



NOTIFICATION OF INTENT TO DEVELOP

DEA Pending

Reference:

Digby Wells ILI2395

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NOTICE OF INTENT TO DEVELOP FOR THE WILGESPRUIT BRIDGE UPGRADE

1 INTRODUCTION

Digby Wells Environmental (hereafter Digby Wells) has been requested by ILISO Consulting Engineers (hereafter ILISO) to complete a Heritage Statement Report and submit a Notification of Intent to Develop to the responsible authority in order to comply with certain requirements in terms of the National Environmental Management Act, 1998 and the National Heritage Resources Act, 1999 for the upgrade of a pipe bridge in Libertas Avenue and the cleaning of the Wilgespruit between Libertas Ave and Cura Ave in Equestria, Pretoria.

1.1 Project Location

Name of property	The Willows
Erf or farm numbers	430 JR Stand numbers: R.EQSX 190, 600, 159, 158, 157, and 522
Coordinates of approximate centre of project area	-25.761731 28.340700
Nearest Town	Pretoria
Responsible Municipality	City of Tshwane Metropolitan Municipality
Extent of property	10.56 ha
Maximum extent of proposed development	4 ha

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Directors: AR Wilke, LF Koeslag, PD Tanner (British)*, AJ Reynolds (Chairman) (British)*, J Leaver*, GE Trusler (C.E.O)
*Non-Executive

Current use	Vacant land, river, private property
Predominant land use/s of surrounding properties	Residential use

1.2 Registered Owner of Affected Properties

Table 1-1: Registered Owners

Name	Plot	Address	Email	Telephone numbers	Fax Number	Work telephone number
Santie van Zyl	Plot1001	PO Box 70582 Die Wilgers 0041	santie@nihon.co.za	083 444 0084	012 807 0315	
Ron Dennis	Plot 159	PO Box 71743 Die Wilgers 0041	rdennis@lantic.net		012 807 2769	012 807 4114
Maureen Dennis	Plot 159	PO Box 71743 Die Wilgers 0041				
Gordon Beattie	Plot 158	PO Box 71595 Die Wilgers 0041	gordon.beattie@samrec.com	082 606 0253		
Joy Beattie	Plot 158	PO Box 71595 Die Wilgers 0041		083 684 0195		
Wikus van Heerden		Posbus 21309, Proteapark, 0305	wikusvh4@gmail.com	082 454 1649		
Tjaart van Wyk			tjaartvw@gmail.com	0824596989		
Johannes Kruger			allstars@mweb.co.za	071 353 3841	086 623 7439	

2 PROJECT/DEVELOPMENT DETAILS

Certain areas within the City of Tshwane (CoT) are prone to flooding during rainfall events due to anthropogenic activities such as the increase in residential development. This may pose a serious risk to human lives and damage to infrastructure. One of the areas that are prone to flooding is the Libertas Road Crossing over the Willow Spruit in the Equestria Area.

During 1991, work was undertaken in the Willow Spruit to increase the hydraulic capacity of the watercourse by removing the silt from the river bed.

However, it was determined that the river drainage structures were inadequate in terms of their hydraulic capacity resulting in the flooding of the roads on a regular basis. In order to eliminate the over topping of the roads new culvert structures of adequate hydraulic capacities were constructed in Cura Road, Stellenberg Road as well as in Bush Road. At that stage the Libertas Road was not upgraded because it was anticipated that as part of the new proposed residential development in Equastria, Libertas Road will eventually become a cul-de-sac, in which case a road crossing would not be required. Since 1991 the planning of the area has been changed. It has become clear that Libertas Road will continue to be an arterial route.

Requirements by the CoT Roads Department stipulate that the capacity of a drainage structure should permit discharge of a 1: 50 year flood, without overtopping of a road. The Wilgespruit drainage structure therefor requires upgrading to allow a potential 1: 50 year flood to discharge without flooding the Libertas Road. The proposed improvements and construction activities will *inter alia* entail the following:

- The temporarily closure of Libertas Road and the removal of the existing drainage structure,
- The necessary excavations to install the box culvert structure as well as to improve the alignment of the existing water course,
- Desilting and cleaning of the area upstream of the road crossing,
- The construction of the new structure and reinstatement of the road,
- Installation of erosion protection measures upstream of the new structure to stabilise the new watercourse alignment, and
- The clearing of the construction site.

2.1 NHRA Section 38 Triggers

The following activities may require a HIA in terms of Section 38 of the NHRA.

		NHRA Section 38 (1) Activities / Triggers	Summary description (E.g. 500 m conveyor belt, open cast pit, etc.)
<input type="checkbox"/>	a	Any linear development or barrier >300 m	
<input type="checkbox"/>	b	Any bridge or similar structure >50 m	
<input type="checkbox"/>	c	Any development or activity that will change the character of a site:	
<input type="checkbox"/>	i	≥5 000m ² in extent	

NHRA Section 38 (1) Activities / Triggers			Summary description (E.g. 500 m conveyor belt, open cast pit, etc.)
<input type="checkbox"/>	ii	Involving ≥3 existing erven/ subdivisions	
<input type="checkbox"/>	iii	Involving ≥3 or more erven/ divisions consolidated within past 5 years.	
<input type="checkbox"/>	d	Rezoning of a site ≥10 000m ² in extent.	
<input checked="" type="checkbox"/>	e	Other triggers, e.g.: in terms of other legislation, (i.e.: National Environment Management Act, etc.)	NEMA application

2.2 Activities

The following Listed Activities will require a HIA in terms of Section 38(1) of the NHRA.

Government Notice (GN)	NEMA Activity No.	NHRA Trigger	Description	Expected duration/phase
R544	11	38 (1) e	Other triggers, e.g.: in terms of other legislation, (i.e.: National Environment Management Act, etc.)	Construction phase

2.3 Additional Impact Assessment Process

The following impact assessment processes are currently being undertaken for the proposed project.

Legislation, i.e. NEMA, MPRDA, etc.	NEMA
Consenting Authority that has/will receive information	DEA
Present phase of process at Authority, e.g. Draft Scoping Report	Draft Scoping Report/ Basic Assessment Report

3 IDENTIFIED/KNOWN HERITAGE RESOURCES AND POTENTIAL IMPACTS

The following categories of heritage resources as defined in Section 3 of the NHRA are known to occur within the proposed project area.

<input type="checkbox"/>	3(2)(a)	Places, buildings, structures and equipment of cultural significance
		<i>Description of resource:</i>
		<i>Potential impact:</i>
<input type="checkbox"/>	3(2)(b)	Places to which oral traditions are attached or which are associated with living heritage
		<i>Description of resource:</i>
		<i>Potential impact:</i>
<input type="checkbox"/>	3(2)(c)	Historical settlements and townscapes
		<i>Description of resource:</i>
		<i>Potential impact:</i>
<input type="checkbox"/>	3(2)(d)	Landscapes and natural features of cultural significance
		<i>Description of resource:</i>
		<i>Potential impact:</i>
<input type="checkbox"/>	3(2)(e)	Geological resources of scientific or cultural importance
		<i>Description of resource:</i>
		<i>Potential impact:</i>
<input type="checkbox"/>	3(2)(f)	Archaeology and/or palaeontology (Including archaeological sites and material, fossils, rock art, battlefields & wrecks)
		<i>Description of resource:</i>
		<i>Potential impact:</i>
<input type="checkbox"/>	3(2)(g)	Graves and burial grounds (eg: ancestral graves, graves of victims of conflict, historical graves & cemeteries)
		<i>Description of resource:</i>
		<i>Potential impact:</i>

<input type="checkbox"/>	3(2)(a)	Other human remains
		<i>Description of resource:</i>
		<i>Potential impact:</i>
<input type="checkbox"/>	3(2)(h)	Sites of significance relating to the history of slavery in South Africa
		<i>Description of resource:</i>
		<i>Potential impact:</i>
<input type="checkbox"/>	3(2)(i)	Movable objects
		<i>Description of resource:</i>
		<i>Potential impact:</i>

3.1 Illustrative Material

For site maps, please refer to the attached Heritage Statement.

4 RECOMMENDATION

Is a Heritage Impact Assessment required?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<p>If NO, provide motivation: The project area has undergone substantial transformations and development. Any heritage resources within the project will not be preserved <i>in situ</i>. A Watching Brief should be conducted and Chance Finds Procedures should be put in place if any heritage resources are identified during construction.</p>			
<p>If YES, provide suggested components that may be required or undertaken during HIA.</p>			
<input type="checkbox"/>	Archaeology	<input type="checkbox"/>	Architecture
<input type="checkbox"/>	Built Environment	<input type="checkbox"/>	Burial Grounds and Graves
<input type="checkbox"/>	Palaeontology	<input type="checkbox"/>	Public Participation
<input type="checkbox"/>	Townscapes	<input type="checkbox"/>	Visual Impact
<input type="checkbox"/>	Other:		
<p>Recommendation made by: Digby Wells Environmental</p> <p>Name: Natasha Higgitt and Johan Nel</p> <p>Capacity: Archaeology Consultant and HRM Unit Manager</p>			