**METHOD STATEMENT**

**EROSION MANAGEMENT AND CONTROL**

**WHAT work is to be undertaken?**

The management and control of onsite erosion.

**WHERE are the works to be undertaken?**

Farm 29, Calcutta Public Cemetery and Memorial Park, Stellenbosch

**WHEN are the works to start, what is the anticipated finish date?**

Date of commencement:

Date of completion:

**HOW are the works to be undertaken?**

**Procedures:**

- **Site Assessment:**
  - Conduct a thorough assessment of the site to identify areas prone to erosion, such as slopes, exposed soil surfaces, and watercourse boundaries.
  - Develop an erosion control plan outlining the specific measures to be implemented at different stages of the project.
- **Erosion Control Measures:**
  - Silt Fences: Install silt fences along the contours of slopes and around the perimeter of disturbed areas to intercept and filter sediment-laden runoff.
  - Sediment Traps and Basins: Construct sediment traps and basins at appropriate locations to capture and retain sediment from runoff before it enters watercourses.
  - Terracing and Contouring: Implement terracing and contouring techniques on slopes to reduce runoff velocity and minimize soil erosion.
  - Stabilisation: Use soil stabilisation measures, such as applying mulch, geotextiles, or erosion control blankets, to protect exposed soil surfaces.
  - Vegetation Cover: Establish vegetation cover on disturbed areas as soon as possible to provide long-term erosion control through root stabilization.
- **Stormwater Management:**
  - Implement stormwater management practices to control the flow of water across the site and prevent erosion.

- Use diversion channels, check dams, and level spreaders to manage stormwater runoff and reduce its erosive potential.

**Environmental Protection:**

- **Watercourse Protection:**
  - Maintain buffer zones around watercourses to protect them from sedimentation and erosion.
  - Install erosion control measures at the edges of watercourses to prevent sediment from entering the water bodies.
- **Monitoring and Maintenance:**
  - Conduct regular inspections of erosion control measures to ensure their effectiveness and make necessary repairs or adjustments.
  - Monitor weather conditions and adjust erosion control measures accordingly, especially before and after significant rainfall events.

**Emergency Procedures:**

- **Immediate Response:**
  - Halt construction activities in areas where significant erosion is detected.
  - Implement additional erosion control measures to stabilize the affected areas and prevent further erosion.
- **Incident Investigation:**
  - Investigate the cause of the erosion and take corrective action to address the underlying issues.
  - Document the incident and the corrective measures taken in an incident report.
- **Corrective Actions:**
  - Review and update the erosion control plan to prevent future erosion incidents.
  - Provide additional training to staff on erosion control practices and emergency response measures.

**Records:**

- **Documentation:**
  - Maintain detailed records of the erosion control measures implemented, including installation dates and inspection logs.
  - Keep a log of any erosion incidents and the corrective actions taken to address them.
  - Document any changes to the erosion control plan and the reasons for those changes.

**DECLARATIONS**

1) **PERSON UNDERTAKING THE WORKS**

I understand the contents of this Method Statement and the scope of the works required of me. I further understand that this Method Statement may be amended on application to the signatories hereunder and that the Environmental Control Officer will audit my compliance with the contents of this Method Statement.

_____ _____ **(Print name)**

**(signed)**_____ **Dated:**_____

2) **ENVIRONMENTAL CONTROL OFFICER**

The work described in this Method Statement, if carried out according to the methodology described, is satisfactorily mitigated to prevent avoidable environmental harm:

_____ **(Print name)**

_____**(signed) Dated:**_____

3) **RESIDENT ENGINEER/ENGINEER REPRESENTATIVE/CLIENT**

_____ **(Print name)**