

Appendix E1:

**Heritage Western Cape Notice of
Intent to Develop as submitted and
Record of Decision**



**iLifa leMveli leNtshona Koloni
Erfenis Wes-Kaap
Heritage Western Cape**

HWC002/02/ED (4 Jul 14)

**NOTIFICATION
OF
INTENT
TO
DEVELOP**

Completion of this form is required by Heritage Western Cape for the initiation of all impact assessment processes under Section 38(1) & (8) of the National Heritage Resources Act (NHRA).

Whilst it is not a requirement, it may expedite processes and in particular avoid calls for additional information if certain of the information required in this form is provided by a heritage specialist/s with the necessary qualifications, skills and experience.

A. APPLICABILITY OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT (NEMA)

HWC Case Number:	DEADP Reference Number: Not yet received Project Title - Proposed Amandel Road Bridge Expansion Across the Bottelary River
NOTE 1: An HWC case number must be obtained and application fee paid in advance of submission of this form.	
NOTE 2: A DEADP (W Cape Dept. Environment Affairs & Development Planning) reference number must be included in all NHRA Section 38(8) processes where DEADP is the decision making authority under NEMA. The effect of this requirement is that the NEMA process must be initiated with DEADP prior to the NHRA process with HWC.	
If a DEADP reference number is not entered above please check one of the following boxes:	
<input checked="" type="checkbox"/>	This application is made in terms of Section 38(8) of the NHRA and an application under NEMA has been made to the following authority: Department of Environmental Affairs and Development Planning
<input type="checkbox"/>	This development will not require a NEMA application.
NOTE 3: Making an incorrect statement or providing incorrect information in this part of the form may result in all or part of the application having to be reconsidered by HWC in the future, or submission of a new application.	

B. BASIC DETAILS

PROPERTY DETAILS:

Name of property: Road Reserve 20968	
Street address or location (eg: off R44): The proposed bridge expansion is located along the Amandel Road where the current bridge crosses the Bottelary River in the Kuilsrivier residential area	
Erf or farm number/s: Road Reserve 20968	Coordinate s: 33 54' 58.09"S 18 41' 14.65"E (A logical centre point. Format based on WGS84.)
Town or District: Cape Town - Kuilsrivier	Responsible Municipality: City of Cape Town
Extent of property: 193205.79m ²	Current use: Transformed watercourse adjacent to existing bridge structure within the Kuilsrivier residential areas
Predominant land use/s of surrounding properties: Land use of areas directly adjacent to the development site: North – Amandel Road East – Bridge and watercourse South – Amandel Road	

West - Watercourse		
Landuse of broader areas - residential, school grounds and vacant undeveloped land.		
REGISTERED OWNER OF PROPERTY:		
Name City of Cape Town		
Address Private Bag X9181, Cape Town 8000		
Telephone 021 400 1330	Cell -	E-mail wynand.buhr@capetown.gov.za
By the submission of this form and all material submitted in support of this notification (ie: 'the material'), all applicant parties acknowledge that they are aware that the material and/or parts thereof will be put to the following uses and consent to such use being made: filing as a public record; presentations to committees, etc; inclusion in databases; inclusion on and downloading from websites; distribution to committee members and other stakeholders and any other use required in terms of powers, functions, duties and responsibilities allocated to Heritage Western Cape under the terms of the National Heritage Resources Act. Should restrictions on such use apply or if it is not possible to copy or lift information from any part of the digital version of the material, the material will be returned unprocessed.		
I confirm that I enclose with this form four hardcopies of all material submitted together with a CD ROM containing digital versions of all of the same.		

Signature of owner or authorised agent
(Agents must attach copy of power of attorney to this form.)

Date / / 20

DEVELOPMENT DETAILS:

Please indicate below which of the following Sections of the National Heritage Resources Act, or other legislation has triggered the need for notification of intent to develop.	
<input type="checkbox"/> S38(1)(a) Construction of a road, wall, powerline, pipeline, canal or other similar form of linear development or barrier over 300m in length.	S38(1)(c) Any development or activity that will change the character of a site - <input type="checkbox"/> (i) exceeding 5 000m ² in extent; <input type="checkbox"/> (ii) involving three or more existing erven or subdivisions thereof; <input type="checkbox"/> (iii) involving three or more erven or divisions thereof which have been consolidated within the past five years.
<input type="checkbox"/> S38(1)(b) Construction of a bridge or similar structure exceeding 50m in length.	
<input type="checkbox"/> S38(1)(d) Rezoning of a site exceeding 10 000m ² in extent.	
Other triggers, eg: in terms of other legislation, (ie: National Environment Management Act, etc.) Please set out details: Environmental Authorisation in terms of National Environmental Management Act, 1998 (Act No. 107 of 1998) <input checked="" type="checkbox"/>	If you have checked any of the three boxes above, describe how the proposed development will change the character of the site: Proposed bridge expansion within a urban area.

If an impact assessment process has also been / will be initiated in terms of other legislation please provide the following information:

Authority / government department (ie: consenting authority) to which information has been /will be submitted for final decision: Department of Environmental Affairs AND Department of Water and Sanitation

Present phase at which the process with that authority stands: Application for EIA Environmental Authorisation AND Water Use Authorisation to be submitted.

Provide a full description of the nature and extent of the proposed development or activity including its potential impacts (eg: changes in land use, envisaged timeframes, provision of additional bulk services, excavations, landscaping, total floor area, height of development, etc. etc.): The proposed bridge structure will be positioned adjacent (to the west) of the existing Amandel Road bridge. The intention is to have the new proposed structure separate from the existing bridge and approximately 1.8 m clearance between the proposed and existing structures. The levels of the proposed bridge will match the existing bridge levels very closely as a natural consequence of the road alignment.

The proposed bridge will be a conventionally reinforced concrete structure and will consist of footings, piers and abutments, deck, and parapets and end blocks that will match the existing bridge to maintain a cohesive appearance for the river crossing as a whole.

There will be a need for some minor retaining walls adjacent to the bridge, away from the river embankments but still within the road reserve, to retain the road fill embankment in areas where existing infrastructure needs to be protected.

The proposed bridge deck has overall dimensions of approximately 24.2 m long (measured from behind the abutment walls along the road centreline) by 14.2 m wide (measured transverse to the road centreline), resulting in a deck footprint at road level of approximately 343 m². The road (and by extension, the bridge) crosses the river at an approximate angle of 102 degrees (as opposed to 90 degrees for a road crossing transverse to the direction of flow). The deck therefore has a skew angle of 12 degrees.

The parapets and end blocks to the proposed bridge extends approximately 6 m past the back of the abutment walls, secured to wing walls parallel to the road centreline. Additional retaining walls immediately beyond the end blocks and to the downstream side of the proposed bridge will retain portions of the road fill. On the northern side the wall will act as headwall for the extension of an existing storm water pipe that discharges into a channel joining the river. On the southern side the wall will keep fill material clear of an existing sewer manhole cover.

The extent of the foundations is yet to be determined. A geotechnical investigation will be conducted to confirm founding conditions and allowable soil bearing pressures. The site is expected to be underlain by sand, as is typically the case in the area. Should founding conditions prove to be favourable, conventional pad footings will be employed to support the bridge structure. If founding conditions are found to be poor pile foundations may have to be installed down to suitable rock strata below the sand layers.

The foundation types as described above are not expected to result in significantly different working areas within the river and on the embankments. The expected area that will be disturbed by the proposed bridge construction activities will be directly downstream of the existing bridge structure and will measure approximately 19 m (measured transverse to the existing bridge edge, in the direction of the flow of the river) by 42 m (measured along the road centreline), approximately 800 m² in total.

Further to the north of this area, the roof slab to an existing valve chamber will need to be revised due

to the road embankment fill material.

It is proposed that the area under the proposed new bridge be lined with reno mattresses to facilitate the protection of the bridge foundations against scouring as well as to allow silting up and establishment of natural vegetation in this area.

The proposed bridge structure is not a very complex structure to construct (other than dealing with construction activities within an existing riverbed). It is therefore anticipated that the proposed bridge structure can be completed within a period of six months.

C. HERITAGE RESOURCES AND IMPACTS THEREUPON

Section 3 of the National Heritage Resources Act sets out the following categories of heritage resource as forming part of the national estate. Please indicate the known presence of any of these by checking the box alongside and then providing a description of each occurrence, including nature, location, size, type

Failure to provide sufficient detail or to anticipate the likely presence of heritage resources on the site may lead to a request for more detailed specialist information.

(The assistance of relevant heritage professionals is particularly relevant in completing this section.)

Provide a short history of the site and its environs (Include sources where available): The proposed bridge expansion area has previously been impacted upon by urban and infrastructure development activities and is located within the existing road reserve. There are no features of heritage significance which will be impacted upon by the proposed developments and the site is located within a area surrounded by urban developments.

Please indicate which heritage resources exist on the site and in its environs, describe them and indicate the nature of any impact upon them:

<input type="checkbox"/>	<p>Places, buildings, structures and equipment of cultural significance</p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input type="checkbox"/>	<p>Places to which oral traditions are attached or which are associated with living heritage</p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input type="checkbox"/>	<p>Historical settlements and townscapes</p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input checked="" type="checkbox"/>	<p>Landscapes and natural features of cultural significance</p> <p>Description of resource: The watercourse area to be impacted upon by the development has been previously impacted upon and transformed by urban and infrastructure development and is transformed and overgrown with Phragmites reeds.</p> <p>Description of impact on heritage resource: Current hydrological connectivity and processes will be maintained during and after construction activities therefore it is not expected that the proposed bridge expansion will have any significant detrimental impact on the watercourse nor its functioning as is.</p>
<input type="checkbox"/>	<p>Geological resources of scientific or cultural importance</p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>

<input type="checkbox"/>	Archaeological resources (including archaeological sites and material, rock art, battlefields & wrecks): Description of resource: Description of impact on heritage resource:
<input type="checkbox"/>	Palaeontological resources (ie: fossils): Description of resource: Description of impact on heritage resource:
<input type="checkbox"/>	Graves and burial grounds (eg: ancestral graves, graves of victims of conflict, historical graves & cemeteries): Description of Resource: Description of Impact on Heritage Resource:
<input type="checkbox"/>	Other human remains: Description of resource: Description of impact on heritage resource:
<input type="checkbox"/>	Sites of significance relating to the history of slavery in South Africa: Description of resource: Description of impact on heritage resource:
<input type="checkbox"/>	Other heritage resources: Description of resource: Description of impact on heritage resource:

Describe elements in the environs of the site that could be deemed to be heritage resources:
Listed above

Description of impacts on heritage resources in the environs of the site:
Impacts on possible heritage resource as listed above.

Summary of anticipated impacts on heritage resources:
Listed above.

ILLUSTRATIVE MATERIAL (This form will not be processed unless the following are included):

Attach to this form a minimum A4 sized locality plan showing the boundaries of the area affected by the proposed development, its environs, property boundaries and a scale. The plan must be of a scale and size that is appropriate to creating a clear understanding of the development.

Attach also other relevant graphic material such as maps, site plans, satellite photographs and photographs of the site and the heritage resources on it and in its environs. These are essential to the processing of this notification.

Please provide all graphic material on paper of appropriate size and on CD ROM in JPEG format. It is essential that graphic material be annotated via titles on the photographs, map names and numbers, names of files and/or provision of a numbered list describing what is visible in each image.

D. RECOMMENDATION

In your opinion do you believe that a heritage impact assessment is required? Yes No

Recommendation made by: Name Johmandie Pienaar Capacity Environmental Assessment Practitioner
PLEASE NOTE: No Heritage Impact Assessment should be submitted with this form or conducted until Heritage Western Cape has expressed its opinion on the need for such and the nature thereof.

E. INFORMATION TO BE PROVIDED AND STUDIES TO BE CONDUCTED AS PART OF THE HERITAGE IMPACT ASSESSMENT (HIA)
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If it is recommended that an HIA is required please complete this section of the form.
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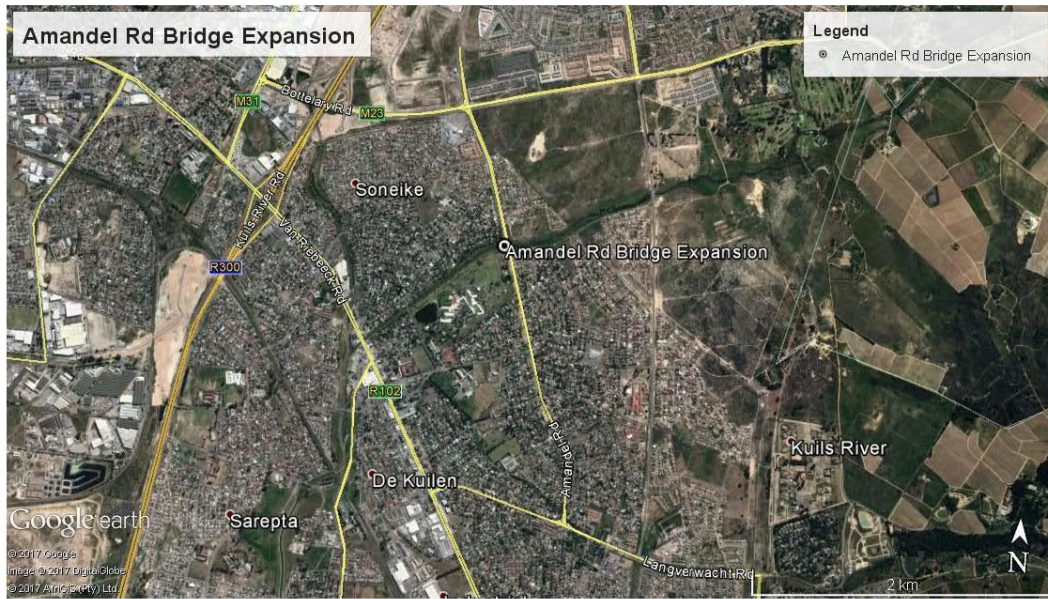
DETAILS OF HERITAGE PRACTITIONERS AND SPECIALISTS INTENDING TO CONDUCT THE HIA:			
1.	Name of individual:	Name of Practice:	Area of specialisation:
	Qualifications:		
	Experience:		
	Standing in heritage resource management:		
	E-mail Address:	Telephone:	Cell:
2.	Name of individual:	Name of Practice:	Area of specialisation:
	Qualifications:		
	Experience:		
	Standing in heritage resource management:		
	E-mail Address:	Telephone:	Cell:
3.	Name of individual:	Name of Practice:	Area of specialisation:
	Qualifications:		
	Experience:		
	Standing in heritage resource management:		
	E-mail Address:	Telephone:	Cell:
4.	Name of individual:	Name of Practice:	Area of specialisation:
	Qualifications:		
	Experience:		
	Standing in heritage resource management:		
	E-mail Address:	Telephone:	Cell:

5.	Name of individual:	Name of Practice:	Area of specialisation:
	Qualifications:		
	Experience:		
	Standing in heritage resource management:		
	E-mail Address:	Telephone:	Cell:
If this submission is made in terms of Section 38(8) of the National Heritage Resources Act indicate below the particulars of the principle environmental consultant on the project.			
Name of individual: Johmandie Pienaar Name of Practice: Eco Impact Legal Consulting Area of specialisation: Environmental Assessment Practitioner and Biodiversity Specialist			
E-mail Address: johmandie@ecoimpact.co.za & admin@ecoimpact.co.za Telephone: 021 671 1660 Fax: .021 671 9976 Cell: 072 240 3092			
Postal Address: PO Box 45070 Claremont South Africa 7735			

DETAILS OF STUDIES TO BE CONDUCTED IN THE INTENDED HIA

In addition to the requirements set out in Section 38(3) of the NHRA, indicate envisaged studies:	
<input type="checkbox"/>	Heritage resource-related guidelines and policies.
<input type="checkbox"/>	Local authority planning and other laws and policies.
<input type="checkbox"/>	Details of parties, communities, etc. to be consulted.
<input type="checkbox"/>	Specialist studies, eg: archaeology, palaeontology, architecture, townscape, visual impact, etc. Provide details:
<input type="checkbox"/>	Other. Provide details:
PLEASE NOTE: Any further studies which Heritage Western Cape may resolve should be submitted must be in the form of a single, consolidated report with a single set of recommendations. Specialist studies must be incorporated in full, either as chapters of the report, or as annexures thereto.	

MAPS



Map 1: Locality of proposed Amandel Rd Bridge Expansion in Kuils River



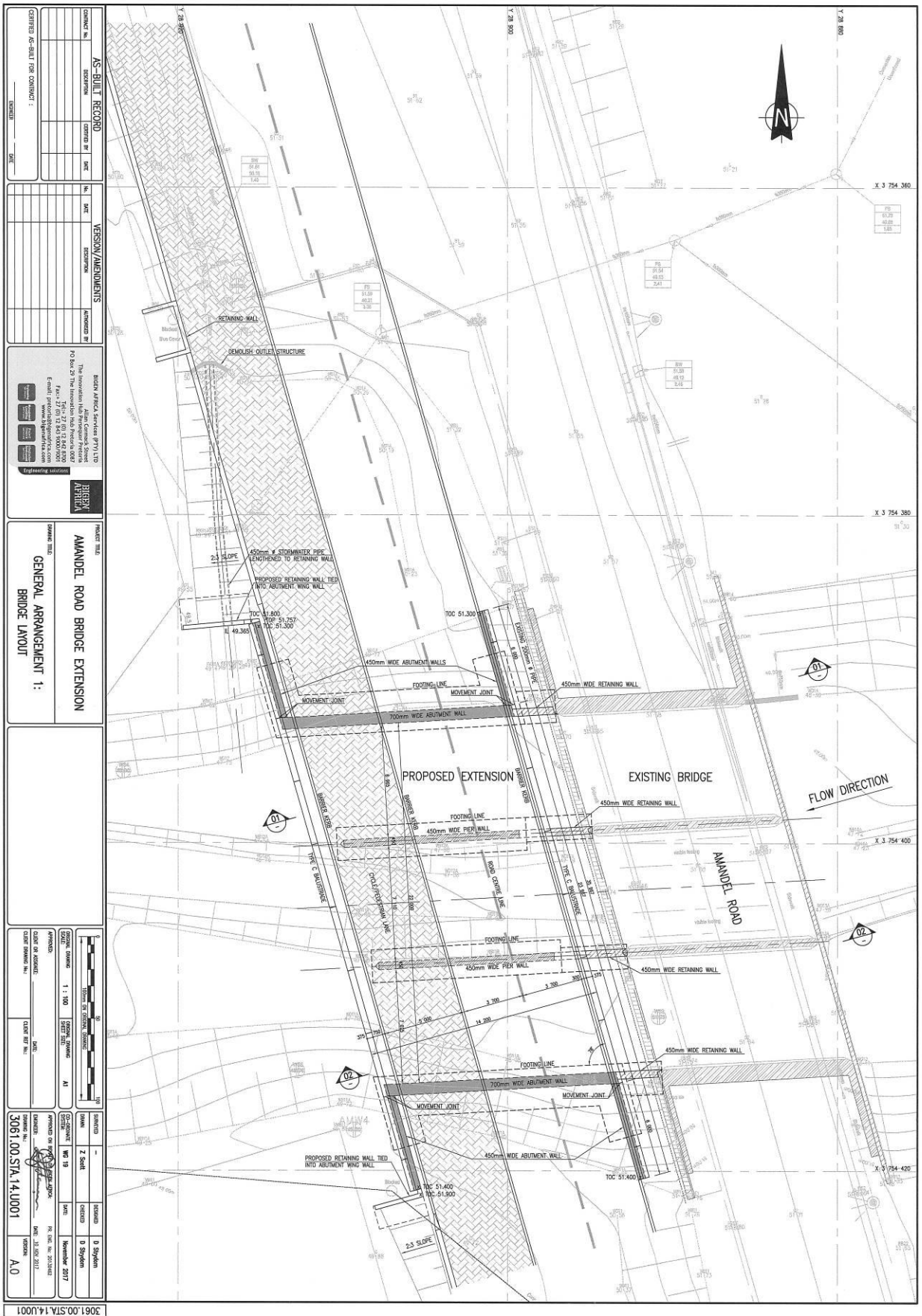
Map 2: Proposed Saxdowns road upgrade in Kuils River



Map 3: 2017 City of Cape Town Biodiversity Network 2017 map indicating mapped wetlands as according and terrestrial and aquatic Critical Biodiversity Areas ("CBAs") and Ecological Support Areas ("ESAs") in relation to the Amandel Road bridge expansion as proposed

(TO BE PRINTED AND INSERTED AS A3 MAPS)

Map 4: Amandel Road bridge expansion layout map and designs



AS-BUILT RECORD			
CONTRACT NO.	RESPONSE	DATE	BY

VERSION/AMENDMENTS			
NO.	DATE	RESPONSE	APPROVED BY

AFRICA

The Project is managed by the Project Manager for the Client. The Project Manager is responsible for the overall management of the project. The Project Manager is responsible for the overall management of the project.

AFRICA

Project Manager: **AFRICA**

Project Engineer: **AFRICA**

Project Surveyor: **AFRICA**

Project Drafter: **AFRICA**

PROJECT TITLE

AMANZEL ROAD BRIDGE EXTENSION

GENERAL ARRANGEMENT 1: BRIDGE LAYOUT

PROPOSED EXTENSION

EXISTING BRIDGE

AMANZEL ROAD

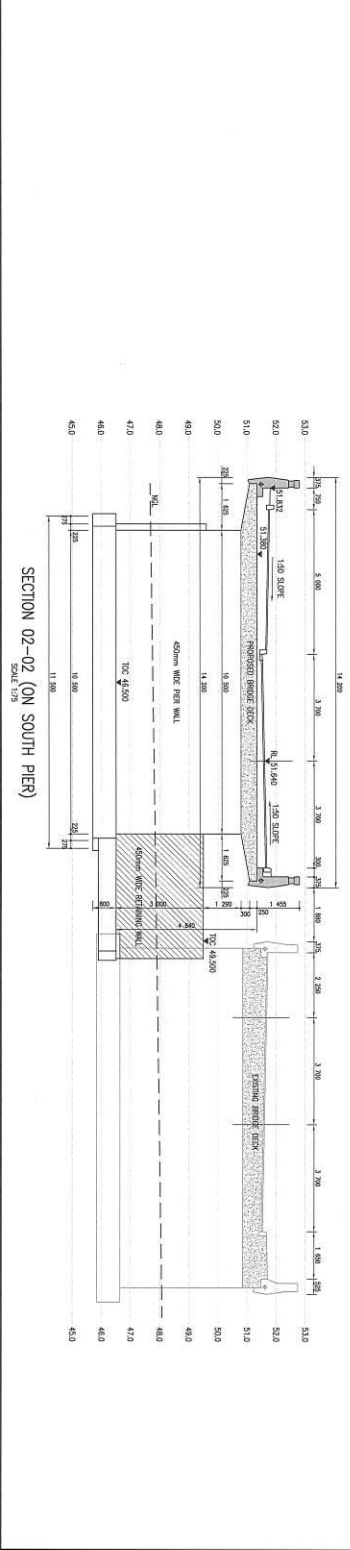
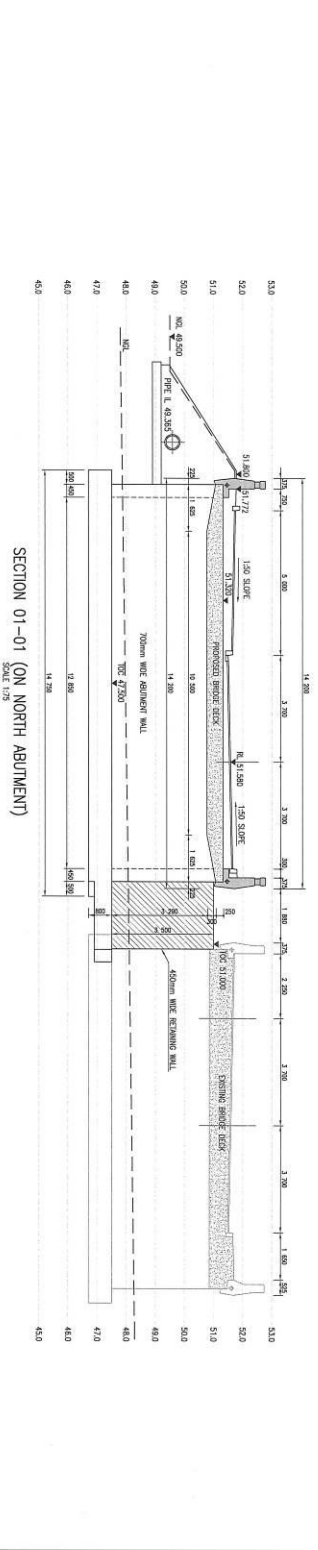
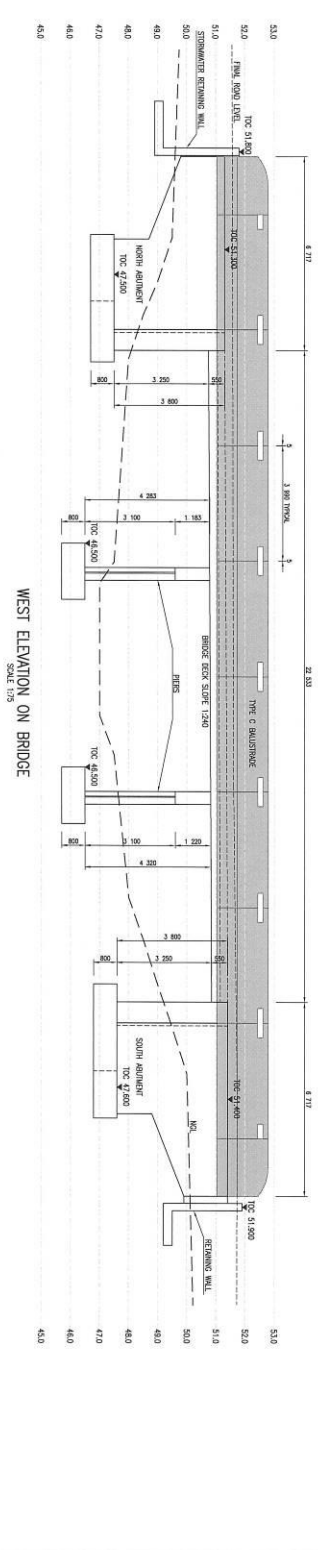
FLOW DIRECTION

SCALE	DATE	BY
1:500		

NO.	DATE	RESPONSE	APPROVED BY

3061.00 STA. 14.0001

A.0



AS-BUILT RECORD		VERSION/AMENDMENTS		BRIDGE APPROVAL RECORD	
CONTRACT NO.	DESCRIPTION	DATE	BY	DATE	DESCRIPTION
GENERAL ARRANGEMENT 2: BRIDGE ELEVATION AND SECTIONS PROJECT: AMANDEL ROAD BRIDGE EXTENSION DRAWING TITLE: GENERAL ARRANGEMENT 2: BRIDGE ELEVATION AND SECTIONS SCALE: 1:25		PROJECT: AMANDEL ROAD BRIDGE EXTENSION DRAWING TITLE: GENERAL ARRANGEMENT 2: BRIDGE ELEVATION AND SECTIONS SCALE: 1:25		PROJECT: AMANDEL ROAD BRIDGE EXTENSION DRAWING TITLE: GENERAL ARRANGEMENT 2: BRIDGE ELEVATION AND SECTIONS SCALE: 1:25	
DATE	BY	DATE	BY	DATE	BY
CONTRACT NO. _____ DESCRIPTION _____ DATE _____ BY _____ CHECKED BY _____ DATE _____ BY _____		CONTRACT NO. _____ DESCRIPTION _____ DATE _____ BY _____ CHECKED BY _____ DATE _____ BY _____		CONTRACT NO. _____ DESCRIPTION _____ DATE _____ BY _____ CHECKED BY _____ DATE _____ BY _____	

3061.00 STA. 14.0001

SITE PHOTOS

Site photos of proposed Amandel Rd bridge expansion area as taken 19 April 2017



Site Photo 1: Existing bridge and proposed development area.



Site Photo 2: Existing bridge and transformed watercourse area to be impacted upon by proposed development.



Site Photo 3: Transformed watercourse area directly downstream of proposed development area.



REGISTERED POST

Our Ref: HM/CITY OF CAPE TOWN METROPOLITAN /KUILSRIVIER /
ROAD RESERVE 20968
Case No.: 17112004ZK1124E
Enquiries: Zethembe Khuluse
E-mail: zethembe.khuluse@westerncape.gov.za
Tel: 021 483 9685
Date: 12 December 2017

City of Cape Town
Private Bag X9181
Cape Town
8000
Wynand.buhr@capetown.gov.za

RESPONSE TO NOTIFICATION OF INTENT TO DEVELOP: FINAL
In terms of Section 38(8) of the National Heritage Resources Act (Act 25 of 1999) and the Western Cape
Provincial Gazette 6061, Notice 298 of 2003

NOTIFICATION OF INTENT TO DEVELOP: PROPOSED BRIDGE EXPANSION WITH OVERALL DIMENSION OF 24.2m X 14.2m & APPROXIMATELY 1.8M CLEARANCE BETWEEN THE PROPOSED AND THE EXISTING STRUCTURES ON ROAD RESERVE 20968, SUBMITTED IN TERMS OF SECTION 38(8) OF THE NATIONAL HERITAGE RESOURCES ACT (ACT 25 OF 1999)

CASE NUMBER: 17112004ZK1124E

The matter above has reference.

Heritage Western Cape is in receipt of your application for the above matter received on 17 November 2017.

You are hereby notified that, since there is no reason to believe that the proposed bridge expansion with overall dimension of 24.2m x 14.2m & approximately 1.8m clearance between the proposed and the existing structures on road reserve 20968, **will not impact** on heritage resources, no further action under Section 38 of the National Heritage Resources Act (Act 25 of 1999) is required.

However, should any heritage resources, including evidence of graves and human burials, archaeological material and paleontological material be discovered during the execution of the activities above, all works must be stopped immediately and Heritage Western Cape must be notified without delay.

This letter does not exonerate the applicant from obtaining any necessary approval from any other applicable statutory authority.

HWC reserves the right to request additional information as required.

Should you have any further queries, please contact the official above and quote the case number.

Yours faithfully


Mr. Mxolisi Dlamuka
Chief Executive Officer, Heritage Western Cape

www.westerncape.gov.za/cas

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