

BRAAMHOEK PUMPED STORAGE SCHEME

ROADS EIA

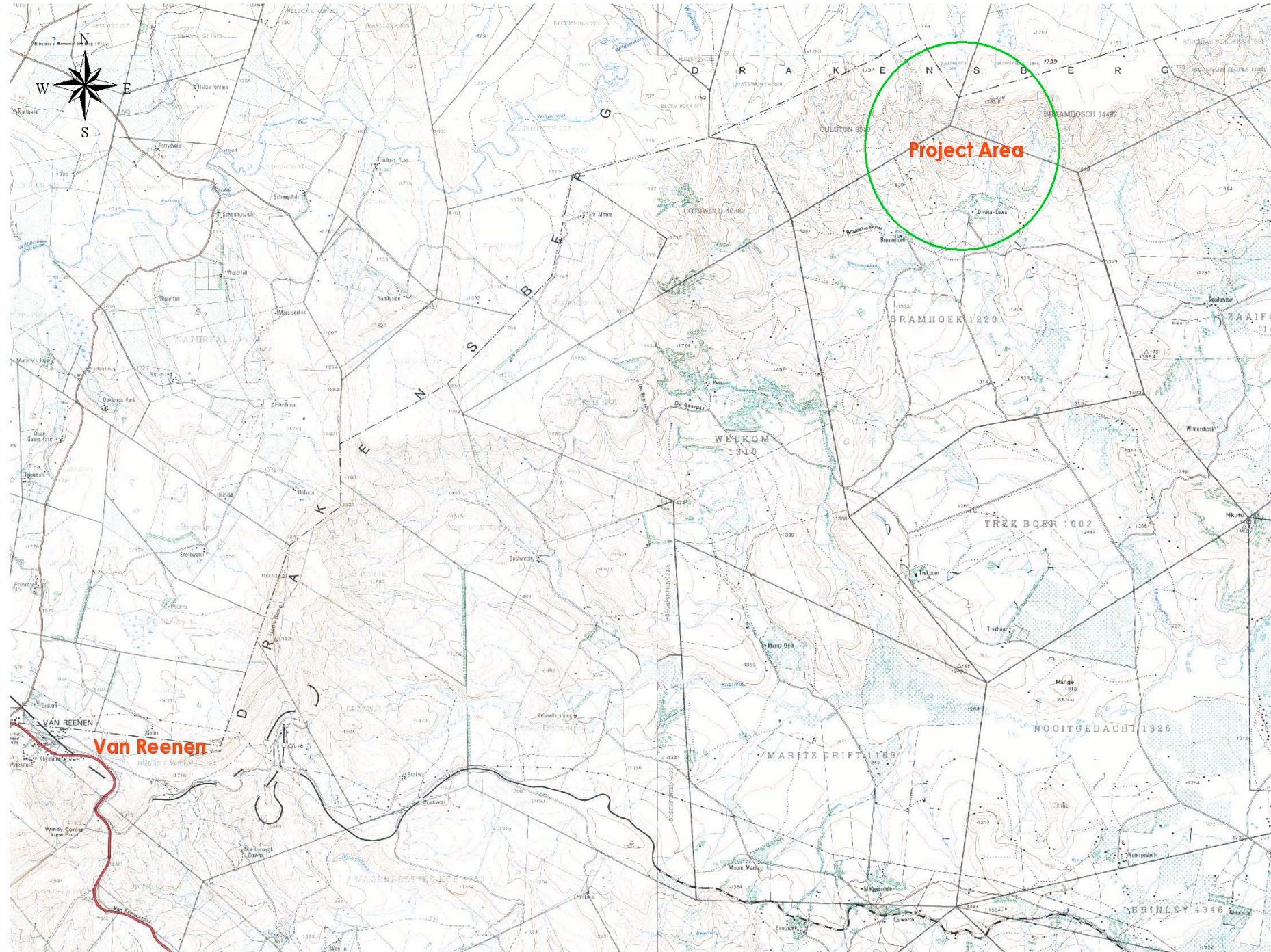
Braamhoek Consultants Joint Venture



STUDY AREA

- Scheme straddles Kwa-Zulu Natal and Free State Provinces
- Upper (Bedford farm) and Lower site (Bramhoek farm)





Project Area

Van Reenen



PROJECT DESCRIPTION

- Scheme requires upgrading and construction of roads to provide access to the site



PROJECT DESCRIPTION (2)

- Three types of access roads will be required:
 - 1:** External: roads providing access from existing regional roads
 - 2:** Internal: roads linking the Upper and Lower Reservoirs

PROJECT DESCRIPTION (3)

- 3:** Internal site roads: provide access within the Upper and Lower Sites (18 km within Upper Site & 7 km within Lower Site)



PROJECT DESCRIPTION ⁽³⁾

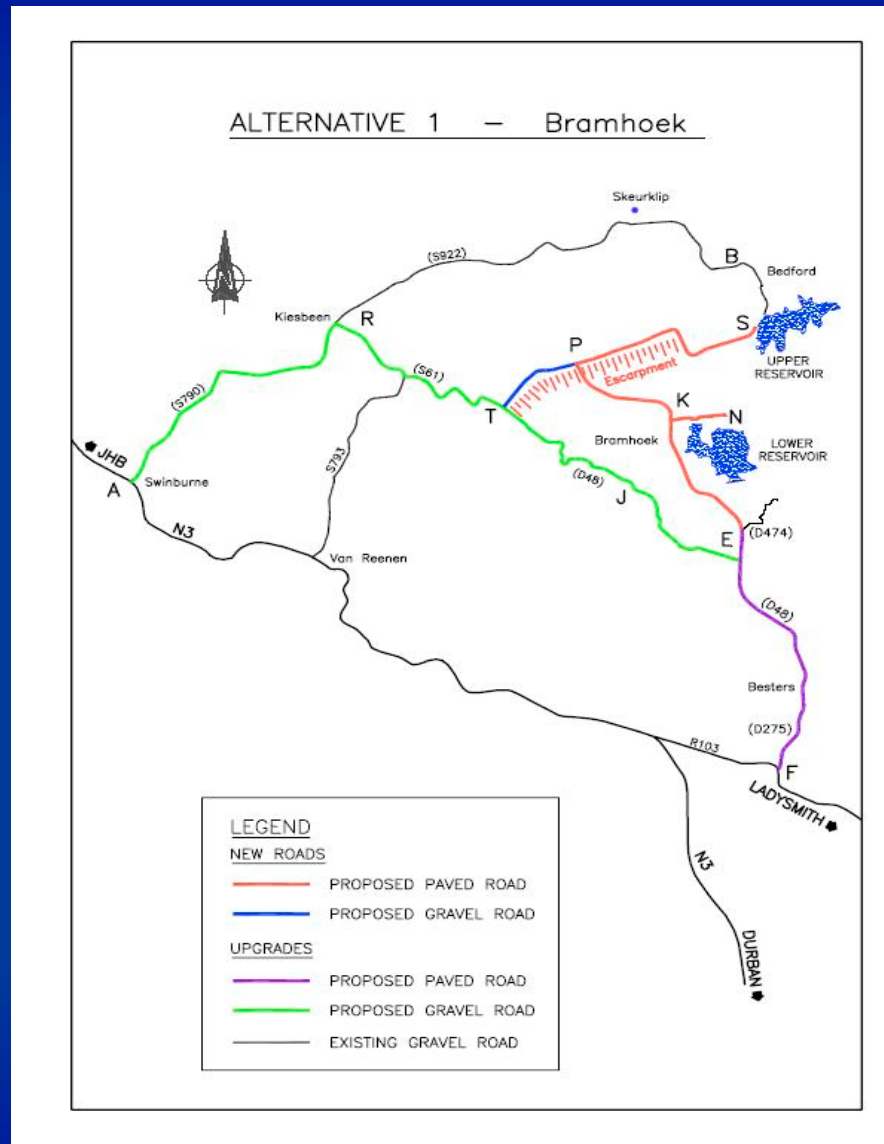
- Roads will be 10 m wide, with a corridor of approximately 30 m
- Some roads will be surfaced



EXTERNAL ACCESS ROADS

- Use existing roads from N3:
 - Northern section of De Beers Pass
 - R103 (Ladysmith Road) via Besters to the south

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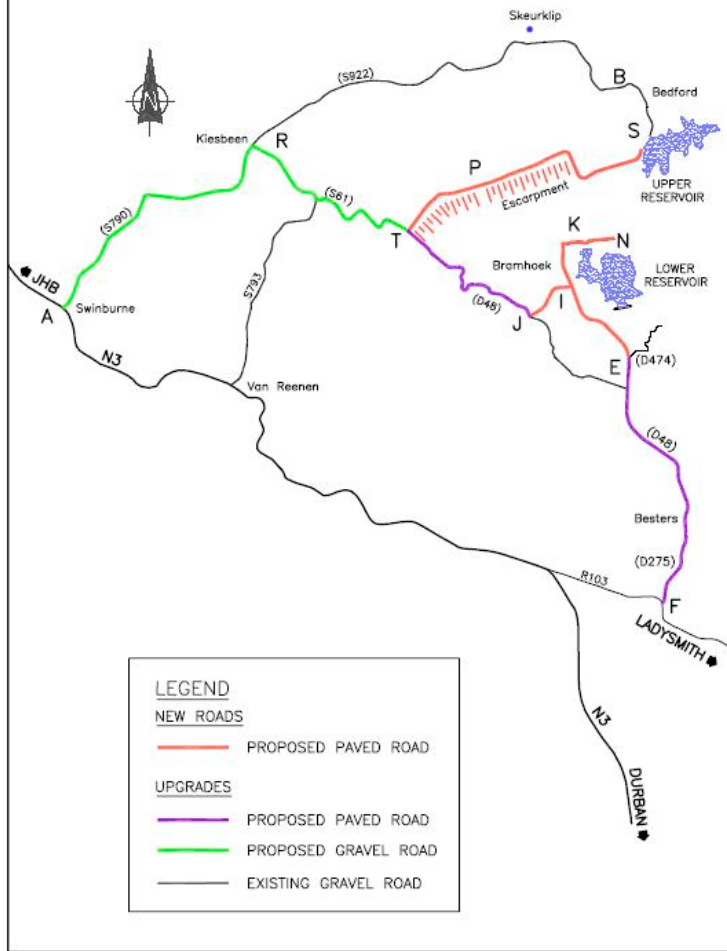


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BRAAMHOEK CONSULTANTS JOINT VENTURE

ALTERNATIVE 2 - De Beers-Escarpment

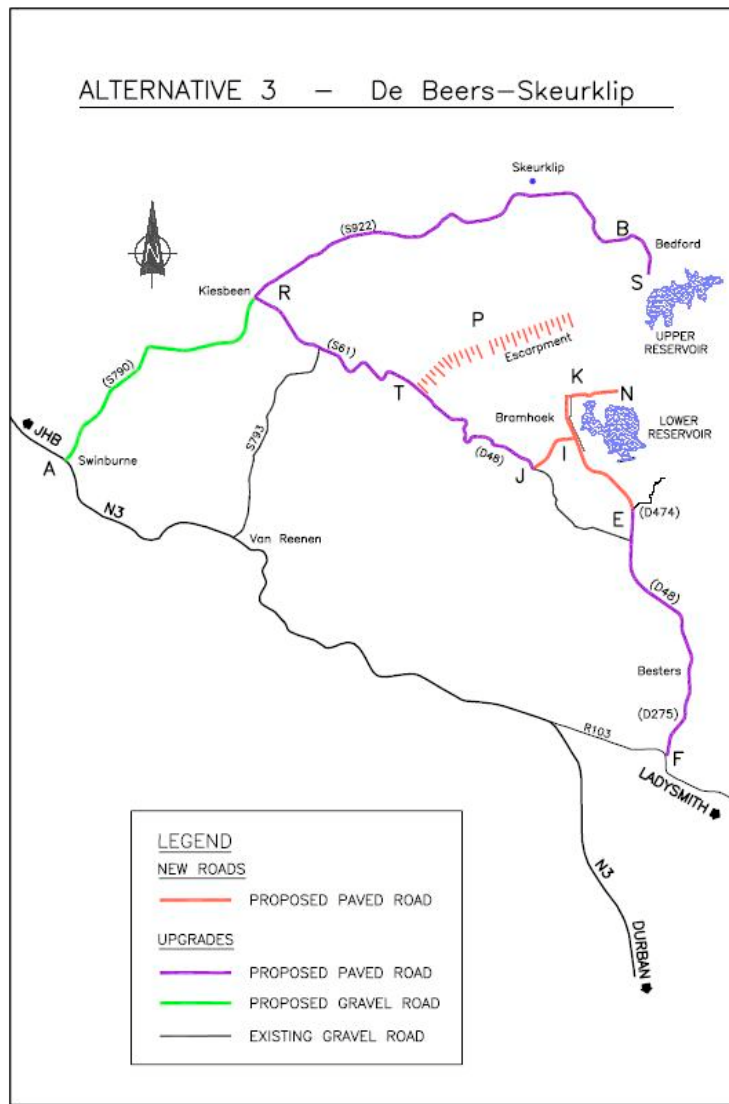


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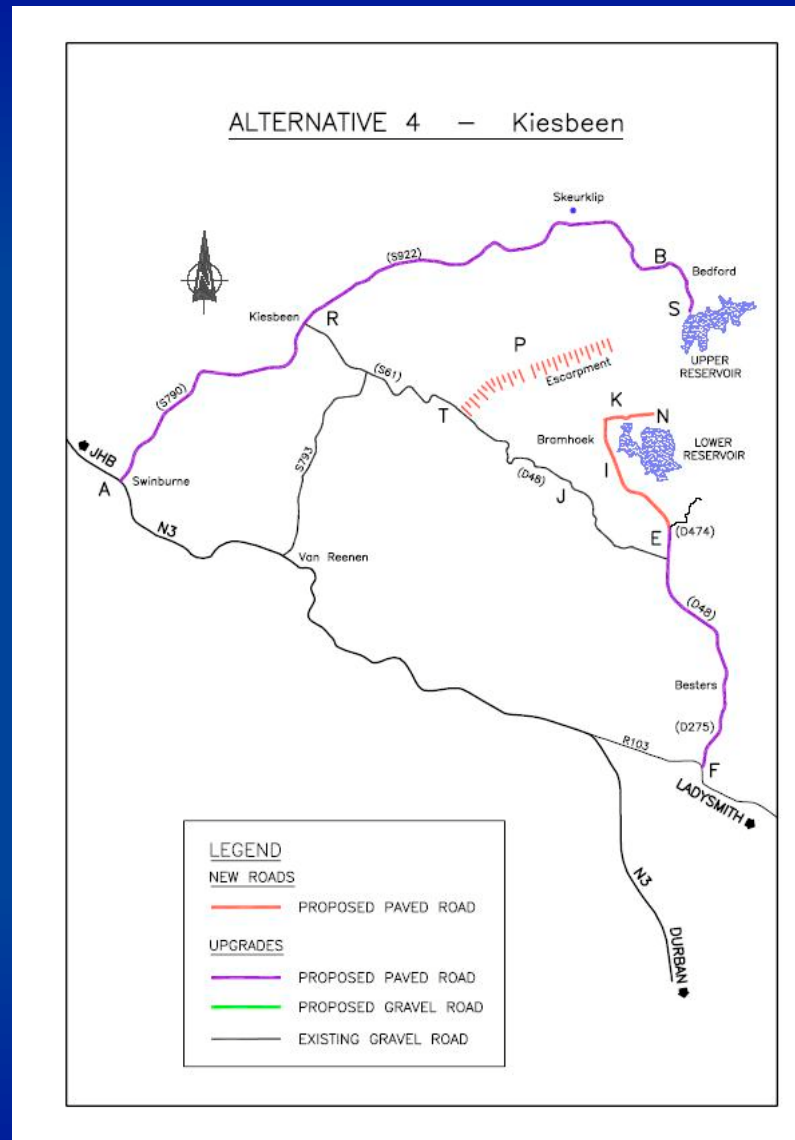
ALTERNATIVE 3 – De Beers–Skeurklip



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POTENTIAL ISSUES

- Majority of roads will be upgraded to minimise potential impacts
- Temporary (construction phase) and permanent issues (operational phase)



POTENTIAL ISSUES (2)

1) Temporary issues - construction

- Disruption to traffic flows
- Noise
- Dust
- Disturbance to fauna and flora
- Water and soil contamination
- Disturbance of soils
- Visual impacts
- Social impacts

POTENTIAL ISSUES (3)

2) Long-term issues - operational

- Increased traffic
- Disturbance to fauna and flora
- Visual impacts
- Dust
- Noise

3) Long-term positive impacts - operational

- Improved roads will provide better access

CONCLUSION

- Majority of roads will be upgraded existing roads
- Negative environmental and social impacts will be mitigated
- Roads should have potential positive socio-economic impacts as a result of improved access to the area



DISCUSSION

