



SEDIBENG TVET COLLEGE  
"GROW WITH THE FLOW"

**SCOPE OF WORKS FOR THE MAINTENANCE, SUPPLY, AND INSTALLATION STORMWATER DRAINAGE  
SYSTEM AND RETAINING WALL**

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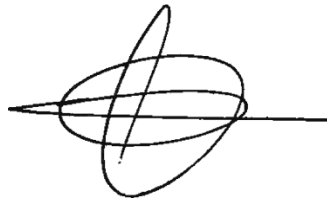
Approved by: Mr. Marito Mabunda

For:

HEIDELBERG CAMPUS – SEDIBENG TVET COLLEGES

Represented By: Ms. Thandiwe Mbhem

March 2022



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**Company Reg:** 2012/139758/07

**Directors:** Sandro Shikwambana; Marito Mabunda

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## BACKGROUND AND PURPOSE

The Department of Higher Education and Training through Sedibeng TVET College initiated the repair and maintenance, including the supply and installation of a stormwater drainage channel for Heidelberg Campus in order to prevent the increased risk of flooding and to prevent soil erosion.

There is no adequate stormwater channel around one of the existing workshops on campus. This has led to the unwanted collection of water along the external perimeter of the building. As a result of this, algae has been growing in the affected area, which has made the surface slippery, thus creating a slipping hazard.

Based on the assessment carried out at Heidelberg Campus, the flooding around the workshop is an indication of the lack of a proper run-off channel for stormwater. There is a need to install a proper channel as a solution to this problem. The existing retaining wall outside the building also needs to be repaired as it is damaged.

As per the Terms of Reference of the appointment, SRSQS Quantity Surveying (Pty) Ltd were to carry-out conditional assessments of the stormwater drainage mechanism and evaluate the legal compliance of the installations and thereafter determine the required maintenance, repair or replacement works in-order to improve the system based on the relevant SANS standards and Occupational Health and Safety Standards.

## Assessment Methodology

### Field Investigations

The field investigations focused on the construction and installation of a new stormwater drainage infrastructure, as well as the repair of the existing retaining wall. Issues of concern from the end-users were also highlighted and noted down.

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**VISUAL SCOPE OF WORKS – PROPOSED WORKS APPROACH**



- Existing damaged retaining wall
- Repairs to existing damaged retaining walls
- Break down existing retaining wall and rebuild ( A meter away from
- Recommended Re – use of



- Existing damaged retaining wall
- Repairs to existing damaged retaining walls

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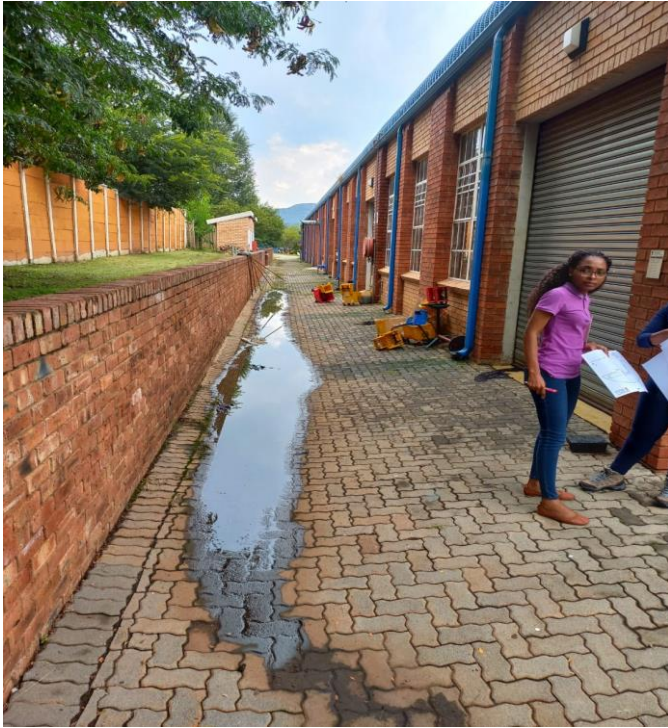
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- Clean existing stormwater drainage
- Remove shrubs and debris in existing stormwater channel
- Ensure existing channel, channel water to the existing stormwater and drainage channel.

- Remove and set aside interlocking pavers including reinstatement
- Excavate earth for sub-base excavations
- Backfilling and compaction of ground surfaces
- Supply and install pre-cast channel laid to hard earth bottoms including subsoil drainage.
- Supply and install steel grating
- New storm-water drainage system to channel water to the existing run-off channel

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- Existing stormwater drainage channel

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