

ANNEX 3: TERMS OF REFERENCE FOR GEOTECHNICAL INVESTIGATION PROJECT: PROPOSED MIDDELBURG DAM PRECINCT PLAN ON PORTION 87 OF THE FARM RONDEBOSCH 403-JS

1. Background

The STLM conducted high level feasibility studies on the development potential of tourism related node around Middelburg Dam. The outcome of the study indicated that tourism related precinct development will be viable. The study area is described as a portion of Portion 87 of the farm Rondebosch 403-JS and the footprint of the proposed land development is 18,7 hectares, see Locality attached as annexure to this document.

In line with the principles of sustainable development, experienced and registered geologists are hereby invited to submit quotations for conducting engineering geological investigation on the 18,7 hectares of land in order to assess the suitability of the site for the purpose of planning and designing additional stands. The critical aspects to be covered by the investigation are methods of investigation, geotechnical characteristics of the site, geotechnical constraints, founding conditions, NHBRC zoning, Engineering Geological Zoning, recommendations and conclusion. Further, the consultant is required to determine and position the flood line around the dam.

2. Available information

The following information is available for consideration as part of the geotechnical investigation:

- 2.1 Locality Plan
- 2.2 Development Concept Plan for the entire area
- 2.3 Wetland Delineation map
- 2.4 Municipal Spatial Development Framework, 2018
- 2.5 Steve Tshwete Land Use Scheme, 2019
- 2.6 Bio-diversity Map

3. Tasks

- Liaison with client and other authorities
- Desktop study (obtain & peruse existing info, maps etc.)
- Fieldwork (excavation of test pits)
- Analysis of soils results
- Drafting and submission of report
- Hire of TLB
- Transport of TLB
- Laboratory testing of soils
- In-situ permeability testing
- Photocopying and binding
- Flood line Determination: Field survey and Mapping

4. Deliverables

- 3 hard copies of the final geotechnical reports
- 1 electronic copy of the final report with maps on dwg or dxf format

