

## C4: SITE INFORMATION

### C4.1. Project location

The project is located in the Tafelkop rural settlement (Lat 25°03'58"S and Long 29°30'45"E) at approximately 17km North-East of Groblersdal, in the Elias Motsoaledi Local Municipality as depicted in the figure below.



Start of the project at 25° 3'46.66"S and 29°30'13.36"E

End of the project at 25° 2'47.45"S and 29°30'51.46"E.

### C4.2 Project overview and Road under consideration

The Tafelkop stadium access road is a rural road off the R33 at about 4km from Groblersdal towards the Tafelkop rural settlement at approximately 17km from Groblersdal town. The road traverses through residential areas with schools, churches and taverns. It functions as a collector/distributor road which can, therefore, be classified as a mobility route and access road about functionality, as it serves to move residence as Bus route for taxis and private vehicles. According to the South African Pavement Engineering Manual (SAPEM), the Tafelkop stadium access road falls under road categories D.

The entire 5.4km identified road is in gravel condition. The road has the following infrastructure:

- Two major intersections with the 39 km road link between R33 and R579
- Principal access to Tafelkop Stadium with open area serving as parking
- Several access roads to schools, churches, and residents
- Box culvert bridge
- Pipe culverts
- Existing services (powerline & bulk water) along and crossing the road.

### C4.3 Topography and Terrain

The terrain is overall level to semi-flat to rolling terrain over the length of the road. The altitude rises from 1284MAMSL at the major intersection towards the Stadium to 1337MAMSL at the chainage 2.10km.

### C4.4 Borrow pits

There are 3 borrow pits with materials available named as BP1, BP2 and BP3. The borrow pit BP3 has however a challenge for access due to lack of space for further construction as it is located close to a graveyard, and it has a bedrock laid approximately 1 meter from the ground.

The borrow pits BP1 and BP2 have been identified as the potential sources for the material suitable for use on roadwork and have enough materials to complete the road with TRH14 classification ranging G6.

BORROW PIT POSITION	COORDINATES	
	SOUTH	EAST
01	25° 4' 57.96"	29° 28' 53.49"
02	25° 3' 39.15"	29° 28' 38.69"
03	25° 2' 38.18"	29° 28' 55.10"

### C4.4 Land Use

The surrounding area is categorised as township/settlement with cultivated/subsistence agriculture activities in some lands. We observed a significant percentage of public transport vehicles frequenting the road taking/dropping commuters to/from Groblersdal and surrounding areas.

The land use along the route may be summarised as follows:

- Residential
- Agricultural – subsistence farms such cultivated, cattle along the road
- Commercial – spaza shop
- Public facilities such as schools, creche, church
- Transportation – taxi and private vehicles.

### C4.5 Stakeholders

Considering this area is within a rural settlement outside the town of Groblersdal, the local community is made up of different income brackets. Therefore, there is a need to consider the type of stakeholders who will have a vested interest in the project, namely the local ward councils representing the community, schools, church and farm occupants of the sections of land and farms.

The identified stakeholders of the project are listed below:

- The EMLM as the Road Authority and Implement Agent
- SANRAL – for the two intersections with R574
- ESKOM
- Department of Environmental Affairs (DEA)
- Department of Water and Sanitation – WULA
- The ward council
- BaPedi ba Ramaube tribal authority
- Farmer's community falling under the Elias Motsoaledi Municipality

**C4.6 TENDER DRAWINGS**