

February 13, 2020

Attention: Takalani Muavha (Project Manager)

RE: NOTICE FOR APPLICATION FOR ENVIRONMENTAL AUTHORISATION AMENDMENT OF THE R5 FOR PIPELINE ROUTE RE-ALIGNMENT OF APPROXIMATELY 2KM AT WOODHILL GOLF ESTATE

Dear Takalani

This letter serves to address the Ecological impact for the amendment of the R5 for pipeline route re-alignment of approximately 2km at Woodhill golf estate.

The Environmental Authorisation approved a deviation of the pipeline route (C, as per– Figure 1) at Woodhill Estate (outside of Rand Water's registered servitude). An amendment of the EA is crucial in order to align the pipeline within Rand Waters servitude at Woodhill Estate. The Authorised preferred alignment will deviate from the proposal in the Woodhill Golf Estate by being aligned around the golf fairways and greens since these have been developed on top of the existing servitude." The approved route as per the current approved deviation at Woodhill Golf Estate is depicted in Figure 1 as the pink line. The proposed amended alignment into the Rand Water servitude is depicted by the redline

Proposed specification changes to align the pipeline within Rand Waters servitude at Woodhill Estate

The Rand water servitude passes through the golf course which is has low ecological value since it is a developed land. The negative impacts on the ecological function of the area will be very minimal since the area is a cultivated land (grass course)

- The new layout constitutes a better outcome in terms of overall impact due a reduced physical footprint.
- The new proposed pipe that is within the Rand Water servitude does not fall within the sensitive area

The project locality is depicted in figure 1 below. Moreover, the approved route as per the current approved deviation at Woodhill Golf Estate is depicted in Figure 2 as the pink line. The proposed amended alignment into the Rand Water servitude is depicted by the redline.



Figure 1: Locality of Woodhill Golf Estate proposed pipeline

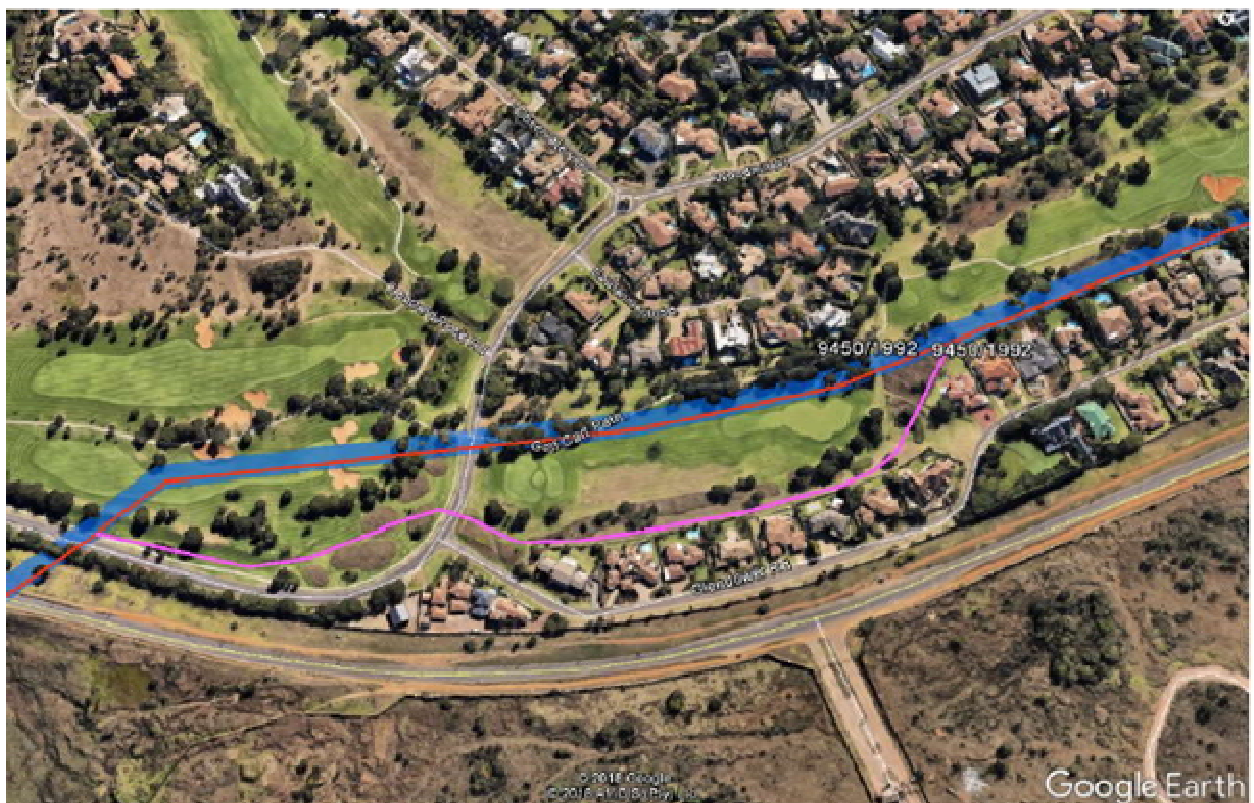


Figure 2: Option C (Pink line) – approved deviation, red line indicates the proposed re-alignment within Rand Water servitude (blue area)

Ecological specialist comments:

The following comments are made to each change in specification as listed in Table 1:

Concluding remarks:

The proposed amendments the R5 for pipeline route re-alignment of approximately 2km at woodhill golf estate will have no additional impact (direct, indirect or cumulative) on the ecology and ecosystems. Rather, the amended layout it will achieve a better outcome in terms of a servitude being maintained . No additional impacts or mitigation measures, associated with the proposed amendment were identified. Therefore the recommendations and mitigation measures contained in the Ecological Impact Assessment conducted for the initial assessment are still applicable, remain valid, and should be included as conditions for approval.

It is the opinion of the Ecological Specialist that overall, the significance of the impacts associated with the pipeline construction, as assessed in the Ecological Impact Assessment, has been significantly reduced as a result of the proposed amended.

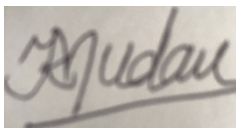
No additional No-Go areas were identified as a result of this amendment.

This Letter of Opinion is not a standalone document and the conclusions made must be read in conjunction with the findings of the original Ecological Impact Assessment conducted

Yours faithfully

Takalani Mudau

Ecological Specialist



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Takalani Mudau – (Pr. Sci. Nat): Takalani Mudau holds a Bachelor of Science honours (BSc hon) Degree in botany obtained from the University of Venda (2013). He is a registered natural scientist with the South African Council for Natural Scientific Professions (SACNASP) as a Candidate Natural Scientist (Pr.Sci.Nat.) since 2016. He is a Director at Mveledzo environmental and safety

Takalani was responsible for conducting Environmental Impact Assessment (EIA) and Environmental Control Officer (ECO) for housing, schools, dams and road construction projects across the country. Takalani have also done mine audits in EMPr performance assessment, environmental assessment and water use licence audits. He was also responsible for conducting Basic Assessments and water use license applications for roads upgrade. He conducted a closure and rehabilitation plan for a mine as an EO. Other responsibilities include Social Impact Assessment, Environmental Scoping Studies, Public Participation and environmental education campaigns. Takalani has also done section 24G application of the NEMA for different projects

Declaration:

I, **Takalani Mudau**, declare that I am an independent consultant and have no business, financial, personal or other interest in the proposed development, application or appeal in respect of which I was appointed other than fair remuneration for work performed in connection with the activity, application or appeal. There are no circumstances that compromise the objectivity of my performing such work.