



HANSLAB (PTY) Ltd
ENVIRONMENTAL AND GROUND
ENGINEERING SPECIALIST

**The proposed extension of the existing Local
Road 1131 to form the Dabe extension,
Emoyeni area
Inkosi Langalibalele Local Municipality**



Municipality: Inkosi Langalibalele Local Municipality

Applicant: KZN DOT (Estcourt Cost Centre)

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1. PROJECT TITLE

The proposed extension of the existing Local Road 1131 to form the Dabe extension, located in the Emoyeni area within the Inkosi Langalibalele Local Municipality.

2. PROJECT DESCRIPTION

The KZN Department of Transport (Applicant), proposes to extend the existing gravel road Local Road 1131 to meet District road 1239 within the Inkosi Langalibalele Local Municipality. The existing extent of the road is 2,46 km in length, the Department of Transport (DOT) proposes to extend the road by a further 1,2 km to meet D1239 (**Refer to Figure 1 and Figure 2**). The proposed upgrade will be approximately 3.66 km in length and 6m wide, with a 20m road reserve, as per the DOT standard dimensions for a type 7A gravel road.

The Dabe extension will traverse 2. No watercourses i.e. W1 and W2 which are located at W1: 28°57'23.69"S, 29°33'32.89"E and W2: 28°57'07.77"S, 29°33'17.94"E (**Refer to Figure 1**). The applicant proposes standard portal causeway structures as per DOT standards for the watercourse crossings.

The proposed extension of the existing Local Road 1131 to form the Dabe extension triggers *Activity 12 and 19 of GNR 983* (Listing Notice 1) in terms of the National Environmental Management Act (1998) as amended.

3. LOCALITY OF LOCAL ROAD 1131 / DABE EXTENSION

Local Road 1131 is located within the Inkosi Langalibalele Local Municipality, formerly the Umtshezi Local Municipality in the Emoyeni area. It can be accessed via District Road 214 (**Refer to Figure 2**)

Province	KwaZulu-Natal
Local Municipality	Inkosi Langalibalele Local Municipality
Ward Number(s)	Ward 2
Farm name and number	Maritz Dam 1256
Portion number	Not Applicable
SG Code	N0GS00000000125600000
Start Point of L1131	28°56'29.94"S, 29°34'16.64"E
Start Point of proposed Dabe Ext.	28°57'22.85"S, 29°33'35.84"E
End Point of proposed Dabe Ext.	28°57'06.71"S, 29°33'05.51"E

The 2. No watercourses (**Figure 1 below**) will be traversed by the proposed construction of the causeway structures at the following locations:

	Latitude	Longitude
Watercourse 1	28°57'23.69"S	29°33'32.89"E
Watercourse 2	28°57'07.77"S	29°33'17.94"E

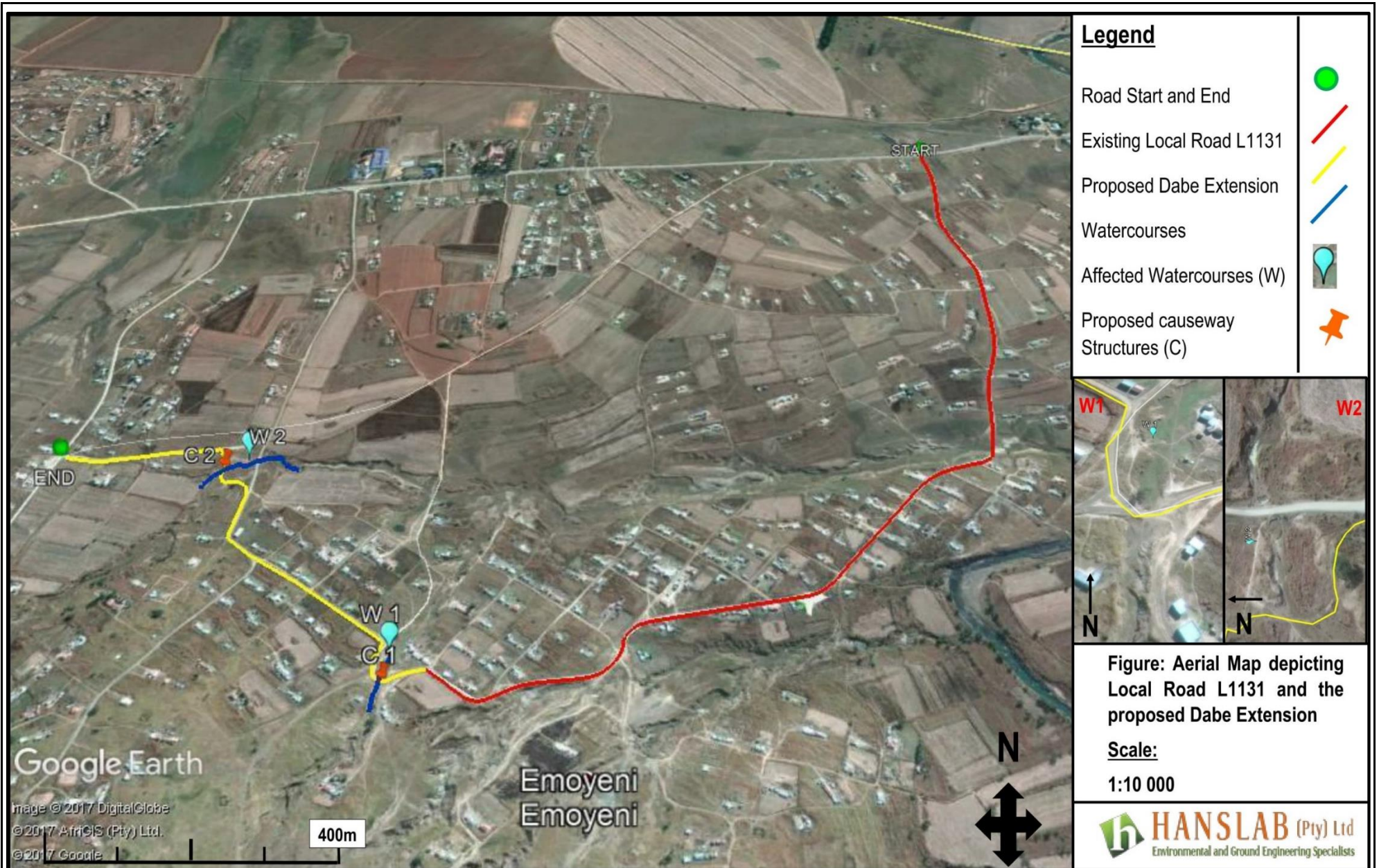


Figure 1: Aerial representation of Local Road 1131 (red) and the proposed Dabe Extension (yellow) as well as the 2 proposed causeway structure locations (orange) (Source: Google Earth, 2017)

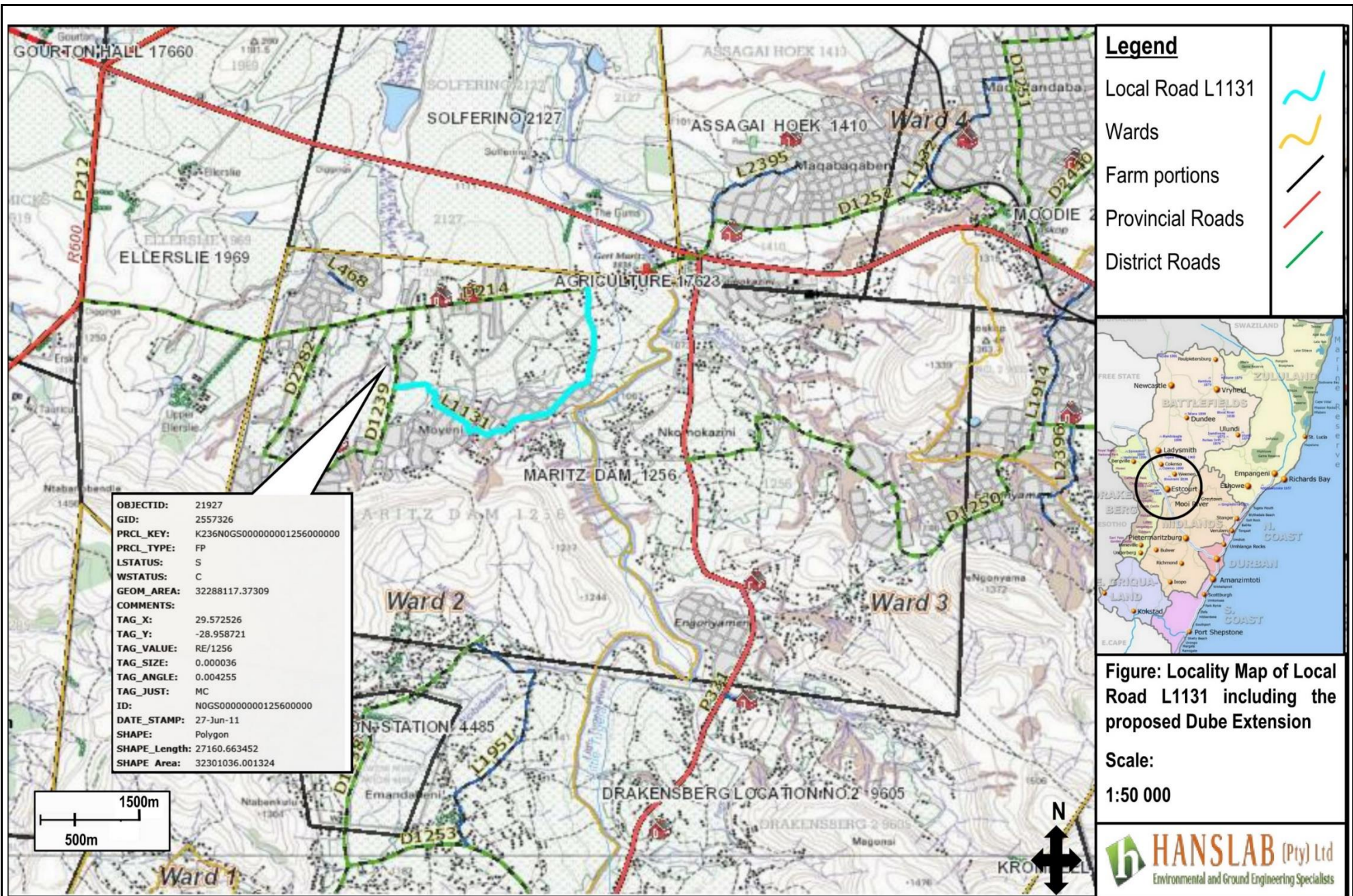


Figure 2: Locality map depicting Local Road 1131 including the proposed Dabe extension (Blue) (Source: DOT GIS, 2017)

4. LISTED TRIGGERED ACTIVITIES

The listed activities below are triggered as per EIA Regulations of 2014:

GN NO & ACTIVITY NUMBER	ACTIVITY DESCRIPTION	PROJECT DESCRIPTION
GNR 983, Activity 12 of Listing Notice 1	<p><i>The development of—</i></p> <p><i>(ii) infrastructure or structures with a physical footprint of 100 square metres or more;</i></p> <p><i>where such development occurs—</i></p> <p><i>(a) within a watercourse;</i></p> <p><i>excluding—</i></p> <p><i>(dd) where such development occurs within an urban area;</i></p>	<p>The proposed development traverses 2. No watercourses. The applicant proposes to construct 2no.standard portal causeway structures according to DOT standards. This structure will be approximately 7.5m wide and 20m long. The physical footprint of the activity will therefore be 150 m².</p> <p>The activity will occur within a rural area.</p>
GNR 983, Activity 19 of Listing Notice 1	<p><i>The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from a watercourse;</i></p> <p><i>but excluding where such infilling, depositing, dredging, excavation, removal or moving—</i></p> <p><i>a) will occur behind a development setback;</i></p> <p><i>b) is for maintenance purposes undertaken in accordance with a maintenance management plan;</i></p>	<p>The proposed development traverses 2. No watercourses. The applicant proposes to construct standard portal causeway structures according to DOT standards. The construction of the structures will require the temporary removal of soil within the 2no. identified watercourses. It is expected that more than 10m² of soil will be removed from each watercourse during the construction phase.</p> <p>There is no development setback for the proposed area of development and no existing maintenance management plan as these will be new causeway structures.</p>