegte	Pipe	252.253	1/φ600 x 4900 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L233-EHBL2GAA	Haakbosleegte	Culvert	252.264	2/3000 x 900 x 4800 Wide	11.00	11.00	33	33	2	3	132	Box
Kamfersdam - Hotazel	L233-EHBL2GAA	Haakbosleegte	Pipe	252.273	1/φ600 x 0 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L233-EHBL2GAA	Haakbosleegte	Pipe	252.339	1/φ600 x 4500 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L233-EHBL2GAA	Haakbosleegte	Culvert	253.774	2/3670 x 3430 x 0 Wide	11.00	11.00	40.37	40.37	2	3.67	161.48	Box
Kamfersdam - Hotazel	L233-EHBL2GAA	Haakbosleegte	Pipe	254.432	1/φ600 x 6900 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L233-EHBL2GAA	Haakbosleegte	Pipe	254.934	1/φ900 x 9700 Wide	11.00	11.00	9.9	9.9	1	0.9	19.8	Pipe
Kamfersdam - Hotazel	L233-EHBL2GAA	Haakbosleegte	Pipe	255.327	1/φ600 x 6600 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L233-EHBL2GAA	Haakbosleegte	Culvert	255.7	1/1800 x 1850 x 14900 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Kamfersdam - Hotazel	L233-EHBL2GAA	Haakbosleegte	Pipe	256.228	1/φ620 x 19300 Wide	11.00	11.00	6.82	6.82	1	0.62	13.64	Pipe
Kamfersdam - Hotazel	L233-EHBL2GAA	Haakbosleegte	Pipe	257.272	1/φ860 x 0 Wide	11.00	11.00	9.46	9.46	1	0.86	18.92	Pipe
Kamfersdam - Hotazel	L233-EHBL2GAA	Haakbosleegte	Culvert	257.275	1/1830 x 900 x 7000 Wide	11.00	11.00	20.13	20.13	1	1.83	40.26	Box
Kamfersdam - Hotazel	L233-EHBL2GAA	Haakbosleegte	Pipe	257.662	1/φ610 x 4600 Wide	11.00	11.00	6.71	6.71	1	0.61	13.42	Pipe
Kamfersdam - Hotazel	L233-EHBL2GAA	Haakbosleegte	Pipe	258.737	1/φ610 x 9200 Wide	11.00	11.00	6.71	6.71	1	0.61	13.42	Pipe
Kamfersdam - Hotazel	L233-EHBL2GAA	Haakbosleegte	Culvert	259.695	1/4580 x 4600	11.00	11.00	50.38	50.38	1	4.58	100.76	Culvert
Kamfersdam - Hotazel	L233-EHBL2GAA	Haakbosleegte	Pipe	260.045	1/φ850	11.00	11.00	9.35	9.35	1	0.85	18.7	Pipe
Kamfersdam - Hotazel	L233-EHBL2GAA	Gamagara	Pipe	260.593	1/φ900 x 6800 Wide	11.00	11.00	9.9	9.9	1	0.9	19.8	Pipe
Kamfersdam - Hotazel	L233-EHBL2GAA	Gamagara	Culvert	260.955	1/φ850 x 6600 Wide	11.00	11.00	9.35	9.35	1	0.85	18.7	Box
Kamfersdam - Hotazel	L233-EHBL2GAA	Gamagara	Pipe	261.062	1/φ900 x 11600 Wide	11.00	11.00	9.9	9.9	1	0.9	19.8	Pipe
Kamfersdam - Hotazel	L233-EHBL2GAA	Gamagara	Culvert	261.721	6/1800x 1650 High	11.00	11.00	19.8	19.8	6	1.8	237.6	Culvert
Kamfersdam - Hotazel	L233-EHBL2GAA	Gamagara	Culvert	262.095	1/3650 x 2100 x 10100 Wide	11.00	11.00	40.15	40.15	1	3.65	80.3	Culvert
Kamfersdam - Hotazel	L233-E06	Gamagara	Pipe	262.099	1/φ900	11.00	11.00	9.9	9.9	1	0.9	19.8	Pipe

Kamfersdam - Hotazel	L233-EHBL2GAA	Gamagara	Pipe	262.366	1/φ600 x 15400 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L233-EHBL2GAA	Gamagara	Pipe	262.707	1/φ900 x 12800 Wide	11.00	11.00	9.9	9.9	1	0.9	19.8	Pipe
Kamfersdam - Hotazel	L233-EHBL2GAA	Gamagara	Culvert	262.715	1/φ600 x 5900 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Box
Kamfersdam - Hotazel	L233-EHBL2GAA	Gamagara	Culvert	263.36	1/3650 x2100 High	11.00	11.00	40.15	40.15	1	3.65	80.3	Culvert
Kamfersdam - Hotazel	L233-EHBL2GAA	Gamagara	Culvert	263.36	1/φ900 x 6600 Wide	11.00	11.00	9.9	9.9	1	0.9	19.8	Box
Kamfersdam - Hotazel	L233-EHBL2GAA	Sishen	Pipe	264.126	1/φ600 x 15400 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L233-EHBL2GAA	Sishen	Pipe	264.411	1/φ600 x 9000 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Hotazel	L233-EGAA2SIN	Sishen	Pipe	264.594	4/2000 x 1500 High	11.00	11.00	22	22	4	2	176	Pipe
Kamfersdam - Hotazel	L233-EGAA2SIN	Gamagara	Culvert	265.015	11/1500 x 900 High	11.00	11.00	16.5	16.5	11	1.5	363	Box
Kamfersdam - Hotazel	L233-EGAA2SIN	Sishen	Pipe	265.198	11/1500 x 900 High	11.00	11.00	16.5	16.5	11	1.5	363	Pipe
Kamfersdam - Hotazel	L233-EGAA2SIN	Gamagara	Culvert	265.485	11/1500 x 900 High	11.00	11.00	16.5	16.5	11	1.5	363	Box
Kamfersdam - Hotazel	L234-ESIN2EIL	Sishen	Pipe	266.067	3/φ600 x 6900 Wide	11.00	11.00	6.6	6.6	3	0.6	39.6	Pipe
Kamfersdam - Hotazel	L234-ESIN2EIL	Gamagara	Culvert	268.699	15/1500 x 900 High	11.00	11.00	16.5	16.5	15	1.5	495	Box
Kamfersdam - Hotazel	L234-ESIN2EIL	Sishen	Culvert	269.181	7/1500 x 900 High	11.00	11.00	16.5	16.5	7	1.5	231	Box
Kamfersdam - Hotazel	L234-ESIN2EIL	Gamagara	Culvert	269.456	6/2500 x 1500 High	11.00	11.00	27.5	27.5	6	2.5	330	Box
Kamfersdam - Hotazel	L234-ESIN2EIL	Sishen	Culvert	270.416	5/1500 x 1200 High	11.00	11.00	16.5	16.5	5	1.5	165	Box
Kamfersdam - Hotazel	L234-ESIN2EIL	Sishen	Culvert	270.506	2/2000 x 1500 High	11.00	11.00	22	22	2	2	88	Box
Kamfersdam - Hotazel	L234-ESIN2EIL	Sishen	Pipe	271.581	2/2500 x 1500 High	11.00	11.00	27.5	27.5	2	2.5	110	Pipe
Kamfersdam - Hotazel	L234-ESIN2EIL	Sishen	Culvert	271.973	6/2500 x 1500 High	11.00	11.00	27.5	27.5	6	2.5	330	Box
Kamfersdam - Hotazel	L234-ESIN2EIL	Emil	Culvert	273.828	1/1200 x 900 High	11.00	11.00	13.2	13.2	1	1.2	26.4	Culvert
Kamfersdam - Hotazel	L234-ESIN2EIL	Emil	Pipe	277.37	2/φ1.2	11.00	11.00	13.2	13.2	2	1.2	52.8	Pipe
Kamfersdam - Hotazel	L234-EEIL2WNC	Emil	Culvert	278.278	1/3000 x 900 x 4900 Wide	11.00	11.00	33	33	1	3	66	Box
Kamfersdam - Hotazel	L234-EEIL2WNC	Emil	Culvert	279.508	1/φ600 x 6100 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Box
Kamfersdam - Hotazel	L234-EEIL2WNC	Emil	Culvert	281.288	1/φ600 x 5400 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Box
Kamfersdam - Hotazel	L234-EEIL2WNC	Emil	Culvert	282.448	1/3000 x 1200 x 4400 Wide	11.00	11.00	33	33	1	3	66	Box
Kamfersdam - Hotazel	L234-EEIL2WNC	Emil	Culvert	282.996	1/3600 x 1100 x 7900 Wide	11.00	11.00	39.6	39.6	1	3.6	79.2	Box
Kamfersdam - Hotazel	L234-EEIL2WNC	Emil	Culvert	282.997	1/3000 x 750 x 5400 Wide	11.00	11.00	33	33	1	3	66	Box
Kamfersdam - Hotazel	L234- EWNC2VML	Emil	Culvert	282.998	1/2500 x 750 x 5000 Wide	11.00	11.00	27.5	27.5	1	2.5	55	Box
Kamfersdam - Hotazel	L234-EVML2MLT	Emil	Culvert	282.999	2/3400 x 2400 x 14400 Wide	11.00	11.00	37.4	37.4	2	3.4	149.6	Box
Kamfersdam - Hotazel	L235-EWIP2HLZ	Emil	Culvert	283.96	2/3700 x 2450 x 7900 Wide	11.00	11.00	40.7	40.7	2	3.7	162.8	Box
Kamfersdam - Hotazel	L235-EWIP2HLZ	Emil	Culvert	284.318	1/3650 x 2450 x 5500 Wide	11.00	11.00	40.15	40.15	1	3.65	80.3	Box
Kamfersdam - Hotazel	L232- EPPN2MGR	Emil	Culvert	284.868	1/1900 x 860 x 0 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Box
Kamfersdam - Hotazel	L232- EPPN2MGR	Wincanton	Pipe	288.705	1/1900 x 600 x 0 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Pipe
Kamfersdam - Hotazel	L232- EPPN2MGR	Wincanton	Pipe	288.732	1/1900 x 600 x 0 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Pipe

Kamfersdam - Hotazel	L232-EPPN2MGR	Wincanton	Culvert	290.224	1/1900 x 850 x 0 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Box
Kamfersdam - Hotazel	L232-EPPN2MGR	Wincanton	Culvert	291.291	1/1900 x 600 x 0 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Box
Kamfersdam - Hotazel	L232-EPPN2MGR	Wincanton	Culvert	292.496	1/1900 x 300 x 0 Wide	11.00	11.00	20.9	20.9	1	1.9	41.8	Box
Kamfersdam - Hotazel	L232-EPPN2MGR	Wincanton	Culvert	299.885	1/2100 x 300 x 0 Wide	11.00	11.00	23.1	23.1	1	2.1	46.2	Box
Kamfersdam - Hotazel	L206-EKFM2BD	Mamathwane	Culvert	310.154	1/φ700 x 0 Wide	11.00	11.00	7.7	7.7	1	0.7	15.4	Box
Kamfersdam - Hotazel	L206-EKFM2BD	Witloop	Culvert	327.382	1/2200 x 1100 x 0 Wide	11.00	11.00	24.2	24.2	1	2.2	48.4	Box
Kamfersdam - Hotazel	L206-EKFM2BD	Witloop	Culvert	327.457	6/φ600 x 0 Wide	11.00	11.00	6.6	6.6	6	0.6	79.2	Box
Kamfersdam - Beaconsfield	L206-EKFM2BD	Kamfersdam	Culvert	0.784	4/φ600 + 2/φ450 x 0 Wide	11.00	11.00	6.6	6.6	4	0.6	52.8	Box
Kamfersdam - Beaconsfield	L206-EKFM2BD	Kamfersdam	Culvert	1.51	1/φ600 x 0 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Box
Kamfersdam - Beaconsfield	L206-EKFM2BD	Kamfersdam	Culvert	2.074	1/φ600 x 0 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Box
Kamfersdam - Beaconsfield	L206-EKFM2BD	Kamfersdam	Culvert	3.061	1/1800 + 1/1200 x 600 x 0 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Kamfersdam - Beaconsfield	L206-EKFM2BD	Kamfersdam	Culvert	3.665	1/3650 x 1800 x 0 Wide	11.00	11.00	40.15	40.15	1	3.65	80.3	Box
Kamfersdam - Beaconsfield	L206-EKFM2BD	Kamfersdam	Culvert	4.229	1/1800 x 1800 x 0 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Kamfersdam - Beaconsfield	L206-EKFM2BD	Kamfersdam	Culvert	4.893	2/φ300 x 0 Wide	11.00	11.00	3.3	3.3	2	0.3	13.2	Box
Kamfersdam - Beaconsfield	L206-EKFM2BD	Kamfersdam	Pipe	0.366	5/φ600 + 1/φ300 x 0 Wide	11.00	11.00	6.6	6.6	5	0.6	66	Pipe
Kamfersdam - Beaconsfield	L206-EKFM2BD	Kamfersdam	Culvert	0.433	1/φ600 x 0 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Box
Kamfersdam - Beaconsfield	L206-EKFM2BD	Kamfersdam	Pipe	1.477	1/3650 x 1100 x 0 Wide	11.00	11.00	40.15	40.15	1	3.65	80.3	Pipe
Kamfersdam - Beaconsfield	L206-EKFM2BD	Kamfersdam	Pipe	1.492	1/1800 x 1800 x 0 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Pipe
Kamfersdam - Beaconsfield	L206-EKFM2BD	Kamfersdam	Pipe	2.071	1/2750 + 3/760 x 2800 x 0 Wide	11.00	11.00	30.25	30.25	1	2.75	60.5	Pipe
Kamfersdam - Beaconsfield	L206-EKFM2BD	Kamfersdam	Pipe	2.703	3/760 x 0 x 0 Wide	11.00	11.00	8.36	8.36	3	0.76	50.16	Pipe
Kamfersdam - Beaconsfield	L206-EKFM2BD	Kamfersdam	Culvert	2.887	1/φ450 x 0 Wide	11.00	11.00	4.95	4.95	1	0.45	9.9	Box
Kamfersdam - Beaconsfield	L206-EKFM2BD	Kamfersdam	Culvert	3.143	1/φ450 x 0 Wide	11.00	11.00	4.95	4.95	1	0.45	9.9	Box
Kamfersdam - Beaconsfield	L206-EKFM2BD	Kamfersdam	Culvert	3.476	1/4800 x 3600 x 0 Wide	11.00	11.00	52.8	52.8	1	4.8	105.6	Box
Kamfersdam - Beaconsfield	L206-EKFM2BD	Kamfersdam	Pipe	3.822	1/2750 x 2000 x 0 Wide	11.00	11.00	30.25	30.25	1	2.75	60.5	Pipe
Kamfersdam - Beaconsfield	L206-EKFM2BD	Kamfersdam	Pipe	4.018	1/φ600 x 0 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Pipe
Kamfersdam - Beaconsfield	L206-EKFM2BD	Kamfersdam	Pipe	4.021	1/1450 x 350 x 0 Wide	11.00	11.00	15.95	15.95	1	1.45	31.9	Pipe
Kamfersdam - Beaconsfield	L206-EKFM2BD	Beaconsfield	Culvert	4.745	1/1800 x 600 x 0 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Kamfersdam - Beaconsfield	L206-EKFM2BD	Beaconsfield	Culvert	4.886	2/1800 x 1450 x 0 Wide	11.00	11.00	19.8	19.8	2	1.8	79.2	Box
Kamfersdam - Beaconsfield	L206-EKFM2BD	Beaconsfield	Culvert	5.122	2/1900 x 800 x 0 Wide	11.00	11.00	20.9	20.9	2	1.9	83.6	Box
Kamfersdam - Beaconsfield	L236-EMFL2FDW	Beaconsfield	Culvert	5.122	2/φ610 x 0 Wide	11.00	11.00	6.71	6.71	2	0.61	26.84	Box
Kamfersdam - Beaconsfield	L236-EMFL2FDW	Beaconsfield	Pipe	7.019	2/2700 x 560 x 0 Wide	11.00	11.00	29.7	29.7	2	2.7	118.8	Pipe

Kamfersdam - Beaconsfield	L236-EMFL2FDW	Beaconsfield	Pipe	7.057	1/2750 x 860 x 0 Wide	11.00	11.00	30.25	30.25	1	2.75	60.5	Pipe
Kamfersdam - Beaconsfield	L236-EMFL2FDW	Beaconsfield	Culvert	7.461	1/2730 x 600 x 0 Wide	11.00	11.00	30.03	30.03	1	2.73	60.06	Box
Kamfersdam - Beaconsfield	L236-EMFL2FDW	Beaconsfield	Culvert	7.534	2/2750 x 900 x 0 Wide	11.00	11.00	30.25	30.25	2	2.75	121	Box
Kamfersdam - Beaconsfield	LB04-HM2KFX	Beaconsfield	Pipe	7.536	1/2400 x 700 x 0 Wide	11.00	11.00	26.4	26.4	1	2.4	52.8	Pipe
Kamfersdam - Beaconsfield	LB04-HM2KFX	Beaconsfield	Culvert	8.094	1/2650 x 1500 x 0 Wide	11.00	11.00	29.15	29.15	1	2.65	58.3	Box
Kamfersdam - Beaconsfield	LB04-HM2KFX	Beaconsfield	Culvert	8.272	1/730 x 450 x 0 Wide	11.00	11.00	8.03	8.03	1	0.73	16.06	Box
Kamfersdam - Beaconsfield	LB04-HM2KFX	Beaconsfield	Culvert	8.719	1/1500 x 600 x 0 Wide	11.00	11.00	16.5	16.5	1	1.5	33	Box
Kamfersdam - Beaconsfield	LB04-HM2KFX	Beaconsfield	Culvert	8.818	1/2700 x 1100 x 0 Wide	11.00	11.00	29.7	29.7	1	2.7	59.4	Box
Macfarlane - Fieldsvie	LB04-HM2KFX	Macfarlane	Pipe	4.92	1/2800 x 950 x 4400 Wide	11.00	11.00	30.8	30.8	1	2.8	61.6	Pipe
Macfarlane - Fieldsvie	LB04-HM2KFX	Macfarlane	Culvert	5.478	1/1800 x 1100 x 4300 Wide	11.00	11.00	19.8	19.8	1	1.8	39.6	Box
Macfarlane - Fieldsvie	LB04-HM2KFX	Fieldsvie	Culvert	6.266	1/1700 x 1400 x 4300 Wide	11.00	11.00	18.7	18.7	1	1.7	37.4	Box
Macfarlane - Fieldsvie	LB04-HM2KFX	Fieldsvie	Culvert	6.647	1/φ600 x 11000 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Box
Macfarlane - Fieldsvie	LB04-HM2KFX	Fieldsvie	Culvert	6.882	1/φ600 x 10850 Wide	11.00	11.00	6.6	6.6	1	0.6	13.2	Box
Macfarlane - Fieldsvie	LB04-HM2KFX		Culvert	0.343	1/2750x 1.2	11.00	11.00	30.25	30.25	1	2.75	60.5	Box
Beaconsfield - Spytfontein			Pipe	0.01		11.00	11.00	19.8	19.8	1	1.80	39.6	Box
Beaconsfield - Spytfontein			Culvert	0.613		11.00	11.00	30.14	30.14	2	2.74	120.56	Box
Beaconsfield - Spytfontein			Culvert	0.761		11.00	11.00	30.14	30.14	2	2.74	120.56	Box
Beaconsfield - Spytfontein			Pipe	0.889		11.00	11.00	4.895	4.895	2	0.445	19.58	Box
Beaconsfield - Spytfontein			Pipe	1.297		11.00	11.00	4.895	4.895	2	0.445	19.58	Pipe
Beaconsfield - Spytfontein			Culvert	1.552		11.00	11.00	30.8	30.8	1	2.8	61.6	Pipe
Beaconsfield - Spytfontein			Culvert	2.273		11.00	11.00	39.6	39.6	1	3.6	79.2	Box
Beaconsfield - Spytfontein			Culvert	2.283		11.00	11.00	20.35	20.35	1	1.85	40.7	Box
Beaconsfield - Spytfontein			Culvert	2.412		11.00	11.00	20.35	20.35	2	1.85	81.4	Box
Beaconsfield - Spytfontein			Culvert	3.23		11.00	11.00	13.75	13.75	1	1.25	27.5	Box
Beaconsfield - Spytfontein			Culvert	3.548		11.00	11.00	23.54	23.54	1	2.14	47.08	Box
Beaconsfield - Spytfontein			Culvert	4.978		11.00	11.00	37.4	37.4	1	3.4	74.8	Box
Beaconsfield - Spytfontein			Culvert	6.346		11.00	11.00	40.7	40.7	1	3.7	81.4	Box
Beaconsfield - Spytfontein			Culvert	7.292		11.00	11.00	40.7	40.7	1	3.7	81.4	Box
Beaconsfield - Spytfontein			Culvert	0.407		11.00	11.00	19.14	19.14	2	1.74	76.56	Box
Beaconsfield - Spytfontein			Culvert	0.407		11.00	11.00	20.13	20.13	3	1.83	120.78	Box
Beaconsfield - Spytfontein			Culvert	0.407		11.00	11.00	30.14	30.14	2	2.74	120.56	Box
Total:												33465.19	

10 Legal review

A Proposal submitted by a Respondent will be subjected to review and acceptance or rejection of its proposed contractual terms and conditions by Transnet's Legal Counsel, prior to consideration for an award of business.

11 Security clearance

Acceptance of this bid could be subject to the condition that the Successful Respondent, its personnel providing the goods and its subcontractor(s) must obtain security clearance from the appropriate authorities to the level of CONFIDENTIAL/ SECRET/TOP SECRET. Obtaining the required clearance is the responsibility of the Successful Respondent. Acceptance of the bid is also subject to the condition that the Successful Respondent will implement all such security measures as the safe performance of the contract may require.

12 National Treasury's Central Supplier Database

Respondents are required to self-register on National Treasury's Central Supplier Database (CSD) which has been established to centrally administer supplier information for all organs of state and facilitate the verification of certain key supplier information. Transnet is required to ensure that price quotations are invited and accepted from prospective bidders listed on the CSD. Business may not be awarded to a respondent who has failed to register on the CSD. Only foreign suppliers with no local registered entity need not register on the CSD. The CSD can be accessed at <https://secure.csd.gov.za/>.

For this purpose, the attached SBD 1 Form must be completed and submitted as a mandatory returnable document by the closing date and time of the bid.

13 Tax Compliance

Respondents must be compliant when submitting a proposal to Transnet and remain compliant for the entire contract term with all applicable tax legislation, including but not limited to the Income Tax Act, 1962 (Act No. 58 of 1962) and Value Added Tax Act, 1991 (Act No. 89 of 1991).

It is a condition of this bid that the tax matters of the successful Respondents be in order, or that satisfactory arrangements have been made with South African Revenue Service (SARS) to meet the Respondents tax obligations.

The Tax Compliance status requirements are also applicable to foreign Respondents/ individuals who wish to submit bids.

Where Consortia / Joint Ventures / Sub-contractors are involved, each party must be registered on the Central Supplier Database and their tax compliance status will be verified through the Central Supplier Database.

Transnet urges its clients, suppliers and the general public to report any fraud or corruption to

TIP-OFFS ANONYMOUS:



Ethics Helpdesk (Pty) LTD.
Ethics Management Systems™

You can choose to be Anonymous or Non-Anonymous on ANY of the platforms
PLEASE RETAIN YOUR REFERENCE NUMBER



AI Voice BoT "Jack"
Speak to our AI Voice Chat Bot "JACK", you converse with him like chatting to a human, with the option to record a message and speak to an agent at anytime.



What's App
Speak to an Agent via What's App.



Speak to an Agent
Speak to an Agent via the platform with no call or data charge



Telegram
Speak to an Agent via Telegram



0800 003 056



086 551 4153



reportit@ethicshelpdesk.com

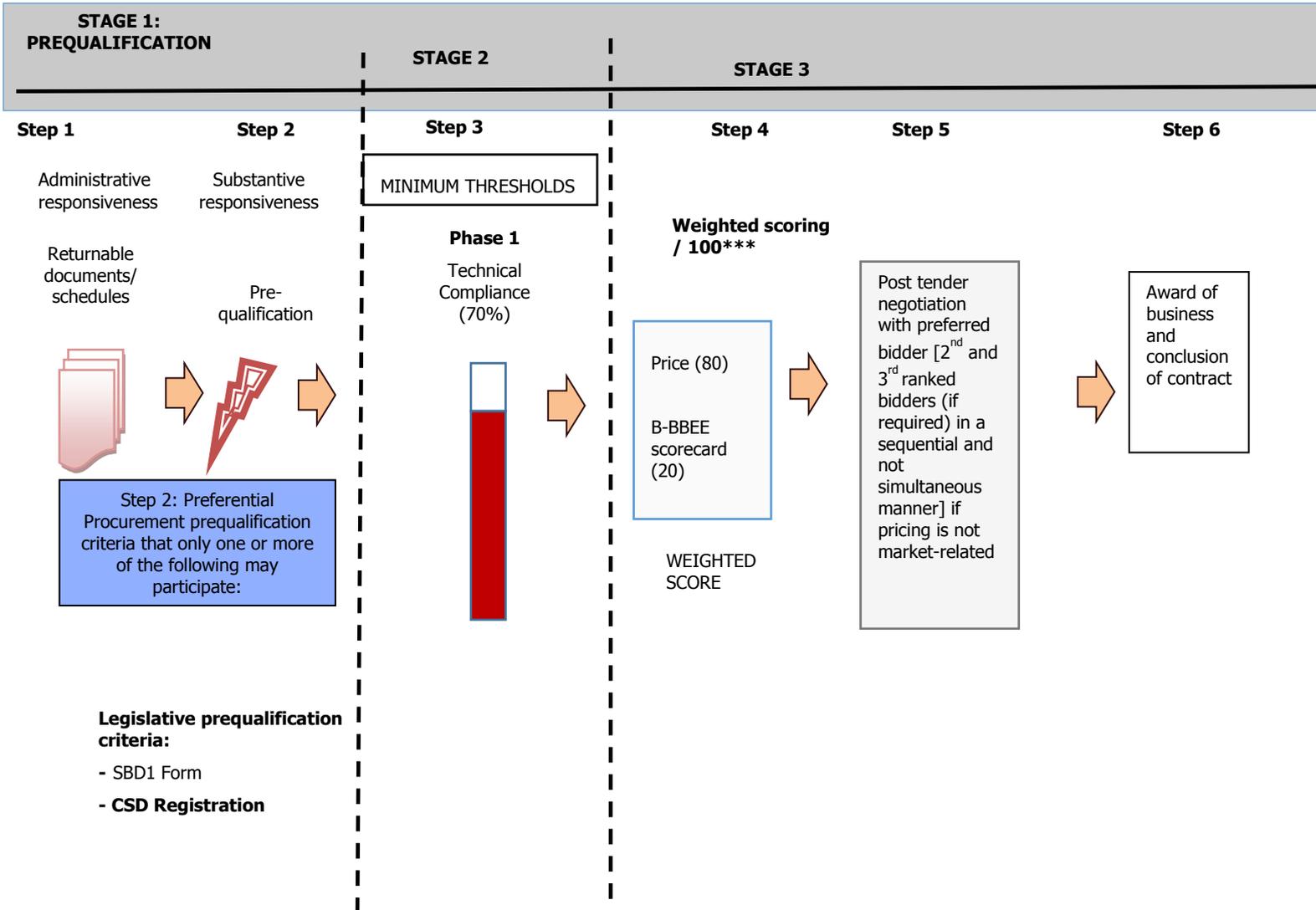


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SECTION 3 EVALUATION METHODOLOGY, CRITERIA AND RETURNABLE DOCUMENTS

1 EVALUATION CRITERIA

Transnet will utilise the following methodology and criteria in selecting a preferred Supplier/Service Provider, if so required:



1.1 STEP ONE: Test for Administrative Responsiveness

The test for administrative responsiveness will include the following:

Administrative responsiveness check	RFQ Reference
• Whether the Bid has been lodged on time	
• Whether all Returnable Documents and/or schedules [where applicable] were completed and returned by the closing date and time	<i>Section 3</i>
• Verify the validity of all returnable documents	<i>Section 3</i>
• Verify if the Bid document has been duly signed by the authorised respondent	<i>All sections</i>

The test for administrative responsiveness [Step One] must be passed for a Respondent's Proposal to progress to Step Two for further pre-qualification

1.2 STEP TWO: Test for Substantive Responsiveness to RFQ

The test for substantive responsiveness to this RFQ will include the following:

Check for substantive responsiveness	RFQ Reference
<ul style="list-style-type: none"> Whether any general and legislation qualification criteria (excluding preferential procurement) set by Transnet, have been met 	<i>All sections</i>
<ul style="list-style-type: none"> Whether the Bid contains a priced offer 	<i>Section 4 - Quotation Form</i>
<ul style="list-style-type: none"> Whether the Bid materially complies with the scope and/or specification given 	<i>All Sections</i>

The test for substantive responsiveness [Step Two] must be passed for a Respondent's proposal to progress to Step Three for further evaluation

1.3 STEP THREE: Minimum Threshold 70 points for Technical Criteria

The test for the Technical and Functional threshold will include the following:

Technical Evaluation Criteria	Points Weightings	Scoring guideline (0 to 5)
Previous Experience (Refer to Section 9)	40	0 = No Experience in this field of work / No proof provided 1 = 1 Contactable reference relevant to this RFQ with a completion certificate, written reference or in execution 2 = 2 Contactable references relevant to this RFQ with a completion certificate, written reference or in execution 3 = 3 Contactable references relevant to this RFQ with a completion certificate, written reference or in execution 4 = 4 Contactable references relevant to this RFQ with a completion certificate, written reference or in execution 5 = 5 Or more Contactable references relevant to this RFQ with a completion certificate, written reference or in execution
Availability of Plant and Equipment (Refer to Section 10)	40	5 = Submitted documentation for All of the items as referred to in Section 10 4 = Submitted documentation for 4 of the items as referred to in Section 10 3 = Submitted documentation for 3 of the items as referred to in Section 10 2 = Submitted documentation for 2 of the items as referred to in Section 10 1 = Submitted documentation for 1 of the items as referred to in Section 10. 0 = No documentation Submitted

Technical Evaluation Criteria	Points Weightings	Scoring guideline (0 to 5)
Health and Safety (Refer to Section 12)	20	5 = All the items as specified above submitted including mandatory certificates 4 = 4 of the items as specified above submitted including mandatory certificates 3 = 3 of the items as specified above submitted including mandatory certificates 2 = 2 of the items as specified above submitted no certificates 1 = 1 Of the items as specified above submitted no certificates 0 = No information submitted
Total Weighting:	100	
Minimum qualifying score required:	70	

Respondents are to note that Transnet will round off final technical scores to the nearest 2 (two) decimal places for the purposes of determining whether the technical threshold has been met.

The minimum threshold for technical/functionality [Step Three] must be met or exceeded for a Respondent's Proposal to progress to Step Four for final evaluation

1.4 STEP FOUR: Evaluation and Final Weighted Scoring

a) **Price Criteria** [Weighted score 80 points]:

Evaluation Criteria	RFP Reference
<ul style="list-style-type: none"> Commercial offer 	<i>Section 4</i>

Transnet will utilise the following formula in its evaluation of Price:

$$PS = 80 \left(1 + \frac{Pt - Pmax}{Pmax} \right)$$

Where:

Ps = Points scored for the price of Bid under consideration

Pt = Price of Bid under consideration

Pmax = Price of highest acceptable Bid

- b) **Broad-Based Black Economic Empowerment criteria** [Weighted score 20 points]
- B-BBEE - current scorecard / B-BBEE Preference Points Claims Form
 - Preference points will be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table indicated in Section 4.1 of the B-BBEE Preference Points Claim Form.

1.5 STEP FIVE: Post Tender Negotiations (if applicable)

- Respondents are to note that Transnet may not award a contract if the price offered is not market-related. In this regard, Transnet reserves the right to engage in PTN with the view to achieving a market-related price or to cancel the tender. Negotiations will be done in a sequential manner i.e.:
 - first negotiate with the highest ranked bidder or cancel the bid, should such negotiations fail,
 - negotiate with the 2nd and 3rd ranked bidders (if required) in a sequential manner.
- In the event of any Respondent being notified of such short-listed/preferred bidder status, his/her bid, as well as any subsequent negotiated best and final offers (BAFO), will automatically be deemed to remain valid during the negotiation period and until the ultimate award of business.
- Should Transnet conduct post tender negotiations, Respondents will be requested to provide their best and final offers to Transnet based on such negotiations. Where a market related price has been achieved through negotiation, the contract will be awarded to the successful Respondent(s).

1.6 STEP SIX: Award of business and conclusion of contract

- Immediately after approval to award the contract has been received, the successful or preferred bidder(s) will be informed of the acceptance of his/their Quotation by way of a Letter of Award. Thereafter the final contract will be concluded with the successful Respondent(s).
- Otherwise, a final contract will be concluded and entered into with the successful Bidder at the acceptance of a letter of award by the Respondent.

2 Validity Period

Transnet requires a validity period of 90 [NINETY] Business Days from the closing date of this RFQ, excluding the first day and including the last day.

Bidders are to note that they may be requested to extend the validity period of their bid, on the same terms and conditions, if the internal evaluation process has not been finalised within the validity period. However, once the adjudication body has approved the process and award of the business to the successful bidder(s), the validity of the successful bidder(s)' bid will be deemed to remain valid until a final contract has been concluded.

3 Disclosure of contract information

Prices Quoted

Respondents are to note that, on award of business, Transnet is required to publish the tendered prices of the successful and unsuccessful Respondents *inter alia* on the National Treasury e-Tender Publication Portal, (www.etenders.gov.za), as required per National Treasury Instruction Note 01 of 2015/2016.

Johannesburg Stock Exchange Debt Listing Requirements

Transnet may also be required to disclose information relating to the subsequent contract i.e. the name of the company, goods/services provided by the company, the value and duration of the contract, etc. in compliance with the Johannesburg Stock Exchange (JSE) Debt Listing Requirements.

Domestic Prominent Influential Persons (DPIP) OR Foreign Prominent Public Officials (FPPO)

Transnet is free to procure the services of any person within or outside the Republic of South Africa in accordance with applicable legislation. Transnet shall not conduct or conclude business transactions, with any Respondents without having:

- Considered relevant governance protocols;
- Determined the DPIP or FPPO status of that counterparty; and
- Conducted a risk assessment and due diligence to assess the potential risks that may be posed by the business relationship.

As per the Transnet Domestic Prominent Influential Persons (DPIP) and Foreign Prominent Public Officials (FPPO) and Related Individuals Policy available on Transnet website <https://www.transnet.net/search/pages/results.aspx?k=FPIDP#k=DPIP>, Respondents are required to disclose any commercial relationship with a DPIP or FPPO (as defined in the Policy) by completing the following section:

The below form contains personal information as defined in the Protection of Personal Information Act, 2013 (the "Act"). By completing the form, the signatory consents to the processing of her/his personal information in accordance with the requirements of the Act. Consent cannot unreasonably be withheld.						
Is the Respondent (Complete with a "Yes" or "No")						
A DPIP/FPPO		Closely Related to a DPIP/FPPO		Closely Associated to a DPIP/FPPO		
List all known business interests, in which a DPIP/FPPO may have a direct/indirect interest or significant participation or involvement.						
No	Name of Entity / Business	Role in the Entity / Business (Nature of interest/ Participation)	Shareholding %	Registration Number	Status (Mark the applicable option with an X)	
					Active	Non-Active
1						
2						
3						

Respondents declaring a commercial relationship with a DPIP or FPPO are to note that Transnet is required to annually publish on its website a list of all business contracts entered into with DPIP or FPPO. This list will include successful Respondents, if applicable.

4 Returnable Documents

Returnable Documents means all the documents, Sections and Annexures, as listed in the tables below. There are three types of returnable documents as indicated below and Respondents are urged to ensure that these documents are returned with their bids based on the consequences of non-submission as indicated below:

Mandatory Returnable Documents	<i>Failure to provide all these Mandatory Returnable Documents at the Closing Date and time of this RFQ <u>will</u> result in a Respondent's disqualification.</i>
Returnable Documents Used for Scoring	<i>Failure to provide all Returnable Documents used for purposes of scoring a bid, by the closing date and time of this bid will not result in a Respondent's disqualification. However, Bidders will receive an automatic score of zero for the applicable evaluation criterion.</i>
Essential Returnable Documents	<i>Failure to provide essential Returnable Documents <u>will</u> result in Transnet affording Respondents a further opportunity to submit by a set deadline. Should a Respondent thereafter fail to submit the requested documents, this may result in a Respondent's disqualification.</i>

All Returnable Sections, as indicated in the header and footer of the relevant pages, must be signed, stamped and dated by the Respondent.

a) Mandatory Returnable Documents

Respondents are required to submit with their bid submissions the following **Mandatory Returnable Documents**, and also to confirm submission of these documents by so indicating [Yes or No] in the tables below:

Mandatory Returnable Documents	Submitted [Yes or No]
SECTION 1: SBD1 Form	
SECTION 4 : Quotation Form	

b) Returnable Documents Used for Scoring

In addition to the requirements of section (a) above, Respondents are further required to submit with their Proposals the following **Returnable Documents Used for Scoring** and also to confirm submission of these documents by so indicating [Yes or No] in the table below:

RETURNABLE DOCUMENTS USED FOR SCORING	SUBMITTED [Yes or No]
Valid proof of Respondent's compliance to B-BBEE requirements stipulated in Section 7 of this RFP (Valid B-BBEE certificate or Sworn Affidavit)	
Previous Experience	
Availability of Plant and Equipment	
Health and Safety	

c) Essential Returnable Documents:

Over and the above the requirements of section (a) and (b) mentioned above, Respondents are further required to submit with their Proposals the following **Essential Returnable Documents** and also to confirm submission of these documents by so indicating [Yes or No] in the table below:

ESSENTIAL RETURNABLE DOCUMENTS & SCHEDULES	SUBMITTED [Yes or No]
In the case of Joint Ventures, a copy of the Joint Venture Agreement or written confirmation of the intention to enter into a Joint Venture Agreement	
Tax Clearance Certificate or electronic access PIN obtained from SARS's new Tax Compliance Status (TCS) system [Consortia / Joint Ventures must submit a separate Tax Clearance Certificate/PIN for each party]	
SECTION 3: Evaluation Methodology, Criteria And Returnable Documents	
SECTION 5: Certificate of Acquaintance with RFQ Documents	
SECTION 6: RFQ Declaration and Breach of Law Form	
SECTION 7: B-BBEE Preference Claim Form	
SECTION 9: Protection of Personal Information	
Proof of CSD Registration	
Supplier Declaration Form	

5 CONTINUED VALIDITY OF RETURNABLE DOCUMENTS

The successful Respondent will be required to ensure the validity of all returnable documents, including but not limited to its valid proof of B-BBEE status, for the duration of any contract emanating from this RFQ. Should the Respondent be awarded the contract [**the Agreement**] and fail to present Transnet with such renewals as and when they become due, Transnet shall be entitled, in addition to any other rights and remedies that it may have in terms of the eventual Agreement, to terminate such Agreement immediately without any liability and without prejudice to any claims which Transnet may have for damages against the Respondent.

SECTION 4
QUOTATION FORM

I/We _____

hereby offer to supply the goods/services at the prices quoted in the Price Schedule below, in accordance with the conditions related thereto.

I/We agree to be bound by those terms and conditions in:

- the Standard RFQ Terms and Conditions for the Supply of Goods or Services to Transnet; and
- any other standard or special conditions embodied in this Request for Quotation.

I/We accept that unless Transnet should otherwise decide and so inform me/us, this Quotation [and, if any, its covering letter and any subsequent exchange of correspondence], together with Transnet's acceptance thereof shall constitute a binding contract between Transnet and me/us. I/We further agree that if, after I/we have been notified of the acceptance of my/our Quotation, I/we fail to deliver the said goods/service/s within the delivery lead-time quoted, Transnet may, without prejudice to any other legal remedy which it may have, cancel the order and recover from me/us any expenses incurred by Transnet in calling for Quotations afresh and/or having to accept any less favourable offer.

Respondent's Signature

Date & Company Stamp

Price Schedule

I/We quote as follows for the goods/services required, on a "delivered nominated destination" basis, including VAT:

CLEANING OF CULVERTS (KIMBERLEY NORTH)

Stations	Area to be cleaned (m²)	Number of culverts	Distance on track (km)	Unit Price per m²	Total
Kamfersdam - Hotazel	6216.1	443	±336 km		
Kamfersdam - Transcape	24208.91	97	±85 km		
Beaconsfield - Spytfontein	1212.86	17	±20 km		
Kamfersdam - Beaconsfield	1601.82	32	±25 km		
Macfarlane - Fieldsview	225.5	6	±30 km		
P and G's					
Risk and Safety					
Total	33465.19	595			
SUB TOTAL (Excl. VAT):					
VAT 15%:					
TOTAL (Incl. VAT):					

NOTE: The estimated requirement for these services above is to obtain a market related tender price.

The actual requirement will vary based on the on-site conditions in the areas to be worked.

Respondents are to note that Transnet will round off final pricing scores to the nearest 2 (two) decimal places.

Notes to Pricing:

- a) Respondents are to note that if the price offered by the highest scoring bidder is not market-related, Transnet may not award the contract to that Respondent. Transnet may-
- (i) negotiate a market-related price with the Respondent scoring the highest points or cancel the RFQ;
 - (ii) if that Respondent does not agree to a market-related price, negotiate a market-related price with the Respondent scoring the second highest points or cancel the RFQ;
 - (iii) if the Respondent scoring the second highest points does not agree to a market-related price, negotiate a market-related price with the Respondent scoring the third highest points or cancel the RFQ.

If a market-related price is not agreed with the Respondent scoring the third highest points, Transnet must cancel the RFQ.

- b) All Prices must be quoted in South African Rand, inclusive of VAT
- c) Any disbursement not specifically priced for will not be considered/accepted by Transnet.
- d) To facilitate like-for-like comparison bidders must submit pricing strictly in accordance with this price schedule and not utilise a different format. Deviation from this pricing schedule **will** result in a bid being disqualified.
- e) Please note that should you have offered a discounted price(s), Transnet will only consider such price discount(s) in the final evaluation stage if offered on an unconditional basis.

SECTION 5
CERTIFICATE OF ACQUAINTANCE WITH RFQ DOCUMENTS

By signing this certificate the Respondent is deemed to acknowledge that he/she has made himself/herself thoroughly familiar with, and agrees with all the conditions governing this RFQ. This includes those terms and conditions contained in any printed form stated to form part hereof, including but not limited to the documents stated below. As such, Transnet will recognise no claim for relief based on an allegation that the Respondent overlooked any such term or condition or failed properly to take it into account in calculating tendered prices or any other purpose:

1. Transnet’s General Bid Conditions
2. Standard RFQ Terms and Conditions for the supply of Goods or Services to Transnet
3. Transnet’s Supplier Integrity Pact
4. Non-disclosure Agreement

Note: Should a Respondent be successful and awarded the bid, they will be required to complete a Supplier Declaration Form for registration as a vendor onto the Transnet vendor master database.

Should the Bidder find any terms or conditions stipulated in any of the relevant documents quoted in the RFQ unacceptable, it should indicate which conditions are unacceptable and offer alternatives by written submission on its company letterhead, attached to its submitted Bid. Any such submission shall be subject to review by Transnet’s Legal Counsel who shall determine whether the proposed alternative(s) are acceptable or otherwise, as the case may be. A material deviation from the Standard terms or conditions could result in disqualification.

Bidders accept that an obligation rests on them to clarify any uncertainties regarding any bid to which they intend to respond, before submitting the bid. The Bidder agrees that he/she will have no claim or cause of action based on an allegation that any aspect of this RFQ was unclear but in respect of which he/she failed to obtain clarity.

The bidder understands that his/her Bid will be disqualified if this Certificate of Acquaintance with RFQ documents included in the RFQ as a returnable document, is found not to be true and/ or complete in every respect.

SIGNED at _____ on this ____ day of _____ 20__

SIGNATURE OF WITNESSES

ADDRESS OF WITNESSES

1 _____

Name _____

2 _____

Name _____

SIGNATURE OF RESPONDENT’S AUTHORISED REPRESENTATIVE: _____

NAME: _____

DESIGNATION: _____

SECTION 6
RFQ DECLARATION AND BREACH OF LAW FORM

NAME OF ENTITY: _____

We _____ do hereby certify that:

1. Transnet has supplied and we have received appropriate responses to any/all questions [as applicable] which were submitted by ourselves for RFQ Clarification purposes;
2. We have received all information we deemed necessary for the completion of this Request for Quotation [**RFQ**];
3. We have been provided with sufficient access to the existing Transnet facilities/sites and all relevant information relevant to the Supply of the Goods as well as Transnet information and Employees, and have had sufficient time in which to conduct and perform a thorough due diligence of Transnet's operations and business requirements and assets used by Transnet. Transnet will therefore not consider or permit any pre- or post-contract verification or any related adjustment to pricing, service levels or any other provisions/conditions based on any incorrect assumptions made by the Respondent in arriving at his Bid Price.
4. At no stage have we received additional information relating to the subject matter of this RFQ from Transnet sources, other than information formally received from the designated Transnet contact(s) as nominated in the RFQ documents;
5. We have complied with all obligations of the Bidder/Supplier as indicated in the Transnet Supplier Integrity Pact which includes but are not limited to ensuring that we take all measures necessary to prevent corrupt practices, unfairness and illegal activities in order to secure or in furtherance to secure a contract with Transnet;
6. We are satisfied, insofar as our entity is concerned, that the processes and procedures adopted by Transnet in issuing this RFQ and the requirements requested from Bidders in responding to this RFQ have been conducted in a fair and transparent manner;
7. We declare that a family, business and/or social relationship **exists / does not exist** [delete as applicable] between an owner / member / director / partner / shareholder of our entity and an employee or board member of Transnet including any person who may be involved in the evaluation and/or adjudication of this Bid;
8. We declare that an owner / member / director / partner / shareholder of our entity **is / is not** [delete as applicable] an employee or board member of the Transnet;
9. In addition, we declare that an owner / member / director / partner / shareholder/employee of our entity **has / has not been** [delete as applicable] a former employee or board member of Transnet in the past 10 years. I further declare that if they were a former employee or board member of Transnet in the past 10 years that they **were/were not** involved in the bid preparation or had access to the information related to this RFQ; and
10. If such a relationship as indicated in paragraph 7, 8 and/or 9 exists, the Respondent is to complete the following section:

Respondent's Signature

Date & Company Stamp

FULL NAME OF OWNER/MEMBER/DIRECTOR/
 PARTNER/SHAREHOLDER/EMPLOYEE:

ADDRESS:

Indicate nature of relationship with Transnet:

[Failure to furnish complete and accurate information in this regard will lead to the disqualification of a response and may preclude a Respondent from doing future business with Transnet]. Information provided in the declarations may be used by Transnet and/or its affiliates to verify the correctness of the information provided.

11. We declare, to the extent that we are aware or become aware of any relationship between ourselves and Transnet [other than any existing and appropriate business relationship with Transnet] which could unfairly advantage our entity in the forthcoming adjudication process, we shall notify Transnet immediately in writing of such circumstances.

BIDDER'S DISCLOSURE (SBD4)

12 PURPOSE OF THE FORM

12.1 Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

12.2 Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

13 Bidder's declaration

13.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest¹ in the enterprise, employed by the state?

YES/NO

13.1.1. If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

Full Name	Identity Number	Name of State institution

¹ the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.

13.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution?

YES/NO

13.2.1. If so, furnish particulars:

.....

13.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract?

YES/NO

13.3.1. If so, furnish particulars:

.....

14 DECLARATION

I, the undersigned, (name)..... in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:

14.1 I have read and I understand the contents of this disclosure;

14.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;

14.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium² will not be construed as collusive bidding.

14.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.

² Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

- 14.5 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
- 14.6 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.
- 14.7 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 12, 13 and 14 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

BREACH OF LAW

12. We further hereby certify that *I/we **have/have not been*** [delete as applicable] found guilty during the preceding 5 [five] years of a serious breach of law, including but not limited to a breach of the Competition Act, 89 of 1998, by a court of law, tribunal or other administrative body. The type of breach that the Respondent is required to disclose excludes relatively minor offences or misdemeanours, e.g. traffic offences. This includes the imposition of an administrative fine or penalty.

Where found guilty of such a serious breach, please disclose:

NATURE OF BREACH:

DATE OF BREACH: _____

Furthermore, I/we acknowledge that Transnet SOC Ltd reserves the right to exclude any Respondent from the bidding process, should that person or entity have been found guilty of a serious breach of law, tribunal or regulatory obligation.

SIGNED at _____ on this ____ day of _____ 20__

For and on behalf of _____ duly authorised hereto	AS WITNESS:
Name:	Name:
Position:	Position:
Signature:	Signature:
Date:	Registration No of Company/CC _____
Place:	Registration Name of Company/CC _____

Respondent's Signature

Date & Company Stamp

SECTION 7

B-BBEE PREFERENCE POINTS CLAIM FORM

This preference form must form part of all bids invited. It contains general information and serves as a claim for preference points for Broad-Based Black Economic Empowerment [**B-BBEE**] Status Level of Contribution.

Transnet will award preference points to companies who provide valid proof of their B-BBEE status using either the latest version of the generic Codes of Good Practice or Sector Specific Codes (if applicable).

NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.

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 The value of this bid is estimated to not exceed R50 000 000 (all applicable taxes included) and therefore the 80/20 preference point system shall be applicable. Despite the stipulated preference point system, Transnet shall use the lowest acceptable bid to determine the applicable preference point system in a situation where all received acceptable bids are received outside the stated preference point system.

1.3 Either the 80/20 preference point system will be applicable to this tender.

1.4 Preference points for this bid shall be awarded for:

- (a) Price; and
- (b) B-BBEE Status Level of Contribution.

1.5 The maximum points for this bid are allocated as follows:

	POINTS
PRICE	80
B-BBEE STATUS LEVEL OF CONTRIBUTOR	20
Total points for Price and B-BBEE must not exceed	100

1.6 Failure on the part of a bidder to submit proof of B-BBEE status level of contributor together with the bid will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

1.7 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 preferences, in any manner required by the purchaser.

2. DEFINITIONS

- (a) **"all applicable taxes"** includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;
- (b) **"B-BBEE"** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (c) **"B-BBEE status level of contributor"** means the B-BBEE status received by a measured entity based on its overall performance using the relevant scorecard contained in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic

Empowerment Act;

- (d) **"bid"** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the supply/provision of services, works or goods, through price quotations, advertised competitive bidding processes or proposals;
- (e) **"Broad-Based Black Economic Empowerment Act"** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (f) **"EME"** means an Exempted Micro Enterprise as defines by Codes of Good Practice under section 9 (1) of the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (g) **"functionality"** means the ability of a bidder to provide goods or services in accordance with specification as set out in the bid documents;
- (h) **"Price"** includes all applicable taxes less all unconditional discounts.
- (i) **"Proof of B-BBEE Status Level of Contributor"** means:
- 1) B-BBEE status level certificate issued by an unauthorised 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.
- (j) **"QSE"** means a Qualifying Small EEnterprise in terms of a Codes of Good Practice under section 9 (1) of the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (k) **"rand value"** means the total estimated value of a contract in South African currency, calculated at the time of bid invitations, and includes all applicable taxes and excise duties.

3. POINTS AWARDED FOR PRICE

3.1 THE 80/20 PREFERENCE POINT SYSTEMS

A maximum of 80 points is allocated for price on the following basis:

80/20

$$PS = 80 \left(1 + \frac{Pt - P_{max}}{P_{max}} \right)$$

Where:

- Ps = Points scored for the price of Bid under consideration
- Pt = Price of Bid under consideration
- Pmax = Price of highest acceptable Bid

4. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTION

- 4.1 In terms of Regulation 6 (2) and 7 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (80/20 system)
1	20
2	18
3	14
4	12
5	8
6	6
7	4

8	2
Non-compliant contributor	0

4.2 The table below indicates the required proof of B-BBEE status depending on the category of enterprises:

Enterprise	B-BBEE Certificate & Sworn Affidavit
Large	Certificate issued by SANAS accredited verification agency
QSE	Certificate issued by SANAS accredited verification agency Sworn Affidavit signed by the authorised QSE representative and attested by a Commissioner of Oaths confirming annual turnover and black ownership (only black-owned QSEs - 51% to 100% Black owned) [Sworn affidavits must substantially comply with the format that can be obtained on the DTI’s website at www.dti.gov.za/economic_empowerment/bee_codes.jsp .]
EME³	Sworn Affidavit signed by the authorised EME representative and attested by a Commissioner of Oaths confirming annual turnover and black ownership Certificate issued by CIPC (formerly CIPRO) confirming annual turnover and black ownership Certificate issued by SANAS accredited verification agency only if the EME is being measured on the QSE scorecard

4.3 A trust, consortium or joint venture (including unincorporated consortia and joint ventures) must submit a consolidated B-BBEE Status Level verification certificate for every separate bid.

4.4 Tertiary Institutions and Public Entities will be required to submit their B-BBEE status level certificates in terms of the specialized scorecard contained in the B-BBEE Codes of Good Practice.

4.5 A person will not be awarded points for B-BBEE status level if it is indicated in the bid documents that such a bidder intends sub-contracting more than 25% of the value of the contract to any other enterprise that does not qualify for at least the points that such a bidder qualifies for, unless the intended sub-contractor is an EME that has the capability and ability to execute the sub-contract.

4.6 A person awarded a contract may not sub-contract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is sub-contracted to an EME that has the capability and ability to execute the sub-contract.

4.7 Bidders are to note that the rules pertaining to B-BBEE verification and other B-BBEE requirements may be changed from time to time by regulatory bodies such as National Treasury or the DTI. It is the Bidder’s responsibility to ensure that his/her bid complies fully with all B-BBEE requirements at the time of the submission of the bid.

5. BID DECLARATION

5.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

6. B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 6.1

6.1 B-BBEE Status Level of Contribution: . =(maximum of 20 points)

(Points claimed in respect of paragraph 6.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.

7. SUB-CONTRACTING

³ In terms of the Implementation Guide: Preferential Procurement Regulations, 2017, Version 2, paragraph 11.11 provides that in the Transport Sector, EMEs can provide a letter from accounting officer or get verified and be issued with a B-BBEE certificate by SANAS accredited professional or agency as the Transport Sector Code has not been aligned to the generic Codes. EMEs in the Transport Sector are not allowed to provide a Sworn Affidavit as the generic codes are not applicable to them.

7.1 Will any portion of the contract be sub-contracted?

(Tick applicable box)

YES		NO	
-----	--	----	--

7.1.1 If yes, indicate:

- i) What percentage of the contract will be subcontracted.....%
- ii) The name of the sub-contractor.....
- iii) The B-BBEE status level of the sub-contractor.....
- iv) Whether the sub-contractor is an EME or QSE

(Tick applicable box)

YES		NO	
-----	--	----	--

v) Specify, by ticking the appropriate box, if subcontracting with an enterprise in terms of Preferential Procurement Regulations,2017:

Designated Group: An EME or QSE which is at last 51% owned by:	EME √	QSE √
Black people		
Black people who are youth		
Black people who are women		
Black people with disabilities		
Black people living in rural or underdeveloped areas or townships		
Cooperative owned by black people		
Black people who are military veterans		
OR		
Any EME		
Any QSE		

8. DECLARATION WITH REGARD TO COMPANY/FIRM

- 8.1 Name of company/firm:.....
- 8.2 VAT registration number:.....
- 8.3 Company registration number:.....

8.4 TYPE OF COMPANY/ FIRM

- Partnership/Joint Venture / Consortium
- One person business/sole propriety
- Close corporation
- Company
- (Pty) Limited

[TICK APPLICABLE BOX]

8.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....
.....

8.6 COMPANY CLASSIFICATION

- Manufacturer
- Supplier
- Professional service provider
- Other service providers, e.g. transporter, etc.

[TICK APPLICABLE BOX]

8.7 Total number of years the company/firm has been in business:.....

8.8 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 B-BBEE status level of contribution indicated in paragraphs 4.1 and 6.1 of the foregoing certificate, 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 paragraph 4.1 and 6.1, 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) if the successful bidder subcontracted a portion of the bid to another person without disclosing it, Transnet reserves the right to penalise the bidder up to 10 percent of the value of the contract;
 - (e) 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
 - (f) forward the matter for criminal prosecution.

WITNESSES

1.

2.

.....
SIGNATURE(S) OF BIDDERS(S)

DATE:

ADDRESS

.....

SECTION 8**PROTECTION OF PERSONAL INFORMATION**

1. The following terms shall bear the same meaning as contemplated in Section 1 of the Protection of Person information act, No.4 of 2013.("POPIA"):

consent; data subject; electronic communication; information officer; operator; person; personal information; processing; record; Regulator; responsible party; special information; as well as any terms derived from these terms.

2. Transnet will process all information by the Respondent in terms of the requirements contemplated in Section 4(1) of the POPIA:

Accountability; Processing limitation; Purpose specification; Further processing limitation; Information quality; Openness; Security safeguards and Data subject participation.

3. The Parties acknowledge and agree that, in relation to personal information that will be processed pursuant to this RFQ, the Responsible party is "Transnet" and the Data subject is the "Respondent". Transnet will process personal information only with the knowledge and authorisation of the Respondent and will treat personal information which comes to its knowledge as confidential and will not disclose it, unless so required by law or subject to the exceptions contained in the POPIA.
4. Transnet reserves all the rights afforded to it by the POPIA in the processing of any of its information as contained in this RFQ and the Respondent is required to comply with all prescripts as detailed in the POPIA relating to all information concerning Transnet.
5. In responding to this bid, Transnet acknowledges that it will obtain and have access to personal information of the Respondent. Transnet agrees that it shall only process the information disclosed by Respondent in their response to this bid for the purpose of evaluating and subsequent award of business and in accordance with any applicable law.
6. Transnet further agrees that in submitting any information or documentation requested in this RFQ, the Respondent is consenting to the further processing of their personal information for the purpose of, but not limited to, risk assessment, assurances, contract award, contract management, auditing, legal opinions/litigations, investigations (if applicable), document storage for the legislatively required period, destruction, de-identification and publishing of personal information by Transnet and/or its authorised appointed third parties.
7. Furthermore, Transnet will not otherwise modify, amend or alter any personal data submitted by the Respondent or disclose or permit the disclosure of any personal data to any third party without the prior written consent from the Respondent. Similarly, Transnet requires the Respondent to process any personal information disclosed by Transnet in the bidding process in the same manner.
8. Transnet shall, at all times, ensure compliance with any applicable laws put in place and maintain sufficient measures, policies and systems to manage and secure against all forms of risks to any information that may be shared or accessed pursuant to this RFQ (physically, through a computer or any other form of electronic communication).

- 9. Transnet shall notify the Respondent in writing of any unauthorised access to information, cybercrimes or suspected cybercrimes, in its knowledge and report such crimes or suspected crimes to the relevant authorities in accordance with applicable laws, after becoming aware of such crimes or suspected crime. The Respondent must take all necessary remedial steps to mitigate the extent of the loss or compromise of personal information and to restore the integrity of the affected personal information as quickly as is possible.
- 10. The Respondent may, in writing, request Transnet to confirm and/or make available any personal information in its possession in relation to the Respondent and if such personal information has been accessed by third parties and the identity thereof in terms of the POPIA. The Respondent may further request that Transnet correct (excluding critical/mandatory or evaluation information), delete, destroy, withdraw consent or object to the processing of any personal information relating to the Respondent in Transnet’s possession in terms of the provision of the POPIA and utilizing Form 2 of the POPIA Regulations.
- 11. In submitting any information or documentation requested in this RFQ, the Respondent is hereby consenting to the processing of their personal information for the purpose of this RFQ and further confirming that they are aware of their rights in terms of Section 5 of POPIA

Respondents are required to provide consent below:

YES		NO	
------------	--	-----------	--

- 12. Further, the Respondent declares that they have obtained all consents pertaining to other data subject’s personal information included in its submission and thereby indemnifying Transnet against any civil or criminal action, administrative fines or other penalty or loss that may arise as a result of the processing of any personal information that the Respondent submitted.
- 13. The Respondent declares that the personal information submitted for the purpose of this RFQ is complete, accurate, not misleading, is up to date and may be updated where applicable.

Signature of Respondent’s authorised representative: _____

Should a Respondent have any complaints or objections to processing of its personal information, by Transnet, the Respondent can submit a complaint to the Information Regulator on <https://www.justice.gov.za/inforeg/>, click on contact us, click on complaints.IR@justice.gov.za

SECTION 9: Previous Experience: Pre-Qualifying Quality (Functionality) Criteria

Note to tenderers:

Tenderers are required to List their previous experience for similar work with written references, completion certificates or in execution (company name, contact person and value of work completed or in execution)

The reference should have contact information either in a form of email and/or telephone number.

<p>Index of documentation attached to this schedule:</p> <p>.....</p> <p>.....</p>

The table below is for information purposes only to indicate the method of scoring that will be followed to evaluate the programme submitted by the Tenderer:

Scoring will be as follows:

Previous Experience (Proof to be submitted): 40 Points
0 = No Experience in this field of work / No proof provided
1 = 1 Contactable reference relevant to this RFQ with a completion certificate, written reference or in execution
2 = 2 Contactable references relevant to this RFQ with a completion certificate, written reference or in execution
3 = 3 Contactable references relevant to this RFQ with a completion certificate, written reference or in execution
4 = 4 Contactable references relevant to this RFQ with a completion certificate, written reference or in execution
5 = 5 Or more Contactable references relevant to this RFQ with a completion certificate, written reference or in execution

The undersigned, who warrants that he/she is duly authorised to do so on behalf of the Tenderer, confirms that the contents of this schedule are within my personal knowledge and are to the best of my belief both true and correct.

Signed _____ Date _____

Name _____ Position _____

Tenderer _____

**SECTION 10: Availability of Equipment and Plant Resources: Pre-Qualifying Quality
(Functionality) Criteria**

Tenderers to **submit a list of all Equipment and Plant resources available** that he proposes to use to execute the work, as well as the availability and details of ownership for each item or Lease agreement.

The following equipment are required to execute the work:

1. 15 x Shovels
2. 4 x Wheelbarrows
3. 8 x Rakes
4. 1 x Bakkie LDV

Number of Equipment	Equipment Type - Description
	(Attach to this returnable)

The table below is for information purposes only to indicate the method of scoring that will be followed to evaluate the programme submitted by the Tenderer:

Scoring will be as follows:

Availability of Equipment and Other Resources – Weight 40%
0 = No information submitted
40 = 1 Of the items as specified above submitted
70 = 2 of the items as specified above submitted
90 = 3 of the items as specified above submitted
100 = All the items as specified above submitted

The undersigned, who warrants that he/she is duly authorised to do so on behalf of the Tenderer, confirms that the contents of this schedule are within my personal knowledge and are to the best of my belief both true and correct.

Signed _____ Date _____

Name _____ Position _____

Tenderer _____

SECTION 11: Evaluation Schedule: Health and Safety Plan

Note to tenderers:

Submit the following documents as a minimum with your tender:

1. Valid Letter of Good Standing
2. A Safety Plan to be submitted in accordance with the OHS1993 and Transnet Freight Rail’s Health and Safety Specification TFR-ISM-RN-R&C-FM009.
3. Risk Assessment in relation to this project.
4. Safety File (Index)
5. The companies Safety Health and Environmental policy (SHEQ Policy)
6. Safety Work Method Statement

The table below is for information purposes only to indicate the method of scoring that will be followed to evaluate the programme submitted by the Tenderer:

Scoring will be as follows:

Previous Experience: 20%
0 = No information submitted
1 = 1 Of the items as specified above submitted
2 = 2 Of the items as specified above submitted
3 = 3 of the items as specified above submitted
4 = 4 of the items as specified above submitted
5 = All the items as specified above submitted

The undersigned, who warrants that he/she is duly authorised to do so on behalf of the Tenderer, confirms that the contents of this schedule are within my personal knowledge and are to the best of my belief both true and correct.

Signed _____ Date _____

Name _____ Position _____

Tenderer _____

SUPPLIER DECLARATION FORM

Supplier Declaration Form						
Important Notice: all organisations, institutions and individuals who wish to provide goods and/or services to organs of the State must be registered on the National Treasury Central Supplier Database (CSD). This needs to be done via their portal at https://secure.csd.gov.za/ before applying to Transnet.						
CSD Number (MAAA xxxxxxx):						
Company Trading Name						
Company Registered Name						
Company Registration No Or ID No If a Sole Proprietor						
Company Income Tax Number						
Form of Entity	CC	Trust	Pty Ltd	Limited	Partnership	Sole Proprietor
	Non-profit (NPO's or NPC)	Personal Liability Co	State Owned Co	National Govt	Provincial Govt	Local Govt
	Educational Institution	Specialised Profession	Financial Institution	Joint Venture	Foreign International	Foreign Branch Office
Did your company previously operate under another name?					Yes	No
If YES state the previous details below:						
Trading Name						
Registered Name						
Company Registration No Or ID No If a Sole Proprietor						
Form of Entity	CC	Trust	Pty Ltd	Limited	Partnership	Sole Proprietor
	Non-profit (NPO's or NPC)	Personal Liability Co	State Owned Co	National Govt	Provincial Govt	Local Govt
	Educational Institution	Specialised Profession	Financial Institution	Joint Venture	Foreign International	Foreign Branch Office
Your Current Company's VAT Registration Status						
VAT Registration Number						
If Exempted from VAT registration , state reason and submit proof from SARS in confirming the exemption status						
If your business entity is not VAT Registered, please submit a current original sworn affidavit (see example in Appendix I). Your Non VAT Registration must be confirmed annually.						

Company Banking Details			Bank Name		
Universal Branch Code			Bank Account Number		
Company Physical Address				Code	
Company Postal Address				Code	
Company Telephone number					
Company Fax Number					
Company E-Mail Address					
Company Website Address					

Respondent's Signature

Date & Company Stamp

Company Contact Person Name	
Designation	
Telephone	
Email	

Is your company a Labour Broker?	Yes		No	
Main Product / Service Supplied e.g. Stationery / Consulting / Labour etc.				
How many personnel does the business employ?	Full Time		Part Time	
Please Note: Should your business employ more than 2 full time employees who are not connected persons as defined in the Income Tax Act, please submit a sworn affidavit, as per Appendix II.				

Most recent Financial Year's Annual Turnover	<R10Million EME	>R10Million <R50Million QSE	>R50Million Large Enterprise
--	---------------------------	--	--

Does your company have a valid proof of B-BBEE status?										Yes		No	
Please indicate your Broad Based BEE status (Level 1 to 9)					1	2	3	4	5	6	7	8	9
Majority Race of Ownership													
% Black Ownership		% Black Women Ownership		% Black Disabled person(s) Ownership				% Black Youth Ownership					
% Black Unemployed		% Black People Living in Rural Areas		% Black Military Veterans									
<p>Please Note: Please provide proof of B-BBEE status as per Appendix C and D:</p> <ul style="list-style-type: none"> Large Enterprise and QSEs with less than 51% black ownership need to obtain a B-BBEE certificate and detailed scorecard from an accredited rating agency; EMEs and QSEs with at least 51% black ownership may provide an affidavit using the templates provided in Appendix C and D respectively; Black Disabled person(s) ownership will only be accepted if accompanied with a certified letter signed by a physician on the physician's letterhead confirming the disability; A certified South African identification document will be required for all Black Youth Ownership. 													

Supplier Development Information Required	
<p>EMPOWERING SUPPLIER An Empowering Supplier is a B-BBEE compliant Entity which complies with at least three criteria if it is a large Entity, or one criterion if it is a Qualifying Small Enterprise ("QSE"), as detailed in Statement 400 of the New Codes.</p> <p>In terms of the requirements of an Empowering Supplier, numerous companies found it challenging to meet the target of 25% transformation of raw materials or beneficiation including local manufacturing, particularly so, if these companies imported goods or products from offshore. The matter was further compounded by the requirement for 25% of Cost of Sales, excluding labour cost and depreciation, to be procured from local producers or suppliers.</p>	<p>YES ○ NO ○</p>
<p>FIRST TIME SUPPLIER A supplier that we have not yet Traded within Transnet and will be registered via our database for the 1st time.</p>	<p>YES ○ NO ○</p>

Respondent's Signature

Date & Company Stamp

<p>SUPPLIER DEVELOPMENT PLAN</p> <p>Supplier Development Plan is a plan that when we as Transnet award a supplier a long-term contract depending on the complexity of the Transaction. We will negotiate supplier development obligations that they must meet throughout the contract duration. e.g. we might request that they (create jobs or do skills development or encourage procurement from designated groups. (BWO, BYO & BDO etc.).</p>	<p>YES <input type="radio"/> NO <input type="radio"/></p>
<p>DEVELOPMENT PLAN DOCUMENT</p> <p>Agreed plan that will be crafted with the supplier in regards to their development (It could be for ED OR SD in terms of their developmental needs they may require with the company.</p>	<p>YES <input type="radio"/> NO <input type="radio"/></p> <p>*If Yes- Attach supporting documents</p>
<p>ENTERPRISE DEVELOPMENT BENEFICIARY</p> <p>A supplier that is not yet in our value chain that we are assisting in their developmental area.</p>	<p>YES <input type="radio"/> NO <input type="radio"/></p>
<p>SUPPLIER DEVELOPMENT BENEFICIARY</p> <p>A supplier that we are already doing business with or transacting with and we are also assisting them in their developmental area e.g. (They might require training or financial assistance etc.)</p>	<p>YES <input type="radio"/> NO <input type="radio"/></p>
<p>GRADUATION FROM ED TO SD BENEFICIARY</p> <p>When a supplier that we assisted with as an ED beneficiary then is awarded, a business and we start Transacting with.</p>	<p>YES <input type="radio"/> NO <input type="radio"/></p>
<p>ENTERPRISE DEVELOPMENT RECIPIENT</p> <p>A supplier that isn't in our value chain as yet but we have assisted them with an ED intervention</p>	<p>YES <input type="radio"/> NO <input type="radio"/></p>

By signing below, I hereby verify that I am duly authorised to sign for and on behalf of firm / organisation and that all information contained herein and attached herewith are true and correct

Name and Surname		Designation	
Signature		Date	

Respondent's Signature

Date & Company Stamp