

## MATJHABENG

Municipality  
Umasipala  
P/ O Box 708  
Welkom, 9460  
South Africa



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To : MUNICIPAL MANAGER  
From : EXECUTIVE DIRECTOR INFRASTRUCTURE  
Date : 24 JANUARY 2019

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### SUBMISSION

#### 1. PURPOSE

The purpose of the submission is to request the Accounting Officer to approve the variation order No.1 for the replacement of olgalvanised steel pipes with uPVC in Allenridge and Nyakallong Townships under Vukuphile Learner Contractor who underpriced on their Tender Documents.

#### 2. BACKGROUND

The replacement of old olgalvanised steel pipes with uPVC in Allenridge and Nyakallong Townships project is currently being implemented by the Municipality through MIG funding. This project entails the replacement of 270m old steel pipe with 250mm diameter uPVC Class 12 pipes, the excavations, bedding, laying of pipes and backfilling . The project was awarded to TKM Destiny Projects and is being managed by Soleng (PTY) LTD. A request for Variation Order No.1 accompanied by supporting documents were received from Soleng (PTY) LTD and are attached for ease of reference.

#### 3. DISCUSSION

The requested Variation Order No.1 is due to the following items attached:

- The learner contractor have under- priced the BOQ for the above mentioned project and the contractor risks a chance of making losses and ending up with the debt with the possible results of being blacklisted by not finishing the work due to insufficient funds on the available budget. The municipality has made a decision to balance the rates for the learner contractor based on the advice from the engineers on the project.
- The project was reserved for the learner contractor under the EPWP program as part of the leanership however there was no assistance in pricing the BOQ due to public works internal logistics and the contractor worked alone for the first time as public works could not provide mentors as committed initially.
- The consultant recalculated the priced BOQ and found the errors which let to the BOQ to be priced again to meet the market value priced materials.
- The Consultant proposed that the awarded contract amounts be amended to suit the recommendation. The revised contract amount is R 1 302 753,71 thus the additional funding of R 280 634,34 is needed.

#### 4. FINANCIAL IMPLICATIONS

The cost breakdown of this variation order under the project is the following:

| ITEM NO                   | SUMMARY OF SECTIONS                 | APPOINTED AMOUNT      | NEW CONTRACT AMOUNT   | DIFFERENCE IN CONTRACT AMOUNT |
|---------------------------|-------------------------------------|-----------------------|-----------------------|-------------------------------|
| 1                         | Preliminary and General             | R 397 200,00          | R 513 700,00          | R 116 500,00                  |
| 2                         | Water pipe replacement construction | R 410 799,50          | R 516 144,83          | R 105 345,33                  |
| <b>Sub-Total Amount 1</b> |                                     | <b>R 807 999,50</b>   | <b>R 1 029 844,83</b> | <b>R 221 845,33</b>           |
| Contingencies 10%         |                                     | R 80 799,95           | R 102 984,48          | R 22 184,53                   |
| <b>Sub-Total Amount 2</b> |                                     | <b>R 888 799,45</b>   | <b>R 1 132 829,31</b> | <b>R 244 029,86</b>           |
| 15 % VAT                  |                                     | R 133 319,92          | R 169 924,40          | R 36 604,48                   |
| <b>TOTAL AMOUNT</b>       |                                     | <b>R 1 022 199,37</b> | <b>R 1 302 753,71</b> | <b>R 280 634,34</b>           |

The cost implications for this variation order will be **R 280 634,34** inclusive of VAT. The total of the new contract on the project is **R 1 302 753,71**.


#### 5. RECOMMENDATIONS

It is hereby recommended as follows:

- The recommendation of **R 1 302 753,71** VAT incl. constitute a shortfall of **R 280 634,34** (VAT incl.) which should be funded by the Municipality is needed to successfully implement and complete the project.
- The Accounting Officer approves this variation order as indicated above this will ensure that the better services will be delivered to the community and assist towards saving water for the municipality. The adjusted amount constitute construction fees only.
- The recommended that variation order of **R 280 634,34** be approved to increase the project value to the **R 1 302 753,71** VAT incl.
- The total increase amount on the Vukhuphile Learnership project required is **R 1 268 119,83** of which **R 260 036,88** is available from the MIG budget and the balance of **R 1 008 082,95** is the counter funding from the municipality. It is proposed that the contract amount of **R 6 422 279,82** be adjusted by 19,7 % to **R 7 690 399,65**.

#### 6. OTHER IMPLICATIONS

COMPILED BY:

  
K.S. MOKOENA  
PMU TECHNICIAN

24/01/2019  
DATE

PRE-VERIFIED BY:

  
SHEPHERD VHUNGA  
SENIOR PROJECT MANAGER

24/01/2019  
DATE

VERIFIED BY:

  
N. XAMESI  
SENIOR PMU ENGINEER

24-01-2019  
DATE

RECOMMENDED BY

  
T. MAKOFANE  
EXECUTIVE DIRECTOR: INFRASTRUCTURE

06-02-2019  
DATE

PRE-APPROVED BY:

  
T. PANYANI  
CHIEF FINANCIAL OFFICER

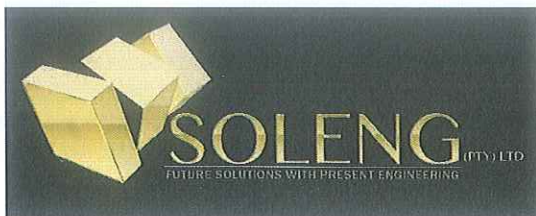
07/02/2019  
DATE

APPROVED BY:

  
THABISO TSOAELI  
MUNICIPAL MANAGER

08/02/2019  
DATE





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email: [losaba.tk@soleng.co.za](mailto:losaba.tk@soleng.co.za)

ATT: Mr T Tsoaeli  
Matjhabeng Local Municipality  
PO Box 708  
WELKOM, 9460

Our Ref: 201901-SOL.MLM-LET001  
Your Ref: : 03 / 2018 ABCD

TEL: +27 57 916 4060

Date: 21 January 2019

Dear Sir

**CONTRACT NO 03/2018 ABCD:** Replacement of old galvanised steel pipes with uPVC in Allanridge and Nyakallong Townships

**SUBJECT:** Request for Learner Contractor assistance.

Our conversation on the 17<sup>th</sup> January 2019 has reference.

It has come to our attention that the appointed Vuk'uphile Learner contractors have under-priced for the above mentioned project. By allowing them to continue under the status quo, learner contractors risks a chance of making substantial losses and ending up with debt that they will not afford to service, with possible results of being blacklisted by suppliers before they even go far in business.

This project was not open to public tender but reserved for the learner contractors under the EPWP programme as part of their Learnership. The project is also one of the Municipality's initiatives in saving water by eradicating dilapidated leaking pipes, and also drives progress of service delivery. It is therefore imperative that we do not let these learner contractors fail under such a crucial project that is also meant to create a platform for transferring of skills, create employment and develop entrepreneurs.

Learner contractors are bound to make mistakes, especially when they work alone for the first time, in the absence of mentors, without any assistance in pricing, and it is therefore important that the municipality builds and moulds them to become better entrepreneurs that will later contribute back into the economy.

As requested, we wish to present our proposal on how the contractors can be assisted to ensure that they are able to complete the project that will deliver service to the community and assist towards saving water for the municipality. It is proposed that the contract amount of **R6'422'279-82 (Incl. VAT, Incl. Contingencies)** be adjusted by +19.7% to **R7'690'399-65 (Incl. Vat, Incl. Contingencies)** as a Variation Order in accordance with the cost breakdown as indicated below.

**OFFICES:**

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**DIRECTORS**  
Tebogo Losaba (RSA)

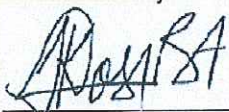
| LINE NO.                               | SUMMARY OF SECTIONS   | APPOINTMENT AMOUNT | PROPOSED CONTRACT AMOUNT | ADDITIONAL AMOUNT |
|--|-----------------------|--------------------|--------------------------|-------------------|
| 1                                      | TKM Destiny Projects  | R 1 022 119,37     | R 1 302 753,71           | R 280 634,34      |
| 2                                      | Bomaremoso Trading    | R 1 370 255,41     | R 1 629 785,02           | R 259 529,61      |
| 3                                      | Dzotho Trading 16     | R 1 593 369,37     | R 1 920 894,22           | R 327 524,85      |
| 4                                      | TCM Mohokare Projects | R 1 450 000,00     | R 1 850 431,03           | R 400 431,03      |
| <b>SUB-TOTAL AMOUNT 1</b>              |                       | R 5 435 744,15     | R 6 703 863,98           | R 1 268 119,83    |
| Contingencies are included             |                       | R -                | R -                      | R -               |
| <b>SUB-TOTAL AMOUNT 2</b>              |                       | R 5 435 744,15     | R 6 703 863,98           | R 1 268 119,83    |
| VAT is included                        |                       | R -                | R -                      | R -               |
| <b>TOTAL CONSTRUCTION AMOUNT</b>       |                       | R 5 435 744,15     | R 6 703 863,98           | R 1 268 119,83    |
| <b>PROFESSIONAL FEES</b>               |                       | R 857 857,10       | R 857 857,10             | R 0,00            |
| PLUS: Allowance for VAT at 15%         |                       | R 128 678,57       | R 128 678,57             | R 0,00            |
| <b>TOTAL PROFESSIONAL FEES</b>         |                       | R 986 535,67       | R 986 535,67             | R 0,00            |
| <b>TOTAL PROJECT COSTS (Incl. VAT)</b> |                       | R 6 422 279,82     | R 7 690 399,65           |                   |
| <b>APPROVED BUDGET (Incl. Vat)</b>     |                       | R 6 682 316,70     | R 6 682 316,70           |                   |
| <b>BALANCE</b>                         |                       | R 260 036,88       | R 1 008 082,95           |                   |

*Amount required*

In view of the above, the additional required amount to the approved budget of R6'682'316.70 is only **R1'008'082,95 (Inclusive of VAT & Contingencies)**. Detailed breakdown of the rates and quantities is attached as **Annexure 1**

We hope you find all in order and that this request finds your approval.

Yours Faithfully



**Tebogo Losaba (Director)**  
**for SOLENG (Pty) Ltd**

**OFFICES:**

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**DIRECTORS**  
Tebogo Losaba (RSA)



CONTRACT NUMBER : 03 / 2018 A  
 PROJECT DESCRIPTION : Allamridge & Nyakalongo replacement of old galvanised steel pipes with uPVC pipes.  
 CLIENT : Matlabeng Local Municipality  
 CONTRACTOR : TKM Destiny Projects  
 ENGINEER : SOLENG (Pty) Ltd  
 DATE : 25 November 2018  
 PAYMENT CERTIFICATE : 01

| ITEM                         | PAYMENT     | LIC | DESCRIPTION  | UNIT     | TENDERED RATES |           |              | NEW TENDER RATES |              |           | DIFFERENCE IN RATES |              |
|------------------------------|-------------|-----|--|----------|----------------|-----------|--------------|------------------|--------------|-----------|---------------------|--------------|
|                              |             |     |  |          | QUANTITY       | RATE      | AMOUNT       | RATE             | AMOUNT       | AMOUNT    | RATE                | AMOUNT       |
|                              |             |     | <b>Brought forward</b>   |          |                |           | R 205 000,00 |                  | R 217 000,00 |           |                     | R 12 000,00  |
| 1.2.6                        |             |     | (b) Workshops  | Month    | 2              | 5 000,00  | 10 000,00    | 5000             | 10 000,00    | -         | -                   | -            |
| 1.2.7                        |             |     | (c) Ablution and Latrine facilities  | Month    | 2              | 5 000,00  | 10 000,00    | 5000             | 10 000,00    | -         | -                   | -            |
| 1.2.8                        |             |     | (d) Tools and equipment  | Month    | 2              | 5 000,00  | 10 000,00    | 5000             | 10 000,00    | -         | -                   | -            |
| 1.2.9                        |             |     | (e) Water supplies and electric power and communications   | Month    | 2              | 5 000,00  | 10 000,00    | 5000             | 10 000,00    | -         | -                   | -            |
| 1.2.10                       |             |     | (f) Dealing with water (see sub-clause 5.5)  | Month    | 2              | 5 000,00  | 10 000,00    | 5000             | 10 000,00    | -         | -                   | -            |
| 1.2.11                       |             |     | (g) Access (see sub-clause PSA 5.8)  | Month    | 2              | 5 000,00  | 10 000,00    | 5000             | 10 000,00    | -         | -                   | -            |
| 1.2.12                       |             |     | (h) Plant  | Month    | 2              | 5 000,00  | 10 000,00    | 5000             | 10 000,00    | -         | -                   | -            |
|                              | PSA 8.4.3   |     | Supervision for duration of Construction   | Sum      | 1              | 15 000,00 | 15 000,00    | 106000           | 106 000,00   | 91 000,00 | 91 000,00           | 91 000,00    |
| 1.2.13                       | 8.4.4       |     | Company and head office overhead costs for the duration of the Contract  | Month    | 2              | 5 000,00  | 10 000,00    | 5000             | 10 000,00    | -         | -                   | -            |
| 1.2.14                       | 8.4.5       |     | Other time-related obligations Specify rate composition  | Month    | 2              | 5 000,00  | 10 000,00    | 5000             | 10 000,00    | -         | -                   | -            |
| 1.2.15                       | PSA 8.4.7   |     | On-site security   | Month    | 2              | 5 000,00  | 10 000,00    | 10000            | 20 000,00    | 5 000,00  | 5 000,00            | 10 000,00    |
| 1.2.16                       | C2.1.9      |     | EMP Implementation and maintenance   | Month    | 2              | 5 000,00  | 10 000,00    | 5000             | 10 000,00    | -         | -                   | -            |
| 1.3                          | 8.5         |     | <b>PROVISIONAL SUMS STATED BY ENGINEER</b>   |          |                |           |              |                  |              |           |                     |              |
|                              | PD2.3       |     | a) Community liaising officer/s (CLO/s)  |          |                |           |              |                  |              |           |                     |              |
| 1.3.1                        | PD2.3.1(a)  |     | i) CLO/s salary (R500-00/month)  | Prov Sum | 0              | -         | -            | -                | -            | -         | -                   | -            |
| 1.3.2                        | PD2.3.2(b)  |     | ii) Provision of CLO/s cellular phone  | Prov Sum | 0              | -         | -            | -                | -            | -         | -                   | -            |
| 1.3.3                        | PD2.3.2 (c) |     | iii) Cost of calls by the CLO/s  | Months   | 0              | -         | -            | -                | -            | -         | -                   | -            |
| 1.3.4                        |             |     | b) Overheads charges and profit on item (a) above (Max. 10%)   | %        |                | -         | -            | -                | -            | -         | -                   | -            |
| 1.3.5                        |             |     | c) Water Network Investigation (Engineer's Provisional Sum)  | Prov Sum | 1              | 20 000,00 | 20 000,00    | 20000            | 20 000,00    | -         | -                   | -            |
| 1.3.6                        |             |     | d) Overheads charges and profit on item (c) above (Max. 10%)   | %        | 10%            | 20 000,00 | 2 000,00     | 20000            | 2 000,00     | -         | -                   | -            |
| 1.4                          | 8.8         |     | <b>TEMPORARY WORKS</b>   |          |                |           |              |                  |              |           |                     |              |
|                              | 8.8.4       |     | Existing Services  |          |                |           |              |                  |              |           |                     |              |
| 1.4.1                        |             | LI  | a) Excavation by hand in all material to expose existing services  | m³       | 70             | 60,00     | 4 200,00     | 60               | 4 200,00     | -         | -                   | -            |
| 1.4.2                        |             |     | b) Temporary protection of existing services   | Sum      | 1              | 5 000,00  | 5 000,00     | 8500             | 8 500,00     | 3 500,00  | 3 500,00            | 3 500,00     |
| 1.4.3                        | PSA 8.9     |     | Compensation in terms of sub-clause 9.1.4 of the GCC for delays due Political and community unrest situations (Cost for Standing Time) | Days     | 6              | 2 500,00  | 15 000,00    | 2500             | 15 000,00    | -         | -                   | -            |
| <b>TOTAL CARRIED FORWARD</b> |             |     |  |          |                |           | R 376 200,00 |                  | R 492 700,00 |           |                     | R 116 500,00 |

CONTRACT NUMBER : 03 / 2018 A  
 PROJECT DESCRIPTION : Allamridge & Nyakallong replacement of old galvanised steel pipes with uPVC pipes.  
 CLIENT : Mathabeng Local Municipality  
 CONTRACTOR : TKM Destiny Projects  
 ENGINEER : SOLENG (Pty) Ltd  
 DATE : 25 November 2018  
 PAYMENT CERTIFICATE : 01

| PAYMENT CERTIFICATE |            |     |   | TOTAL CARRIED TO SUMMARY : SECTION 1: PRELIMINARY & GENERAL |                |           |           |                  |              |                     |              |
|---------------------|------------|-----|---|---|----------------|-----------|-----------|------------------|--------------|---------------------|--------------|
| ITEM                | PAYMENT    | LIC | DESCRIPTION   | UNIT  | TENDERED RATES |           |           | NEW TENDER RATES |              | DIFFERENCE IN RATES |              |
|                     |            |     |   |   | QUANTITY       | RATE      | AMOUNT    | RATE             | AMOUNT       | RATE                | AMOUNT       |
|                     |            |     | Brought forward   |   |                |           |           |                  |              |                     | R 116 500,00 |
| 1.5                 |            |     | ACCOMODATION OF TRAFFIC                                     |   |                |           |           |                  |              |                     |              |
|                     | SANS 1200D |     | Road Traffic Signs and Markings                             |   |                |           |           |                  |              |                     |              |
| 1.5.1               | 8.3.12     |     | a) Dealing with Traffic for the duration of the contract    | Sum   | 1              | 10 000,00 | 10 000,00 | 10000            | 10 000,00    | -                   | -            |
| 1.6                 | 8.7        |     | DAYWORKS  |   |                |           |           |                  |              |                     |              |
|                     |            |     | a) Labour   | hours   | -              | 170,00    | -         | 170              | -            | -                   | -            |
| 1.6.1               |            |     | i) Site Agent   | hours   | -              | 65,00     | -         | 65               | -            | -                   | -            |
| 1.6.2               |            |     | ii) Qualified artisan/s                                     | hours   | -              | 55,00     | -         | 55               | -            | -                   | -            |
| 1.6.3               |            |     | iii) Foreman, leader hand/s                                 | hours   | -              | 45,00     | -         | 45               | -            | -                   | -            |
| 1.6.4               |            |     | iv) Semi-skilled labour/s                                   | hours   | -              | 40,00     | -         | 40               | -            | -                   | -            |
| 1.6.5               |            |     | v) Labourer/s (Unskilled)                                   | hours   | -              |           | -         |                  | -            | -                   | -            |
|                     |            |     | b) Planthire: Work rates on Site                            | hours   | -              | 250,00    | -         | 250              | -            | -                   | -            |
| 1.6.6               |            |     | i) LDV/s  | hours   | -              | 500,00    | -         | 500              | -            | -                   | -            |
| 1.6.7               |            |     | ii) Tractor loader backhoe (TLB)                            | hours   | -              | 200,00    | -         | 200              | -            | -                   | -            |
| 1.6.8               |            |     | iii) Pedestrian roller/s                                    | hours   | -              | 150,00    | -         | 150              | -            | -                   | -            |
| 1.6.9               |            |     | iv) Concrete mixer/s  | hours   | -              |           | -         |                  | -            | -                   | -            |
| 1.6.10              | 8.7        |     | c) Materials for dayworks                                   | Prov Sum  | 1              | 10 000,00 | 10 000,00 | 10000            | 10 000,00    | -                   | -            |
| 1.6.11              |            |     | d) Overheads charges and profit on item (1.6.10) (Max. 10%) | %   | 10%            | 10 000,00 | 1 000,00  | 10000            | 1 000,00     | -                   | -            |
|                     |            |     | e) Miscellaneous  | hours   | -              | 250,00    | -         | 250              | -            | -                   | -            |
| 1.6.12              |            |     | i) Compressor with capacity of 125cfm                       | hours   | -              | 200,00    | -         | 200              | -            | -                   | -            |
| 1.6.13              |            |     | ii) Water pump/s with 40mm outlet (diesel driven)           | hours   | -              | 150,00    | -         | 150              | -            | -                   | -            |
| 1.6.14              |            |     | iii) Welding unit (300Amp)                                  | hours   | -              | 150,00    | -         | 150              | -            | -                   | -            |
| 1.6.15              |            |     | iv) 2.3.1KVA Diesel-driven generator set                    | hours   | -              |           | -         |                  | -            | -                   | -            |
|                     |            |     |   |   |                |           |           | R 397 200,00     | R 513 700,00 |                     | R 116 500,00 |

CONTRACT NUMBER : 03 / 2018 A  
 PROJECT DESCRIPTION : Allanridge & Nyakailong replacement of old galvanised steel pipes with uPVC pipes.  
 CLIENT : Matjhaheng Local Municipality  
 CONTRACTOR : TKM Destiny Projects  
 ENGINEER : SOLENG (Pty) Ltd  
 DATE : 25 November 2018  
 PAYMENT CERTIFICATE : 01 Material On Site

| ITEM                  | PAYMENT        | LIC | DESCRIPTION  | UNIT | TENDERED RATES |        |           | NEW TENDER RATES |           | DIFFERENCE IN RATES |            |
|-----------------------|----------------|-----|--|------|----------------|--------|-----------|------------------|-----------|---------------------|------------|
|                       |                |     |  |      | QUANTITY       | RATE   | AMOUNT    | RATE             | AMOUNT    | RATE                | AMOUNT     |
|                       |                |     | SECTION 2: WATER PIPE REPLACEMENT CONSTRUCTION   |      |                |        |           |                  |           |                     |            |
|                       | SABS 1200DB    |     | EARTHWORKS: PIPE TRENCHES  |      |                |        |           |                  |           |                     |            |
|                       | 8.3.1          |     | SITE CLEARANCE   |      |                |        |           |                  |           |                     |            |
| 2.1                   |                |     | a) Remove topsoil to depth of 200mm, 2m wide   | m²   | 300            | 45,00  | 13 500,00 | 45,00            | 13 500,00 | -                   | -          |
| 2.1.1                 | 8.3.1(c)       |     | b) Saw cut, remove and dispose of asphalt and stone crust base up to 200mm thickness   | m²   | 210            | 65,00  | 13 650,00 | 65,00            | 13 650,00 | -                   | -          |
| 2.1.2                 | PSDB8.3.1.1    | LI  | c) Saw cut, remove and dispose of unreinforced concrete of to up to 200mm thickness  | m²   | 5              | 65,00  | 325,00    | 65,00            | 325,00    | -                   | -          |
| 2.1.3                 | PSDB8.3.1.2    | LI  | d) Remove and temporarily store paving block units   | m²   | 10             | 100,00 | 1 000,00  | 100,00           | 1 000,00  | -                   | -          |
| 2.1.4                 | PSDB8.3.1.3    | LI  | e) Remove and temporarily store grass sods   | m²   | 10             | 55,00  | 550,00    | 55,00            | 550,00    | -                   | -          |
| 2.1.5                 | PSDB8.3.1.4    | LI  | f) Remove and temporarily store all types of kerbs & edge beams  | m    | 60             | 150,00 | 9 000,00  | 150,00           | 9 000,00  | -                   | -          |
| 2.1.6                 | PSDB8.3.1.5    | LI  |  |      |                |        |           |                  |           |                     |            |
| 2.2                   | 8.3.2          |     | EXCAVATIONS  |      |                |        |           |                  |           |                     |            |
|                       |                |     | Excavate in all materials for trenches, backfill, compact, and dispose of surplus / unsuitable material for the following diameters: |      |                |        |           |                  |           |                     |            |
| 2.2.1                 |                |     | a) 110 mm diameter   | m    | 5              | 75,00  | 375,00    | 75,00            | 375,00    | -                   | -          |
| 2.2.2                 |                |     | b) 160 mm diameter   | m    | 6              | 99,92  | 599,50    | 100,00           | 600,00    | 0,08                | 0,50       |
| 2.2.3                 |                |     | c) 250 mm diameter   | m    | 350            | 118,75 | 41 562,50 | 118,75           | 41 562,50 | -                   | -          |
|                       | PSDB 8.3.2 (b) |     | Extra-over items (2.2.1 to 2.2.3) above for  |      |                |        |           |                  |           |                     |            |
| 2.2.4                 |                |     | i) Intermediate excavation   | m³   | 18             | 250,00 | 4 500,00  | 350,00           | 6 300,00  | 100,00              | 1 800,00   |
| 2.2.5                 |                |     | ii) Hard rock excavation (including blasting)  | m³   | 2              | 550,00 | 1 100,00  | 650,00           | 1 300,00  | 100,00              | 200,00     |
| TOTAL CARRIED FORWARD |                |     |  |      |                |        | 86 162,00 |                  | 88 162,50 |                     | R 2 000,50 |



| ITEM                  | PAYMENT        | LIC | DESCRIPTION  | UNIT  | TENDERED RATES |          |           | NEW TENDER RATES |            | DIFFERENCE IN RATES |            |
|-----------------------|----------------|-----|--|-------|----------------|----------|-----------|------------------|------------|---------------------|------------|
|                       |                |     |  |       | QUANTITY       | RATE     | AMOUNT    | RATE             | AMOUNT     | RATE                | AMOUNT     |
|                       |                |     | Brought forward  |       |                |          | 86 162,00 |                  | 88 162,50  |                     | R 2 000,50 |
| 2.2.6                 | 8.3.2(c)       |     | Excavate and dispose of unsuitable material from trench bottom (Where instructed by the Engineer)  | m³    | 5              | 120,00   | 600,00    | 120,00           | 600,00     | -                   | -          |
| 2.3                   | 8.3.3          |     | EXCAVATION ANCILLARIES   |       |                |          |           |                  |            |                     |            |
|                       | 8.3.3.1        |     | Make up deficiency in backfill material (Provisional.)   |       |                |          |           |                  |            |                     |            |
| 2.3.1                 |                |     | i) From other necessary excavations on site  | m³    | 8              | 200,00   | 1 600,00  | 200,00           | 1 600,00   | -                   | -          |
| 2.3.2                 | 8.3.3.1(c)     |     | ii) by importation from commercial sources or off-site sources selected by the Contractor  | m³    | 4              | 650,00   | 2 600,00  | 650,00           | 2 600,00   | -                   | -          |
| 2.3.3                 | 8.3.3.3        |     | Compaction in road reserves  | m³    | 298            | 45,00    | 13 410,00 | 45,00            | 13 410,00  | -                   | -          |
|                       | 8.3.3.4        |     | Overhaul   |       |                |          |           |                  |            |                     |            |
| 2.3.4                 |                |     | a) Limited overhaul: Over 0.1km up to 1km (Provisional)  | m³    | 3              | 90,00    | 270,00    | 90,00            | 270,00     | -                   | -          |
| 2.3.5                 |                |     | b) Long overhaul: Over 1km (Provisional)   | m³/km | 6              | 15,00    | 90,00     | 15,00            | 90,00      | -                   | -          |
|                       | 8.3.5          |     | Existing services that intersect or adjoin a pipe trench   |       |                |          |           |                  |            |                     |            |
| 2.3.6                 |                |     | a) Services that intersect a trench  | No.   | 5              | 1 000,00 | 5 000,00  | 1 000,00         | 5 000,00   | -                   | -          |
| 2.3.7                 |                |     | b) Services that adjoin a trench   | m     | 50             | 100,00   | 5 000,00  | 100,00           | 5 000,00   | -                   | -          |
| 2.4                   | 8.3.6          |     | FINISHES   |       |                |          |           |                  |            |                     |            |
| 2.4.1                 | PSDB8.3.6.1(a) | LI  | a) Reinstatement of road crossings as per specifications, including the supply and installation of base & subbase material for reinstatement of road crossings | m²    | 105            | 150,00   | 15 750,00 | 150,00           | 15 750,00  | -                   | -          |
| 2.4.2                 | PSDB8.3.6.1(b) | LI  | b) Re-instate unreinforced concrete, complete  | m²    | 5              | 500,00   | 2 500,00  | 500,00           | 2 500,00   | -                   | -          |
| 2.4.3                 | PSDB8.3.6.1(c) | LI  | c) Re-instate paving blocks units, complete  | m²    | 5              | 180,00   | 900,00    | 180,00           | 900,00     | -                   | -          |
| 2.4.4                 | PSDB8.3.6.1(d) | LI  | d) Re-instate grass sods, complete   | m²    | 5              | 50,00    | 250,00    | 50,00            | 250,00     | -                   | -          |
| TOTAL CARRIED FORWARD |                |     |  |       |                |          |           |                  | 136 132,50 |                     | R 2 000,50 |



| ITEM                  | PAYMENT        | LIC | DESCRIPTION   | UNIT | TENDERED RATES |          |            | NEW TENDER RATES |            |        | DIFFERENCE IN RATES |             |
|-----------------------|----------------|-----|---|------|----------------|----------|------------|------------------|------------|--------|---------------------|-------------|
|                       |                |     |   |      | QUANTITY       | RATE     | AMOUNT     | RATE             | AMOUNT     |        | RATE                | AMOUNT      |
|                       |                |     | Brought forward   |      |                |          | 134 132,00 |                  | 136 132,50 |        |                     | R 2 000,50  |
| 2.4.5                 | PSDB3.3.6.1(e) | LI  | e) Re-instate all types of kerbing, complete  | m    | 30             | 220,00   | 6 600,00   | 220,00           | 6 600,00   |        | -                   | -           |
| 2.4.6                 | PSDB3.3.6.1(e) | LI  | a) Re-instate all types of edge beams around paved roads, complete  | m    | 25             | 200,00   | 5 000,00   | 200,00           | 5 000,00   |        | -                   | -           |
| 2.4.7                 | SABS1200DA     | LI  | f) Top soiling including trimming, filling, topsoiling and levelling of verges, removal of debris, rocks, etc. using stockpiled material. | m²   | 150            | 90,00    | 13 500,00  | 90,00            | 13 500,00  |        | -                   | -           |
| 2.5                   | SABS1200LB     |     | BEDDING   |      |                |          |            |                  |            |        |                     |             |
|                       |                |     | Provision of bedding from trench excavation   | m³   | 228            | 120,00   | 27 360,00  | 120,00           | 27 360,00  |        | -                   | -           |
| 2.5.1                 | 8.2.1          | LI  | a) Selected granular material   | m³   | 88             | 120,00   | 10 560,00  | 120,00           | 10 560,00  |        | -                   | -           |
| 2.5.2                 |                | LI  | b) Selected fill  | m³   |                |          |            |                  |            |        | -                   | -           |
| 2.5.3                 | 8.2.2.3        | LI  | From commercial sources (Provisional)   | m³   | 10             | 550,00   | 5 500,00   | 550,00           | 5 500,00   |        | -                   | -           |
| 2.5.4                 |                | LI  | a) Selected granular material   | m³   | 4              | 550,00   | 2 200,00   | 550,00           | 2 200,00   |        | -                   | -           |
| 2.5.5                 |                |     | b) Selected fill  | m³   | 2              | 1 900,00 | 3 800,00   | 2 565,00         | 5 130,00   | 665,00 |                     | 1 330,00    |
| 2.5.6                 | 8.2.3          |     | Concrete bedding cradle Class 19/20   | m³   | 3              | 2 450,00 | 7 350,00   | 2 450,00         | 7 350,00   |        | -                   | -           |
| 2.5.7                 | 8.2.4          |     | Encasing of pipes in concrete (20MPa)   | m³   |                |          |            |                  |            |        | -                   | -           |
| 2.5.8                 |                |     | Overhaul of material (Provisional)  | m³   | 5              | 15,00    | 75,00      | 15,00            | 75,00      |        | -                   | -           |
| 2.6                   | SABS1200L      |     | PIPES   |      |                |          |            |                  |            |        |                     |             |
|                       |                |     | Supply, lay and bed (Class B) complete with couplings including short lengths for pipes of the following materials and diameters          |      |                |          |            |                  |            |        |                     |             |
| 2.6.1                 | 8.2.1          | LI  | uPVC Class 12   | m    | 5              | 97,50    | 487,50     | 256,50           | 1 282,50   | 159,00 |                     | 795,00      |
| 2.6.2                 |                | LI  | a) 110 mm diameter  | m    | 270            | 336,00   | 105 920,00 | 561,50           | 178 605,00 | 285,50 |                     | 71 685,00   |
| 2.6.3                 |                |     | b) 250 mm diameter  |      |                |          |            |                  |            |        |                     |             |
| 2.6.4                 |                | LI  | Steel flanged pipes   | m    | 2              | 1 248,00 | 2 496,00   | 1 684,80         | 3 369,60   | 436,80 |                     | 873,60      |
|                       |                |     | a) 100 mm diameter  |      |                |          |            |                  |            |        |                     |             |
| TOTAL CARRIED FORWARD |                |     |   |      |                |          | 326 055,50 |                  | 402 739,60 |        |                     | R 76 684,10 |

| ITEM                  | PAYMENT | LIC | DESCRIPTION   | UNIT | TENDERED RATES |          |            | NEW TENDER RATES |            | DIFFERENCE IN RATES |             |
|-----------------------|---------|-----|---|------|----------------|----------|------------|------------------|------------|---------------------|-------------|
|                       |         |     |   |      | QUANTITY       | RATE     | AMOUNT     | RATE             | AMOUNT     | RATE                | AMOUNT      |
|                       |         |     | Brought forward   |      |                |          | 326 055,50 |                  | 402 735,60 |                     | R 76 684,10 |
| 2.6.5                 |         | LI  | b) 150 mm diameter  | m    | 2              | 1 690,00 | 3 380,00   | 2 295,00         | 4 590,00   | 605,00              | 1 210,00    |
| 2.7                   | 8.2.2   | LI  | <b>SPECIALS AND FITTINGS</b><br>Extra-over item for the supplying, handle, lay and bedding (Class B) of specials complete with couplings for High-Impact uPVC Class 12. |      |                |          |            |                  |            |                     |             |
|                       |         |     | Bends   |      |                |          |            |                  |            |                     |             |
|                       |         |     | 90 degree bends   |      |                |          |            |                  |            |                     |             |
| 2.7.1                 |         |     | a) 110 mm   | No.  | 0              | 325,00   | -          | -                | -          | -325,00             | -           |
| 2.7.2                 |         |     | b) 250mm  | No.  | 0              | 1 950,00 | -          | -                | -          | -1 950,00           | -           |
| 2.7.3                 |         | LI  | 45 degree bends   |      |                |          |            |                  |            |                     |             |
| 2.7.4                 |         |     | a) 110 mm   | No.  | 0              | 325,00   | -          | -                | -          | -325,00             | -           |
|                       |         |     | b) 250mm  | No.  | 0              | 1 950,00 | -          | -                | -          | -1 950,00           | -           |
| 2.7.5                 |         | LI  | 22.5 degree bends   |      |                |          |            |                  |            |                     |             |
|                       |         |     | a) 250mm  | No.  | 0              | -        | -          | -                | -          | -                   | -           |
| 2.7.6                 |         | LI  | Ductile Iron Tees   |      |                |          |            |                  |            |                     |             |
| 2.7.7                 |         |     | a) 250 x 250mm  | No.  | 0              | -        | -          | -                | -          | -                   | -           |
| 2.7.8                 |         |     | b) 250 x 110mm Reducing Tee   | No.  | 3              | 240,00   | 720,00     | 2 970,00         | 8 910,00   | 2 730,00            | 8 190,00    |
|                       |         |     | c) 250 x 250mm (Hydrant Tee)  | No.  | 0              | -        | -          | -                | -          | -                   | -           |
| 2.7.9                 |         | LI  | uPVC Reducers   |      |                |          |            |                  |            |                     |             |
| 2.7.10                |         |     | a) 250 x 200mm  | No.  | 1              | 1 560,00 | 1 560,00   | 2 700,00         | 2 700,00   | 1 140,00            | 1 140,00    |
| 2.7.11                |         |     | b) 160 x 110mm  | No.  | 2              | 780,00   | 1 560,00   | 2 295,00         | 4 590,00   | 1 515,00            | 3 030,00    |
|                       |         |     | c) 200 x 160mm  | No.  | 1              | 1 157,00 | 1 157,00   | 2 565,00         | 2 565,00   | 1 408,00            | 1 408,00    |
| 2.7.12                |         |     | VJ / Klamflex Couplings or Similar Approved   |      |                |          |            |                  |            |                     |             |
| 2.7.13                |         |     | a) 110mm dia  | No.  | 1              | 715,00   | 715,00     | 715,00           | 715,00     | -                   | -           |
|                       |         |     | b) 250mm dia  | No.  | 2              | 234,00   | 468,00     | 234,00           | 468,00     | -                   | -           |
| TOTAL CARRIED FORWARD |         |     |   |      |                |          | 335 615,50 |                  | 427 277,60 |                     | R 91 662,10 |



| ITEM                  | PAYMENT   | LIC | DESCRIPTION   | UNIT | TENDERED RATES |           |              | NEW TENDER RATES |            | DIFFERENCE IN RATES |             |
|-----------------------|-----------|-----|---|------|----------------|-----------|--------------|------------------|------------|---------------------|-------------|
|                       |           |     |   |      | QUANTITY       | RATE      | AMOUNT       | RATE             | AMOUNT     | RATE                | AMOUNT      |
|                       |           |     | Brought forward   |      |                |           | R 335 615,50 |                  | 427 277,60 |                     | R 91 662,10 |
| 2.7.14                |           |     | uPVC/AC Adaptor<br>a) 110mm dia   | No.  | 4              | 195,00    | 780,00       | 195,00           | 780,00     | -                   | -           |
| 2.7.15                |           | LI  | Repair Couplings<br>a) 90mm   | No.  | 0              | 182,00    | -            | -                | -          | -182,00             | -           |
| 2.7.16                |           |     | b) 110mm  | No.  | 0              | 195,00    | -            | -                | -          | -195,00             | -           |
| 2.7.17                |           |     | c) 160mm dia  | No.  | 0              | 370,00    | -            | -                | -          | -370,00             | -           |
| 2.7.18                |           | LI  | Flanged Adaptor Ductile Iron for use with uPVC pipes<br>a) 90mm dia.  | No.  | 5              | 260,00    | 1 300,00     | 567,00           | 2 835,00   | 307,00              | 1 535,00    |
| 2.7.19                |           |     | b) 110mm dia.   | No.  | 6              | 325,00    | 1 950,00     | 576,45           | 3 458,70   | 251,45              | 1 508,70    |
| 2.7.20                |           |     | c) 250mm dia.   | No.  | 3              | 1 235,00  | 3 705,00     | 1 235,00         | 3 705,00   | -                   | -           |
| 2.7.21                |           |     | Flange Adaptor (Klamflex TYPE for PVC-STEEL connections)<br>a) 80mm dia.  | No.  | 2              | 624,00    | 1 248,00     | 624,00           | 1 248,00   | -                   | -           |
| 2.7.22                |           |     | b) 100mm dia.   | No.  | 1              | 650,00    | 650,00       | 650,00           | 650,00     | -                   | -           |
| 2.7.23                |           |     | c) 250mm dia.   | No.  | 1              | 1 950,00  | 1 950,00     | 1 950,00         | 1 950,00   | -                   | -           |
| 2.8                   | PSL3.10.2 | LI  | VALVES  |      |                |           |              |                  |            |                     |             |
|                       | 8.2.3     |     | Extra-over on item 8.2.2 for the supplying, handle, lay, bed of valves with couplings in valve box. Complete with cutting of pipes and valve testing. CI gate to SABS 0664, Class 10, ends socketted for uPVC pipes to SABS 0996, non-rising spindle, LH closing. |      |                |           |              |                  |            |                     |             |
| 2.8.1                 |           |     | a) 90mm dia.  | No.  | 3              | 2 400,00  | 7 200,00     | 2 409,21         | 7 227,63   | 9,21                | 27,63       |
| 2.8.2                 |           |     | b) 110mm dia.   | No.  | 3              | 2 880,00  | 8 640,00     | 2 880,00         | 8 640,00   | -                   | -           |
| 2.8.3                 |           |     | c) 160mm dia  | No.  | 0              | 4 960,00  | -            | -                | -          | -4 960,00           | -           |
| 2.8.4                 |           |     | d) 200mm dia.   | No.  | 0              | 8 960,00  | -            | -                | -          | -8 960,00           | -           |
| 2.8.5                 |           |     | e) 250mm dia.   | No.  | 1              | 10 585,00 | 10 585,00    | 10 585,00        | 10 585,00  | -                   | -           |
| TOTAL CARRIED FORWARD |           |     |   |      |                |           | 373 623,50   |                  | 468 356,93 |                     | R 94 733,43 |

| ITEM  | PAYMENT            | LIC | DESCRIPTION   | UNIT              | TENDERED RATES |           |            | NEW TENDER RATES |            | DIFFERENCE IN RATES |              |
|---|--------------------|-----|---|-------------------|----------------|-----------|------------|------------------|------------|---------------------|--------------|
|   |                    |     |   |                   | QUANTITY       | RATE      | AMOUNT     | RATE             | AMOUNT     | RATE                | AMOUNT       |
|   |                    |     | Brought forward   |                   |                |           | 373 623,50 |                  | 468 356,93 |                     | R 94 733,43  |
| 2.9   |                    | LI  | HYDRANTS<br>Supply, handle, lay, bed, concrete encasing in hydrant chamber, cast iron 80mmX65mm SERIES 25/61 TYPE 1 Underground Fire Hydrants complete in hydrant chambers and hydrant testing. As per DWG 2017/02/01/03: |                   |                |           |            |                  |            |                     |              |
| 2.9.1   |                    |     | a) 90 mm diameter main  | No.               | 1              | 2 402,50  | 2 402,50   | 3 645,00         | 3 645,00   | 1 242,50            | 1 242,50     |
| 2.9.2   |                    |     | b) 110mm dia main   | No.               | 1              | 2 402,50  | 2 402,50   | 5 130,00         | 5 130,00   | 2 727,50            | 2 727,50     |
| 2.10  |                    |     | DRAINING MAINS  |                   |                |           |            |                  |            |                     |              |
| 2.10.1  | PC8.2.11           |     | Draining water from abandoned secondary mains (Prov.)   | Sum/500<br>meters | 1              | 10 000,00 | 10 000,00  | 10 000,00        | 10 000,00  | -                   | -            |
| 2.11  |                    |     | CONCRETE  |                   |                |           |            |                  |            |                     |              |
|   |                    |     | Anchor/thrust blocks and pedestals  |                   |                |           |            |                  |            |                     |              |
| 2.11.1  | 8.2.11             |     | a) Concrete (15MPa minimum)   | m²                | 2              | 1 200,00  | 2 400,00   | 2 565,00         | 5 130,00   | 1 365,00            | 2 730,00     |
| 2.11.2  | 8.2.11(b)          |     | b) Formwork   | m²                | 10             | 400,00    | 4 000,00   | 4 000,00         | 4 000,00   | -                   | -            |
| 2.11.3  |                    |     | c) Reinforcement (100kg/m³)   | t                 | 0,5            | 19 500,00 | 9 750,00   | 19 500,00        | 9 750,00   | -                   | -            |
| 2.11.4  | 8.2.12             |     | Concrete encasing   | m³                | 2              | 900,00    | 1 800,00   | 2 565,00         | 5 130,00   | 1 665,00            | 3 330,00     |
| 2.12  |                    |     | CHAMBERS  |                   |                |           |            |                  |            |                     |              |
|   |                    |     | Supply, handle and install Round Plastic Valve Boxes with blue lids for the following pipe sizes:   |                   |                |           |            |                  |            |                     |              |
| 2.12.1  |                    |     | a) 90mm dia.  | No.               | 3              | 255,00    | 765,00     | 361,80           | 1 085,40   | 106,80              | 320,40       |
| 2.12.2  |                    |     | b) 110mm dia.   | No.               | 2              | 340,00    | 680,00     | 432,00           | 864,00     | 92,00               | 184,00       |
| 2.12.3  |                    |     | c) 160mm dia.   | No.               | 1              | 476,00    | 476,00     | 553,50           | 553,50     | 77,50               | 77,50        |
| 2.12.4  |                    |     | d) 250mm dia.   | No.               | 0              | -         | -          | -                | -          | -                   | -            |
| 2.13  |                    |     | MARKINGS AND MARKER POSTS   |                   |                |           |            |                  |            |                     |              |
| 2.13.1  | C2.1.7<br>C2.1.7.2 | LI  | Supply & install Concrete pipe markers  | No.               | 1              | 2 500,00  | 2 500,00   | 2 500,00         | 2 500,00   | -                   | -            |
| TOTAL CARRIED TO SUMMARY : SECTION 2: SECONDARY MAINS RETICULATION CONSTRUCTION |                    |     |   |                   |                |           |            |                  |            |                     | R 105 345,33 |