



iLifa leMveli leNtshona Koloni
Erfenis Wes-Kaap
Heritage Western Cape

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: Fee Ref Nr: 1604133837

DEADP Reference Number:

14/2/4/2/2/B5/14/0014/19

NOTE: 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:

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: Development Management.

This development will not require a NEMA application.

NOTE: 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: Portion 1 of Farm Bloubank No 52

Street address or location (eg: off R44): The study area lies within the Tulbagh Valley in the Witzenberg Municipal Area and is surrounded by the Groot Winterhoek Mountains. The farm is approximately nine kilometres due north of the village of Tulbagh and is accessed via the Winterhoek Road and the DR1474 Divisional Road.

Erf or farm number/s: Portion 1 of Farm Bloubank No 52

Coordinates: 33° 12' 34.32"S 19° 09' 32.83"E
(A logical centre point. Format based on WGS84.)

Town or District: Tulbagh

Responsible Municipality: Witzenberg Municipality

Extent of property: 49.78ha

Current use: Culvert bridge over a un-named tributary on a farm

Predominant land use/s of surrounding properties:

Cultivated agricultural land, un-named watercourse and farmstead with farm houses and sheds.

REGISTERED OWNER OF PROPERTY:

Name Bloubank Boerdery Trust

Address Die Orffer Landgoed, Bloubank Plaas 1, Tulbagh 6820		
Telephone 023 230 0753	Cell 082 595 1263	E-mail dol@bloubank.co.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 / / 2019

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.	
<input checked="" type="checkbox"/> Other triggers, eg: in terms of other legislation, (ie: National Environment Management Act, etc.) Please set out details: Environmental Authorisation in terms of NEMA and Water Use Authorisation in terms of NWA	If you have checked any of the three boxes above, describe how the proposed development will change the character of the site: A culvert bridge was constructed over a un-named tributary along a road reserve which requires environmental authorisation under NEMA due to the infilling and/or dredging of more than 5 cubic metres of material into and/or from the watercourse.

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 Development Planning Development Management and Breede Gouritz Catchment Management Agency

Present phase at which the process with that authority stands: S24G Application for Environmental Authorisation submitted to DEA&DP and Water Use Authorisation to be submitted to the BGCMA.

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.): To facilitate the movement of larger vehicles within a road servitude, the owners of Portions 1 of Farm Bloubank No. 52 in the Tulbagh Valley upgraded the road crossing over a small unnamed stream on the property in 2017. The crossing was constructed in a tributary of Klein Berg River (G10E quaternary catchment) in the Berg River System. Note- Historically the crossing was an informal gravel stream crossing as part of the road servitude before the formal culvert bridge crossing was constructed in June 2017.

The crossing consists of box culverts and the bridge has a surface area of 9.6m².

Although the bridge has already been constructed the following rehabilitation and maintenance activities are proposed at the bridge site and within a 300m section of the affected tributary to improve the current condition of the affected watercourse site and surrounds:

- Rubble and debris from construction activities that have been undertaken at the crossing should be removed.
- The stream banks should be cleared of exotic and in particular invasive alien plants. The invasive alien kikuyu grass in particular should be kept out of the riparian zone as it destabilises the river banks. It should be replaced by indigenous grasses such as kweek (*Cynodon dactylon*). This should be undertaken during the dry season but following rainfall events when the soil is moist. Weedy shrubs and small invasive alien saplings occurring along the stream banks within the disturbed area at the crossing should be hand pulled. Should this not be possible for some of the large plants, the plants should be sprayed with a foliar herbicide. Regular follow-up uprooting of new seedlings or follow-up herbicide spraying of coppicing stumps should be undertaken.
- Immediately following the clearing of exotic and invasive alien plants, the banks should be revegetated with local indigenous riparian vegetation such as wild olive trees (*Olea europaea* subsp *africana*), Cape willows (*Salix mucronata*), wild almond (*Brabejum stellatifolium*), waterwitels (*Brachylaena neriifolia*), willow karee (*Searsia augustifolia*), lance-leaved myrtle (*Metrosideros angustifolia*), kruidjie-roer-my-nie (*Melianthus major*), fountain bush (*Cliffortia strobilifera*), water sedge (*Isolepis prolifera*), spiny rush (*Juncus acutus*), cobra lilies (*Chasmanthes aethiopica*), arum lilies and palmiet (*Prionium serratum*).
- Storm water discharge from along the road should not be discharged into the stream at the structures as it is likely to result in erosion at the bridge. The road should shaped ensure that the concentration/intensity of runoff along the road is reduced to dissipate the energy and erosion potential of the flow from the road into the stream at the crossing.
- Clean topsoil (not containing invasive alien plant seed or rubble/waste) should be placed over the dumped bricks at the crossing and vegetated to cover the stabilised area adjacent to the crossing. A ground cover such as hottentot-fig (*Carpobrotus edulis*) or indigenous grass such as kweek could be planted in this area.

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 naturally occurring vegetation type at the site is mapped as Breede Shale Fynbos. It is considered to be a vulnerable vegetation type. The natural vegetation adjacent to and within the stream has largely been removed with open areas and exotic grasses occurring within the area currently. Within the stream channel upstream of the road crossing alien nasturtiums (*Tropaeolum majus*) occur together with weedy shrubs and exotic grasses and some arum lilies (*Zantedeschia aethiopica*). Downstream of the crossing, a mix of indigenous and exotic vegetation occurs. Indigenous vegetation consists of wild olive trees (*Olea europaea subsp africana*), arum lilies, kruidjie-roer-my-nie (*Melianthus major*), fountain bush (*Cliffortia strobilifera*), water sedge (*Isolepis prolifera*), cut grass (*Bolboschoenus glaucus*), spiny rush (*Juncus acutus*), cobra lilies (*Chasmanthes aethiopica*) and bulrushes (*Typha capensis*). Exotic plants include English oak trees (*Quercus robur*), black wattle (*Acacia mearnsii*), red sesbania (*Sesbania punicea*), weeping willows (*Salix babylonica*), swamp cypress (*Taxodium distichum*), cocklebur (*Xanthium strumarium*), Zimbabwe creeper (*Podranea brycei*) and dock (*Rumex crispus*).

The ecological condition of the stream at the site is considered to be in a moderately modified within the channel and seriously modified along the riparian areas due largely to the surrounding agricultural activities. The ecological importance and sensitivity of the stream is moderate. Aerial images taken within the past 50 years show that there has been very little alteration to the channel course or the surrounding land cover for this period. The small farm dam on the northern bank of the stream was constructed after 1966 but before 1980. An informal crossing has been used from time to time through the stream at the site.

The works associated with the culvert structure that has been constructed at the road crossing has largely only resulted in limited change to the bed and banks of the unnamed stream at the site. Considering the history of modification of the river channel as a result of the surrounding agricultural activities and the existing ecological state of the stream, this impact is of a low significance. The structure has sufficient capacity that it is unlikely that it will result in any impedance or diversion of flow in the stream.

The main impacts of the works undertaken are thus a modification/loss of aquatic habitat. With some rehabilitation of the site, this impact could be reduced to being of a very low significance with the potential for a positive impact on the existing ecological condition of the watercourse at the site.

The Department of Water and Sanitation risk rating was also determined to be low. It is thus recommended that, if DWS requires that the activity be authorised as a water use, it be authorised under the General Authorisations for Section 21 (c) and (i) of the National Water Act.

(Information was sourced from the S24G Impact Assessment Report and the Freshwater Opinion Report as was done for the constructed bridge, a copy of these reports have been submitted to the HWC with the NID for perusal)

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"/>	Places, buildings, structures and equipment of cultural significance Description of resource: Description of impact on heritage resource:
<input type="checkbox"/>	Places to which oral traditions are attached or which are associated with living heritage Description of resource: Description of impact on heritage resource:
<input type="checkbox"/>	Historical settlements and townscapes Description of resource: Description of impact on heritage resource:
<input type="checkbox"/>	Landscapes and natural features of cultural significance Description of resource: Description of impact on heritage resource:
<input type="checkbox"/>	Geological resources of scientific or cultural importance Description of resource: Description of impact on heritage resource:
<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: No significant heritage resources are present on site or within close proximity to the site.

Description of impacts on heritage resources in the environs of the site: It is not expected that the development of the culvert bridge had any impact on any heritage resources as it was constructed within a road servitude which was already a informal watercourse crossing and it is not expected that the proposed rehabilitation and maintenance activities will have any impact on heritage resources and it is aimed to improve the current condition of the watercourse and surrounds.

Summary of anticipated impacts on heritage resources: No impact on heritage resources are anticipated by the proposed development.

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)

If it is recommended that an HIA is required please complete this section of the form.

DETAILS OF HERITAGE PRACTITIONERS AND SPECIALISTS INTENDING TO CONDUCT THE HIA:

	Name of individual:	Name of Practice:	Area of specialisation:
1.	Qualifications:		
	Experience:		
	Standing in heritage resource management:		
	E-mail Address:	Telephone:	Cell:

2.	Name of individual: Qualifications: Experience: Standing in heritage resource management: E-mail Address: Telephone: Cell:	Name of Practice: Telephone: Cell:	Area of specialisation: Cell:
3.	Name of individual: Qualifications: Experience: Standing in heritage resource management: E-mail Address: Telephone: Cell:	Name of Practice: Telephone: Cell:	Area of specialisation: Cell:
4.	Name of individual: Qualifications: Experience: Standing in heritage resource management: E-mail Address: Telephone: Cell:	Name of Practice: Telephone: Cell:	Area of specialisation: Cell:
5.	Name of individual: Qualifications: Experience: Standing in heritage resource management: E-mail Address: Telephone: Cell:	Name of Practice: Telephone: Cell:	Area of specialisation: 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 (Pty) Ltd Area of specialisation: Environmental Assessment Practitioner E-mail Address: admin@ecoimpact.co.za Telephone: 021 671 1660 Cell: 072 240 3092 Postal Address: PO Box 45070, Claremont, 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.	