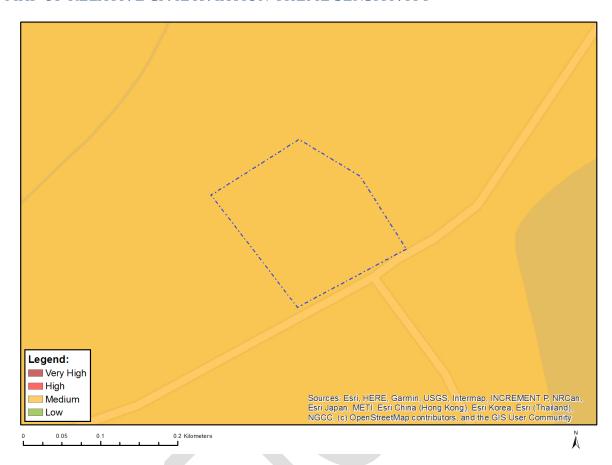
MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity	Feature(s)
Medium	Between 15 and 35 km from a civil aviation radar
Medium	Between 8 and 15 km of other civil aviation aerodrome

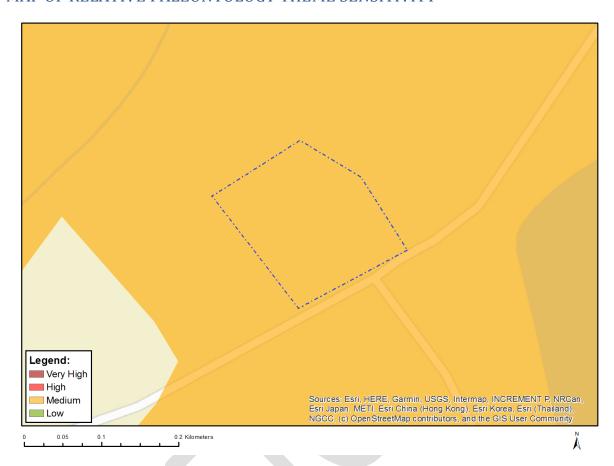
MAP OF RELATIVE DEFENCE THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			Χ

Sensitivity	Feature(s)	
Low	Low Sensitivity	

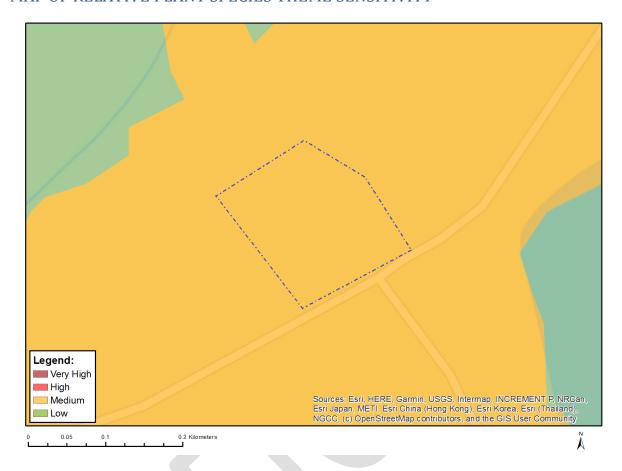
MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		Х	

Sensitivity	Feature(s)
Medium	Features with a Medium paleontological sensitivity

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		Χ	

Sensitivity	Feature(s)
Medium	Lampranthus aureus
Medium	Lampranthus dilutus
Medium	Lampranthus filicaulis
Medium	Lampranthus leptaleon
Medium	Lampranthus peacockiae
Medium	Lampranthus scaber
Medium	Lampranthus sociorum
Medium	Lampranthus spiniformis
Medium	Antimima aristulata
Medium	Erepsia patula
Medium	Erepsia ramosa
Medium	Ruschia diversifolia
Medium	Ruschia schollii

Medium	Drosanthemum hispifolium
Medium	Xiphotheca lanceolata
Medium	Psoralea fascicularis
Medium	Indigofera psoraloides
Medium	Aspalathus aculeata
Medium	Aspalathus araneosa
Medium	Aspalathus attenuata
Medium	Aspalathus globosa
Medium	Aspalathus macrantha
Medium	Aspalathus muraltioides
Medium	Otholobium rotundifolium
Medium	Rafnia lancea
Medium	Lebeckia plukenetiana
Medium	Podalyria argentea
Medium	Podalyria sericea
Medium	Leucadendron argenteum
Medium	Leucadendron corymbosum
Medium	Leucadendron daphnoides
Medium	Leucadendron lanigerum var. lanigerum
Medium	Leucospermum grandiflorum
Medium	Leucospermum gueinzii
Medium	Leucospermum hypophyllocarpodendron subsp. canaliculatum
Medium	Leucospermum hypophyllocarpodendron subsp. hypophyllocarpodendron
Medium	Leucospermum lineare
Medium	Protea burchellii
Medium	Protea lacticolor
Medium	Protea scorzonerifolia
Medium	Diastella buekii
Medium	Serruria kraussii
Medium	Serruria pinnata
Medium	Serruria gracilis
Medium	Merciera tetraloba
Medium	Pentameris bachmannii
Medium	Anthospermum ericifolium
Medium	Lobostemon capitatus
Medium	Lobostemon regulariflorus
Medium	Echiostachys incanus
Medium	Aristea lugens
Medium	Tritoniopsis elongata
Medium	Hesperantha spicata subsp. spicata
Medium	Sensitive species 631
Medium	Sensitive species 533
Medium	Sensitive species 1134
Medium	Geissorhiza brehmii
Medium	Geissorhiza humilis
Medium	Geissorhiza erosa
Medium	Sparaxis grandiflora subsp. grandiflora
Medium	Ixia erubescens
Medium	lxia rouxii
Medium	Ixia sarmentosa
Medium	Sensitive species 560
Medium	Sensitive species 1253
Medium	Sensitive species 1
Medium	Sensitive species 830
Medium	Sensitive species 112
Medium	Sensitive species 112 Sensitive species 1140
Medium	Sensitive species 1140 Sensitive species 298
Medium	Sensitive species 807
Medium	Sensitive species 452
Medium	Sensitive species 567

Medium	Sensitive species 863
Medium	Pauridia alba
Medium	Pauridia pygmaea
Medium	Oxalis strigosa
Medium	Erica filiformis var. filiformis
Medium	Erica sacciflora
Medium	Erica abietina subsp. perfoliosa
Medium	Hermannia rugosa
Medium	Sensitive species 769
Medium	Sensitive species 222
Medium	Sensitive species 444
Medium	Sensitive species 259
Medium	Sensitive species 478
	•
Medium	Sensitive species 756
Medium	Adenogramma rigida
Medium	Wachendorfia brachyandra
Medium	Hessea cinnamomea
Medium	Sensitive species 847
Medium	Isoetes capensis
Medium	Sensitive species 133
Medium	Trianoptiles solitaria
Medium	Cannomois arenicola
Medium	Hypodiscus rugosus
Medium	Restio duthieae
Medium	Restio papillosus
Medium	Restio pratensis
Medium	Sensitive species 985
Medium	Sensitive species 120
Medium	Sensitive species 384
Medium	Sensitive species 682
Medium	Lachnaea uniflora
Medium	Metalasia capitata
Medium	Senecio verbascifolius
Medium	Athanasia capitata
Medium	Arctotis angustifolia
Medium	Sensitive species 1042
Medium	Agathosma propinqua
Medium	Cliffortia ericifolia
Medium	Cliffortia marginata
Medium	Cliffortia phillipsii
Medium	Muraltia decipiens
Medium	Muraltia macropetala
Medium	Sensitive species 811
Medium	Sensitive species 262
Medium	Sensitive species 616
Medium	Wurmbea inusta
Medium	Phylica dioica
Medium	Phylica strigulosa
Medium	Phylica thunbergiana
Medium	Orthochilus litoralis
Medium	Codonorhiza azurea
Medium	Skiatophytum skiatophytoides
Medium	Lampranthus debilis
Medium	Lampranthus debins Lampranthus glaucus
Medium	
	Xiphotheca reflexa
Medium	Psoralea alata
Medium	Psoralea alata Aspalathus lebeckioides
Medium Medium	Psoralea alata Aspalathus lebeckioides Aspalathus recurva
Medium	Psoralea alata Aspalathus lebeckioides

Medium	Sensitive species 335
Medium	Sensitive species 599
Medium	Elegia squamosa
Medium	Restio paludosus
Medium	Restio rigoratus
Medium	Lachnaea capitata
Medium	Lachnaea grandiflora
Medium	Cotula pusilla
Medium	Sensitive species 1225

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity	Feature(s)
Very High	Ecological support area 2
Very High	Vulnerable ecosystem
Very High	Strategic Water Source Areas

APPENDIX F

Notice of Intent to Development (NID)

APPENDIX F (i)

Heritage Western Cape comment on NID for New Retreat Site

Our Ref: HM/ CAPE WINELANDS/ STELLENBOSCH/ FARM 1674/3

Case No.: 20032005SB0331E
Enquiries: Stephanie Barnardt

E-mail: stephanie.barnardt@westerncape.gov.za

Tel: 021 483 5959

Cell: 076 481 8392 (during national lockdown)

Date: 14 April 2020

Boschendal (Pty) Ltd Boschendal Farm Pniel Main Road (R310) Pniel

Pniel 7680

stephen@boschendal.co.za , mike@archrsa.com , katie@archrsa.com

RESPONSE TO NOTIFICATION OF INTENT TO DEVELOP: HIA REQUIRED
In terms of Section 38(2) of the National Heritage Resources Act (Act 25 of 1999) and the Western Cape
Provincial Gazette 6061, Notice 298 of 2003

ILifa leMveli leNtshona Koloni

Erfenis Wes-Kaap

Heritage Western Cape

NOTIFICATION OF INTENT TO DEVELOP: PROPOSED NEW RETREAT, PORTION 3 OF FARM BOSCHENDAL 1674, SUBMITTED IN TERMS OF SECTION 38(2) OF THE NATIONAL HERITAGE RESOURCES ACT (ACT 25 OF 1999)

CASE NUMBER: 20032005SB0331E

The matter above has reference.

Heritage Western Cape is in receipt of your application for the above matter received on 4 April 2020. This matter was discussed at the Heritage Officers meeting held on 8 April 2020.

You are hereby notified that, since there is reason to believe that the proposed new Retreat, Portion 3 of Farm Boschendal 1674 will impact on heritage resources, HWC requires that a Heritage Impact Assessment (HIA) that satisfies the provisions of section 38(3) of the NHRA be submitted. This HIA must have specific reference to the following:

- Impacts to archaeological heritage resources
- Visual impacts study of the proposed development
- Social study of the proposed development
- Landscape study of the proposed development

The required HIA must have an integrated set of recommendations.

The comments of relevant registered conservation bodies and the relevant Municipality must be requested and included in the HIA where provided. Proof of these requests must be supplied.

HWC reserves the right to request additional information as required.

Applicants are strongly advised to review and adhere to the time limits contained the Standard Operational Procedure (SOP) between DEADP and HWC. The SOP can be found using the following link http://www.hwc.org.za/node/293

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

Yours faithfully

Dr. Mxolisi Dlamuka

Chief Executive Officer

www.westerncape.gov.za/cas

Street Address: Protea Assurance Building, Green Market Square, Cape Town, 8000 • Postal Address: P.O. Box 1665, Cape Town, 8000 • Tel: +27 (0)21 483 5959 • E-mail: ceoheritage@westerncape.gov.za

Straatadres: Protea Assuransie-gebou, Groentemarkplein, Kaapstad, 8000 • Posadres: Posbus 1665, Kaapstad, 8000 • Tel: +27 (O)21 483 5959 • E-pos: ceoheritage@westerncape.gov.za

Idilesi yendawo: kumgangatho 3, kwisakhiwo iprotea Assurance, Greenmarket Square, ekapa, 8000 • Idilesi yeposi: Inombolo yebhokisi yeposi 1665, eKapa, 8000 • Iinombolo zomnxeba: +27 (0)21 483 5959 • Idilesi ye-imeyile: ceoheritage@westerncape.gov.za

APPENDIX F (ii)

NID for permanent pipeline to Lanquedoc



APPLICATION FORM NOTIFICATION OF INTENT TO DEVELOP (NID) SECTION 38 (1) AND SECTION 38 (8)

Heritage Western Cape Reference No:

To be completed by the applicant

21032905			

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)

As per Section 38 (1) (e) of the NHRA, submission of the NID must be initiated at the earliest stage of development. Should the development trigger any other legislation, practitioners may submit the NID without formal submission to other statutory bodies in order to comply with the NHRA.

This form is to be read in conjunction with the HWC Notification of Intent to Develop, Heritage Impact Assessment, (Pre-Application) Basic Assessment Reports, Scoping Reports and Environmental Impact Assessments, Guidelines for Submission to HWC

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. All sections of the form must be completed in order to deem the application to be complete.

Making an incorrect statement or providing incorrect information may result in all or part of the application having to be reconsidered by HWC in the future, or submission of a new application.

The following information is to be included upon submission to HWC:

- 1. Proof of payment with correct reference number
- 2. Completed and signed application form the application form must be completed in full in order to be considered
- 3. Power of Attorney
- 4. Locality Map
- 5. Images of the site and its context
- 6. Additional information pertaining to the heritage of the site

Application and associated documentation to be emailed to ceoheritage@westerncape.gov.za

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

Department of Environmental Affairs Development Planning (Western Cape); Department of Mineral Resources (National); Department of Environmental Affairs (National); Reference Number (if applicable):		
Please tick the applicable section:		
	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: DEAD&P	
	This development will not require a NEMA application.	

B. BASIC DETAILS

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- KO: - K: - D - D - K: - D - D - D - D - D - D - D - D - D -		
Name of property: Rhonen and Lanquedoc, and Langedok		
Street address or location (eg: off R44): Languedoc Main Road, Languedoc		
Erf or farm number/s: Erf 1 Lanquedoc, consolidation of 2/1176 (Rhonen and Lanquedoc) and 8/1173 (Langedok) Coordinates: \$ 33°53'20.47" E 18°58'22.92" (A logical centre point. Format based on Wellington)		
Town or District: Groot Drakenstein	Municipality: Stellenbosch	
Extent of property: 42.48 Ha	Current use: Transport	
Predominant land use/s of surrounding properties: Residential, agriculture, tourism		

REGISTERED OWNER OF PROPERTY:

NEO IO IENEE O VIII CON ENCIR.				
Name and Surname: Dwars River Valley Community Development Trust				
Address De Borden Lands, Lanquedoc, Western Cape, 7681				
Telephone c/o 021 4230328		E-mail c/o katie@archrsa.com		
APPLICANT/ AUTHORISED AGENT:				
Name and Surname: Dwars River Valley Community Trust				
Address: De Borden Lands, Lanquedoc, Western Cape, 7681				
Telephone c/o 021 4230328 Cell c/o 072 7967754 E-mail c/o katie@archrsa.com				
		·		

By the submission of this form and all material submiapplicant 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. All sections of the form have been completed.

completed.	
Signature of Owner:	Date:
signatore of extror.	Dalo.
Should the owner not be able to sign, the applattach copy of power of attorney to this form.	licants/ agents must
Signature of Applicant/ Authorised Agent:	Date:
Applicants/ agents must attach copy of powe	r ot attorney to this torm

C. DEVELOPMENT DETAILS:

	ate below which of the following Sections of as triggered the need for notification of inten	the National Heritage Resources Act, or other		
legisiation no		r io develop.		
	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 -		
	\$38(1)(b) Construction of a bridge or similar structure exceeding 50m in length.	(i) exceeding 5 000m² in extent;		
	\$38(1)(d) Rezoning of a site exceeding 10 000m ² in extent.	(ii) involving three or more existing erven or subdivisions thereof;		
	Other triggers, eg: in terms of other legislation, (ie: National Environment Management Act, etc.) Please set out details:	(iii) involving three or more erven or divisions thereof which have been consolidated within the past five years. If you have checked any of the three boxes above, describe how the proposed development will change the character of the site:		
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: DEAD&P				
Present phase at which the process with that authority stands: This application is being incorporated into the BAR for the New Retreat development, and is currently at pre-PPP phase.				
Provide a <u>full</u> description of the nature and extent of the proposed development or activity including its				
potential impacts:				
The Stellenbosch Municipality has granted permission for the proposed New Retreat development on Portion 11 of Farm 1674, Boschendal, to connect to the municipal water supply via the existing				
	Lanquedoc water main.			

This connection requires 317m of pipeline aligned within the road reserve of the existing Lanquedoc Main Road, and a further 522m of pipeline to be laid within centre of the oncoming lane of the Boschendal Farm Road, Ou Wapad. The pipeline will be 160mm uPVC pipe, and the alignment will bridge over an existing culvert along the Lanquedoc alignment, and fix to the bridge over a watercourse before entering Boschendal.

Estimated value cost of the project in South African Rands:

D. ANTICIPAT	ED IMPACTS ON HERITAGE RESOURCES
forming part of	e National Heritage Resources Act sets out the following categories of heritage resource as f the national estate. Please indicate the known presence of any of these by checking the and then providing a description of each occurrence, including nature, location, size, type
•	de sufficient detail or to anticipate the likely presence of heritage resources on the site may est for more detailed specialist information.
Boschendal F Rhodes for ov associated by time. Portion	history of the site and its environs (Include sources where available): farm was granted in 1688, and has been farmed together with the adjacent farm, ver 350 years. The two farms comprise several highly significant farm werfs and uildings that include illustrate the change and development of the farms through that 11 of 1674 is largely devoid of intrinsically significant structures, but contains elements I ustrate I abour practices in the C20th, in
the collapse of workers	s a settlement commissioned by Rhodes, and designed by Sir Herbert Baker following of the wine industry at the end of the C19th. It was intended to attract and keep in the area who were nruit vharnns one adlorgle satable. Micoalernn Rloc comprises the historic workers cottage uilt to accommodate workers who were moved off Boschendal in the early 2000s.
	e which heritage resources exist on the site and in its environs, describe them and indicate the mpact upon them:
	Places, buildings, structures and equipment of cultural significance
\boxtimes	Description of resource: The pipeline will be laid in the road reserve of the Lanquedoc Main Road, and will pass through the graded landscape of Boschendal. The Stellenbosch Municipal Heritage Inventory has graded the Boschendal landscape in this area as a Grade IIIB landscape, while the landscape surrounding Lanquedoc carries a IIIA grading.
	Description of impact on heritage resource: No impacts will occur to places of cultural significance as the pipeline will be below ground
	Places to which oral traditions are attached or which are associated with living
	heritage
\boxtimes	Description of resources
	Description of resource: The Ou Wapad holds intangible significance as a traditional, historic route through the landscape, connecting the disparate settlements of Thembalethu, Lanquedoc, Pniel and
Herita	ge Western Cape Section 38 Application Form _ February 2021
	30

	Kylemore
	Description of impact on heritage resource:
	No impacts will occur to the intangible significance of the wapad as its location and
	alignment remains unchanged.
	Historical settlements and townscapes
	Description of resource:
\boxtimes	The pipeline will be laid in the road reserve of the main road leading to the historic settlement
<u>~ ~ ~</u>	of Lanquedoc.
	Description of impact on heritage resource:
	No impacts will occur to places of cultural significance as the pipeline will be below ground
	Landscapes and natural features of cultural significance
	Description of resource:
\boxtimes	This portion of Boschendal carries a IIIB grading, while the landscape surrounding Lanquedoc
K_3	carries a IIIA grading.
	Description of impact on heritage resource:
	No impacts will occur to places of cultural significance as the pipeline will be below ground
	Geological resources of scientific or cultural importance
	Description of resource:
	Description of impact on heritage resource:
	Archaeological resources (Including archaeological sites and material, rock art, battlefields &
	wrecks):
	Description of resource:
	Stone artefacts are fairly commonly found in the area, predominantly in the form of ex situ
\square	Early Stone Age tools. Excavations at Solms Delta farm to the north of Boschendal yielded a
	highly significant Later Stone Age open site on the banks of the Dwars River.
	Description of impact on heritage resource: It is possible that sites similar to that identified at Delta may occur elsewhere in the Dwars River
	Valley. The excavation of the trench to lay the pipe could encounter similar material during
	the course of excavation.
	Palaeontological resources (ie: fossils):
	Description of resource:
	Description of impact on heritage resource: Graves and buried grounds (e.g.: apposted graves argues of victims of conflict historical
	Graves and burial grounds (eg: ancestral graves, graves of victims of conflict, historical graves & cemeteries):
	Description of Resource:
	Description of Impact on Heritage Resource:
	Other human remains:
	Description of resource:
	Description of resource.

	Description of impact on heritage resource:
	Sites of significance relating to the history of slavery in South Africa:
	Description of resource: Slave history is an inescapable component of Boschendal history, and with slave labour having been used on the farm for more than a century, any development on the land should be cognisant of this past. Portion 11 of 1674 is unlikely to hold much significant evidence for past slave activities as the are a was always marginal to Bosch having been used for pasture until fairly recently; as such no slave dwellings or similar structures are located there, and any cultural material would be ephemeral at best. Description of impact on heritage resource:
	No impacts are anticipated due to the marginal, under utilised nature of this portion of Boschendal, and the limited disturbance likely to arise from the proposed activities.
	Other heritage resources:
	Description of resource:
	Description of impact on heritage resource:
Describe elem	ents in the environs of the site that could be deemed to be heritage resources:
	ndscape is of high significance, although less so in this portion of Boschendal than others. The
area does fall v	within the Grade I Cape Winelands Cultural Landscape which has been put forward for
inclusion on the	e UNESCO list of World Heritage Sites

Summary of anticipated impacts on heritage resources:

Description of impacts on heritage resources in the environs of the site: No impacts are anticipated to the CWCL Grade I landscape.

The proposed development will entail the excavation of a trench in the Lancquedoc Main Road road reserve, and within the alignment of the Boschendal Farm Road, Ou Wapad. Once the pipe is laid, these excavations will be closed up again and made good.

As such, with the exception of possible, accidental uncovering of in situ archaeological material during pipeline excavation, no impacts are anticipated to heritage resources.

The excavations will occur within disturbed contexts, i.e. road alignments, and any significant material is expected to be below ground, if present at all. For these reasons, prior archaeological survey is not likely to yield any results. Periodic monitoring of the excavation should be undertaken to inspect for any in situ archaeological material, however.

E. ILLUSTRATIVE MATERIAL:

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/ USB 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.

F. RECOMME	NDATION			
In your opinion	do you believe that a heritage impact assessment is required? 🗌 Yes 🔀 No			
Monitoring by	an archaeologist should be conducted during trenching for the pipeline			
Recommendo	tion made by:			
Name Katie	Smuts			
Capacity Arc	chaeologist and Heritage Practitioner			
	No Heritage Impact Assessment should be submitted with this form or conducted until Heritage has expressed its opinion on the need for such and the nature thereof.			
G. INFORMAI	TION TO BE PROVIDED AND STUDIES TO BE CONDUCTED AS PART OF THE HERITAGE SSMENT (HIA)			
If it is recomme	ended that an HIA is required, please complete this section of the form.			
DETAILS OF STU	DETAILS OF STUDIES TO BE CONDUCTED IN THE INTENDED HIA			
In addition to t	the requirements set out in Section 38(3) of the NHRA, indicate envisaged studies:			
	Heritage resource-related guidelines and policies.			
	Local authority planning and other laws and policies.			
	Details of parties, communities, etc. to be consulted.			
	Specialist studies, eg: archaeology, palaeontology, architecture, townscape, visual impact, etc. Provide details:			
	Other. Provide details:			
PLEASE NOTE: Any further studies which Heritage Western Cape requires 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. Please refer to the Guidelines for Heritage Impact Assessments required in terms of Section 38 of the National Heritage Resources Act (Act 25 of 1999)				



RENNIE SCURR ADENDOR

26 October 2019

3rd Fl. Protea Assurance Building Green Market Square, Cape Town 8000

ATTENTION: Ms. Waseefa Dhansay

RE: Bertha New Retreat, Pipeline: Erf 1, Languedoc, 11/1674 and 1730

Boschendal, Ref 21032905

Dear Ms Dhansay,

The Bertha Retreat development on 11/1674 Boschendal is the subject of an HIA that has been seen at IACom and APM for interim comment, but has not yet been submitted for final comment.

Subsequent to the compilation of the HIA, permission was granted by Stellenbosch Municipality to connect the proposed new development to the existing water supply at Languedoc. This connection is to be via a new pipeline laid within the road reserves of the farm road (Old Wapad) on 11/1674 and 1730 Boschendal, and of Lanquedoc Main Road across Erf 1.

For the purposes of the NEMA process, the application is being bundled with the development, but it was determined that this could be handled as a separate NID application in terms of the relevant heritage processes. A NID and accompanying report were duly compiled in terms of Section 38(8) of the NHRA. The submission of the NID has, however, been delayed due to difficulties initially with identifying, and then with obtaining signatures from the landowners of Erf 1. Despite the relevant development area falling within the road reserve, the land is in the ownership of the Dwars River Valley Community Development Trust (DRVCDT), and efforts since August 2021 have failed to secure signature, although this is understood to arise from administrative difficulties within the Trust, rather than opposition to the proposed pipeline.

As heritage input is a necessary component of the NEMA process, the failure to procure landowner permission to submit the NID is currently jeopardizing the environmental process not only of the pipeline but of the wider New Retreat development.

Given the NID recommends that no further heritage studies are required in terms of the pipeline development, we are of the opinion that the signature of the owner is not necessary in so far as the proposed development does not trigger the need for a HIA and HWC is a commenting authority in this process. Should the HWC Response to the NID differ from our submission, and find that heritage studies are required, landowner permission would be sought prior to the submission of any HIA.

Kind regards,

Mike Scurr

Rennie Scurr Adendorff Architects CC.

APPLICATION FORM NOTIFICATION OF INTENT TO DEVELOP (NID) SECTION 38 (1) AND SECTION 38 (8)

<u>Heritage</u>	Western	Cape	Reference	No:

To be completed by the applicant

21032905			

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)

As per Section 38 (1) (e) of the NHRA, submission of the NID must be initiated at the earliest stage of development. Should the development trigger any other legislation, practitioners may submit the NID without formal submission to other statutory bodies in order to comply with the NHRA.

This form is to be read in conjunction with the HWC Notification of Intent to Develop, Heritage Impact Assessment, (Pre-Application) Basic Assessment Reports, Scoping Reports and Environmental Impact Assessments, Guidelines for Submission to HWC

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. All sections of the form must be completed in order to deem the application to be complete.

Making an incorrect statement or providing incorrect information may result in all or part of the application having to be reconsidered by HWC in the future, or submission of a new application.

The following information is to be included upon submission to HWC:

- 1. Proof of payment with correct reference number
- 2. Completed and signed application form the application form must be completed in full in order to be considered
- 3. Power of Attorney
- 4. Locality Map
- 5. Images of the site and its context
- 6. Additional information pertaining to the heritage of the site

Application and associated documentation to be emailed to ceoheritage@westerncape.gov.za

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

Department of Environmental Affairs Development Planning (Western Cape); Department of Mineral Resources (National); Department of Environmental Affairs (National); Reference Number (if applicable):		
Please tick the applicable section:		
	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: DEAD&P	
	This development will not require a NEMA application.	

B. BASIC DETAILS

PROPERTY DETAILS:

Name of property: Boschendal Farm		
Street address or location (eg: off R44): Off R310, Boschendal		
Erf or farm number/s: 11/1674; 1730 Erf or farm number/s: 11/1674; 1730 E 18°58'09.50" (A logical centre point. Format based on WGS84.)		
Town or District: Groot Drakenstein Municipality: Stellenbosch		
Extent of property: 273.18 Ha	Current use: Agriculture	
Predominant land use/s of surrounding properties: Residential, agriculture, tourism		

REGISTERED OWNER OF PROPERTY:

Name and Surname: Boschendal (Pty) Ltd				
Address Boschendal Farm, Pniel Main R	oad (R310), Pniel, 7680			
Telephone c/o 021 4230328				
APPLICANT/ AUTHORISED AGENT:				
Name and Surname: Boschendal (Pty) Ltd				
Address: Boschendal Farm, Pniel Main Road (R310), Pniel, 7680				
Telephone c/o 021 4230328 Cell c/o 072 7967754 E-mail c/o katie@archrsa.com				

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. All sections of the form have been completed.

Signature of Owner: _______ Date: 27 August 2021

Should the owner of attorney to this form.

Signature of Applicant/ Authorised Agent: Date: 27 August 2021

Applicants/agents must attach copy of power of attorney to this form.

C. 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.			
	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 -	
	S38(1)(b) Construction of a bridge or similar structure exceeding 50m in length.	(i) exceeding 5 000m² in extent;	
	S38(1)(d) Rezoning of a site exceeding 10 000m ² in extent.	(ii) involving three or more existing erven or subdivisions thereof;	
	Other triggers, eg: in terms of other legislation, (ie: National Environment Management Act, etc.) Please set out details:	(iii) involving three or more erven or divisions thereof which have been consolidated within the past five years. If you have checked any of the three boxes above, describe how the proposed development will change the character of the site:	
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: DEAD&P			
Present phase at which the process with that authority stands: This application is being incorporated into the BAR for the New Retreat development, and is currently at pre-PPP phase.			
Provide a <u>full</u> description of the nature and extent of the proposed development or activity including its potential impacts: The Stellenbosch Municipality has granted permission for the proposed New Retreat development on Portion 11 of Farm 1674, Boschendal, to connect to the municipal water supply via the existing Languedoc water main.			

This connection requires 317m of pipeline aligned within the road reserve of the existing Lanquedoc Main Road, and a further 522m of pipeline to be laid within centre of the oncoming lane of the Boschendal Farm Road, Ou Wapad. The pipeline will be 160mm uPVC pipe, and the alignment will bridge over an existing culvert along the Lanquedoc alignment, and fix to the bridge over a watercourse before entering Boschendal.

D. ANTICIPATED IMPACTS ON HERITAGE RESOURCES

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.

Provide a short history of the site and its environs (Include sources where available):

Boschendal Farm was granted in 1688, and has been farmed together with the adjacent farm, Rhodes for over 350 years. The two farms comprise several highly significant farm werfs and associated buildings that include illustrate the change and development of the farms through that time. Portion 11 of 1674 is largely devoid of intrinsically significant structures, but contains elements that illustrate labour practices in the C20th, including Thembalethu hostel and 1980s labourers' cottages.

Lanquedoc is a settlement commissioned by Rhodes, and designed by Sir Herbert Baker following the collapse of the wine industry at the end of the C19th. It was intended to attract and keep workers in the area who were now needed to farm Rhodes' fruit farms on a large scale. Modern Lanquedoc comprises the historic workers' cottages as well as new lowcost and RDP houses that have been built to accommodate workers who were moved off Boschendal in the early 2000s.

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

nature of any impact upon them:			
	Places, buildings, structures and equipment of cultural significance		
	Description of resource: The pipeline will be laid in the road reserve of the Lanquedoc Main Road, and will pass through the graded landscape of Boschendal. The Stellenbosch Municipal Heritage Inventory has graded the Boschendal landscape in this area as a Grade IIIB landscape, while the landscape surrounding Lanquedoc carries a IIIA grading.		
	Description of impact on heritage resource: No impacts will occur to places of cultural significance as the pipeline will be below ground		
	Places to which oral traditions are attached or which are associated with living		
	heritage		
	Description of resource: The Ou Wapad holds intangible significance as a traditional, historic route through the landscape, connecting the disparate settlements of Thembalethu, Languedoc, Pniel and		

	Kylemore
	Description of impact on heritage resource:
	No impacts will occur to the intangible significance of the wapad as its location and alignment remains unchanged.
	Historical settlements and townscapes
	Description of recourse.
\boxtimes	Description of resource: The pipeline will be laid in the road reserve of the main road leading to the historic settlement
	of Lanquedoc.
	Description of impact on heritage resource:
	No impacts will occur to places of cultural significance as the pipeline will be below ground
	Landscapes and natural features of cultural significance
	Description of resource:
\boxtimes	This portion of Boschendal carries a IIIB grading, while the landscape surrounding Lanquedoc carries a IIIA grading.
	Description of impact on heritage resource: No impacts will occur to places of cultural significance as the pipeline will be below ground
	Geological resources of scientific or cultural importance
	Description of resource:
	Description of impact on heritage resource:
	Archaeological resources (Including archaeological sites and material, rock art, battlefields &
	wrecks):
	Description of resource:
	Stone artefacts are fairly commonly found in the area, predominantly in the form of ex situ Early Stone Age tools. Excavations at Solms Delta farm to the north of Boschendal yielded a
\boxtimes	highly significant Later Stone Age open site on the banks of the Dwars River.
	Description of impact on heritage resource:
	It is possible that sites similar to that identified at Delta may occur elsewhere in the Dwars River Valley. The excavation of the trench to lay the pipe could encounter similar material during
	the course of excavation.
	Palaeontological resources (ie: fossils):
	Description of resource:
	Description of impact on heritage resource:
	Graves and burial grounds (eg: ancestral graves, graves of victims of conflict, historical
	Graves and burial grounds (eg: ancestral graves, graves of victims of conflict, historical
	Graves and burial grounds (eg: ancestral graves, graves of victims of conflict, historical graves & cemeteries): Description of Resource:
	Graves and burial grounds (eg: ancestral graves, graves of victims of conflict, historical graves & cemeteries):
	Graves and burial grounds (eg: ancestral graves, graves of victims of conflict, historical graves & cemeteries): Description of Resource: Description of Impact on Heritage Resource:

	Description of impact on heritage resource:
	Sites of significance relating to the history of slavery in South Africa:
	Description of resource: Slave history is an inescapable component of Boschendal history, and with slave labour having been used on the farm for more than a century, any development on the land should be cognisant of this past. Portion 11 of 1674 is unlikely to hold much significant evidence for past slave activities as the area was always marginal to Boschendal's farming activities, having been used for pasture until fairly recently; as such no slave dwellings or similar structures are located there, and any cultural material would be ephemeral at best. Description of impact on heritage resource: No impacts are anticipated due to the marginal, under utilised nature of this portion of
	Boschendal, and the limited disturbance likely to arise from the proposed activities.
	Other heritage resources:
	Description of resource:
	Description of impact on heritage resource:
Describe elem	ents in the environs of the site that could be deemed to be heritage resources:
	ndscape is of high significance, although less so in this portion of Boschendal than others. The
	within the Grade I Cape Winelands Cultural Landscape which has been put forward for
	ONESCO list of World Haritage Sites

inclusion on the UNESCO list of World Heritage Sites

Description of impacts on heritage resources in the environs of the site:

No impacts are anticipated to the CWCL Grade I landscape.

Summary of anticipated impacts on heritage resources:

The proposed development will entail the excavation of a trench in the Lancquedoc Main Road road reserve, and within the alignment of the Boschendal Farm Road, Ou Wapad. Once the pipe is laid, these excavations will be closed up again and made good.

As such, with the exception of possible, accidental uncovering of in situ archaeological material during pipeline excavation, no impacts are anticipated to heritage resources.

The excavations will occur within disturbed contexts, i.e. road alignments, and any significant material is expected to be below ground, if present at all. For these reasons, prior archaeological survey is not likely to yield any results. Periodic monitoring of the excavation should be undertaken to inspect for any in situ archaeological material, however.

E. ILLUSTRATIVE MATERIAL:

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/ USB 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.

F. RECOMME	NDATION		
In your opinior	n do you believe that a heritage impact assessment is required? 🔲 Yes 🔀 No		
Monitoring by	an archaeologist should be conducted during trenching for the pipeline		
Recommenda	ation made by:		
Name Katie	Smuts		
Capacity Ard	chaeologist and Heritage Practitioner		
	No Heritage Impact Assessment should be submitted with this form or conducted until Heritage has expressed its opinion on the need for such and the nature thereof.		
	TION TO BE PROVIDED AND STUDIES TO BE CONDUCTED AS PART OF THE HERITAGE SSMENT (HIA)		
If it is recommended that an HIA is required, please complete this section of the form.			
DETAILS OF STU	JDIES TO BE CONDUCTED IN THE INTENDED HIA		
In addition to	the requirements set out in Section 38(3) of the NHRA, indicate envisaged studies:		
	Heritage resource-related guidelines and policies.		
	Local authority planning and other laws and policies.		
	Details of parties, communities, etc. to be consulted.		
Specialist studies, eg: archaeology, palaeontology, architecture, townscape, visual impact, etc. Provide details:			
Other. Provide details:			
form of a singl incorporated Please refer to	Any further studies which Heritage Western Cape requires should be submitted must be in the e, consolidated report with a single set of recommendations. Specialist studies must be in full, either as chapters of the report, or as annexures thereto. The Guidelines for Heritage Impact Assessments required in terms of Section 38 of the National burces Act (Act 25 of 1999)		

APPENDIX F (iii)

Interim response from Heritage Western Cape on Heritage Impact Assessment Our Ref: HM/ CAPE WINELANDS / STELLENBOSCH/ FARM 11/1674

Case No.: 20032005SB0331E

Enquiries: Stephanie-Anne Barnardt

E-mail: stephanie.barnardt@westerncape.gov.za

Tel: 021 483 5959

Katie Smuts katie@archrsa.com



INTERIM COMMENT

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

HERITAGE IMPACT ASSESSMENT: PROPOSED RE-PURPOSE OF YORK FARM COTTAGES (BOSCHENDAL), R310, DWARS RIVER VALLEY, FARM 11_1674, STELLENBOSCH, SUBMITTED IN TERMS OF SECTION 38(1) OF THE NATIONAL HERITAGE RESOURCES ACT (ACT 25 OF 1999)

CASE NUMBER: 20032005SB0331E

The matter above has reference.

This matter was discussed at the Impact Assessment Committee (IACom) meeting held on 21 July 2021. It was noted that the matter was tabled at Archaeology, Palaeontology and Meteorites Committee (APM) meeting held on the 16 July 2021 whereby the Committee supports the HIA and its findings as well as the recommendations on page 18 of the AIA prepared by Rennie Scurr Adendorff as follows;

- The development team/site foreman should be advised of the type of materials that could occur on site;
- An appropriately experienced archaeologist should conduct a site visit, once during and again after any deep excavation activities on site, prior to backfilling or construction, to identify any evidence for in situ, subsurface LSA material;
- Should any significant, in situ material be encountered on site, work in that area must stop immediately, and HWC should be notified so that they can advise of the appropriate way forward; this may include further inspection and mitigation by an archaeologist;

Should any human burials, or potential burials be encountered, all work should cease in that area, and HWC should be notified immediately to determine the appropriate course of action.

INTERIM COMMENT:

The Committee provisionally supports the HIA and approach prepared by Rennie Scurr Adendorff and dated 22 June 2021 as well as APM comments on the AIA. HWC awaits submission of final HIA (inclusive of the public participation process) to comply with S38(3) of the NHRA.

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.

()

Michael Janse van Rensburg

Chief Executive Officer: Heritage Western Cape

Heritage Western Cape Erfenis Wes-Kaap ILifa leMveli leNtshona Koloni

19 August 2021



Street Address: Protea Assurance Building, Green Market Square, Cape Town, 8000 • Postal Address: P.O. Box 1665, Cape Town, 8000 • Tel: +27 (0)21 483 5959 • E-mail: ceoheritage@westerncape.gov.za

Straatadres: Protea Assuransie-gebou, Groentemarkplein, Kaapstad, 8000 • Posadres: Posbus 1665, Kaapstad, 8000 • Tel: +27 (0)21 483 5959 • E-pos: ceoheritage@westerncape.gov.za

Idilesi yendawo: kumgangatho 3, kwisakhiwo iprotea Assurance, Greenmarket Square, ekapa, 8000 • Idilesi yeposi: Inombolo yebhokisi yeposi 1665, eKapa, 8000 • Iinombolo zomnxeba: +27 (0)21 483 5959 • Idilesi ye-imeyile: ceoheritage@westerncape.gov.za

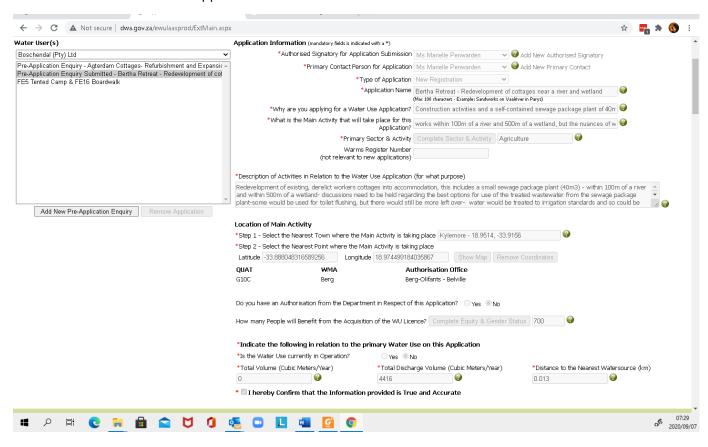
APPENDIX G

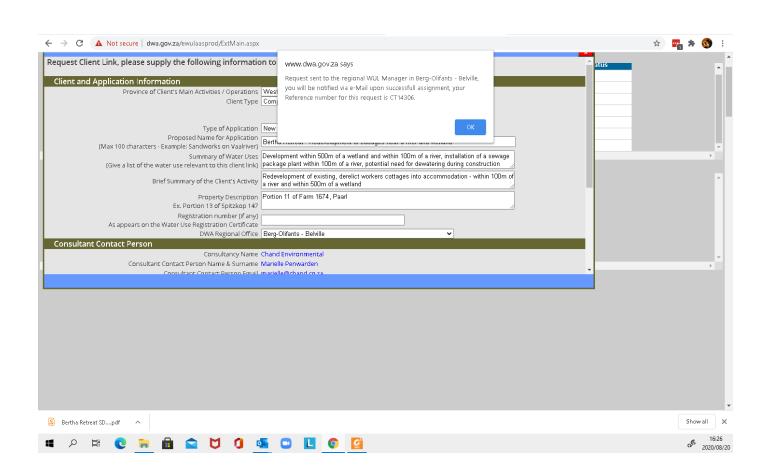
Proof of application to the Department of Water and Sanitation

APPENDIX G (i)

New Retreat GA pre – application submission

New Retreat: Proof ofPre-application GA submission on e -wulaas





APPENDIX G (ii)

Pre – application meetings _ 2 December 2020, 16 February 2021





P.O Box 238 Plumstead, 7801

TEL: (021) 762-3050 FAX: 086 665 7430 F-MAII · info@chand.co.za

Website: www.chand.co.za

13 May 2021

THE PROPOSED DEVELOPMENT OF A "NEW RETREAT" ONPORTI

CHAND REFERENCE NO: 03005

DEA&DP Pre-Application Reference Number: 16/3/3/6/7/1/B4/12/1086/20

DWS Reference: WU17609

PRE-APPLICATION MEETING WITH THE DEPARTMENT OF WATER & **SANITATION KEY NOTES FINAL**

DATE: 16 February 2021

VENUE: MS Teams TIME: 11:00 - 12:30

FACILITATOR: Ms. Marielle Penwarden

1. Attendees

FULL NAME	INITIAL	ORGANISATION
Warren Dreyer	WD	Department of Water and Sanitation
Rafieka Johaar	RJ	Department of Water and Sanitation
Shaddai Daniel	SD	Department of Water and Sanitation
Kate Snaddon	KS	Freshwater Consulting Group
William George	WG	Boschendal
Mike Hurworth	MH	MH&A Consulting
Donia Kamstra	DK	Profica
Marielle Penwarden	MP	Chand Environmental Consultants

2. Agenda

- Welcome and Introduction
- Site and Proposal
- Feedback/Discussion
- Close

3. Discussion

3.1 Welcome and Introduction

a) MP welcomed attendees to the second pre-application meeting, which is being held as a follow-up to the first meeting to provide the Department of Water and Sanitation (DWS) with the flood-line information they had requested in the previous meeting of 2 December 2020.

3.2 Site and Proposal

- a) MP showed attendees photographs of the site (refer to Appendix A) and a video thereof.
- b) MP explained that the flood-line analysis had indicated that the whole site is within the 1:100 year flood-line, which is as a result of the dam overflow (refer to flood-line in Appendix B, as displayed during the meeting).

Pre-Application Meeting with DWS 16 February 2021

New Retreat BA

- c) MP noted that the proposed development has been updated to include flood management measures and stream rehabilitation works (refer to Appendix C for the preliminary plans shown at the meeting).
- d) MP clarified that proposed flood protection measures include re-instatement of existing berms and increasing the size of the culverts upstream (under the ou wapad) and lowering the road level to a drift. MP added that stream rehabilitation would also be included, as per recommendations in the freshwater impact assessment report (to be updated).
- e) MH further clarified that the proposed culverts and road level drop would serve to create overflow path, rather than providing an obstruction that results in uncontrolled sheet flow. He added that there are existing berms, but that they are not functioning as they had previously due to collapse in some areas. MH noted that the current height is likely to be acceptable, but that hydrological modelling would be required to confirm this.
- f) WG also clarified that the intention for the cottages is to rehabilitate as much as possible rather than have new builds. WG noted that two cottages would have to be rehabilitated completely and with the others, the intention would be to keep floor slabs and foundations and then rebuild the footprint.
- g) Regarding the proposed servicing (refer to Appendix C for the plans shown in the meeting), MH noted that the blue line is Wemmershoek Bulk main (located deep under the stream), the red line is the sewer and conservancy tank, noting that there are currently two separate septic tanks and soakaways on site. MH added that the proposed lines have been devised to be as close as possible to the existing cottages and the pump has been designed to be located within an area which is already disturbed. MH also clarified that sewage would be pumped to a conservancy tank for removal from site (but that the long term plan is to connect to the Pniel Waste-Water Treatment Works).
- h) Following a question from SD in that regard, MH confirmed that water for landscaping would come from the potable water line.

3.3 Feedback and Discussion

The discussion is summarised in Table 1.

Table 1 Discussion Summary

	QUESTION	ANSWER
1	SD: What was the original purpose of the berms?	MH: Unsure, but presumably for flood prevention.
2	DK: Are the berms a result of the creation of the stream?	MH: This was a historic watercourse, but previous interventions have affected the watercourse.
3	SD: KS would need to confirm whether the berms are still required, and if so, how would they be altered? SD noted it is important to reduce risk of materials in berms being eroded away during high flood events.	MH: The slope would remain as natural as possible, noting that the 1:2 and 1:5 flood events do not/ would not reach the berms, but others would. MH: Planting and natural storage should provide enough stabilization of the berms. MH: Note that there would be no digging deeper into the stream bed and the proposal would retain current invert levels. There would also be erosion protection to prevent scouring. KS: Note that the stream is currently heavily eroded and incised along a section of river below the site, because of all the flow currently received.
4	SD: Would there be new berms or replacement of existing berms?	MH: The berms have been surveyed and the existing berms would be re-instated, so there would be no additional berming, with the intention being to only put back what was there previously.
5	KS: What would the berm height be?	MH: The intention would be to keep to heights

		that they were previously, but the current hydrologic modelling underway would determine the required height and note that it would also need to allow for freeboard.
6	SD: What kind of traffic would go over the berms?	MH: In the past cattle has moved over the berms, but the proposed development would restrict cattle from accessing the site. WG confirmed that cattle will not graze there any longer.
7	WD: Is it possible to improve the channel so that no berm is needed? Perhaps through lowering the level of the stream?	KS: Theoretically, yes, but this would cause a greater impact, so it is not ideal as it would disturb more of the watercourse.
8	SD noted concern regarding water velocity (and changes as a result of the proposed development) and the downstream impacts. This should be addressed in the risk assessment.	MH & KS: The velocity would be considered in the updated flood-line study, flood management design and rehabilitation plan. MH: Note there would be no deepening of the watercourse and it would flow naturally.
9	SD: The stream should be rehabilitated, and diversity created.	KS: Noted, this will be included in the rehabilitation plan.
10	SD: Note that rehabilitation must also make sure that the wetland is accounted for.	KS: Noted, this will be included in the rehabilitation plan.
11	RJ noted that the risk assessment matrix would need to be updated and provided to DWS.	KS noted this and confirmed that it would be included in the updated Freshwater Impact Assessment Report.
12	SD and RJ noted that the Rehabilitation Plan/ Maintenance Management Plan would need to provide an overview of what is proposed and what will be done when.	All agreed that the freshwater impact assessment report would be updated with a rehabilitation plan that would cover specific rehabilitation and maintenance measures for the site/proposed development and note general principles for the farm, with the understanding that DWS will, in future, require a Maintenance Management Plan for the farm.
13	SD indicated that DWS would, in future, ask for a Maintenance Management Plan for the entire farm, but that it does not need to be developed in detail for the New Retreat project.	This was noted by the project team.

3.4 Close

a) MP thanked all attendees for their time and closed the meeting at 12:30.

LIST OF APPENDICES

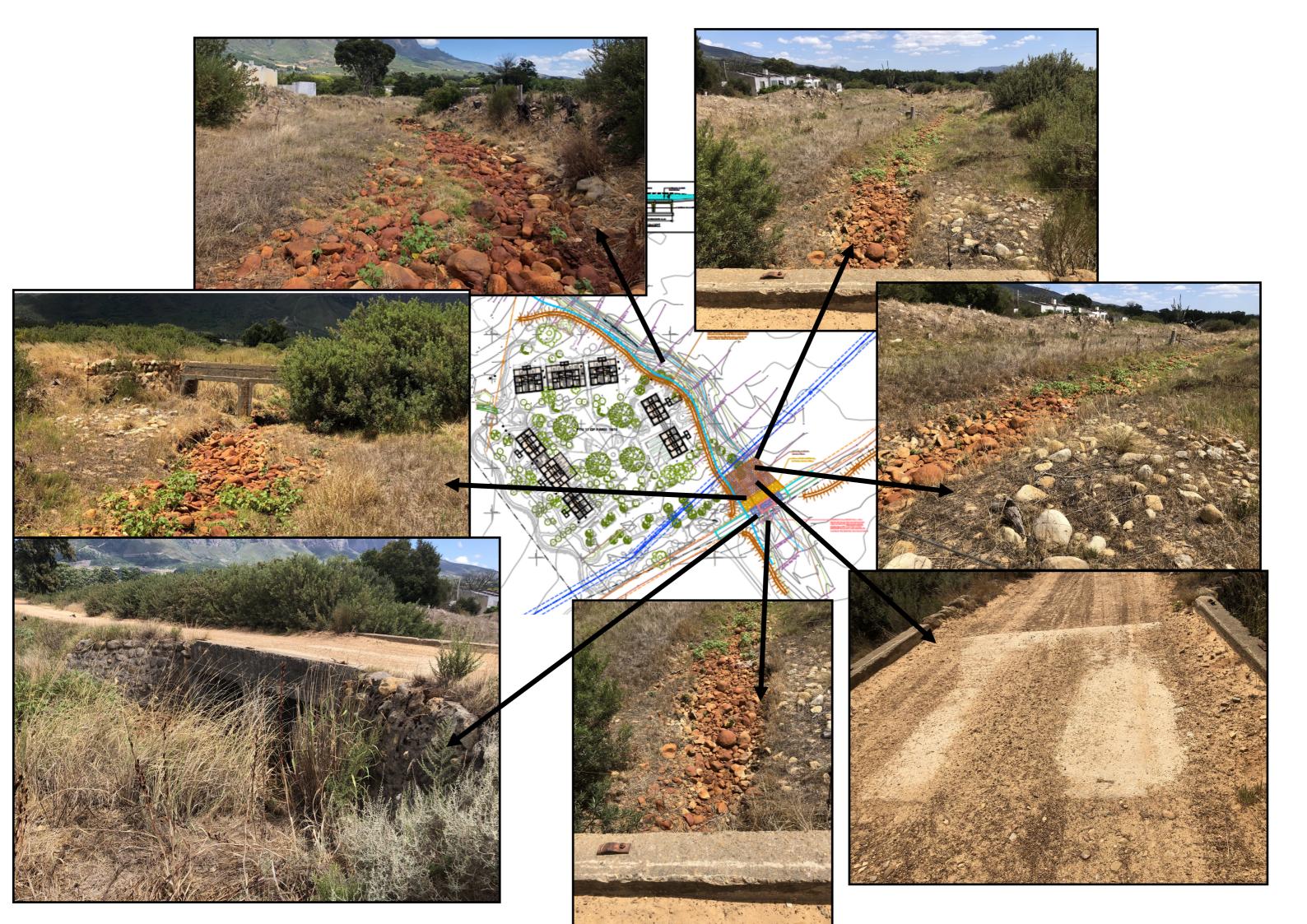
Appendix A: Photographs of the site

Appendix B: Flood Line Site

Appendix C: Preliminary Plans _ Flood management measures & stream rehabilitation works

APPENDIX A

Photographs of the site

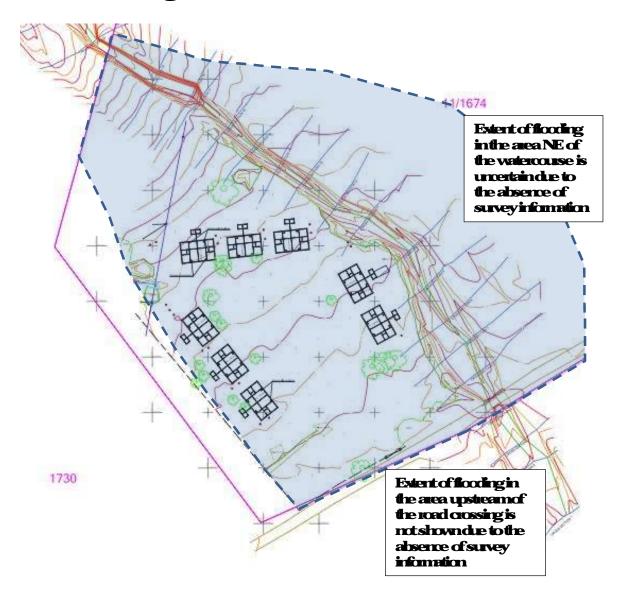


APPENDIX B

Flood line site

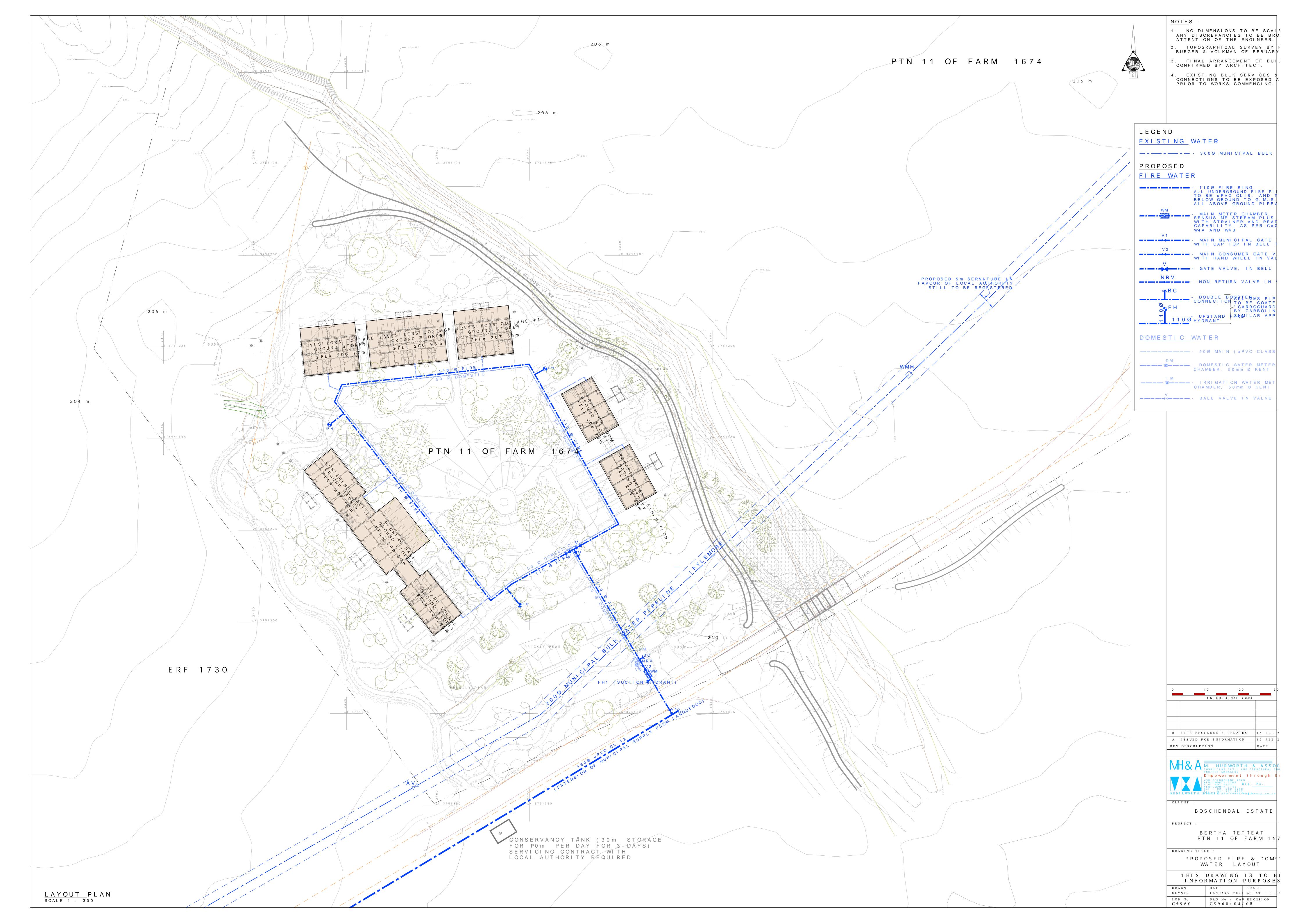
Annexure D: Flood Lines: Existing

The shaded area on this diagram indicates the extent of the site that is likely to be affected by the 100 year flood due to water by passing and/or overtopping the existing road crossing. The extent of flooding upstream of the road crossing is not shown

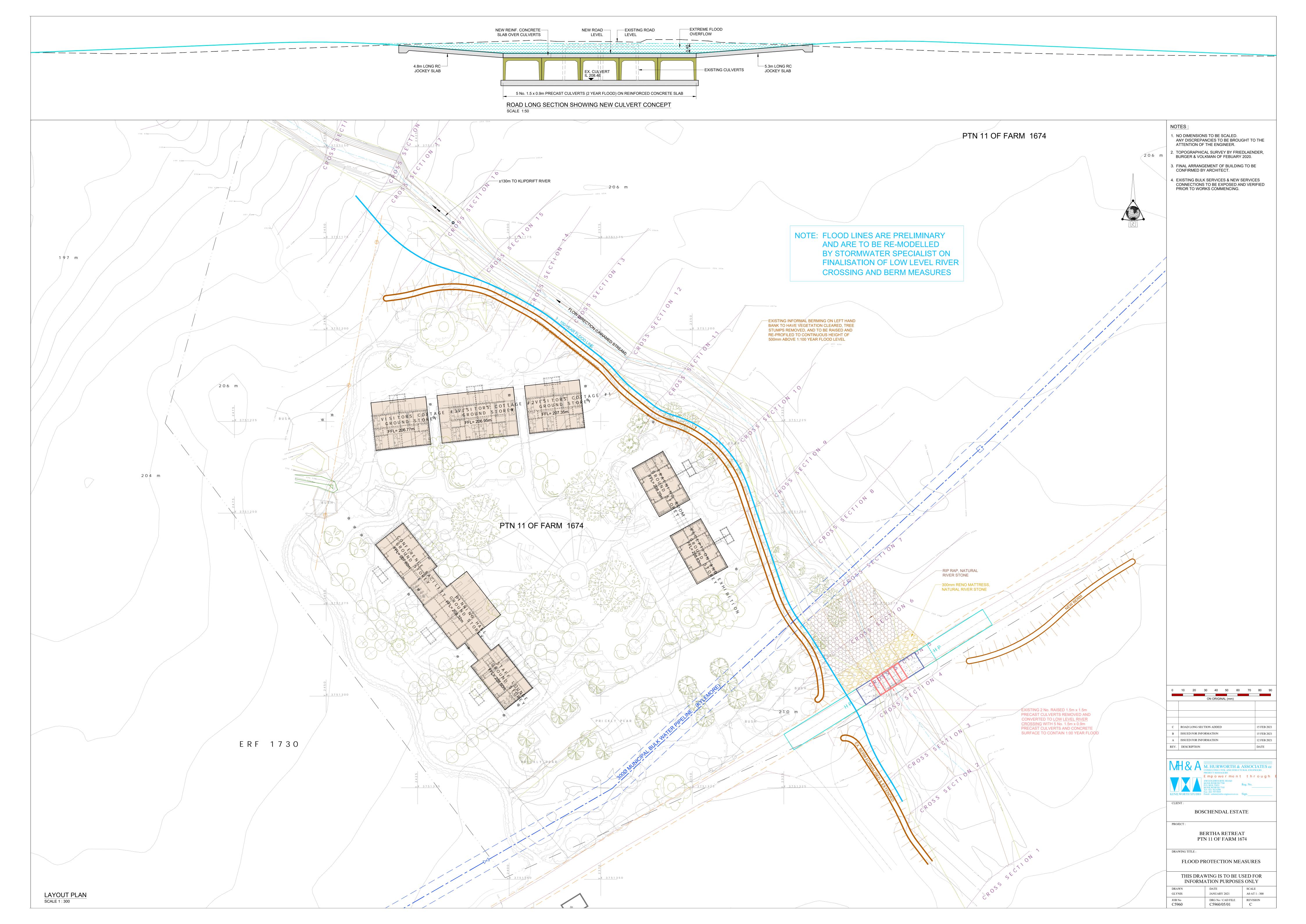


APPENDIX C

Preliminary Plans _ Flood management measures & stream rehabilitation works.

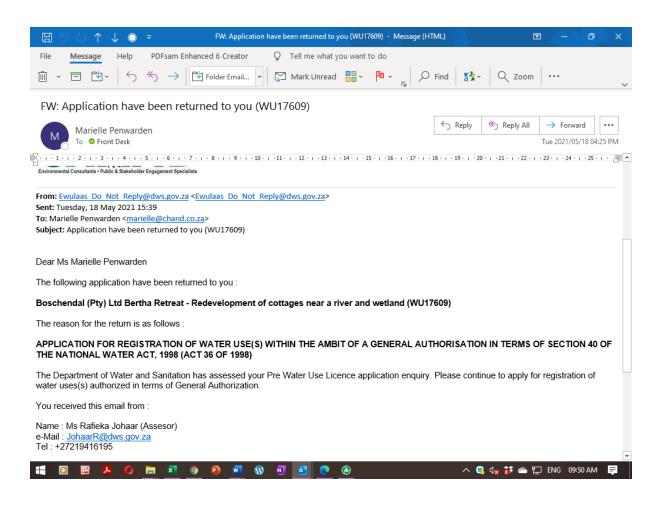






APPENDIX G (iii)

Confirmation from DWS for a General Authorisation



APPENDIX H

Exception Notice(s)

NOT APPLICABLE

APPENDIX I

Proof of zoning of the properties to be developed



Our Ref Contact person

: 1674/11 P : P Molele

Contact no Date

: (021) 808 8951 : 04 Óctober 2018

ZONING CERTIFICATE

Farm No. 1674/11, PAARL DIVISION.

It is hereby certified that the zoning of Farm No. 1674/11 Paarl Division, in terms of the Zoning Scheme Regulations (PN 1048/1988) promulgated in terms of Section 8 of Land Use Planning Ordinance (No. 15 of 1985), is:

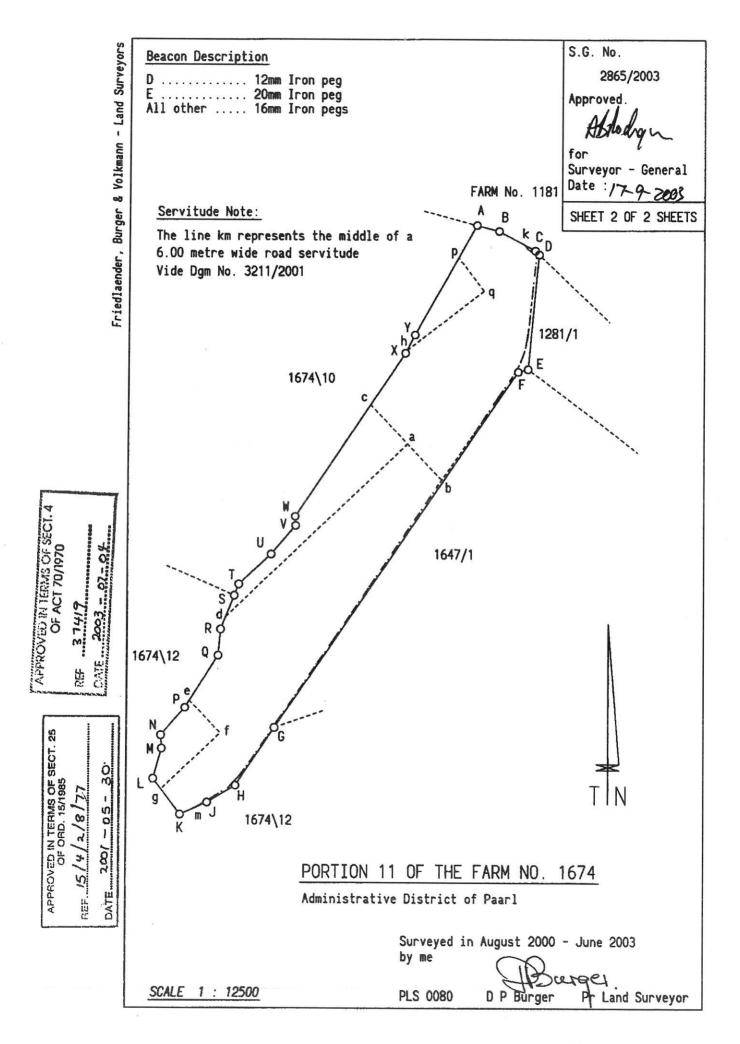
Agricultural Zone I

PRIMARY USE	CONSENT USE					
	Land uses allowed with the consent of Council.					
Agriculture	Additional dwelling units					
	Farm stall					
	Farm store					
	Intensive feed farming					
	Riding school					
	Nursery					
	Service trade					
	Tourist facilities					
	Guesthouse					
	Aquaculture					
	Rooftop Base telecommunication station					
	Freestanding base telecommunication station					
	Renewable energy structure					

Director: Planning & Economic Development

Please Note:

Where discrepancies exist between the zoning information contained in this certificate and any Council decision, Council's decision override the contents of this zoning certificate.



	SIDES	ANGLES OF DIRECTION		CO-ORDII Y System M	NATES IG 19° X	S.G. No.
	l	Constants :		0,00	0,00	
AB BC CD DE EF GH HJ KL LM NP PQ QR ST TU UV WX XY YA	79,63 141,60 18,98 399,41 35,01 1496,79 240,24 114,83 101,86 155,03 108,85 45,75 125,54 215,46 90,96 126,15 41,93 153,00 129,99 33,01 682,53 71,64 437,10	DIRECTION Constants: 284 32 50 298 38 30 314 06 40 5 15 00 74 48 00 34 09 00 33 47 10 58 40 30 65 45 50 143 12 10 195 22 30 176 11 20 220 57 00 211 44 30 185 10 40 201 47 10 201 48 40 226 38 50 220 30 20 176 26 20 213 45 20 207 42 00	A B C D E F G H J K L M N P Q R S T U V W X Y	9 System 9 0,00 1380,92 1303,84 1179,57 1165,94 1202,49 1236,27 2076,53 2210,13 2308,22 2401,10 2493,96 2465,10 2468,14 2385,86 2272,51 2264,30 2217,48 2201,90 2090,65 2006,22 2008,27 1629,03	IG 19° X	Approved. Ablada for Surveyor - General Date: 7-9-203 SHEET 1 OF 2 SHEETS
	497 498		Δ + Δ +	3832,38 4138,34	+ 3751650,78 + 3749355,50	

The figure A B C D E F G H J K L M N P Q R S T U V W X Y represents 76,0665 hectares

of land, being

PORTION 11 OF THE FARM NO. 1674

Situate in the Stellenbosch Municipality Administrative District of Paarl Surveyed in August 2000 - June 2003 by me

Province of Western Cape

This diagram is annexed to No. 2853/2003

Dated i.f.o. Pegistrar of Deeds

PLS 0080 D P Burger Pr Land Surveyor

File No. Parl .1674
S.R. No. E 1362/2003

Comp BH—8DBB (3779)
LPI C0550000

APPENDIX J

Existing Approvals

REFER TO APPENDIX I

APPENDIX K

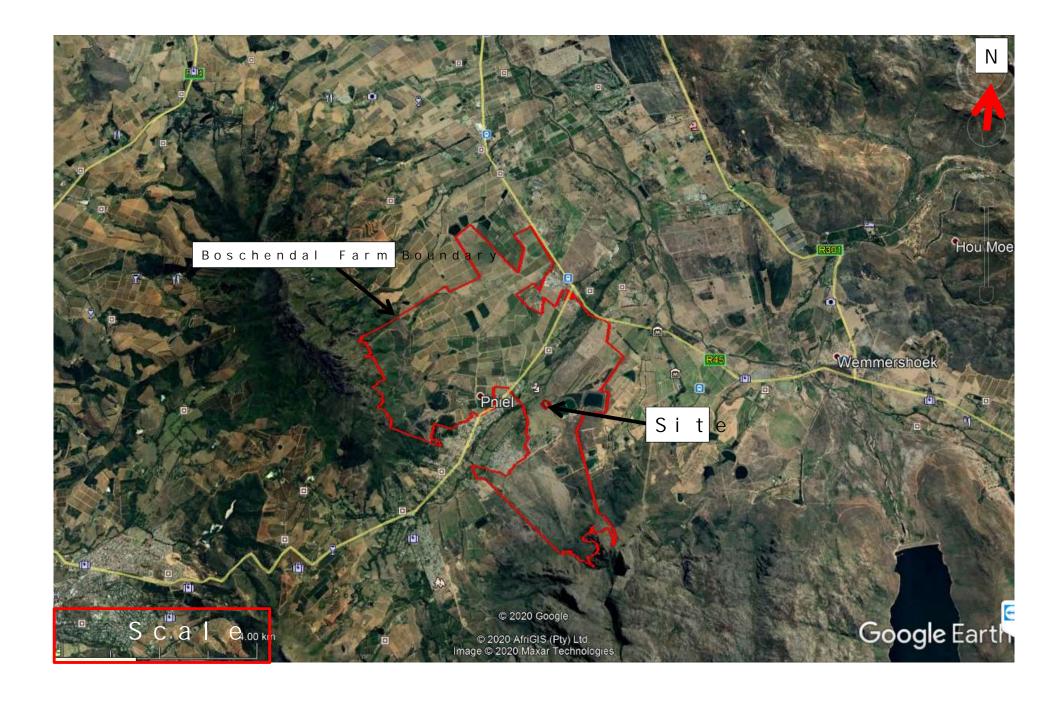
Project Plan

	New Retreat Basic Assessment Programme as of 16 November 2021																												
	Year 2021								2022																				
	i cui	November November							December January February March April May											June									
No.	Task	Duration (working days apart from legislated timeframes	1	2	3	4 1	2	3	4 5	5 1	2	3	4	1 2	2 3	4	1	2	3 4	5	1	2	3 4	1	2	3 4	4 1	2	3 4 5
	BA: Pre-Application Activities																												
	Identification of I&APs Preliminary identification is completed, but I&AP database is updated 1 throughout the process Public Review of Draft BAR & HIA and all specialist reports (30 plus 5 2 days)	Completed Completed																											
	3 Additional Stakeholder Engagements, as required	Completed																											
	Update BAR and other specialist reports following comments 4 received	Completed																											
	5 Compile Comments and Response Report	Completed																											
	6 Submit pre-application BAR and CRR to HWC	Completed																										$oldsymbol{ol}}}}}}}}}}}}}}}}}}$	
	BA: Application and Post-Application Activities																												
	7 Completion of Application Form	10					\sqcup			1	Ш	_	_				_		<u> </u>								!	\vdash	
	Applicant/Project Team Review of Application Form	5	\vdash	_									_									_						\vdash	
	Finalisation and Submission of Application Form to DEA&DP Within 90 days from the date of receipt of the application, the Final Basic Assessment Report must be submitted to the authorities.	3																											
1	DEA&DP to acknowledge Application and provide reference number	2											_																
1	1 Notification of availability of BAR & HIA and EMPr for public comment	5																											
	Public comment Period for BAR & HIA and EMPr Statutory 30-day comment period	30																											
	4 Compilation of CRR #2	10	igsquare			\perp	igspace									igsqcup											 _'	igspace	
	5 Finalisation of BAR and EMPr for submission	5	igspace				igsquare				Ш					$oxed{oxed}$											 '	\sqcup	
	6 Applicant/ Project Team Review of final BAR and EMPr	5	$\sqcup \bot$		\perp		$\sqcup \bot$				\sqcup	_				$\sqcup \!\!\! \perp$	\perp	\perp	_	$\sqcup \downarrow$			\perp	$\sqcup \bot$		\bot	'	\sqcup	
	7 Amend and submit final BAR and EMPr to DEA&DP	5	$\sqcup \bot$	\perp			$\sqcup \bot$				\sqcup	_															'	\vdash	
	B DEA&DP to Decide on Application	107	$\sqcup \bot$		\perp		$\sqcup \bot$				\sqcup	_															'	\sqcup	
	9 DEA&DP to notify client of decision	5	$\sqcup \bot$	\perp			$\sqcup \bot$				\sqcup	_				$\sqcup \bot$	\perp	\perp	4	$\sqcup \downarrow$		_		$\sqcup \bot$	\perp			igspace	
	Notification of decision to I&APs	7																										igspace	
2	1 BAR 90-day period	90																		1 1							1 /		

EAP
Applicant
DEA&DP
Public Comment Period
Annual Shutdown Period

APPENDIX L

Locality Map



APPENDIX M

Site Development Plan



APPENDIX N

Landscaping Plan



REVISION SCHEDULE

Landscape Plan to be read in Architects' and Engineers', a

/ Irrigation water source is to

LANDSCAPE WORKS SOFT LANDSCAPING NOTES SITE CLEARANCE

SITE CLEARANCE
Clean site for planting by removi
Landscape Architect's Tree Plan,
foreign material and stone large:
Existing trees, that are indicate
accordance with TERRA+ Tree Docui
proposed within the root zone of with great care and by hand only Appointed Landscape Contractor s with any underground services, a: NEW PLANT MATERIAL QUALITY Acquire all plant material from Plants to be typical of their spe developed branches and vigorous Plants are to be free from damage disfiguring knots, insects, pest All 2 L, 4 L, 10 L, 20 L and 50 bag size.

All new 100L, 200L, 400L, 1 000L well branched, healthy, vigorous

strong root system. Trees are to Landscape Architect's Planting De All soft material to be approved commencement of its planting. For detailed information on Soft Specifications Document. All proposed plants' positions a pegged out on site by future appo approved by the Landscape Archite WATER USE IN LANDSCAPE AND IRRIG. Since only alternative sources of irrigation (i.e. not potable wat implemented during the first win works completion. The choice of plant material to irrigation required, once plants long period, following the complo excludes permaculture kitchen gaı both require a more regular irri: Irrigation system to be installed preferably a registered member of Association (LIA). The contractor the irrigation system so as not works may only commence once mai supplied and commissioned and ad-All planting areas (where irrigairrigated by a fully automated in seasonal adjustment controller

sufficient pressure and flow for Contractor to look out for wet sp controllers, service/replace dama HARD LANDSCAPING NOTES All layer works and compaction to specification and approval.

Sample pavers must be supplied for Architect of all types of paving Paving is to be done in accordant drawings, but for paving details, structural specifications, refer BERA GRAVEL FIX PRO Permeable 'soft' paving to be do: Architects details and specifica specialist supplier COMPACTED EARTH FOOTPATHS AND ARI

TREE PLANTERS, VARIOUS LANDSCAPE AND PERGOLAS All hard landscaping works are t Landscape Architect's design by specialist sub-contractors. All communicated to and designed by Landscape works shall be implemen District Manager: Environmental I completion is achieved, landscape Department of Recreation and Parl HORTICULTURAL AND GENERAL MAINTEI All landscape works indicated wil months after practical completion by the contractor to inspect the Keep landscaped areas free of wee Replace sick or dead plants immed according to the Specification D Report any damages to Landscape . For detailed Maintenance Requirer Maintenance Document by TERRA+ L;

BERTHA RE Boschendal Farm 1674 /

BERTHA FOUNDAT



LANDSCAPE PLAN

DRAWING NUMBER REV. DRAWING PURPOSE 110-0 % . From Autho

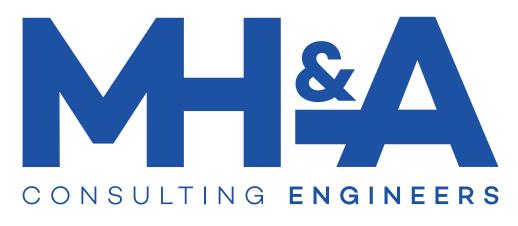
as shown2@2A10-0131K29

Ankia Bormans Director & Principal Landscape A Prof. Landscape Architect, Reg.

PLEASE NOTEEDESIGN ON THIS DRAWING AND REMAINS THE PROPERTY OF THE

APPENDIX O

Civil Services Report



EST 1991

CIVIL ENGINEERING SUPPLEMENTARY SERVICES REPORT

(including Interim Potable Water supply)

PROJECT:

New Retreat, Boschendal Farm Ptn. 11 of Farm 1674

PROJECT NUMBER: S5960 / 2021

DATE
10 November 2021

PREPARED BY:	CHECKED BY:
M P MIDDELMANN	M A HURWORTH

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1 BACKGROUND

Services reporting for the proposed New Retreat on the Boschendal farm, Portion 11 of Farm

1674, has been addressed in the Neil Lyners & Assoc. report (ref C20087/COR/RS/rs/03) of

12 August 2020.

Subsequent to the Lyners report, Mutaba Hurworth & Assoc. (MH&A) have assumed the civil

consultancy service on this project, and there has been further design development as well as

engagement with the Stellenbosch Municipality.

The following comment is made on certain engineering services, progressed since the Lyners

report, and is supplementary to the Lyners report.

2 WATER SUPPLY

2.1 LINK INFRASTRUCTURE

It has been confirmed by Stellenbosch Municipality (refer capacity letter by Colin Taylor, dated

19 April 2021) that the preferred water supply option will be from the existing municipal

reticulation network in Languedoc.

A new 160mm diameter uPVC link main is proposed to be constructed from a connection point

(exact location still to be finalised) on the northern fringe of the Languedoc PRV water

distribution zone.

This pipe will be aligned along Hoof Road and into Boschendal property. A bulk meter will be

required at the Boschendal boundary, and the pipeline will continue as a private main up to

the Retreat development, on Ptn 11 of Farm 1674.

The route investigation and detail design of this link infrastructure will be subject to a formal

engineering approval process.

The water demand for the New Retreat is estimated at 13,4m³/day, as indicated in the Lyners

report, and the local authority has confirmed that sufficient capacity exists (again, refer

capacity letter of 19 April 2021).

MUTABA HURWORTH & ASSOCIATES cc 43 Goldbourne Road, Kenilworth, Cape Town 021 762 6290

A member of SAICE, CESA and SAISC

MH&A drawing C5960 / 06 Rev B, appended as Annexure D, indicates the link pipeline schematically.

2.2 PRIVATE RETICULATION

The link main will continue into Boschendal farm, along Hoof Road, and terminate at the New Retreat, to supply both potable and fire water to the development. This supply will be managed through a private sub-meter, and is proposed to separate on-site into a 110mm uPVC Class 16 fire ring and a 50mm uPVC Class 12 domestic system.

Further layout detail of the private and on-site reticulation is indicated on MH&A drawing C5960 / 04 / 02 Rev H, included in Annexure B.

2.3 INTERIM PRIVATE RETICULATION

Due to difficulties experienced in obtaining approvals and consent for traversing private property owned by The Boschendal Trust for the construction of the new bulk water main an alternative interim potable and fire water system is proposed.

The proposal involves tying into the existing York Dam 300mm diam irrigation supply line that currently feeds a part of the Boschendal Estate irrigation reticulation. There is an existing take-off for water supply to existing houses just off Hoof Road withing the York Farm boundary. (MH&A dwg number C5960/07 RevA refers).

The existing connection will be upgraded to a 160mm connection.

A new 160mm diam uPVC Class 12 pipe will be laid as shown to supply the New Bertha Retreat development.

The new pipe route requires 282m of the abovementioned pipe, excavated and buried within the Hoof Road current road reserve.

Approximately 20m of this pipe will be strapped to the existing culvert structure crossing the perennial stream.

The pipe will terminate at the entrance to the New Bertha Retreat.

A 160 mm diam uPVC Class 12 connection will be T d into the main line and feed the proposed meter chamber within the development boundary.

The internal reticulation will be exactly as proposed for the future Municipal system.



In the interim a holding tank and combination sand filter and Ultra-violet water treatment plant will be installed to treat the irrigation water to the required quality and standard for Municipal potable water.

The Fire Water will be supplied as indicated on the attached layout and will be controlled by Fire Truck.

Further layout detail of the private and on-site reticulation is indicated on MH&A drawing number C5960/07 Rev A Appendix E

3 SEWER RETICULATION

3.1 PUMPED PRIVATE SYSTEM

There is no existing functional sewer system for the development. The historic pipe and septic tank systems have been abandoned and will not be rehabilitated.

The new private sewer system comprises a conventional underground 110mm diameter class 34 uPVC gravity pipe and manhole system, collecting waste and ablution flow from all the cottages, as well as washdown from the refuse enclosure.

The system will gravitate to a small underground pumpstation at the western edge of the development. This pumpstation is proposed to comprise two 1,5kW pumps that will operate - return valves, external

wall mounted control panel and alarm link.

The 75mm diameter rising main will be aligned along the south western edge of the development footprint, and discharge is proposed to be contained in a conservancy tank located outside of the development but on private property on the south side of Hoof Road.

The conservancy tank will have capacity for 30m^3 , approximately 3 x the daily flow of 10m^3 . Daily flow is calculated at 75% of daily water consumption. The layout of the on-site sewer system is indicated on MH&A drawing C5960 / 04 / 01 Rev H.

3.2 FUTURE PUMPSTATION AND MUNICIPAL DISCHARGE

The conservancy tank is proposed to be a structure suitable for conversion to a main pumpstation, at a future time when the local authority capacity upgrades to the Dwars River Waste Water Treatment Works (WWTW) between Pniel and Lanquedoc are complete. At this time, the conservancy tank will be equipped as a pumpstation, and a new rising main is



proposed along Hoof Road to discharge into the Lanquedoc pumpstation, which in turn lifts effluent to the WWTW.

The above has been confirmed in principle by Stellenbosch Municipality (refer capacity letter of 19 April), and again will be subject to a formal engineering approval process.

4 STORMWATER MANAGEMENT AND FLOODING

4.1 STORMWATER MANAGEMENT

Stormwater will be managed sensitively, primarily by infiltration through existing soft or new landscaped or permeable surfaces. Car parking areas will be constructed from permeable gravel-fix systems, or permeable grass blocks, and edge restraints will be low and/or have drainage gaps. There will not be any increase in hard surfaces under the post development scenario and it is therefore not envisaged that on-site attenuation will be necessary.

Surface flow that may be generated by extreme or high rainfall events will be allowed to pass through the development by surface escape, without causing flow concentration.

4.2 FLOOD CONTROL

Flood management measures to protect the development from flooding of the adjacent watercourse will be required. These measures comprise the conversion of the existing culvert crossing on Hoof Road to an engineered low level road crossing to contain flood flow safely under and over the new culverts, within the river corridor. The existing berm on the development side of the watercourse will also be formalised to be continuous, reprofiled and raised.

These measures are in accordance with the Flood Study report by Mark Obree of 25 February 2021, and are indicated on the MH&A flood protection drawing C5960 / 05 / 01, included in Annexure C.



Report prepared by:

Report reviewed by:

M P MIDDELMANN

M A HURWORTH Pr Eng

MUTABA HURWORTH & ASSOCIATES



APPENDIX A: SEWER LAYOUT

Refer Drawing C5960 / 04 / 01 Rev H included overleaf.

APPENDIX B: WATER LAYOUT

Refer Drawing C5960 / 04 / 02 Rev H included overleaf.



