

## **C3.1 DESCRIPTION OF THE WORKS**

### **C3.1.1 EMPLOYER'S OBJECTIVES**

The Kouga Local Municipality proposes to upgrade the existing sewer network in Kruisfontein. Parts of the existing sewer reticulation of the Kruisfontein area overflow due to insufficient capacity, old and deteriorated sewer infrastructure.

### **C3.1.2 OVERVIEW OF THE WORKS**

The Site is located within the Kruisfontein town. The area is developed with existing services underground, above ground infrastructure, premixed roads with associated stormwater and gravel roads.

### **C3.1.3 EXTENT OF THE WORKS**

This Scope of Works included the construction of the following approximately:

- (a) Deal with existing services along the proposed route: Locate, replace or re-route where required and protect during construction
- (b) Construction of sewer pipelines, manholes and sewer house connections
  - Re-routing, replacing and upgrading of existing sewers and manholes.
    - 630m of 200mm diameter pipes
    - 1650m of 250mm diameter pipes
    - 1789m of 315mm diameter pipes
    - 2089m of 350mm diameter pipes
    - Construction of manholes
  - Installation of house connections
- (c) Minor earthworks and ancillary works
- (d) Accommodation of traffic where required
- (e) Reinstatement of road crossings
- (f) Submission of as built information to the Engineer

### **C3.1.4 LOCATION OF WORKS**

The Residential area of Kruisfontein is situated approximately 1,2km from Humansdorp.

The site is accessible by existing tar roads and the Contractor shall make his own arrangements regarding any additional access to the Site of the Works which may be required for transport of plant and materials and shall construct and/or maintain such permanent and/or temporary roads, all at his own cost. Under no circumstances will any claims be allowed on account of difficulties experienced with access to any part of the Works.

### **C3.1.5 TEMPORARY WORKS**

#### **C3.1.5.1 Other Services (i.e. Telkom, Electricity, etc.)**

The Contractor shall ensure that the position of all existing services affected by the Works have been verified before construction works commences and should it be necessary to lower or relocate any service, the Contractor will be required to make the necessary arrangements with the relevant service provider and to advise the Employer's Agent accordingly.

#### **C3.1.5.2 Survey Beacons and Benchmarks**

The Contractor shall be responsible for the preservation of all land survey, erf or other pegs, benchmarks and beacons. If damage or disturbance of any such pegs or beacons is caused by the operations of the Contractor or his subcontractors, the pegs are to be replaced by a Registered Land Surveyor at the cost of the Contractor. Information regarding the position of all such pegs will be made available to the Contractor by the Employer's Agent.

The Contractor is to ensure that no spoil is placed over erf pegs or benchmarks and that these are adequately protected for the full duration of the Contract.

Where disturbances of boundary pegs are unavoidable due to excavation or other operations adjacent to the pegs, the Contractor shall advise the Employer's Agent or his Representative immediately, and agreement is to be reached that the disturbance of the peg is unavoidable and a strict record of such disturbed pegs is to be kept. Such pegs are to be replaced by a Registered Land Surveyor as described above and the Contractor is to submit proof of the cost of replacement of pegs. The Contractor will be reimbursed on a basis pro-rata to the total cost of peg replacement determined on completion of the Works.

#### **C3.1.5.3 Protection of Existing Works**

The Contractor shall take all necessary steps to ascertain the location of existing services before commencing any section of the works and shall exercise the greatest care when working in the vicinity of such services. No more than three weeks and not less than one week before commencing his operations in any particular area, the Contractor shall request in writing from the Employer's Agent the latest available drawings showing the location of services already installed. The Contractor will also be responsible for contacting the various service providers, arranging a meeting and verifying all known as well as possible unknown services on site.

The Contractor shall take all necessary steps to protect any existing works whatsoever against damage which may arise as a result of his operations on Site. The Contractor shall bear the cost of the repair of damage to any service, the possible existence of which could reasonably have been ascertained by him in good time.

Where the Contractor is responsible for damage for which repairs have to be carried out by the Employer or an outside Authority, the costs of these repairs will be recovered by means of a deduction from the Contractor's monthly Payment Certificate. The Employer will attend to the payment of monies due to outside authorities, should the Contractor not make direct payment, to the outside authorities, timeously.

#### **C3.1.5.4 Tidying up of the Works**

The Contractor shall take note that progressive and systematic finishing and tidying will form an essential part of this contract. On no account shall spoil, rubble, materials, equipment or unfinished operations be allowed to accumulate in such a manner as to unnecessarily be a hindrance to or impede the activities of other contractors or service providers. In the event of this occurring, the Employer shall have the right to withhold payment for as long as may be necessary in respect of the relevant works in the area(s) concerned.

Upon completion of the Works or any portion thereof, the ground, fences, gates and any structures that have been interfered with are to be carefully restored to their original condition and all rubbish, tools, tackle, plant and material must be removed so as to leave the Site in a clean and orderly condition. No additional payment shall be made for work set out above.