



## 6.6 Annexure F - Civil/ Structural Project Specification

CSIR

## Relocation/Protection of Existing Services

### C3.1 : DESCRIPTION OF THE WORKS

#### C3.1.1 TEMPORARY WORKS

Normal temporary work such as supports for formwork, shoring of trenches etc. will be required to facilitate construction.

Trenches and excavations need to be barricaded sufficiently in order to prevent, as far as is reasonably practicable, any person from falling into and/or being buried or trapped by a fall or dislodgement of material. The Contractor must ensure that the necessary steps are taken to ensure the stability of any adjoining building, structure or road that is likely to be affected.

#### C3.1.2 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 Employers Agent accordingly.

#### C3.1.3 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 Employers 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.

**C3.2 : ENGINEERING**

**C3.2.1 DESIGN SERVICES AND ACTIVITY MATRIX**

**C3.2.2 SERVICES KNOWN TO BE IN THE VICINITY OF THE WORKS SITE**

Many known services cross the site of the works. These are shown on the drawings as far as possible. Before any work commences the exact positions of all services must be located and the services identified, marked and recorded on plan for inclusion in the as-built drawing.

Items have been allowed in the Bill of Quantities for dealing with and protecting existing services where they are known.

The Contractor, shall however, ensure that prior to construction all the necessary Record Drawings and Way-leaves for all services have been obtained and verified on site by the relevant service providers in his presence. The Contractor must request in writing the relevant official to indicate the said services within 48 hours prior to the commencement of the work, after which the responsibility rests with the service department if the services are not indicated to the Contractor as requested.

The Contractor shall take whatever extra precautions are required to protect all existing services from damage during the period of the Contract. Any damage to existing services indicated by the relevant service providers or other damage as a result thereof, shall be for the Contractors account.

**C3.3 : CONSTRUCTION**

**PSA GENERAL**

**PSA PAYMENT CLAUSES**

**PSA 8.5.3 Relocation of municipal services ..... Unit: Provisional Sum**

The provincial sum is to cover the costs payable by the contractor to service providers, on the engineer's instruction only, for the relocation of existing services which impede construction activities.