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STELLENBOSCH MEMORIAL PARKS – ACCESS OPTIONS FOR LOUWS BOS

Two sites have been identified as preferred locations for the development of memorial parks for Stellenbosch Municipal Area. This statement addresses the possible access locations in terms the Provincial standards and road access guidelines of two alternatives on the Remainder of Farm 502 Stellenbosch:

The two alternatives are:

- 1. Remainder Farm 502 Stellenbosch Louws Bos **south** of Annandale Road
- 2. Remainder Farm 502 Stellenbosch Louws Bos north of Annandale Road

Traffic Impact Assessments (TIAs) will still be required to confirm these alternatives.

The Remainder of Farm 502 is located on both sides of Annandale Road (Divisional Road 1050). The Provincial Government is the Road Authority for the DR1050 and needs to approve the access for any change in land use that would impact the road users. Annandale Road is a very important Class 3 Minor Arterial between Baden Powell Drive (MR168) (R310) and the R44 (MR27) and carries around 8 000 vehicles per day which is expected to increase significantly once the road has been upgraded.

Locality Plan of alternatives on Farm 502, south and north of Annandale Road



Annandale Road (DR1050) is currently being rehabilitated under the Provincial Contract Number C0921 which includes the section through Farm 502. The contract includes the reconstruction of DR1050 to a standard that includes shoulders and a Non-Motorised Transport lane along the northern road reserve boundary.

Annandale Road



Annandale Road Rehabilitation Project (8 January 2018)



Section of Annandale Road crossing the southern section of Remainder Farm 502 (Louws Bos)



ALTERNATIVE 1: SOUTH OF ANNANDALE ROAD

The southern portion of the farm has been identified as Alternative 1 for the possible development of a memorial park.

The design speed for Annandale road is 100km/h which requires a shoulder sight distance of 200m for a passenger vehicle and a stopping sight distance of 155m.

Proposed Access and Available Sight Distances

Proposed Access off Annandale Road



The proposed access is located on the outside of a bend and the road is flat with more than adequate shoulder and stopping sight distances in both directions.

Shoulder Sight Distance towards R44



Shoulder Sight Distance towards Baden Powell Drive



Existing Access Layout at the Proposed Access

The existing access provides access to the ESKOM substation as well as farm worker's houses located on Farm 557. The design of the access will have to accommodate both these roads while also providing a separate access to the memorial park with adequate stacking to avoid queuing onto Annandale Road.

Existing Access Location and Layout



If required, the access could be moved further west to increase the access spacing (±300m) between the Soverby Guest House access and the proposed access.

The access will require a right turn lane for traffic coming from Baden Powell Drive and may also require either a left turn taper or left turn deceleration lane depending the trip generation of the proposed memorial park.

ALTERNATIVE 2: NORTH OF ANNANDALE ROAD

The northern portion of the farm has been identified as Alternative 2 for the possible development of a memorial park.

Alternative 2 Location



No access off MR27 (R44) will be allowed. Access will be obtained only from DR1050 (Annandale Rd),

There is a western by-pass planned across the northern portion of Farm 502. No access will be allowed from the by-pass.



Proposed Alignment of Western By-Pass

Proposed Access off Annandale Road



The design speed for Annandale road is 100km/h which requires a shoulder sight distance of 200m for a passenger vehicle and a stopping sight distance of 155m. Although the access is proposed on the inside of the bend the shoulder sight distance will be adequate in both directions. To achieve the should sight distance towards Baden Powell some vegetation may have to be removed but this would be addressed during the detail design of the access



Shoulder Sight Distances

The access will require a right turn lane for traffic coming from the R44 and may also require either a left turn taper or left turn deceleration lane depending the trip generation of the proposed memorial park.

The proposed Alternative 2 access road will have to cross over private land and a stream.

FUTURE FULL ACCESS TO ALTERNATIVE 1 AND 2

The proposed accesses for Alternative 1 and 2 off Annandale Road are located at the same point. This will create a full access in future and therefore the location and design of the access to Alternative 1 will also have to consider the possible location of the access to Alternative 2 in the future. A staggered access will not be acceptable or approved.

Future Combine Access for Alternative 1 and 2



Approval for these accesses will have to be obtained from the Western Cape Government and the design of the accesses will have to be approved by their roads geometric design department.

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