



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: Pending

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:

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: **Farm van der Wattskraal and Remainder of 234**

Street address or location (eg: off R44): **Off N2, Swellendam Municipality**

Erf or farm number/s: **3/394; 5/394; Re of 234**

Coordinates: **-34.09588333333333 ; 20.036758333333335**

(A logical centre point. Format based on WGS84.)

Town or District: **Riviersonderend**

Responsible Municipality: **Swellendam**

Extent of property: **1062.37 ha**

Current use: **Agriculture**

Predominant land use/s of surrounding properties: **Agriculture**

REGISTERED OWNER OF PROPERTY:

Name		
Address		
Telephone	Cell	E-mail
<p>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.</p>		
<p>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.</p>		

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

Date / / 20

DEVELOPMENT DETAILS:

<p>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.</p>	
<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.	<p>S38(1)(c) Any development or activity that will change the character of a site -</p> <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: NEMA	<p>If you have checked any of the three boxes above, describe how the proposed development will change the character of the site:</p>

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:

Present phase at which the process with that authority stands:

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 applicant proposes to construct a dam on Portions 3 and 5 of the farm Van der Wattskraal 394 for the irrigation of a variety of nuts cultivated as part of a Broad-Based Black Economic Empowerment (BBBEE) project. The water will be abstracted from a natural watercourse at the Eksteenskloof weir located on the adjacent property (remaining extent of Farm 234), and piped to the dam during winter only.

The Eksteenskloof weir requires reconstruction following a flood event in 2008, which will be rebuilt to a maximum height of $\pm 2,2\text{m}$, a total length in the order of $\pm 35\text{m}$ and a top width of $\pm 300\text{mm}$, on a $3,6\text{m}$ wide foundation. The proposed dam will involve the construction of a zoned earth fill dam with a gross capacity in the order of $\pm 330\,000\text{m}^3$ including an open channel spillway and piped outlet works. The embankment will have a maximum height of $\pm 14\text{m}$, a total length in the order of $\pm 519\text{m}$ and a crest width of $\pm 4\text{m}$. The bulk of the embankment earth fill would come from inside the dam basin below the full supply level.

A new pipeline, approximately 300 – 350 metres in length and 300 mm in diameter, will be constructed to feed water from the weir to the storage dam. The pipeline, with construction footprint of 5 metres, will have a total footprint of $\pm 0.175\text{ ha}$.

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 presence of water in this area has meant that it has been occupied since the Stone Age, first by hunter-gatherers, and, more recently, by pastoralists. The VOC began loaning land to farmers in this region in 1700s, and it became increasingly intensively farmed for stock and, particularly wheat. The site lies 15 km east of Riviersonderend and 46 km west of Swellendam, in the heart of this wheat growing region.**

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"/>	<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 checked="" type="checkbox"/>	<p>Historical settlements and townscapes</p> <p>Description of resource: The farm lies between the historic towns of Riviersonderend, 15km east, and Swellendam, 46km west</p> <p>Description of impact on heritage resource: The development is distant from either town, and there will be no impacts on these heritage resources</p>
<input checked="" type="checkbox"/>	<p>Landscapes and natural features of cultural significance</p> <p>Description of resource: The farm lies in the historic wheat-growing region of the ruêns veld.</p> <p>Description of impact on heritage resource: As an integral part of agricultural infrastructure, the dam and weir do not pose a disruptive impact on the cultural landscape.</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"/>	<p>Archaeological resources (Including archaeological sites and material, rock art, battlefields & wrecks):</p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input type="checkbox"/>	<p>Palaeontological resources (ie: fossils):</p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input type="checkbox"/>	<p>Graves and burial grounds (eg: ancestral graves, graves of victims of conflict, historical graves & cemeteries):</p> <p>Description of Resource:</p> <p>Description of Impact on Heritage Resource:</p>
<input type="checkbox"/>	<p>Other human remains:</p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>

<input type="checkbox"/>	<p>Sites of significance relating to the history of slavery in South Africa:</p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input type="checkbox"/>	<p>Other heritage resources:</p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>

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

The applicant proposes to construct a dam and rebuild a weir on Portions 3 and 5 of the farm Van der Wattskraal 394, and Remainder of Farm 234, to provide irrigation to nut orchards to be planted as part of a BBBEE project in the Swellendam Municipality, Overberg District, Western Cape.

The presence of perennial water in this area has meant that it has been occupied since the Stone Age, first by hunter-gatherers, and, more recently, by pastoralists. The VOC began loaning land to farmers in this region in the 1700s, and it became increasingly intensively farmed for stock and, particularly wheat. The site lies 15 km east of Riviersonderend and 46 km west of Swellendam, in the heart of this wheat growing region. There are currently accommodation and conference facilities on the farm. The watercourse in which the repair of the weir is required has been indicated as a floodplain wetland within a moderately modified condition, according to the National Freshwater Ecosystems (NFEPA) database (2011), however the proposed development area has not been identified as wetland habitat, nor a River Freshwater Ecosystem Priority Area (FEPA).

There are no declared heritage sites within a 15km radius of the proposed development site, although four graded sites exist (Figure 3 and Appendix 1). These are a Grade IIIc historic farmhouse (VRY-RIV01, SID 44099), and three archaeological sites containing ESA and MSA material. One of these, graded IIIb (RSV2, SID 44105), is an extensive scatter of predominantly Early Stone Age material with some Middle Stone Age artefacts included. One of the Grade IIIc sites (RSV1, SID 44104), is a disturbed site comprising Middle and Early Stone Age artefacts, while the other (PMLT7, SID 19383) contains scattered ESA and MSA material. Five heritage surveys have been conducted in the area (Figure 2 and Appendix 2), comprising four AIAs and an HIA. These reports confirm that the region has been inhabited since the Stone Age, and occupied more recently by the Khoekhoe, while farms were granted to Europeans from the eighteenth century onwards (Deacon 2006, NID 4731). The early farming of the area has intensified and diversified to create the cultural landscape as it exists today. Relatively little artefactual material was found in these surveys (sites RSV1 and 2 and PMLT7), likely owing to the long term disturbance of surfaces resulting from intensive cultivation (Kaplan 1990, NID 7807). The only report conducted on relatively undisturbed ground (Kaplan 2004, NID 4634) also found relatively little material - nine artefacts over a 10 ha area. These occurrences all fell outside the 15km radius of consideration in this application, but serve to show the relative paucity of artefactual material in this region; more artefactual material and sites should be expected in caves and shelters in more mountainous regions.

In terms of the palaeontology of the study area, the underlying deposits are of low fossil sensitivity, comprising scree, talus and alluvium as well as light grey to red sandy soils. The proposed developments will, therefore, have no impact on significant palaeontological resources.

Description of impacts on heritage resources in the environs of the site: **While it is clear that archaeological material does occur in this region, the combination of long term disturbance of surfaces through intensive cultivation, and the apparent infrequency of artefactual material found on open ground, makes any discovery of in situ, significant archaeological heritage resources unlikely. The proposed development will have no negative impact on the cultural landscape.**

In light of the above, it is unlikely that the proposed development will impact on significant heritage resources and as such, it is recommended that no further heritage studies are required.

Summary of anticipated impacts on heritage resources: **It is unlikely that the proposed development will impact on significant heritage resources and as such, it is recommended that no further heritage studies are required.**

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 **Katie Smuts**

Capacity **Heritage 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 .	<p>Name of individual: Name of Practice: Area of specialisation:</p> <p>Qualifications:</p> <p>Experience:</p> <p>Standing in heritage resource management:</p> <p>E-mail Address: Telephone: Cell:</p>
3 .	<p>Name of individual: Name of Practice: Area of specialisation:</p> <p>Qualifications:</p> <p>Experience:</p> <p>Standing in heritage resource management:</p> <p>E-mail Address: Telephone: Cell:</p>
4 .	<p>Name of individual: Name of Practice: Area of specialisation:</p> <p>Qualifications:</p> <p>Experience:</p> <p>Standing in heritage resource management:</p> <p>E-mail Address: Telephone: Cell:</p>
5 .	<p>Name of individual: Name of Practice: Area of specialisation:</p> <p>Qualifications:</p> <p>Experience:</p> <p>Standing in heritage resource management:</p> <p>E-mail Address: Telephone: Cell:</p>
<p>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.</p>	
<p>Name of individual: Name of Practice: Area of specialisation:</p> <p>E-mail Address: Telephone: Cell:</p> <p>Postal Address:</p>	

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.	