

Heritage Western Cape

Attention: Andrew Hall (Andrew.Hall@westerncape.gov.za)
Copy: Calvin Van Wyk (Calvin.VanWyk@westerncape.gov.za)
SAHRA (REF 9/2/084/181)

APPLICATION FOR ROAD WIDENING AND PROPOSED LANDSCAPING WORK OF THE R45 MR191 BETWEEN PAARL AND FRANSCHHOEK PGWC CONTRACT C749.2, DWARS RIVER VALLEY, CAPE WINELANDS CULTURE LANDSCAPE

A proposal for the widening of MR191 (R45) between Paarl and the turnoff to Hellshoogte (R310) was submitted to SAHRA in October 2011.

In an accompanying letter to SAHRA by myself, dated 31 October, it was stated that the road widening would occur within the existing road reserve and involved the widening of existing lanes and the addition of a shoulder.

A series of landscape plans accompanied the submission. In the letter referred to it was stated that the landscape proposals had addressed the heritage issues identified. It was thus recommended that the heritage authorities and the Department of Environmental Affairs and Planning endorse the landscaping proposals. The application was tabled at the SAHRA Built Environment and Landscape (BELCOM) meeting on 10 November 2011. The BELCOM decision was to support the recommendations of the impact assessor and the landscaping proposals as per the plans submitted. (Refer Annexure 1, 2, 3).

The road widening proposal made provision for a diversion around the 1860 railway bridge, a heritage resource identified as having considerable significance. Detailed design related to operational requirements related to clearance over the railway line, the need to ensure the conservation of the physical fabric of the bridge and cognisance of the flood line has necessitated the realignment of the road some 50m eastwards. (Refer Annexure 4, 5).

The realignment from the SAHRA approved plans will have no heritage impact. There are only two structures within the proposed road reserve; a concrete block shed and an unfurnished labourer's cottage, which are of no heritage significance (Refer photos, Annexure 6).

It is thus recommended that SAHRA comment to HWC that it concurs with the assessor that there will be no heritage impact, and that HWC comments to DEA&DP that the diversion will have no heritage impact, that no further heritage analysis is required and that the road widening may proceed.

Please contact me should you have any queries.

Kind regards

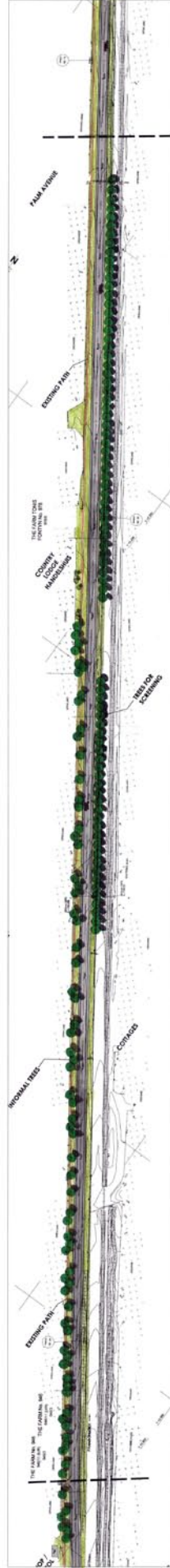
Nicolas Baumann

Annexures:

1. SAHRA approved Landscape Plans (2).

2. Letter from Nicolas Baumann Urban Conservation and Planning to SAHRA dated 31 October 2011 motivating approval.
3. Letter of approval from SAHRA dated 10 November 2011.
4. The Revised alignment/deviation (Consultant's Plan No. 21097KPO/LS/1, undated).
5. MR 191 Alt. 6 (aerial).
6. Site photographs.

ATTACHMENT 1
Landscape Concept



MR191 / R45
LANDSCAPE CONCEPT rev02 (PLAN2)
 SCALE 1:100 @ A3 1:3000 @ A2

CndVafica
 CONSULTING ARCHITECTS, PLANNERS & DESIGNERS
 UNIT 101, 10th Floor, 11th Street, Century City, Cape Town
 Tel: +27 21 680 2600 | Fax: +27 21 680 2601
 www.cndvafica.com | info@cndvafica.com

ONGV
 GREEN INFRASTRUCTURE CONSULTING
 18 BLACKBURN ROAD, SANDHURST, CAPE TOWN
 AND REMAINS THE PROPERTY OF THE LANDSCAPE ARCHITECTS

ATTACHMENT 2
MR191 Heritage Comment

NICOLAS BAUMANN
URBAN CONSERVATION & PLANNING
43 GLEN CRESCENT HIGGOVALE CAPE TOWN 8001

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Cell: 083 3083 900
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MR 191 (R45): HERITAGE COMMENT ON LANDSCAPE PLAN (REV. 1) DATED 26 OCTOBER 2011 BY TANYA DE VILLIERS, CNDV AFRICA PLANNING AND DESIGN

This heritage comment is in response to a series of landscaping proposals related to the upgrading and road widening of MR 191 (R45) between the R101 (Paarl) and the R310 (Hellshoogte turnoff).

1. NATURE OF INTERVENTION

The road widening will occur within the present road reserve. Lanes are to be increased to 3.7 m from the existing 3.0 m and 2.0 m shoulders are to be provided. A new pedestrian path is proposed. The length of road which will be affected is approximately 9.57 km. (Refer attached location plan).

2. NATURE OF HERITAGE SIGNIFICANCE

The road traverses a landscape of considerable cultural historical and scenic significance. Land grants in the scenic corridor date from the late eighteenth century and the related built form reflects the rich layering of the landscape from this period. Many of the historical farm werfs are located on the terrace to the west of the Berg River and do not have a visual spatial relationship with the MR 191. Heritage resources which do have a visual spatial relationship with the MR 191 have been identified in the Drakenstein Heritage Survey and have been mapped in the attached documentation. They include, inter alia, the old railway bridge adjacent to the R101, the farm werfs at Keunenberg, Keunienburgh and Riverside, the Het Stigt school complex (PHS), the Simondium station, various railway cottages and farm cottages and the small commercial node at Simondium. Significant lateral views of the Klein Drakenstein and Simonsberg mountain have also been identified and mapped and have a significant clump of trees.

3. POTENTIAL HERITAGE ISSUES /INDICATORS

The heritage practitioner has had a number of interactions with the project team including PGWC, the road engineers, the environmental consultants and the landscape architect, Tanya De Villiers of DNDV Africa and Planning, to ensure that the landscaping proposals address the heritage issues identified. These issues include, inter alia, the need for hard and soft landscaping interventions to respond positively to the following:

- Acknowledge that the route traverses areas of particular cultural historical significance and ensure that road engineering interventions and landscaping treatments respond accordingly in terms of threshold conditions and surface and edge treatments.

- Retain identified sites of heritage significance i.e. the need to bypass the historical railway bridge (circa.1860).
- Retain significant tree belts, e.g. the row of mature gums at Simondium.
- Celebrate significant landscape features such as river crossings with appropriate signage and edge treatments.
- Ensure that significant, dramatic mountain and valley view corridors are retained and enhanced by appropriate tree planting, for instance the view southwards across the Berg River valley from the rise to the south of the brickworks.
- Ensure that the visual spatial relationships with the identified heritage resources within the scenic corridor are enhanced.
- Ensure that kerb and channel treatments are kept to a minimum, and that as low a profile as possible is used to allow the road to integrate with the surrounding landscape to as great an extent as possible.
- Use stone pitched channels when possible.
- Ensure that visual clutter is kept to a minimum and that elements such as street lighting standards are neutral in character and design conception.
- Implement an appropriate maintenance programme for the proposed tree planting.

4. POTENTIAL HERITAGE IMPACTS

The landscape proposals dated 26 October 2011 are regarded as having addressed the abovementioned issues. While specific features such as the nature of kerb and channel treatments, signage and lighting will form part of the subsequent design process, the overall programme for tree planting and the celebration of key features such as the railway bridge, the Het Stigt complex and the commercial node at Simondium have been addressed. The visual spatial relationship with identified heritage resources within the visual corridor has been acknowledged and enhanced as have the significant long lateral view of the valley and mountain setting.

5. CONCLUSIONS AND RECOMMENDATIONS

The landscape proposals as illustrated in the figures dated 26 October 2011 to a large extent mitigate the potential negative impacts resulting from the proposed road widening. It is recommended that the heritage authorities and the Department of Environmental Affairs and Planning endorse the landscaping proposals as the minimum necessary mitigatory measures commensurate with the high heritage significance of the surrounding context.

Nicolas Baumann
31 October 2011

ATTACHMENT 3
R45 MR191 24 November 2011



**SOUTH AFRICAN HERITAGE
RESOURCES AGENCY**

BLOCK C, CASTLE OF GOOD HOPE, CAPE TOWN, 8000
PO BOX 2771, CAPE TOWN, 8001
TEL (021) 465 2198 - FAX (021) 465 5789

Our Ref: 9/2/084/181
Your Ref:
Enquiries: Mrs S Warnich-Stemmet
Date: 24 November 2011

Mr Nicolas Baumann
43 Glen Crescent
Higgovale
CAPE TOWN
8001

Email: urbancon@iafrica.com

Dear Mr Baumann

**APPLICATION FOR ROAD WIDENING AND PROPOSED LANDSCAPING WORK OF THE R45 MR 191 BETWEEN
PAARL AND FRANSCHHOEK PGWC CONTRACT C749.2 ,DWARS RIVER VALLEY, CAPE WINELANDS
CULTURAL LANDSCAPE**

The above application that was tabled at the SAHRA Built Environment and Landscape Committee (BELCom) meeting on 10 November 2011 refers.

The following plans and documents were tabled:

1. MR191/R45, Landscape Concept rev01 (Plan1), Scale 1:500@A0; 1:3000@ A2, Drawing number: 2107-02.CP-Rev 01, Date: 26 October 2011, by CnDVAfrica
2. MR191/R45, Landscape Concept rev01 (Plan2), Scale 1:500@A0; 1:3000@ A2, Drawing number: 2107-02.CP-Rev 01, Date: 26 October 2011, CnDVAfrica
3. MR191/R45, Entrance and Bridge Feature, Scale 1:500@A0; 1:3000@ A2, Drawing number: 2107-02.CP-Rev 01, Date: 18 October 2011, CnDVAfrica
4. MR191/R45, Simondium Feature, Scale 1:500@A0; 1:3000@ A2, Drawing number: 2107-02.CP-Rev 01, Date: 26 October 2011, CnDVAfrica

BELCom Decision:

The committee responded as follows:

The committee supports the recommendations of the impact assessor and the landscaping proposal as per the plans submitted.

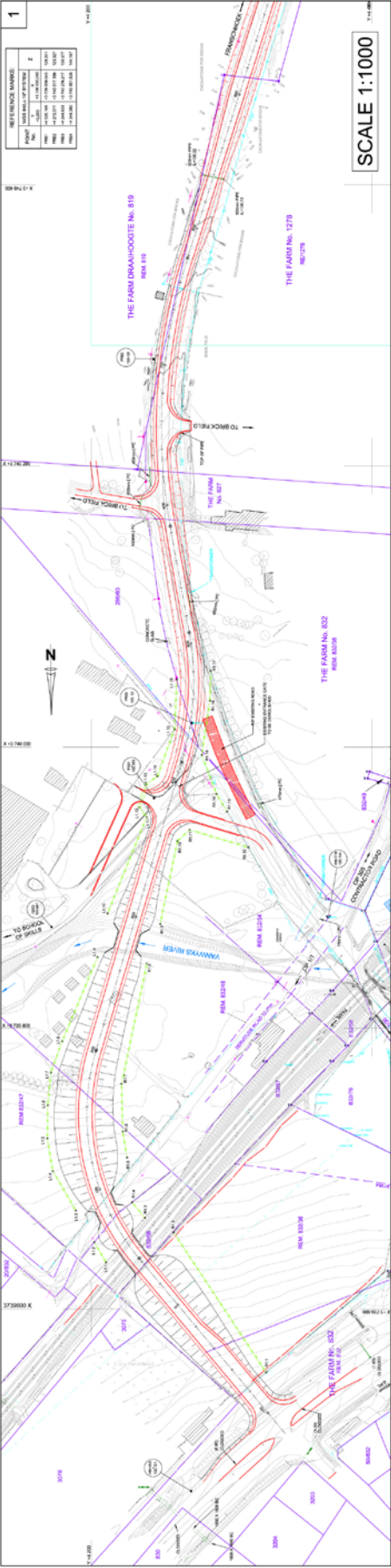
Should you have any queries in this regard to the BELCom, please do not hesitate to contact the acting Manager, Ms Sonja Warnich-Stemmet at swarnich@wc.sahra.org.za.

Yours sincerely

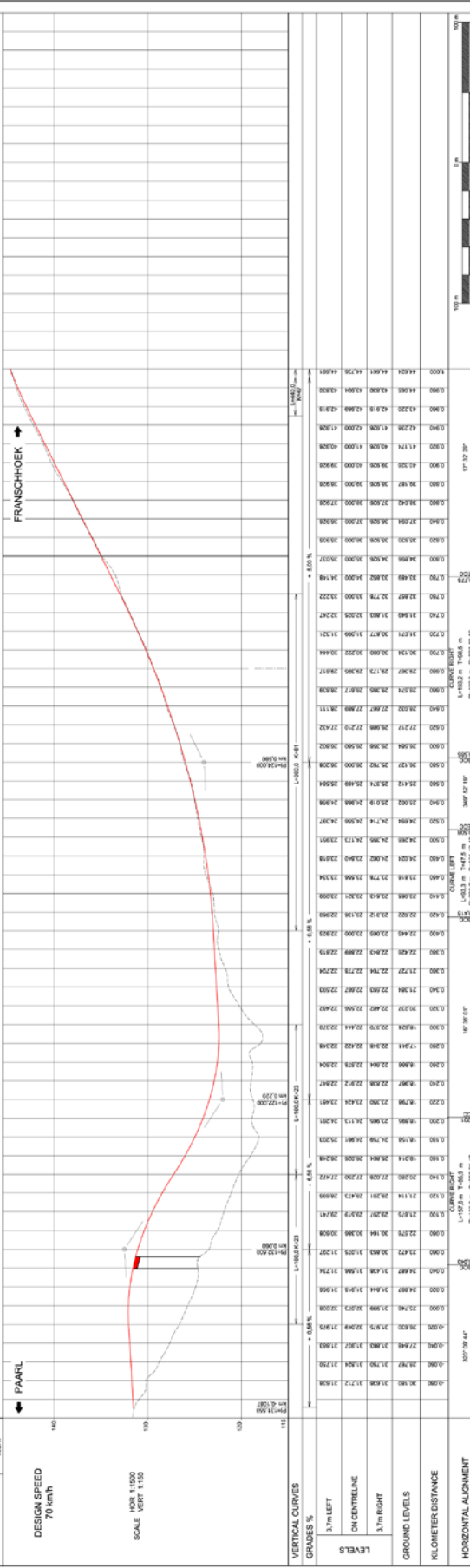
Sonja Warnich-Stemmet
ACTING MANAGER: SAHRA BUILT ENVIRONMENT DIVISION
For SAHRA BELCOM COMMITTEE

CC: Ms Colette Scheermeyer, SAHRA Archaeology, Palaeontology & Meteorites Unit Manager, scheermeyer@sahra.org.za
Chantelle Kok, Drakenstein Municipality, chantellek@drakenstein.gov.za
Drakenstein Heritage Foundation, Mr Len Raymond, dlrest@iafrica.com
Heritage Western Cape, Mr Andrew Hall, abhall@pgwc.gov.za
Tanya De Villiers, Landscape Architect, Tanya@condv.co.za

ATTACHMENT 4
Ls-1_21097KPO-LS1 Plan



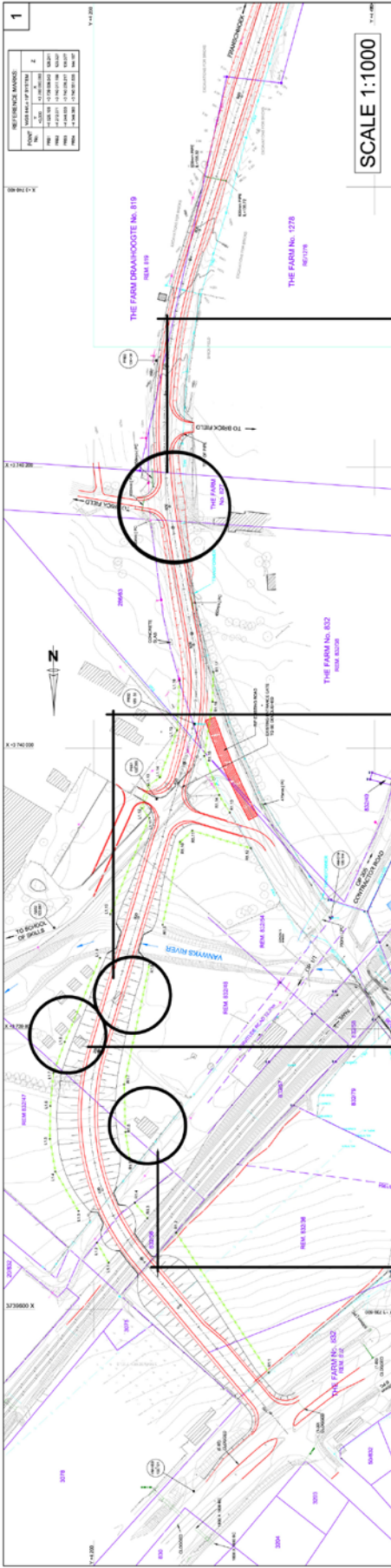
DRAINAGE	
NUMBER AND SIZE	NUMBER
GLANDALS	LEFT
RIGHT	RIGHT
BARRER LINES	LEFT
SUBSURFACE DRAIN	RIGHT
SEW DRAIN TYPE	LEFT
CULMING LINES	LEFT
	RIGHT



VERTICAL CURVES	
GRADES %	STATIONING
3.7% LEFT	0+00 - 0+40
CENTRELINE	0+40 - 0+60
3.7% RIGHT	0+60 - 0+80
GROUND LEVELS	
KILOMETER DISTANCE	
HORIZONTAL ALIGNMENT	
NO. DATE	REVISIONS AND COMMENTS
APPROVED: [Signature]	30/07/2017
DESIGNED BY: [Signature]	
CHECKED BY: [Signature]	
DRAWN BY: [Signature]	
PROJECT NO.:	135/12/1748.2
SCALE:	AS SHOWN
PROJECT NAME:	UPGRADING OF MAIN ROAD B91 (km 0.0 to km 0.57)
CLIENT:	PROVINCIAL GOVERNMENT OF THE WESTERN CAPE
DESIGNED BY:	ROADS AND TRANSPORT MANAGEMENT
CHECKED BY:	
DRAWN BY:	
PROJECT NO.:	135/12/1748.2
SCALE:	AS SHOWN
PROJECT NAME:	UPGRADING OF MAIN ROAD B91 (km 0.0 to km 0.57)
CLIENT:	PROVINCIAL GOVERNMENT OF THE WESTERN CAPE
DESIGNED BY:	ROADS AND TRANSPORT MANAGEMENT
CHECKED BY:	
DRAWN BY:	

ATTACHMENT 5

LS-1_21097KPO-LS1 Plan with photos



REFERENCE MARK	NO.	COORDINATES	HEIGHT
BM 1	1	2380000	1320
BM 2	2	2380000	1320
BM 3	3	2380000	1320
BM 4	4	2380000	1320
BM 5	5	2380000	1320
BM 6	6	2380000	1320
BM 7	7	2380000	1320
BM 8	8	2380000	1320
BM 9	9	2380000	1320
BM 10	10	2380000	1320

DRAINAGE	NUMBER AND SIZE
GUARDRAILS	NUMBER
	LEFT
	RIGHT
MARKERS	NUMBER
	LEFT
	RIGHT
BARRIER LINES	NUMBER
	LEFT
	RIGHT
SUBSURFACE DRAIN	NUMBER
	LEFT
	RIGHT
SIDE DRAIN TYPE	



VERTICAL CURVES	GRADES %	VERTICAL CURVE DATA
3.7m LEFT	-0.50%	L=100.00 m, PVI=2380000, ELEV=1320
CENTRELINE	-0.50%	L=100.00 m, PVI=2380000, ELEV=1320
3.7m RIGHT	-0.50%	L=100.00 m, PVI=2380000, ELEV=1320
GROUND LEVELS		
KILOMETER DISTANCE		

PROVINCIAL GOVERNMENT OF THE WESTERN CAPE
 DEPARTMENT OF TRANSPORT AND PUBLIC WORKS
 ROADS AND TRANSPORT MANAGEMENT

WORKPLAN
 PROJECT NO. 136/12/1-ZAB.2
 CONTRACT NO. C748/2
 DRAWING NO. 210019/01/1

SCALE: AS SHOWN
 MPA STRUCTURE PLAN NO.

PRELIMINARY FOR INFORMATION ONLY
 FOR APPROVAL FOR TENDER PURPOSES
 FOR CONSTRUCTION

LAYOUT PLAN AND LONGITUDINAL SECTION
 (Km 10.0 to Km 11.0)

APPROVED:
 PROJECT ENGINEER:
 DATE:

CONSULTING ENGINEER:
 DATE:

WorleyParsons
 PROJECT ENGINEER
 PROJECT NO. 136/12/1-ZAB.2
 CONTRACT NO. C748/2
 DRAWING NO. 210019/01/1

CHECKED BY:
 DRAWN BY:
 PROJECTED BY:

CORRECTIONS:
 DATE:
 BY:
 REASON:

NO. DATE ACTION AND COMMENTS
 CORR. NOS. PFE

ATTACHMENT 6
MR191 Alt6_Plan

