



Photo B. 1-7. (S26°14' 27,3; E27°52'47.4). Existing Credo Mutwa Cultural Village.



Photo B. 1-8. (S26°11'8,52"; E27°52'55.5)
Mine acid Pollution Zone 4

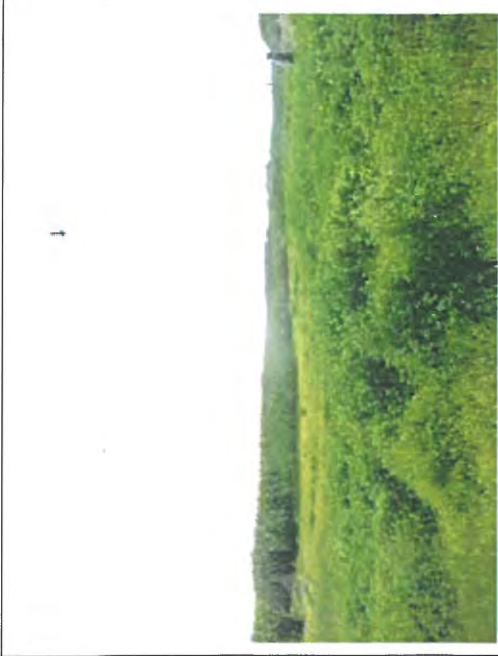


Photo B. 1-9. Typical Wetland vegetation

APPENDIX B.2 - PHOTOGRAPHIC RECORD OF OBSERVATIONS IN ZONE 4



Photo B. 2-1. (WP 914): Residential establishment in close proximity to the dam.



Photo B. 2-2. (WP 915): Water extraction by a water pump truck at Fleurhof dam. Availability of Water use license to be established.



Photo B. 2-3. (WP 917): Damaged Storm water outlet infrastructure.



Photo B. 2-4. (WP 923): Illegal dumping of waste along the dam.



Photo B. 2-5. (WP 924): Building Rubble along Fleurhof Dam



Photo B. 2-6. (WP 929): Development within the wetland area.



Map showing the impact activities as depicted by the waypoints in close proximity to the Fleurhof Dam in Zone 4 of the Study Area.

APPENDIX C: FACILITY ILLUSTRATION(S)

APPENDIX C: FACILITY ILLUSTRATION(S)

The detailed specific illustration of these interventions from the engineering perspective is shown below.

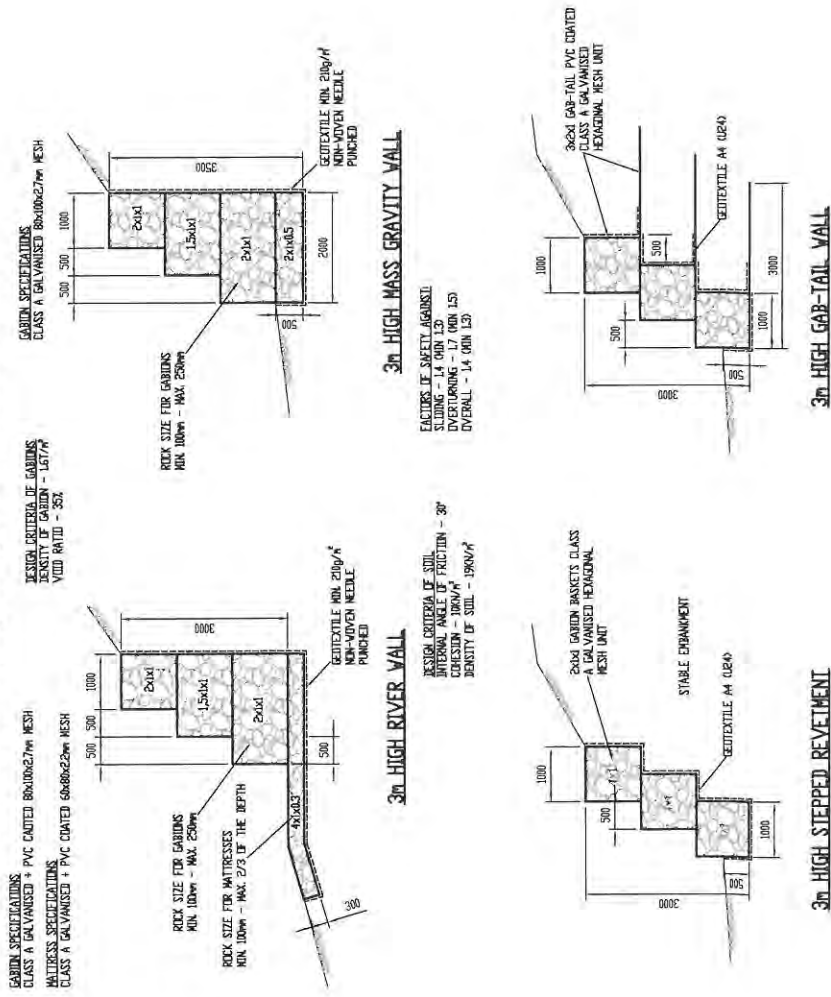
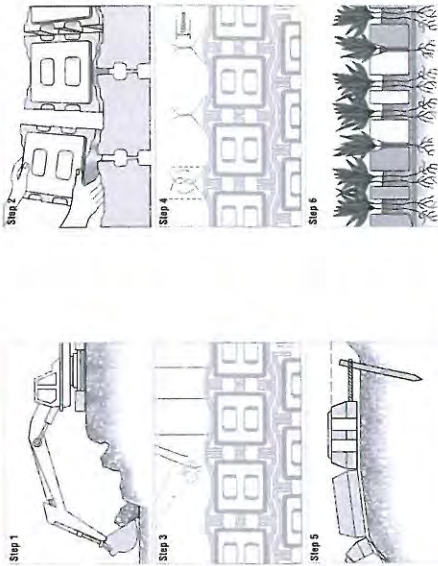


Illustration C.1-1: Specific illustrations of engineering interventions - Gabion Structures for the protection of river banks.

For shallow stream rehabilitation as an alternative the Armorflex-blocks have been recommended.

The 6 easy steps to site assembled Armorflex...



Step 1. Site preparation: excavation, trimming & compaction
Prior to laying Armorflex, the base material must be graded to the required level and should be compacted to a firm and even finish. The top surface of the excavation should be level and free of loose material. The angle of repose of the in situ material must not be exceeded. Maximum desired slope is 1:1.5.

Step 2. Hoisting & placing by manual labour
Armorflex blocks should be placed in a straighter bond pattern to achieve the mechanical interlock. In areas such as culvert inlets and outlets, the blocks should be placed to allow for access to the cable ducts.

Step 3. Wiring up in situ
The wire is easily pushed through the cable ducts in the blocks. The wire should be secured to the blocks using the provided cable ties. The wire should be secured to the blocks on the application. A 3.17mm diameter galvanneal fencing wire or similar may be used to secure the wire to the blocks.

Step 4. A final twist to the wire
Galvanneal wire can be twisted across the block joint for a length of minimum 100mm or a suitable knot used on the polyester cable.

Step 5. Anchorage
Armorflex placed on steep slopes may slip on the geotextile until the system has settled. Temporary or permanent anchorage can be achieved with steel or wooden pegs through the top cable ducts.

Step 6. Finishing
Armorflex subject to wire attach should be placed with a minimum 100mm gap between blocks. The wire should be secured to the blocks and secured to develop natural vegetation.

Technicrete Hours
Technicrete is available 24 hours a day, 7 days a week.
Tel: 011 834 4054 - Fax: 011 837 1822
Email: info@technicrete.co.za
www.technicrete.co.za

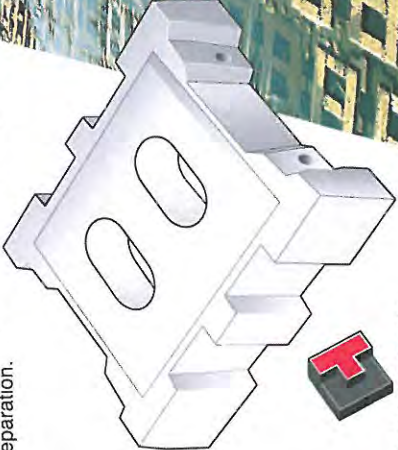
Branches:
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Grahamstown: 021 331 1207/799

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**TECHNICRETE®
Armorflex®**

The engineered solution for simple erosion protection

Technicrete Armorflex® erosion control system provides an alternative for a wide variety of erosion control and drainage projects. Technicrete Armorflex® system is flexible, conforming to ground contours, settling without cracking, and requires limited ground preparation.







TECHNICRETE
quality support





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Illustration C.1-2: Step by step specific illustrations Armorflex technology proposed for shallow stream rehabilitation.




Interventions Fauna and Flora Assessment	Images	Location	Co-ordinates
<p>Mulching Slopes to be rehabilitated need to be stabilised with a layer of geotextile then seeded making them ready for mulching.</p>		<p>Mulching can be implemented at the Orlando West section of the WMU and the Klipspruit Road to Chris Hani Road section of WMU</p>	<p>-26, 151064 S; 27, 534582 E</p>
<p>Erosion Control Fences (Gabions) Traditional stone gabions have a place in any rehabilitation plan and are especially useful for rehabilitating degraded drainage channels and donga systems.</p>		<p>Various sections on the Klipspruit Valley Road to Chris Hani Road are eroded and need gabion support i.e.</p>	<p>(-26, 239247S; 27, 87292 E)</p>




<p>Erosion Control Fences (Box Gabions) Traditional stone gabions have a place in any rehabilitation plan and are especially useful for rehabilitating degraded drainage channels and donga systems.</p>		<p>The Jabavu section also has various points needing gabion structures</p>	<p>(-26, 238839 S; 27, 871249 E)</p>
<p>Erosion Control Fences (Gabions Matresses) Traditional stone gabions have a place in any rehabilitation plan and are especially useful for rehabilitating degraded drainage channels and donga systems.</p>		<p>The Jabavu section highly eroded and in need of gabion support structures</p>	


<p>Erosion Control Fences (Gabions Matresses) Traditional stone gabions have a place in any rehabilitation plan and are especially useful for rehabilitating degraded drainage channels and donga systems.</p>		<p>Dorothy Nyembe Park</p> 	<p>-26. 22.2 0.53 S; 27.87 41.01 E</p>
<p>Gravel bags: Used to filter large silt particles or reduce flow velocity</p>		<p>Sedimentation at Klipspruit Valley Road to Chris Hani section of WMU</p> <p>Sedimentation at Dorothy Nyembe Park</p>	<p>(-26, 256519 S; 27,891401 E).</p> <p>26 13 21.33 S 27 32 45.86 E</p>
<p>Treating footpaths Treating footpaths is a simple technique for preventing soil erosion and rehabilitating degraded landscapes.</p>		<p>Across study area</p>	



<p>Preventing Overgrazing and animal trampling The first step in preventing overgrazing of wetlands is ensuring that the grazing capacity of the wetland is not exceeded</p>		<p>Across study area, with specific need in Zone 2.</p>	
<p>Invasive alien species control Eradication of these species can be achieved manually or mechanically. Some methods include the use of herbicides, grazers or pathogens, which require careful use as they can impact on the wetland health indirectly.</p>		<p>Across study area</p>	
<p>Soil bioengineering techniques Soil bioengineering techniques refer to the use of a variety of plant species without any artificial materials</p>		<p>Across study area</p>	

<p>1. Addressing illegal dumping All rivers and parks should have no dumping signs (although these have proved ineffective); 2. There should be cleaners and caretakers appointed at various sections of the management unit; 3. River clean ups should be more frequent; 4. Penalties and fines should be charged for non-compliance</p>		<p>Across study area</p>	
<p>Unsustainable reed harvesting 1. There should be times set aside for harvesting so that the reeds will have time to regrow; 2. There should be yields agreed upon; 3. There should be fines for illegal and over-harvesting.</p>		<p>Across study area</p>	
<p>Concrete weirs “This type of structure is used to address head cut and/ or channel erosion by trapping sediment and raising the local water table to encourage overland flow (i.e. rewetting a wetland)” Earth berms/plugs Earth berms are structures used to divert or retain water. They are used to increase water levels in a wetland above historic levels to create open water. Berms are beneficial to residential areas as they protect the neighbouring properties from flooding.</p>		<p>CVCB and Zone 1-2</p>	<p>26°13'52.32" S, 27°55'38.17" E</p>
		<p>All wetland assessment zones, more especially in Zone 1.</p>	<p>26°13'52.32" S, 27°55'38.17" E</p>

<p>Sediment Control (Sand bags) The channel valley bottom wetland and all its associated wetlands of the Klip-Middle Soweto WMMU will require sandbags in their riparian zones as means of sediment control and flooding control.</p>		<p>All wetland assessment zones</p>	
<p>Drains and gully control It is important to stabilise gully sides and also to stop the vertical erosion in the gully. This prevents the further lowering of the water table. Variety of materials: herbaceous or woody plants, hay bales, clay plugs, gabions filled with rock, a geo-textile lining, soil, or even just packing loose rock against head-cut faces can be applied in the controlling of gullies.</p>		<p>All wetland assessment zones</p>	
<p>Removing the siltation in blocked culverts</p>		<p>Across study area</p>	
<p>Regular maintenance of the culverts crossing the river system</p>			
<p>The silted up river banks must be restored to mimic the original cross sections</p>			

<p>Removal of sedimentation/siltation at the river banks in such a manner that it blends with the surrounding natural area. This will reduce soil erosion and improve natural re-vegetation;</p>			
<p>Improvement of waste collection and disposal at the communities to alleviate illegal disposal of waste;</p>			
<p>Construction of flood protection berms at areas located close to the water resource;</p>			
<p>Continuous Water quality monitoring must be undertaken and action/corrective measures must be implemented in order to protect the water resources;</p>			

<p>Conduct audit to assess the sewage design capacity and treatment plants infrastructure if they are suitable for the current population Soweto is having;</p>		<p>Across study areas</p>	
<p>Implement an educational programme for the people of Soweto about importance and value of wetlands and riverine systems; Actively enforce restrictions on dumping in wetlands and riverine systems; and establish wetland monitoring programme to assess the wetland state after rehabilitation</p>		<p>Across study areas</p>	
<p>Site and drill at least six monitoring boreholes adjacent to the wetland.</p> <ul style="list-style-type: none"> • The Siting of the boreholes should use geophysical survey techniques to increase the chances of intersecting geological structures that influence groundwater flow at the site • The boreholes should be pump-tested to determine hydraulic parameters of aquifers at the site, to used later in groundwater modelling. • Groundwater from the new monitoring boreholes should be sampled quarterly, and water levels measured monthly. • Water quality parameters to be monitored should include, but not limited to the following: pH, EC, TDS, Ca, Mg, Na, K, Fe, Mn, Cu, Pb, Zn, Cd, Cr, Cl, SO4, F, NO3, PO4, CO3, and HCO3 		<p>Across study area</p>	
<p>Electromagnetic horizontal profiling is recommended in this regard Geophysical surveys lines should be parallel to the wetland in order to locate fracture zone</p>			

<p>perpendicular to the wetland which channel groundwater to the wetland.</p> <p>A groundwater flow and transport model should be developed for the site. The model will be used to predict potential long-term impacts of groundwater on the wetland. The potential impacts to be simulated include migration of contaminants from outside sources to the wetland.</p>			
<p>Archaeologist to check initial site clearance with construction crew for possible heritage resources</p>		<p>During construction phase</p>	
<p>Stop construction if any heritage resources – such as graves, human remains or fossils are identified; and Where any significant resources are found the archaeologist must assess and make the appropriate mitigation requirements</p>			

APPENDIX E: PUBLIC PARTICIPATION INFORMATION

Appendix E1 – Proof of site notice



NOTIFICATION TO INTERESTED AND AFFECTED PARTIES ABOUT THE AVAILABILITY OF BASIC ASSESSMENT REPORT, AS WELL AS THE ENVIRONMENTAL MANAGEMENT PROGRAMME REPORT WHICH WERE PREPARED IN SUPPORT OF CITY PARKS AND ZOO'S APPLICATION FOR AN ENVIRONMENTAL AUTHORISATION IN RESPECT OF REHABILITATION OF THE KLIP MIDDLE SOWETO WATER MANAGEMENT UNIT IN JOHANNESBURG, WITHIN THE CITY OF JOHANNESBURG MUNICIPALITY

Interested and Affected Parties' attention is drawn to the fact that, the projects will be undertaken in different areas within the Water Management Unit (WMU) and as such, must look at the accompanying map delineating the zones of interventions.

Date: September 16, 2016

Document Name: LSES-PI-BAR-Notification Advert t o I&APs

Date: September 16, 2016

Myezo Ref: LS ES , LR ES 2015/ 10/

GDARD Ref No: 002/16- 17/ E0097w

Applicant: City of Johannesburg Municipality (CoJ)

Project locality: The project will be undertaken in various communities of Soweto, which border along the Klip- Middle Soweto WMU. This WMU is roughly bounded by Koma Road on the south-west, Elias Motswaledi on the west, Main Reef Road on the north and Klip Valley Road on the south-east. some of the key suburbs within this WMU, are the Soweto suburbs of Dobsonville, Meadowlands, Molapo, Jabavu, Jabulani, Zondi, Orlando West and Mofolo. (See Figure 1)

Application area co-ordinates: Taken at center of each zone, as follows; (Zone 1) (Zone 2) (Zone 3) (Zone 4):
E 26° 15' 15.30"S, 27°52' 14."E; 26° 14' 44.83"S, 27° 83' 39.53"E; 26° 13' 41.31,20"S, 27° 53'41.171"E 26° 12' 71,75"S, 27° 54'00.33'

Nature of Application: The proposed Environmental Rehabilitation of the Klip Middle Soweto WMU for the CoJ

This project will address some of the pressing issues, as part of its support to the Growth Development Strategy (GDS) goals, which advocate for management of water catchments and sources, namely, water conservation and preservation of the ecological reserve and the goal of reduced water pollution. WMUs play a role in the management of storm water as they act as receiver of storm water diverted through the storm water drains from the city streets to the water units. The wetlands within the WMU serves as a natural filtration system.

The studies will furthermore, highlight the status of the environment in the communities bordering along the Klip Middle Soweto WMU. Crucial data will be collected through specialist studies that will be conducted in the study areas as part of the Basic Environmental Assessment process.

Process followed:

Environmental Impact Assessment process within the WMU as indicated under the project locality above and situated within the COJ.

Notice is hereby given in terms of the National Environmental Management Act, Act 107 of 1998 (NEMA): Environmental Impact Assessment (EIA) Regulations, 2014 R982 (2014 EIA Regulations), Section 41 (2) (a) (b) (c) (d) (e) and (3) published in Government Notices No. R982, under Sections 24 (5) and 44 of NEMA, of CoJ's intention to rehabilitate the Klip Middle Soweto Water Management Unit (WMU).

Lebone Engineering Pty Ltd (Lebone) in association with Myezo Environmental Management Services Pty Ltd (Myezo), has thus been appointed by Johannesburg Parks and Zoo's (JCPZ) on behalf of CoJ to undertake the Environmental Impact Assessment (EIA) for the activities that would require environmental authorisation. As such, notice is hereby given in terms of Section 41 (2) (a) (b) (c) (d) (e) and (3) of the 2014 EIA Regulations, that an application for environmental authorisation has been submitted to the Gauteng Department of Agriculture (GDARD), in terms of NEMA and NEM: WA in respect of listed activities that have been triggered by proposed rehabilitation interventions in the Kip Middle Soweto Water Management Unit. In addition, please note that the application for water related activities will have to be submitted to the Department of Water and Sanitation (D.S). The application for these activities will be made in terms of National Water Act, 1998 (Act No.36 of 1998), Section 21(c). Section 21(l), as part of separate appointments and process.

The activities to be undertaken under this application include: R983 (Listing Notice 3) 04 December 2014 Activity No.4, No 12, No 14(l) (ii) (iii) (v) (vi) (viii) (x) (xii) (a) (b) vi. (x) No.15 (a) I. No.18. (c) vii. xii.

Therefore, Basic Assessment Report (BAR) procedures are being applied to this application. Please be advised that this notice serves to invite interested and affected parties (I&APs) to participate in the EIA process. To ensure that you are registered as an I&AP or to lodge any concern, formally object or seek clarity on the proposed project and request project related documentation, kindly contact Myezo on 082 7722 418 or (012) 998 7642.

Copies of the BAR and Environmental Management Report (EMPR) will be made available at City Parks House, 40 De Korte Street Johannesburg Jabulani Civic centre, Jabavu Library, Dobson Ville Library, Meadowlands Library, Mofolo Library, or alternatively contact Myezo Environmental Management Services (Pty) Ltd on the details provided below. All issues and concerns can be lodged formally (in writing) by either email or fax at the details shown below. All comments on the BAR and EMPR, should be submitted within 30 days of this advert to the EAP by Monday 17th October 2016.

Alternative contacts: Environmental Assessment Practitioner (EAP)
Myezo Environmental Management Services (Pty) LTD
Contact person: Ms Babalwa Fatyi Tel: (012) 998 7642 Fax: 086 543 1698 Cell: 082 7722 418
E-mail: babalwa@myezo.co.za
Address: Postnet Suite B165, Private Bag X 18, Lynwood Ridge, 0040, Pretoria, South Africa

UBUNJINIYELA BELEBONE - EKLIP NASE-SOWETO EPHAKATHI
UKUHLOLWA KWEZEMVELO EMAPHAGI EDOLOBHA NASE-ZOO.
ISAZISO ESIYA KWABANESIFISO NABATHINTEKAYO ESIPHATHELENE NOMBIKO WOKUHLOLWA
KOKUTHINTEKA KWEZEMVELO OKUYISEKELO KANYE NOHLELO LOKUNAKEKELWA KWEMVELO
OLUHLOSELWE UKUSEKELA UCWANINGO NGAMAPAKI EDOLOBHA NEZEMVELO ZASEMA-ZOO,
OLUZOKWENZIWA OPHIKWENI LOKUNAKEKELWA KWAMANZI LWASE-KLIP NASESOWETO EPHAKATHI, EGOLI,
KUMASIPALA WASEDOLOBHENI LASE-JOHANNESBURG

Izinhlango ezinesifiso Nezithintekayo zaziswa ngokuthi kunemisebenzi ezokwenziwa ezindaweni ezihlukahlukene ngaphansi koPhiko Lokuphathwa Kwamanzi (WMU) futhi ngenxa yalokho, kufanele zibheke ibalazwe elihambisana ngalesi saziso elibonisa izindawo okuzosetshenzwa kuzo.

Usuku: September 16, 2016

Igama Laledokhumenti: Isaziso Esiyisikhangiso se- LSES-PI-BAR- esiya kuma-IAP
Usuku: September 16, 2016

Myezo Ref: LSES, LRES 2015/10/AV
GDARD Ref No: 002/16-17/E0 097w

Umfaki sicelo: Umasipala waseDolobheni LaseGoli (CoJ)

Indawo yomsebenzi: Umsebenzi uzokwenziwa emiphakathini eminingi yaseSoweto, esendaweni yaseKlip-Middle Soweto WMU. Le WMU izungezwe umgwaqo iKoma Road eningizimu-ntshonalanga, u-Elias Motswaledi entshonalanga, uMain Reef Road enyakatho kanye neKlip Valley Road eningizimu-mpumalanga. Amanye amalokishi athinteka kakhulu kule WMU, amalokishi aseSoweto iDobsonville, iMeadowlands, iMolapo, iJabavu, iJabulani, iZondi, i-Orlando West neMofolo. (Bheka Isithombe 1)

Izindawo ezithintekayo: Zithwetshulwe maphakathi ne-zone ngayinye, ngokwalokhu okulandelayo; (Zone 1) (Zone 2) (Zone 3) (Zone 4):
E 26° 15' 15.30"S, 27°52'14."E; 26° 14' 44.83"S, 27° 83' 39.53"E; 26° 13' 41.31,20"S, 27° 53'41.171"E 26° 12' 71,75"S, 27° 54'00.33'

Uhlobo Lwesicelo: Ukuvuselelwa Kwemvelo okuhlongozwayo kwe-Klip Middle Soweto iWMU ye-CoJ.

Lo msebenzi uzosingatha ezinye zezinkinga ezikhathazayo, okungenye yezindlela osekela ngazo imigomo ye-Growth Development Strategy (GDS), efuna ukuba kulawulwe ukuqoqwa kwamanzi nemiombo yamanzi, okuwukuthi ukulondolozwa kwamanzi nokulondolozwa kwemvelo nomgomo wokunciphisa izinga lokungcoliswa kwamanzi. Ama-WMU adlala indima ebalulekile ekulawulweni kwamanzi emvula njengoba njengoba kuyiwona amukela amanzi emvula achezukisiwe kusetshenziswa amapayipi enzelwe amanzi emvula asuka emigwaqweni esedolobheni aye ezindaweni zokugcina amanzi. Amaxhaphozi atholakala kuyi-WMU asebenza njengesimiso semvelo sokuhlanya amanzi.

Ngaphezu kwalokho lolu cwaningo, luzophawula ngesimo sezemvelo emiphakathini egudle i-Klip Middle Soweto WMU. Kuzoqoqwa ukwaziswa okubalulekile ngalolu cwaningo olukhethekile oluzokwenziwa ezindaweni okucwaningwa kuzo futhi lokhu kuyingxenywe yenqubo yokuHlolwa Okuyisisekelo Kwezemvelo (Basic Environmental Assessment).

Inqubo elandelwayo: Inqubo Yokuhlola Eyisisekelo
Inqubo Yokuhlola Kwendlela Imvelo ethinteka ngayo ngaphansi kweWMU njengoba kuboniswe ngaphansi komsebenzi owenziwa ezindaweni ezichazwe ngenhla nezitholakala kuyi-COJ.

Lesi saziso sikhishwe ngokuvumelana noMthetho Kazwelonke Wezokunakekelwa Kwemvelo, u-Act 107 of 1998 (NEMA): Imithetho Yokuhlola Indlela Ezemvelo Ezithinteka ngayo (EIA), 2014 R982 (2014 EIA Regulations), Isigaba 41 (2) (a) (b) (c) (d) (e) futhi (3) oshicilelwe eZazisweni Zikahulumeni (Government Notices No. R982), ngaphansi kweSigaba 24 (5) kanye no-44 we-NEMA, wezinhlalo ze-CoJ zokuvuselela uPhiko Lokunakekelwa Kwamanzi (WMU) eKlip NaseSoweto Ephakathi.

ILebone Engineering Pty Ltd (Lebone) ibambisene noMyezo Environmental Management Services Pty Ltd (Myezo), baqokwe yiJohannesburg Parks and Zoo's (JCPZ) bemelela i-CoJ ukuze benze ukuhlola indlela imvelo ethinteka ngayo [Environmental Impact Assessment (EIA)] ngemisebenzi eyenziwayo edinga ukugunyazwa umnyango wezemvelo. Ngenxa yalokho, lesi saziso sikhishwa ngokuvumelana neSigaba 41 (2) (a) (b) (c) (d) (e) kanye no-(3) weziQondiso ze-2014 EIA, zokuthi isicelo sokugunyazwa ngokwezemvelo sifakiwe eMnyangweni Wezolimo WaseGauteng (GDARD), ngokuvumelana ne-NEMA kanye ne-NEM: WA ngokuqondene nemisebenzi enikezwe ohlwini ebangelwe ukuvuselelwa kwemvelo okuhlongozwayo uPhiko Lokunakekelwa Kwamanzi e-Klip NaseSoweto Ephakathi. Ngaphezu kwalokho, sicela uphawule ukuthi isicelo sokwenza imisebenzi ethinta ezamanzi kufanele sithunyelwe eMnyangweni Wezamanzi Nokukhuculula (D.S). Ukufakwa kwesicelo sale misebenzi kuzokwenziwa ngokuvumelana noMthetho Kazwelonke Wezamanzi ka-1998 (Act No.36 ka-1998), iSigaba 21(c). iSigaba 21(l), njengengxenywe yenqubo nokumiswa okuseceleni.

Imisebenzi ezokwenziwa ngaphansi kwalesi sicelo ihlanganisa le: R983 (Uhlu Esazisweni 3) umsebenzi ka- 04 December 2014 No.4, No 12, No 14(l) (ii) (iii) (v) (vi) (viii) (x) (xii) (a) (b) vi. (x) No.15 (a) I. No.18. (c) vii. xii. Ngakho ke, kulesi sicelo kusebenza izinqubo zoMbiko Wokuhlola Okuyisisekelo (Basic Assessment Report [BAR]).

Sicela ukunazisa ukuthi lesi saziso sihlolwe ukumema labo abanesifiso sokufaka izicelo nabanye abathintekayo (I&APs) ukuba babambe iqhaza engubweni ye-EIA. Ukuze uqiniseke ukuthi ubhalisiwe njenge-I&AP noma ukuze ufake isikhalo nganoma yini ekukhathazayo, umelane ngokusemthethweni noma ufune ukucaciselwa okuthile ngomsebenzi ohlongozwayo nokuba ucele amaphepha ahlobene nalo msebenzi, sicela ngomusa uhtintane no-Myezo kule nombolo-082 7722 418 noma ku-(012) 998 7642.

Amakhophi eBAR kanye nawoMbiko Wokunakekelwa Kwemvelo (EMPR) azoholaka e-City Parks House, 40 De Korte Street Johannesburg, eJabulani Civic centre, eJabavu Library, eDobson Ville Library, eMeadowlands Library, eMofolo Library, noma ungathintana noMyezo Environmental Management Services (Pty) Ltd eminingwaneni yokuxhumana enikezwe ngezansi. Zonke izinkinga nokukhathazeka kungathunyelwa ngokusemthethweni (ngokubhala incwadi) bese kuthunyelwa ngekheli lemeyili noma ngesikhahlezi kule mininingwane eboniswe ngezansi. Konke ukuphawula ngeBAR noma izindaba okufanele zihlanganiswe esigabeni se-EIA esidlule kufanele kuthunyelwe zingakadluli izinsuku ezingu-30 zokukhishwa kwalesi saziso zithunyelwe ku-EAP engakadluli uMsombuluko ka-17 October 2016.

Abanye okungaxhunyanwa nabo: Yi-Environmental Assessment Practitioner (EAP) okungabaphathiswa bezokuhlola kwezemvelo.
Myezo Environmental Management Services (Pty) LTD
Umuntu Ongathintwa: Unkosazane (Ms.) Babalwa Fatyi Tel: (012) 998 7642 Fax: 086 543 1698 Cell: 082 7722 418
E-mail: babalwa@myezo.co.za Address: Postnet Suite B165, Private Bag X 18, Lynwood Ridge, 0040, Pretoria, South Africa

APPENDIX E2 – WRITTEN NOTICES ISSUED AS REQUIRED IN TERMS OF THE REGULATIONS



MYEZO ENVIRONMENTAL MANAGEMENT SERVICES

Environmental Stewardship

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babaiwa@myezo.co.za |

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645 Jacqueline Drive, Garstonsite, 0081
Pretoria, South Africa

08 September 2016

Attention: INTRESTED AND AFFECTED PARTIES (I&AP)

LEBONE ENGINEERING - KLIP MIDDLE SOWETO - ENVIRONMENTAL STUDIES FOR CITY PARKS AND ZOO.

***NOTIFICATION TO INTERESTED AND AFFECTED PARTIES ABOUT THE AVAILABILITY OF BASIC
ASSESSMENT REPORT, AS WELL AS THE ENVIRONMENTAL MANAGEMENT PROGRAMME REPORT
WHICH WERE PREPARED IN SUPPORT OF CITY PARKS AND ZOO'S APPLICATION FOR AN
ENVIRONMENTAL AUTHORISATION IN RESPECT OF REHABILITATION OF THE KLIP MIDDLE SOWETO
WATER MANAGEMENT UNIT IN JOHANNESBURG, WITHIN THE CITY OF JOHANNESBURG
MUNICIPALITY***

Document Name: LSES-PI-BAR- Ward Councillors Planning Meeting

Date: September 08, 2016

Myezo Ref: LSES, LRES 2015/10/

GDARD Ref No: 002/16-17/E0097

Notice is hereby given in terms of the National Environmental Management Act, Act 107 of 1998 (NEMA): Environmental Impact Assessment (EIA) Regulations, 2014 R982 (2014 EIA Regulations), Section 41 (2) (a) (b) (c) (d) (e) and (3) published in Government Notices No. R982, under Sections 24 (5) and 44 of NEMA, of City of Johannesburg Municipality (CoJ)'s intention to rehabilitate the Klip Middle Soweto Water Management Unit (WMU).

Background

The proposed Environmental Rehabilitation of the Klip Middle Soweto WMU for the CoJ, will be undertaken in communities of Soweto which borders along the Klip- Middle Soweto WMU. This WMU is roughly bounded by Koma Road on the south-west, Elias Motsoaledi on the west, Main Reef Road on the north and Klip Valley Road on the south- east. Some of the key suburbs within this WMU are the Soweto suburbs of Dobsonville, Meadowlands, Molapo, Jabavu, Jabulani, Zondi, Orlando West and Mofolo, which is illustrated in the project locality map, attached as appendix A.

The draught crisis recently experienced in 2015, highlighted the urgent need for the conservation of water resources to ensure access to a sustainable and reliable water resource for South Africa. With the CoJ committing to the conservation of its sustainable resources in its Growth Development Strategy (GDS), it will ensure that the city is doing its part to prevent further impacts on our water resources and preventing similar water shortage crisis that we are currently experiencing. In addition to this broader national challenge outlined above, the environmental aspects associated with the current high rate of development within the Johannesburg Metropolitan areas has contributed to the pollution of vulnerable WMU within CoJ and further put pressure on the already stressed water infrastructure. The expansion of urban development has resulted in a loss of valuable riverine environment, with diversions and illegal weirs, encroachments, channelization and the construction of roads, bridges and culverts across rivers, resulting in their deterioration. In addition, the increased intensity of storm water runoff from urbanized catchments as well as increased pollutant loads is placing additional pressure on rivers which cannot always sustain such impacts. This leads to flooding, bacteriological pollution, chemical pollution, litter,

exotic vegetation, bad visual impact, odour and sediment and obviously needs to be addressed.

This project will address some of these pressing issues, as part of its support to the GDS goals, which advocate for management of water catchments and sources, namely, water conservation and preservation of the ecological reserve and the goal of reduced water pollution. WMUs play a role in the management of storm water as they act as receiver of storm water diverted through the storm water drains from the city streets to the water units. The wetlands within the WMU serves as a natural filtration system.

The studies will furthermore, highlight the status of the environment in the communities bordering along the Klip Middle Soweto WMU. Crucial data will be collected through specialist studies that will be conducted in the study areas as part of the Basic Environmental Assessment (BAR) process.

The study entails conducting rehabilitation activities within the special identified zones. The proposed rehabilitation activities and interventions are unique to that specific zone, in mitigation to impacts identified in those areas. Base line studies have indicated solutions that will be required to address the need for rehabilitation in the areas and identified interventions in support of the rehabilitation drive, include the following

Application for environmental authorisation

With the above background, notice is hereby given in terms of Section 41 (2) (a) (b) (c) (d) (e) and (3) of the 2014 EIA Regulations, that an application for environmental authorisation has been submitted to the Department of Agriculture and Rural Development, in terms of NEMA, in respect of listed activities that have been triggered by applications done in terms of the NEMA.

The activities to be undertaken under this application include:

- R983 (Listing Notice 3) 04 December 2014 Activity No.4, No 12, No 14(i) (ii) (iii) (v) (vi) (viii) (x) (xii) (a) (b) (vi). (x) No.15 (a) I. No.18. (c) (vii).(xii).

Therefore, BAR report procedures are being applied to this application. A map showing the locality of the WMU area, with respect to the proposed project, is also included as Appendix A, of the BAR and also shown in the copy of the advert.

Basic Assessment Report Review

Lebone Engineering (PTY) Ltd (Lebone) in association with Myezo Environmental Management Services Pty Ltd (Myezo), has thus been appointed by Johannesburg City Parks and Zoo's (JCPZ) on behalf of CoJ as the Environmental Assessment Practitioner (EAP), to undertake EIA for the activities that would require environmental authorization.

The project is now at the Public Participation Process (PPP), and a notice for the review of the BAR will be advertised on the Meadowlands, Jabaulani and Orlando news, newspapers on 16th and 17th September 2016 respectively. Furthermore, a copy of the report can be viewed at the City Parks House, 40 De Korte Street, Jabulani Civic centre, Jabavu Library, Dobsonville Library, Meadowlands Library, Mofolo Library, including other sites that will be identified by ward councillors during the planning meeting. Moreover, site notices will also have been placed at the aforementioned locations and other strategic areas for convenience to the public.

Please be advised that this notice serves to invite you, as interested and affected parties (I&APs) to participate in the EIA process and on the BAR and EMPR review stage. To ensure that you are registered as an I&AP or to lodge any concerns, relating to the EIA process or the BAR and EMPR, kindly lodge your concerns formally (in writing) utilizing the attached Table1. Your comments, must be returned to Myezo, by either email or fax to the details shown below. All comments on the BAR or issues that should be covered in the BAR review stage should be submitted to Myezo by the 17th October 2016. All issues and concerns relating to the EIA process or the BAR review can be lodged formally (in writing) using Table1. I&AP Comments register below, and returned to Myezo, by either email or fax to the details shown below. All comments on the BAR or issues that should be covered in the BAR review stage should be submitted to the EAP by 17 October 2016. In the submissions of comments, the interested and affected parties must disclose any direct business, financial, personal or other interest which they have in the approval or refusal of the application.

Contacts: Environmental Assessment Practitioner (EAP)

Myezo Environmental Management Services (Pty) Ltd

Contact person: Ms Babalwa Fatyi

Tel: (012) 998 7642

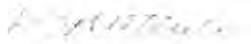
Fax: 086 543 1698

Cell: (082) 7722 418 (Babalwa)

E-mail: babalwa@myezo.co.za

Address: Postnet Suite B165, Private Bag X 18, Lynwood Ridge, 0040, Pretoria, South Africa

Yours faithfully



Babalwa Fatyi *Pr.Sci.Nat*
Director



MYEZO ENVIRONMENTAL MANAGEMENT SERVICES

Environmental Stewardship

012 998 7642 | 012 998 7641 | 082 772 2418
babalwa@myezo.co.za |

Postnet Suite B165, Private Bag X18, Lynnwood
Ridge, 0040, Pretoria, South Africa

645 Jacqueline Drive, Garstfontein, 0081
Pretoria, South Africa

1

06 September 2016

Attention: WARD COUNCILOR

LEBONE ENGINEERING - KLIP MIDDLE SOWETO - ENVIRONMENTAL STUDIES FOR CITY PARKS AND ZOO.

NOTIFICATION TO INTERESTED AND AFFECTED PARTIES ABOUT THE AVAILABILITY OF BASIC ASSESSMENT REPORT, AS WELL AS THE ENVIRONMENTAL MANAGEMENT PROGRAMME REPORT WHICH WERE PREPARED IN SUPPORT OF CITY PARKS AND ZOO'S APPLICATION FOR AN ENVIRONMENTAL AUTHORISATION IN RESPECT OF REHABILITATION OF THE KLIP MIDDLE SOWETO WATER MANAGEMENT UNIT IN JOHANNESBURG, WITHIN THE CITY OF JOHANNESBURG MUNICIPALITY

Document Name: LSES-PI-BAR- Ward Councillors Planning Meeting

Date: September 06, 2016

Myezo Ref: LSES, LRES 2015/10/

GDARD Ref No: 002/16-17/E0097

Notice is hereby given in terms of the National Environmental Management Act, Act 107 of 1998 (NEMA): Environmental Impact Assessment (EIA) Regulations, Section 41 (2) (a) (b) (c) (d) (e) and (3) published in Government Notice No. R982, under Sections 24 (5) and 44 of NEMA, of City of Johannesburg Municipality (CoJ)'s intentions to rehabilitate the Klip Middle Soweto Water Management Unit (WMU).

Background

The proposed environmental rehabilitation of the Klip Middle Soweto WMU for the CoJ, will be undertaken in communities of Soweto, which border along the Klip- Middle Soweto WMU. This WMU is roughly bounded by Koma Road on the south-west, Elias Motsoaledi on the west, Main Reef Road on the north and Klip Valley Road on the south- east. Some of the key suburbs within this WMU are the Soweto suburbs of Dobsonville, Meadowlands, Molapo, Jabavu, Jabulani, Zondi, Orlando West and Mofolo, which are illustrated in the project locality map attached as Appendix A.

The draught crisis recently experienced in 2015, highlighted the urgent need for the conservation of water resources to ensure access to a sustainable and reliable water resource for South Africa. With the CoJ, committing to the conservation of its sustainable resource in its Growth Development Strategy (GDS), it will ensure that the city is doing its part to prevent further impacts on our water resources and preventing similar water shortage crisis. In addition to this broader national challenge outlined above, the environmental aspects associated with the current high rate of development within the Johannesburg Metropolitan areas have contributed to the pollution of vulnerable WMU, within CoJ and further put pressure on the already stressed water infrastructure. The expansion of urban development has resulted in a loss of valuable riverine environment, with diversions and illegal weirs, encroachments, channelization and the construction of roads, bridges and culverts across rivers, resulting in their deterioration. In addition, the increased intensity of storm water runoff from urbanized catchments, as well as increased pollutant loads is placing additional pressure on rivers which cannot always sustain such impacts. This leads to flooding, bacteriological pollution, chemical pollution, litter, exotic vegetation, bad visual impact, odour and sediment and obviously needs to be addressed.

This rehabilitation project will address some of these pressing issues, as part of its support to the GDS goals, which advocate for management of water catchments and sources namely: water conservation and preservation of the ecological reserve and the goal of reduced water pollution. WMUs play a role in the management of storm water, as they act as receiver of storm water diverted through the storm water drains from the city streets to the water units. The wetlands within the WMU serves as a natural filtration system.

Myezo Ref: LSES, LRES 2015/10/
GDARD Ref No: 002/16-17/E0097

September 2016

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The project will entail conducting rehabilitation activities within the special identified zones. The proposed rehabilitation activities and interventions are unique to the identified specific zones, and act to mitigate impacts identified in those specific areas.

Application for environmental authorisation

With the above background, notice is hereby given in terms of Section 41 (2) (a) (b) (c) (d) (e) and (3) of the 2014 EIA Regulations, that an application for environmental authorisation has been submitted to the Department of Agriculture and Rural Development (GDARD), in terms of NEMA, in respect of listed activities that will triggered due to the proposed rehabilitation project.

The activities to be undertaken under this application include:

- R983 (Listing Notice 3) 04 December 2014 Activity No.4, No 12, No 14(i) (ii) (iii) (v) (vi) (viii) (x) (xii) (a) (b) (vi). (x) No.15 (a) I. No.18. (c) (vii).(xii).

Basic Assessment Report

Therefore, BAR report procedures are being applied to this application. A map showing the locality of the WMU area, with respect to the proposed project, is also included as Appendix A, of the BAR and also shown in the copy of the advert as Appendix B.

Basic Assessment Report Review

Lebone Engineering (PTY) Ltd (Lebone) in association with Myezo Environmental Management Services Pty Ltd (Myezo), have thus been appointed by Johannesburg City Parks and Zoo's (JCPZ), on behalf of CoJ, as the Environmental Assessment Practitioner (EAP), to undertake environmental studies for the activities that would require environmental authorization.

The project is now at the Public Participation Process (PPP) stage. BAR has been compiled and is available for review. A notice for the review of the BAR will also be advertised on the Meadowlands, Jabaulani and Orlando news, newspapers on 16th and 17th September 2016 respectively. Furthermore, a copy of the report can be viewed at the City Parks House, 40 De Korte Street, Jabulani Civic centre, Jabavu Library, Dobsonville Library, Meadowlands Library, Mofolo Library, including other sites that will be identified by ward councillors during the planning meeting. Moreover, site notices will also have been placed at the aforementioned locations and other strategic areas for convenience to the public.

Please be advised that this notice serves to invite you, as interested and affected parties (I&APs) to participate in the basic assessment process and on the BAR review stage. To ensure the PPP is conducted in accordance to the regulations and involves the community affected by the proposed project, we hereby invite you, to a ward councilors planning meeting, that will be held on the 12th September 2016, at the Jabulani Civic Center (Venue details are provided below). During the meeting the project team along with the councilors will plan the logistics of arranging a public participation meeting for the communities within the study area.

It will be of great benefit to the project that you avail your self, to represent your ward and give input on concerns or information from your ward pertaining to the proposed project. Should you not be able to avail yourself to this meeting, kindly note that, all issues and concerns relating to the EIA process or the BAR review can be lodged formally (in writing), you may utilize the attached Table1, to lodge your comments. Your comments, must be returned to Myezo, by either email or fax to the details shown below. All comments on the BAR or issues that should be covered in the BAR review stage should be submitted to Myezo by the 17th October 2016.

Contacts: Environmental Assessment Practitioner (EAP)

Myezo Environmental Management Services (Pty) Ltd

Contact person: Ms Babalwa Fatyi

Tel: (012) 998 7642

Fax: 086 543 1698

Cell: (082) 7722 418 (Babalwa)


E-mail: babalwa@myezo.co.za

Address: Postnet Suite B165, Private Bag X 18, Lynwood Ridge, 0040, Pretoria, South Africa

Details of the meeting :

Venue : 1 Koma Street, Johannesburg, 1868
Date : 12 September 2016
Time : 11:00 am

Yours faithfully


Babalwa Fatyi *Pr.Sci.Nat*
Director



MYEZO ENVIRONMENTAL MANAGEMENT SERVICES

Environmental Stewardship

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babalwa@myezo.co.za | www.myezo.co.za

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Ridge, 0040, Pretoria, South Africa

645 Jacqueline Drive, Garstfontein, 0081
Pretoria, South Africa

08 September 2016

Attention: Interested and Affected Parties (I&AP)

LEBONE ENGINEERING - KLIP MIDDLE SOWETO - ENVIRONMENTAL STUDIES FOR CITY PARKS AND ZOO.

***NOTIFICATION TO INTERESTED AND AFFECTED PARTIES ABOUT THE AVAILABILITY OF BASIC
ASSESSMENT REPORT, AS WELL AS THE ENVIRONMENTAL MANAGEMENT PROGRAMME REPORT
WHICH WERE PREPARED IN SUPPORT OF CITY PARKS AND ZOO'S APPLICATION FOR AN
ENVIRONMENTAL AUTHORISATION IN RESPECT OF REHABILITATION OF THE KLIP MIDDLE SOWETO
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Document Name: LSES-PI-BAR- Ward Councillors Planning Meeting

Date: September 08, 2016

Myezo Ref: LSES, LRES 2015/10/

GDARD Ref No: 002/16-17/E0097

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[Pty] Ltd Reg. No. 2014 / 031793 / 07
converted from CC Reg.No. 2004 / 060230 / 23

Director Babalwa Fatyi Pr.Sci.Nat (MSc)

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Contacts: Environmental Assessment Practitioner (EAP)

Myezo Environmental Management Services (Pty) Ltd

Contact person: Ms Babalwa Fatyi

Tel: (012) 998 7642

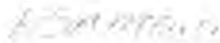
Fax: 086 543 1698

Cell: (082) 7722 418 (Babalwa)

E-mail: babalwa@myezo.co.za

Address: Postnet Suite B165, Private Bag X 18, Lynwood Ridge, 0040, Pretoria, South Africa

Yours faithfully



Babalwa Fatyi *Pr.Sci.Nat*
Director

APPENDIX E3 – PROOF OF NEWSPAPER ADVERTISEMENTS



NOTIFICATION TO INTERESTED AND AFFECTED PARTIES ABOUT THE AVAILABILITY OF BASIC ASSESSMENT REPORT AS WELL AS THE ENVIRONMENTAL MANAGEMENT PROGRAMME REPORT WHICH WERE PREPARED IN SUPPORT OF CITY PARKS AND ZOO'S APPLICATION FOR AN ENVIRONMENTAL AUTHORISATION IN RESPECT OF REHABILITATION OF THE KLIP MIDDLE SOWETO WATER MANAGEMENT UNIT IN JOHANNESBURG, WITHIN THE CITY OF JOHANNESBURG MUNICIPALITY

Interested and Affected Parties' attention is drawn to the fact that, the projects will be undertaken in different areas within the Water Management Unit (WMU) and as such, must look at the accompanying map delineating the zones of interventions.

Date: September 16, 2016

Document Name: LSES-PI-BAR-Notification Advert to I&APs

Date: September 16, 2016

Myezo Ref: LS ES , LR ES 2015/ 10/

GDARD Ref No: 002/16- 17/ E0097w

Applicant: City of Johannesburg Municipality (CoJ)

Project locality: The project will be undertaken in various communities of Soweto, which border along the Klip- Middle Soweto WMU. This WMU is roughly bounded by Koma Road on the south-west, Elias Motwaledi on the west, Main Reef Road on the north and Klip Valley Road on the south-east. some of the key suburbs within this WMU, are the Soweto suburbs of Dobsonville, Meadowlands, Molapo, Jabavu, Jabulani, Zondi, Orlando West and Mofolo. (See Figure 1)

Application area co-ordinates: Taken at center of each zone, as follows; (Zone 1) (Zone 2) (Zone 3) (Zone 4):
E 26° 15' 15.30"S, 27°52' 14."E; 26° 14' 44.83"S, 27° 83' 39.53"E; 26° 13' 41.31,20"S, 27° 53'41.171"E 26° 12' 71,75"S, 27° 54'00.33'

Nature of Application: The proposed Environmental Rehabilitation of the Klip Middle Soweto WMU for the CoJ

This project will address some of the pressing issues, as part of its support to the Growth Development Strategy (GDS) goals, which advocate for management of water catchments and sources, namely, water conservation and preservation of the ecological reserve and the goal of reduced water pollution. WMUs play a role in the management of storm water as they act as receiver of storm water diverted through the storm water drains from the city streets to the water units. The wetlands within the WMU serves as a natural filtration system.

The studies will furthermore, highlight the status of the environment in the communities bordering along the Klip Middle Soweto WMU. Crucial data will be collected through specialist studies that will be conducted in the study areas as part of the Basic Environmental Assessment process.

Process followed:

Environmental Impact Assessment process within the WMU as indicated under the project locality above and situated within the COJ.

Notice is hereby given in terms of the National Environmental Management Act, Act 107 of 1998 (NEMA): Environmental Impact Assessment (EIA) Regulations, 2014 R982 (2014 EIA Regulations), Section 41 (2) (a) (b) (c) (d) (e) and (3) published in Government Notices No. R982, under Sections 24 (5) and 44 of NEMA, of CoJ's intention to rehabilitate the Klip Middle Soweto Water Management Unit (WMU).

Lebone Engineering Pty Ltd (Lebone) in association with Myezo Environmental Management Services Pty Ltd (Myezo), has thus been appointed by Johannesburg Parks and Zoo's (JCPZ) on behalf of CoJ to undertake the Environmental Impact Assessment (EIA) for the activities that would require environmental authorisation. As such, notice is hereby given in terms of Section 41 (2) (a) (b) (c) (d) (e) and (3) of the 2014 EIA Regulations, that an application for environmental authorisation has been submitted to the Gauteng Department of Agriculture (GDARD), in terms of NEMA and NEM: WA in respect of listed activities that have been triggered by proposed rehabilitation interventions in the Klip Middle Soweto Water Management Unit. In addition, please note that the application for water related activities will have to be submitted to the Department of Water and Sanitation (D.S). The application for these activities will be made in terms of National Water Act, 1998 (Act No.36 of 1998), Section 21(c). Section 21(l), as part of separate appointments and process.

The activities to be undertaken under this application include: R983 (Listing Notice 3) 04 December 2014 Activity No.4, No 12, No 14(l) (ii) (iii) (v) (vi) (viii) (x) (xii) (a) (b) vi. (x) No.15 (a) I. No.18. (c) vii. xii.

Therefore, Basic Assessment Report (BAR) procedures are being applied to this application. Please be advised that this notice serves to invite interested and affected parties (I&APs) to participate in the EIA process. To ensure that you are registered as an I&AP or to lodge any concern, formally object or seek clarity on the proposed project and request project related documentation, kindly contact Myezo on 082 7722 418 or (012) 998 7642.

Copies of the BAR and Environmental Management Report (EMPR) will be made available at City Parks House, 40 De Korte Street Johannesburg Jabulani Civic centre, Jabavu Library, Dobson Ville Library, Meadowlands Library, Mofolo Library, or alternatively contact Myezo Environmental Management Services (Pty) Ltd on the details provided below. All issues and concerns can be lodged formally (in writing) by either email or fax at the details shown below. All comments on the BAR and EMPR, should be submitted within 30 days of this advert to the EAP by Monday 17th October 2016.

Alternative contacts: Environmental Assessment Practitioner (EAP)
Myezo Environmental Management Services (Pty) LTD
Contact person: Ms Babalwa Fatyi Tel: (012) 998 7642 Fax: 086 543 1698 Cell: 082 7722 418
E-mail: babalwa@myezo.co.za
Address: Postnet Suite B165, Private Bag X 18, Lynwood Ridge, 0040, Pretoria, South Africa

UBUNJINIYELA BELEBONE - EKLIP NASE-SOWETO EPHAKATHI
UKUHLOLWA KWEZEMVELO EMAPHAGI EDOLOBHA NASE-ZOO.
ISAZISO ESIYA KWABANESIFISO NABATHINTEKAYO ESIPHATHELENE NOMBIKO WOKUHLOLWA
KOKUTHINTEKA KWEZEMVELO OKUYISEKELO KANYE NOHLELO LOKUNAKEKELWA KWEMVELO
OLUHLOSELWE UKUSEKELA UCWANINGO NGAMAPAKI EDOLOBHA NEZEMVELO ZASEMA-ZOO,
OLUZOKWENZIWA OPHIKWENI LOKUNAKEKELWA KWAMANZI LWASE-KLIP NASESOWETO EPHAKATHI, EGOLI,
KUMASIPALA WASEDOLOBHENI LASE-JOHANNESBURG

Izinhlango ezinesifiso Nezithintekayo zaziswa ngokuthi kunemisebenzi ezokwenziwa ezindaweni ezihlukahlukene ngaphansi koPhiko Lokuphathwa Kwamanzi (WMU) futhi ngenxa yalokho, kufanele zibheke ibalazwe elihambisana ngalesi saziso elibonisa izindawo okuzosetshenzwa kuzo.

Usuku: September 16, 2016

Igama Laledokhumenti: Isaziso Esiyisikhangiso se- LSES-PI-BAR- esiya kuma-IAP
Usuku: September 16, 2016

Myezo Ref: LSES, LRES 2015/10/AV
GDARD Ref No: 002/16-17/E0 097w

Umfaki sicelo: Umasipala waseDolobheni LaseGoli (CoJ)

Indawo yomsebenzi: Umsebenzi uzokwenziwa emiphakathini eminingi yaseSoweto, esendaweni yaseKlip-Middle Soweto WMU. Le WMU izungezwe umgwaqo iKoma Road eningizimu-ntshonalanga, u-Elias Motwaledi entshonalanga, uMain Reef Road enyakatho kanye neKlip Valley Road eningizimu-mpumalanga. Amanye amalokishi athinteka kakhulu kule WMU, amalokishi aseSoweto iDobsonville, iMeadowlands, iMolapo, iJabavu, iJabulani, iZondi, i-Orlando West neMofolo. (Bheka Isithombe 1)

Izindawo ezithintekayo: Zithwetshulwe maphakathi ne-zone ngayinye, ngokwalokhu okulandelayo: (Zone 1) (Zone 2) (Zone 3) (Zone 4): " E 26° 15' 15.30"S, 27°52'14."E; 26° 14' 44.83"S, 27° 83' 39.53"E; 26° 13' 41.31,20"S, 27° 53'41.171"E 26° 12' 71,75"S, 27° 54'00.33'

Uhlobo Lwesicelo: Ukuvuselelwa Kwemvelo okuhlongozwayo kwe-Klip Middle Soweto iWMU ye-CoJ.

Lo msebenzi uzosingatha ezinye zezinkinga ezikhathazayo, okungenye yezindlela osekela ngazo imigomo ye-Growth Development Strategy (GDS), efuna ukuba kulawulwe ukuqoqwa kwamanzi nemithombo yamanzi, okuwukuthi ukulondolozwa kwamanzi nokulondolozwa kwesimiso semvelo nomgomo wokunciphisa izinga lokungcoliswa kwamanzi. Ama-WMU adlala indima ebalulekile ekulawulweni kwamanzi emvula njengoba njengoba kuyiwona amukela amanzi emvula achezukisiwe kusetshenziswa amapayipi enzelwe amanzi emvula asuka emigwaqweni esedolobheni aye ezindaweni zokugcina amanzi. Amaxhaphozi atholakala kuyi-WMU asebenza njengesimiso semvelo sokuhlaza amanzi.

Ngaphezu kwalokho lolu cwaningo, luzophawula ngesimo sezemvelo emiphakathini egudle i-Klip Middle Soweto WMU. Kuzoqoqwa ukwaziswa okubalulekile ngalolu cwaningo olukhethekile oluzokwenziwa ezindaweni okucwaningwa kuzo futhi lokhu kuyingxenye yenqubo yokuHlolwa Okuyisisekelo Kwezemvelo (Basic Environmental Assessment).

Inqubo elandelwayo: Inqubo Yokuhlola Eyisisekelo
Inqubo Yokuhlolwa Kwendlela Imvelo ethinteka ngayo ngaphansi kweWMU njengoba kubonise ngaphansi komsebenzi owenziwa ezindaweni ezichazwe ngenhla nezitholakala kuyi-COJ.

Lesi saziso sikhishwe ngokuvumelana noMthetho Kazwelonke Wezokunakekelwa Kwemvelo, u-Act 107 of 1998 (NEMA): Imithetho Yokuhlolwa Indlela Ezemvelo Ezithinteka ngayo (EIA), 2014 R982 (2014 EIA Regulations), Isigaba 41 (2) (a) (b) (c) (d) (e) futhi (3) oshicilelwe eZazisweni Zikahulumeni (Government Notices No. R982), ngaphansi kweSigaba 24 (5) kanye no-44 we-NEMA, wezinhlalo ze-CoJ zokuvuselela uPhiko Lokunakekelwa Kwamanzi (WMU) eKlip NaseSoweto Ephakathi.

ILebone Engineering Pty Ltd (Lebone) ibambisene noMyezo Environmental Management Services Pty Ltd (Myezo), baqokwe yiJohannesburg Parks and Zoo's (JCPZ) bemelela i-CoJ ukuze benze ukuhlola indlela imvelo ethinteka ngayo [Environmental Impact Assessment (EIA)] ngemisebenzi eyenziwayo edinga ukugunyazwa umnyango wezemvelo. Ngenxa yalokho, lesi saziso sikhishwa ngokuvumelana neSigaba 41 (2) (a) (b) (c) (d) (e) kanye no-(3) weziQondiso ze-2014 EIA, zokuthi isicelo sokugunyazwa ngokwezemvelo sifakiwe eMnyangweni Wezolimo WaseGauteng (GDARD), ngokuvumelana ne-NEMA kanye ne-NEM: WA ngokuqondene nemisebenzi enikezwe ohlwini ebangelwe ukuvuselelwa kwemvelo okuhlongozwayo uPhiko Lokunakekelwa Kwamanzi e-Klip NaseSoweto Ephakathi. Ngaphezu kwalokho, sicela uphawule ukuthi isicelo sokwenza imisebenzi ethinteka ezamanzi kufanele sithunyelwe eMnyangweni Wezamanzi Nokuhcuculula (D.S). Ukufakwa kwesicelo sale misebenzi zokwenziwa ngokuvumelana noMthetho Kazwelonke Wezamanzi ka-1998 (Act No.36 ka-1998), iSigaba 21(c), iSigaba 21(l), njengengxenye yenqubo nokumiswa okuseceleni.

Imisebenzi ezokwenziwa ngaphansi kwalesi sicelo ihlanganisa le: R983 (Uhlu Esazisweni 3) umsebenzi ka- 04 December 2014 No.4, No 12, No 14(l) (ii) (iii) (v) (vi) (viii) (x) (xii) (a) (b) vi. (x) No.15 (a) I. No.18. (c) vii. xii. Ngakho ke, kulesi sicelo kusebenza izinqubo zoMbiko Wokuhlolwa Okuyisisekelo (Basic Assessment Report [BAR]).

Sicela ukunazisa ukuthi lesi saziso sihlolwe ukumema labo abanesifiso sokufaka izicelo nabanye abathintekayo (I&APs) ukuba babambe iqhaza engubweni ye-EIA. Ukuze uqiniseke ukuthi ubhalisiwe njenge-I&AP noma ukuze ufake isikhalo nganoma yini ekukhathazayo, umelane ngokusemthethweni noma ufane ukucaciselwa okuthile ngomsebenzi ohlongozwayo nokuba ucele amaphepha ahlobene nalo msebenzi, sicela ngomusa uthintane no-Myezo kule nombolo-082 7722 418 noma ku-(012) 998 7642.

Amakhophi eBAR kanye nawoMbiko Wokunakekelwa Kwemvelo (EMPR) azoholakala e-City Parks House, 40 De Korte Street Johannesburg, eJabulani Civic centre, eJabavu Library, eDobson Ville Library, eMeadowlands Library, eMofolo Library, noma ungathintana noMyezo Environmental Management Services (Pty) Ltd eminingwaneni yokuxhumana enikezwe ngezansi. Zone izinkinga nokukhathazeka kungathunyelwa ngokusemthethweni (ngokubhala incwadi) bese kuthunyelwa ngekheli lemeyili noma ngesikhahlamezi kule mininingwane eboniswe ngezansi. Konke ukuphawula ngeBAR noma izindaba okufanele zihlanganiswe esigabeni se-EIA esidlule kufanele kuthunyelwe zingakadluli izinsuku ezingu-30 zokukhishwa kwalesi saziso zithunyelwe ku-EAP engakadluli uMsonbuluko ka-17 October 2016.

Abanye okungaxhunyanwa nabo: Yi-Environmental Assessment Practitioner (EAP) okungabaphathiswa bezokuhlola kwezemvelo.
Myezo Environmental Management Services (Pty) LTD
Umuntu Ongathintwa: Unkosazane (Ms.) Babalwa Fatyi Tel: (012) 998 7642 Fax: 086 543 1698 Cell: 082 7722 418
E-mail: babalwa@myezo.co.za Address: Postnet Suite B165, Private Bag X 18, Lynwood Ridge, 0040, Pretoria, South Africa

APPENDIX E4 –COMMUNICATIONS TO AND FROM INTERESTED AND AFFECTED PARTIES

Caspa Neluheni

Subject: FW: Notification email, to ward councillors.
Attachments: LSES-PI-BAR Notification Letter (08-September-16).pdf; LSES-PI-Reply Slip (06 Sep 2016).doc; Locality_ortho_AO.JPG; LSES-PI-Advert-31 August 2016 Final Draft 2 .pdf

Kind Regards

Caspa Fulufhelo Neluheni
Chief Operations Officer
M: +27 82 637 6081 | T: +27 12 998 7642 | F + 27 012 998 7641
E: caspa@myezo.co.za | www.myezo.co.za



From: Caspa Neluheni
Sent: 09 September 2016 12:16 PM
To: 'mbalimoy@joburg.org.za' <mbalimoy@joburg.org.za>
Cc: Babalwa Fatyi <Babalwa@myezo.co.za>; 'Kelvin Radebe' <kelvinr@lebone.com>; 'josephm@joburg.org.za' <josephm@joburg.org.za>; 'Kgantshe Mofokeng' <kmofokeng@jhbcityparks.com>
Subject: FW: Notification email, to ward councillors.

Good day Mbali

In addition to the work that you have already done as ward governance, in arranging the meeting with the ward councillors, we would like to formally extend an invitation to the councillors that you have invited to our meeting. As highlighted in our discussion, the councillors have not yet been allocated new email addresses. With this in mind, could you kindly share the below communication with the councillors:

We hereby invite you to attend a project planning meeting, in preparation of a Public Participation Process (PPP) meeting that will be held, as part of the Environmental Impact Assessment (EIA) process, for the proposed rehabilitation of the Klip Middle Soweto Water Management Unit. Your ward falls within the boundaries of the project and thus, you have been identified as an Interested and Affected Party (I&AP).

We have attached the following documents that will provide further information regarding the project and the meeting:

- A notification letter notifying you, that you are an I&AP for the project and gives the project information.
- **Table 1.** I&AP comments reply slip.
- **Appendix A.** Locality map, that shows the location of the project.
- **Appendix B.** Draft copy of the advert that will be placed in the local newspapers.

Your attendance will be highly beneficial to the project, as the information that is gathered will serve as guidance as to how the PPP meeting will be undertaken.

Kind Regards

Caspa Fulufhelo Neluheni
Chief Operations Officer
M: +27 82 637 6081 | T: +27 12 998 7642 | F + 27 012 998 7641
E: caspa@myezo.co.za | www.myezo.co.za



**MYEZO ENVIRONMENTAL
MANAGEMENT SERVICES**

Environmental Stewardship

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10 YEARS

We are proud and grateful to you for being a part of making Myezo Environmental Management Services (Pty) Ltd what it is today. Our success may remain invisible without the support of our valued clients.



MYEZO ENVIRONMENTAL MANAGEMENT SERVICES

Environmental Stewardship

012 998 7642, 012 998 7641, 082 772 2418
babalwa@myezo.co.za |

Postnet Suite 8165, Private Bag X18, Lynnwood
Ridge, 0040, Pretoria, South Africa

645 Jacqueline Drive, Garfontein, 0081
Pretoria, South Africa

1

06 September 2016

Attention: WARD COUNCILOR

LEBONE ENGINEERING - KLIP MIDDLE SOWETO - ENVIRONMENTAL STUDIES FOR CITY PARKS AND ZOO.

NOTIFICATION TO INTERESTED AND AFFECTED PARTIES ABOUT THE AVAILABILITY OF BASIC ASSESSMENT REPORT, AS WELL AS THE ENVIRONMENTAL MANAGEMENT PROGRAMME REPORT WHICH WERE PREPARED IN SUPPORT OF CITY PARKS AND ZOO'S APPLICATION FOR AN ENVIRONMENTAL AUTHORISATION IN RESPECT OF REHABILITATION OF THE KLIP MIDDLE SOWETO WATER MANAGEMENT UNIT IN JOHANNESBURG, WITHIN THE CITY OF JOHANNESBURG MUNICIPALITY

Document Name: LSES-PI-BAR- Ward Councillors Planning Meeting

Date: September 06, 2016

Myezo Ref: LSES, LRES 2015/10/

GDARD Ref No: 002/16-17/E0097

Notice is hereby given in terms of the National Environmental Management Act, Act 107 of 1998 (NEMA): Environmental Impact Assessment (EIA) Regulations, Section 41 (2) (a) (b) (c) (d) (e) and (3) published in Government Notice No. R982, under Sections 24 (5) and 44 of NEMA, of City of Johannesburg Municipality (CoJ)'s intentions to rehabilitate the Klip Middle Soweto Water Management Unit (WMU).

Background

The proposed environmental rehabilitation of the Klip Middle Soweto WMU for the CoJ, will be undertaken in communities of Soweto, which border along the Klip- Middle Soweto WMU. This WMU is roughly bounded by Koma Road on the south-west, Elias Motsoaledi on the west, Main Reef Road on the north and Klip Valley Road on the south- east. Some of the key suburbs within this WMU are the Soweto suburbs of Dobsonville, Meadowlands, Molapo, Jabavu, Jabulani, Zondi, Orlando West and Mofolo, which are illustrated in the project locality map attached as Appendix A.

The draught crisis recently experienced in 2015, highlighted the urgent need for the conservation of water resources to ensure access to a sustainable and reliable water resource for South Africa. With the CoJ, committing to the conservation of its sustainable resource in its Growth Development Strategy (GDS), it will ensure that the city is doing its part to prevent further impacts on our water resources and preventing similar water shortage crisis. In addition to this broader national challenge outlined above, the environmental aspects associated with the current high rate of development within the Johannesburg Metropolitan areas have contributed to the pollution of vulnerable WMU, within CoJ and further put pressure on the already stressed water infrastructure. The expansion of urban development has resulted in a loss of valuable riverine environment, with diversions and illegal weirs, encroachments, channelization and the construction of roads, bridges and culverts across rivers, resulting in their deterioration. In addition, the increased intensity of storm water runoff from urbanized catchments, as well as increased pollutant loads is placing additional pressure on rivers which cannot always sustain such impacts. This leads to flooding, bacteriological pollution, chemical pollution, litter, exotic vegetation, bad visual impact, odour and sediment and obviously needs to be addressed.

This rehabilitation project will address some of these pressing issues, as part of its support to the GDS goals, which advocate for management of water catchments and sources namely: water conservation and preservation of the ecological reserve and the goal of reduced water pollution. WMUs play a role in the management of storm water, as they act as receiver of storm water diverted through the storm water drains from the city streets to the water units. The wetlands within the WMU serves as a natural filtration system.

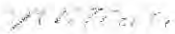
Details of the meeting :

Venue : 1 Koma Street, Johannesburg, 1868

Date : 12 September 2016

Time : 11:00 am

Yours faithfully



Babalwa Fatyi *Pr.Sci.Nat*
Director

Any particular alternative you would rather choose and why:

Interest in the project (disclose any direct business, financial, personal or other interest which they have in the approval or refusal of the application).

Signature:

Details of another person whom you think should be consulted

Name and surname

Address

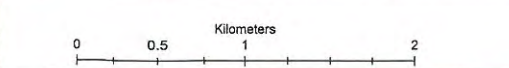
Tel and Fax



Legend

- Existing_Boreholes
 - * Waypoints_16-FEB-16.gpx
 - * Waypoints_21-FEB-13.gpx
 - 133-1000_Power_Line
 - 44-132_Power_Line
 - Flow_Direction_Lines
 - Retaining_Wall_Lines
 - Streams_River_Lines
 - 1in100years_Floodline
 - ▭ Soweto_WM Zones
 - ▭ Wards_2011
 - ▨ Wiers_Areas
 - ▨ Bridges_Areas
 - ▨ Culverts_Areas
 - ▨ Illegal_Dump_Poly_areas
- Intervention_Areas**
- | Name |
|--------------------------|
| ▨ Erosion_Control_Fences |
| ▨ Gravel_Bags |
| ▨ Mulching |
| ▨ Wetlands |
| ▨ Water-Body_areas |
| ▨ City of Johannesbur_M |

Projection: Transverse Mercator
 Datum: WGS 1984
 Linear Unit: Meters



KLIP MIDDLE SOWETO WMU



NOTIFICATION TO INTERESTED AND AFFECTED PARTIES ABOUT THE AVAILABILITY OF BASIC ASSESSMENT REPORT, AS WELL AS THE ENVIRONMENTAL MANAGEMENT PROGRAMME REPORT WHICH WERE PREPARED IN SUPPORT OF CITY PARKS AND ZOO'S APPLICATION FOR AN ENVIRONMENTAL AUTHORISATION IN RESPECT OF REHABILITATION OF THE KLIP MIDDLE SOWETO WATER MANAGEMENT UNIT IN JOHANNESBURG, WITHIN THE CITY OF JOHANNESBURG MUNICIPALITY

Interested and Affected Parties' attention is drawn to the fact that, the projects will be undertaken in different areas within the Water Management Unit (WMU) and as such, must look at the accompanying map delineating the zones of interventions.

Date: September 16, 2016

Document Name: LSES-PI-BAR-Notification Advert t o I&APs

Date: September 16, 2016

Myezo Ref: LS ES , LR ES 2015/ 10/

GDARD Ref No: 002/16- 17/ E0097w

Applicant: City of Johannesburg Municipality (CoJ)

Project locality: The project will be undertaken in various communities of Soweto, which border along the Klip- Middle Soweto WMU. This WMU is roughly bounded by Koma Road on the south-west, Elias Motswaledi on the west, Main Reef Road on the north and Klip Valley Road on the south-east. some of the key suburbs within this WMU, are the Soweto suburbs of Dobsonville, Meadowlands, Molapo, Jabavu, Jabulani, Zondi, Orlando West and Mofolo. (See Figure 1)

Application area co-ordinates: Taken at center of each zone, as follows; (Zone 1) (Zone 2) (Zone 3) (Zone 4):
E 26° 15' 15.30"S, 27°52' 14."E; 26° 14' 44.83"S, 27° 83' 39.53"E; 26° 13' 41.31,20"S, 27° 53'41.171"E 26° 12' 71,75"S, 27° 54'00.33"

Nature of Application: The proposed Environmental Rehabilitation of the Klip Middle Soweto WMU for the CoJ

This project will address some of the pressing issues, as part of its support to the Growth Development Strategy (GDS) goals, which advocate for management of water catchments and sources, namely, water conservation and preservation of the ecological reserve and the goal of reduced water pollution. WMUs play a role in the management of storm water as they act as receiver of storm water diverted through the storm water drains from the city streets to the water units. The wetlands within the WMU serves as a natural filtration system.

The studies will furthermore, highlight the status of the environment in the communities bordering along the Klip Middle Soweto WMU. Crucial data will be collected through specialist studies that will be conducted in the study areas as part of the Basic Environmental Assessment process.

Process followed:

Environmental Impact Assessment process within the WMU as indicated under the project locality above and situated within the COJ.

Notice is hereby given in terms of the National Environmental Management Act, Act 107 of 1998 (NEMA): Environmental Impact Assessment (EIA) Regulations, 2014 R982 (2014 EIA Regulations), Section 41 (2) (a) (b) (c) (d) (e) and (3) published in Government Notices No. R982, under Sections 24 (5) and 44 of NEMA, of CoJ's intention to rehabilitate the Klip Middle Soweto Water Management Unit (WMU).

Lebone Engineering Pty Ltd (Lebone) in association with Myezo Environmental Management Services Pty Ltd (Myezo), has thus been appointed by Johannesburg Parks and Zoo's (JCPZ) on behalf of CoJ to undertake the Environmental Impact Assessment (EIA) for the activities that would require environmental authorisation. As such, notice is hereby given in terms of Section 41 (2) (a) (b) (c) (d) (e) and (3) of the 2014 EIA Regulations, that an application for environmental authorisation has been submitted to the Gauteng Department of Agriculture (GDARD), in terms of NEMA and NEM: WA in respect of listed activities that have been triggered by proposed rehabilitation interventions in the Klip Middle Soweto Water Management Unit. In addition, please note that the application for water related activities will have to be submitted to the Department of Water and Sanitation (D.S). The application for these activities will be made in terms of National Water Act, 1998 (Act No.36 of 1998), Section 21(c). Section 21(f), as part of separate appointments and process.

The activities to be undertaken under this application include: R983 (Listing Notice 3) 04 December 2014 Activity No.4, No 12, No 14(I) (ii) (iii) (v) (vi) (viii) (x) (xi) (a) (b) vi. (x) No.15 (a) I. No.18. (c) vii. xii.

Therefore, Basic Assessment Report (BAR) procedures are being applied to this application. Please be advised that this notice serves to invite interested and affected parties (I&APs) to participate in the EIA process. To ensure that you are registered as an I&AP or to lodge any concern, formally object or seek clarity on the proposed project and request project related documentation, kindly contact Myezo on 082 7722 418 or (012) 998 7642.

Copies of the BAR and Environmental Management Report (EMPR) will be made available at City Parks House, 40 De Korte Street Johannesburg, Jabulani Civic centre, Jabavu Library, Dobson Ville Library, Meadowlands Library, Mofolo Library, or alternatively contact Myezo Environmental Management Services (Pty) Ltd on the details provided below. All issues and concerns can be lodged formally (in writing) by either email or fax at the details shown below. All comments on the BAR and EMPR, should be submitted within 30 days of this advert to the EAP by Monday 17th October 2016.

Alternative contacts: Environmental Assessment Practitioner (EAP)
Myezo Environmental Management Services (Pty) LTD
Contact person: Ms Babalwa Fatyi Tel: (012) 998 7642 Fax: 086 543 1698 Cell: 082 7722 418
E-mail: babalwa@myezo.co.za
Address: Postnet Suite B165, Private Bag X 18, Lynwood Ridge, 0040, Pretoria, South Africa

UBUNJINIYELA BELEBONE - EKLIPI NASE-SOWETO EPHAKATHI UKUHLOLWA KWEZEMVELO EMAPHAGI EDOLOBHA NASE-ZOO. ISAZISO ESIYA KWABANESIFISO NABATHINTEKAYO ESIPHATHELENE NOMBIKO WOKUHL OLWA KOKUTHINTEKA KWEZEMVELO OKUYISISEKELO KANYE NOHLELO LOKUNAKEKELWA KWEMVELO OLUIHLOSELWE UKUSEKELA UCWANINGO NGAMAPAKI EDOLOBHA NEZEMVELO ZASEMA-ZOO, OLUZOKWENZIWA OPHIKWENI LOKUNAKEKELWA KWAMANZI LWASE-KLIP NASESOWETO EPHAKATHI, EGOLI, KUMASIPALA WASEDOLOBHENI LASE-JOHANNESBURG

Izinhlango ezinesifiso Nezithintekayo zaziswa ngokuthi kunemisebenzi ezokwenziwa ezindaweni ezihlukahlukene ngaphansi koPhiko Lokuphathwa Kwamanzi (WMU) futhi ngenxa yalokho, kufanele zibheke ibalazwe elihambisana ngalesi saziso elibonisa izindawo okuzosetshenzwa kuzo.

Usuku: September 16, 2016

Igama Laledokhumenti: Isaziso Esiyisikhangiso se- LSES-PI-BAR- esiya kuma-IAP
Usuku: September 16, 2016

Myezo Ref: LSES, LRES 2015/10/AV
GDARD Ref No: 002/16-17/E0 097w

Umfaki sicelo: Umasipala waseDobsonville LaseGoli (CoJ)

Indawo yomsebenzi: Umsebenzi uzokwenziwa emiphakathini eminingi yaseSoweto, esendaweni yaseKlip-Middle Soweto WMU. Le WMU izungezwe umgwaqo iKoma Road eningizimu-ntshonalanga, u-Elias Motswaledi entshonalanga, uMain Reef Road enyakatho kanye neKlip Valley Road eningizimu-mpumalanga. Amanye amalokishi athinteka kakhulu kule WMU, amalokishi aseSoweto iDobsonville, iMeadowlands, iMolapo, iJabavu, iJabulani, iZondi, iOrlando West neMofolo. (Bheka Isithombe 1)

Izindawo ezithintekayo: Zithwetshulwe maphakathi ne-zone ngayinye, ngokwalokhu okulandelayo: (Zone 1) (Zone 2) (Zone 3) (Zone 4):
E 26° 15' 15.30"S, 27°52'14."E; 26° 14' 44.83"S, 27° 83' 39.53"E; 26° 13' 41.31,20"S, 27° 53'41.171"E 26° 12' 71,75"S, 27° 54'00.33"

Uhlobo lwesicelo: Ukuvuselelwa Kwemvelo okuhlongozwayo kwe-Klip Middle Soweto iWMU ye-CoJ.

Lo msebenzi uzosingathwa ezinye zezinkinga ezikhathazayo, okungenye yezindlela osekela ngazo imigomo ye-Growth Development Strategy (GDS), efuna ukuba kulawulwe ukuqoqwa kwamanzi nemithombo yamanzi, okuwukuthi ukulondolozwa kwamanzi nokulondolozwa kwesimiso semvelo nomgomo wokunciphisa izinga lokungcoliswa kwamanzi. Ama-WMU adlala indima ebalulekile ekulawulweni kwamanzi emvula njengoba njengoba kuyiwona amukela amanzi emvula achezukisiwe kusetshenziswa amapayipi enzelwe amanzi emvula asuka emigwaqweni esedolobheni aye ezindaweni zokugcina amanzi. Amaxhaphozi atholakala kuyi-WMU asebenza njengemisebenzi semvelo sokuhlaza amanzi.

Ngaphezu kwalokho lolu cwaningo, luzophawula ngesimo sezemvelo emiphakathini egudle i-Klip Middle Soweto WMU. Kuzoqoqwa ukwaziswa okubalulekile ngalolu cwaningo olukhethekile oluzokwenziwa ezindaweni okucwaningwa kuzo futhi lokhu kuyingxenye yenqubo yokuhlolwa Okuyisisekelo Kwezemvelo (Basic Environmental Assessment).

Inqubo elandelwayo: Inqubo Yokuhlola Eyisisekelo

Inqubo Yokuhlola Kwendlela Imvelo ethinteka ngayo ngaphansi kweWMU njengoba kuboniswe ngaphansi komsebenzi owenziwa ezindaweni ezichazwe ngenhla nezitholakala kuyi-CoJ.

Lesi saziso sikhishwe ngokuvumelana noMthetho Kazwelonke Wezokunakekelwa Kwemvelo, u-Act 107 of 1998 (NEMA): Imithetho Yokuhlola Indlela Ezemvelo Ezithinteka ngayo (EIA), 2014 R982 (2014 EIA Regulations), Isigaba 41 (2) (a) (b) (c) (d) (e) futhi (3) oshicilelwe eZazisweni Zikahulumeni (Government Notices No. R982), ngaphansi kweSigaba 24 (5) kanye no-44 we-NEMA, wezinhlalo ze-CoJ zokuvuselela uPhiko Lokunakekelwa Kwamanzi (WMU) eKlip NaseSoweto Ephakathi.

ILebone Engineering Pty Ltd (Lebone) ibambisene noMyezo Environmental Management Services Pty Ltd (Myezo), baqokwe yiJohannesburg Parks and Zoo's (JCPZ) bemelela i-CoJ ukuze benze ukuhlola indlela imvelo ethinteka ngayo [Environmental Impact Assessment (EIA)] ngemisebenzi eyenziwayo edinga ukugunyazwa umnyango wezemvelo. Ngenxa yalokho, lesi saziso sikhishwa ngokuvumelana neSigaba 41 (2) (a) (b) (c) (d) (e) kanye no-(3) weziQondiso ze-2014 EIA, zokuthi isicelo sokugunyazwa ngokwezemvelo sifakiwe eMnyangweni Wezofimo WaseGauteng (GDARD), ngokuvumelana ne-NEMA kanye ne-NEM: WA ngokuqondene nemisebenzi enikezwe ohlwini ebangelwe ukuvuselelwa kwemvelo okuhlongozwayo uPhiko Lokunakekelwa Kwamanzi e-Klip NaseSoweto Ephakathi. Ngaphezu kwalokho, sicela uphawule ukuthi isicelo sokwenza imisebenzi ethinteka ezamanzi kufanele sithunyelwe eMnyangweni Wezamanzi Nokuzacutula (D.S). Ukufakwa kwesicelo sale misebenzi kuzokwenziwa ngokuvumelana noMthetho Kazwelonke Wezamanzi ka-1998 (Act No.36 ka-1998), iSigaba 21(c). iSigaba 21(f), njengengxenye yenqubo nokumiswa okuseceleni.

Imisebenzi ezokwenziwa ngaphansi kwalesi sicelo ihlanganisa le: R983 (Uhlu Esazisweni 3) umsebenzi ka- 04 December 2014 No.4, No 12, No 14(I) (ii) (iii) (v) (vi) (viii) (x) (xi) (a) (b) vi. (x) No.15 (a) I. No.18. (c) vii. xii. Ngakho ke, kulesi sicelo kusebenza izinqubo zoMbiko Wokuhlola Okuyisisekelo (Basic Assessment Report [BAR]).

Sicela ukunazisa ukuthi lesi saziso sihlolwe ukumema labo abanesifiso sokufaka izicelo nabanye abathintekayo (I&APs) ukuba babambe iqhaza engubweni ye-EIA. Ukuze uginiseke ukuthi ubhalisiwe njenge-I&AP noma ukuze ufake isikhalo nganoma yini ekukhathazayo, umelane ngokusemthethweni noma ufane ukucaciselwa okuthile ngomsebenzi ohlongozwayo nokuba ucele amaphepha ahlobene nalo msebenzi, sicela ngomusa uthintane no-Myezo kule nombolo-082 7722 418 noma ku-(012) 998 7642.

Amakhophi eBAR kanye nawoMbiko Wokunakekelwa Kwemvelo (EMPR) azohlakala e-City Parks House, 40 De Korte Street Johannesburg, eJabulani Civic centre, eJabavu Library, eDobson Ville Library, eMeadowlands Library, eMofolo Library, noma ungathintana noMyezo Environmental Management Services (Pty) Ltd eminingwaneni yokuxhumana enikezwe ngezansi. Zone izinkinga nokukhathazeka kungathunyelwa ngokusemthethweni (ngokubhala incwadi) bese kuthunyelwa ngekheleli lemeyili noma ngesikhahlamazi kule mininingwane eboniswe ngezansi. Konke ukuphawula ngeBAR noma izindaba okufanele zihlanganiswe esigabeni se-EIA esidlule kufanele kuthunyelwe zingakadluli izinsuku ezingu-30 zokukhishwa kwalesi saziso zithunyelwe ku-EAP engakadluli uMsimbuluko ka-17 October 2016.

Abanye okungaxhunyanwa nabo: Yi-Environmental Assessment Practitioner (EAP) okungabaphathiswa bezokuhlola kwemvelo.
Myezo Environmental Management Services (Pty) LTD
Umuntu Ongathintwa: Unkosazane (Ms.) Babalwa Fatyi Tel: (012) 998 7642 Fax: 086 543 1698 Cell: 082 7722 418
E-mail: babalwa@myezo.co.za Address: Postnet Suite B165, Private Bag X 18, Lynwood Ridge, 0040, Pretoria, South Africa



MYEZO ENVIRONMENTAL MANAGEMENT SERVICES

Environmental Stewardship

LEBONE ENGINEERING - KLIP MIDDLE SOWETO STUDIES FOR CITY PARKS AND ZOO'S ENVIRONMENTAL STUDIES THAT WILL BE UNDERTAKEN IN KLIP MIDDLE SOWETO, IN JOHANNESBURG, WITHIN THE CITY OF JOHANNESBURG MUNICIPALITY

Myezo Ref No: LSES, LRES 2015/10/PT



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Meeting date and venues

Date	Venue
5 September 2016	Region D, Municipal Council offices...



Abbreviations

CoJ	City of Johannesburg Municipality
JCPZ	Johannesburg City Parks and Zoo
WMU	Water Management Unit
ES	Environmental studies
EMPr	Environmental Management Programme



Agenda

- Welcome and introduction
- Objectives of the meeting
- Background on the project
 - Project description
- Potential Environmental Impacts
 - Specialist studies
 - Recommendations
- Discussion session
- Way forward
- Closure



Objectives

- To inform stakeholder authorities about the proposed project
- To clarify legislative and administrative requirements
- To gather issues and concerns concerning the project and ensure that they are addressed in the succeeding EIA
- To further identify stake holders, Non-Government
- Organisations and other relevant authorities that might have
- not been captured on the projects Interested and Affected Register.



Project description

Proponent:

CoJ appointed JCP&Z to manage this project; Lebone as project consultants with Myezo as sub-consultants.

The projects involves the undertaking of ES for two WMU that fall within the municipalities boundaries, they are located in the following areas:

- Klip- Upper Rietspruit – lies south of Soweto and is bounded by the R558 on the east, the N12 on the north, the R553 on The East and Nirvarna Drive on the south.

(Refer to Locality Map)



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Project description

Proponent:

- Klip- Middle Soweto – This WMU is roughly bounded by Koma Road on the south-west, Elias Motsoaledi on the West, Main Reef Road on the north and Klip Valley Road on the south east.



Project description (cont....)

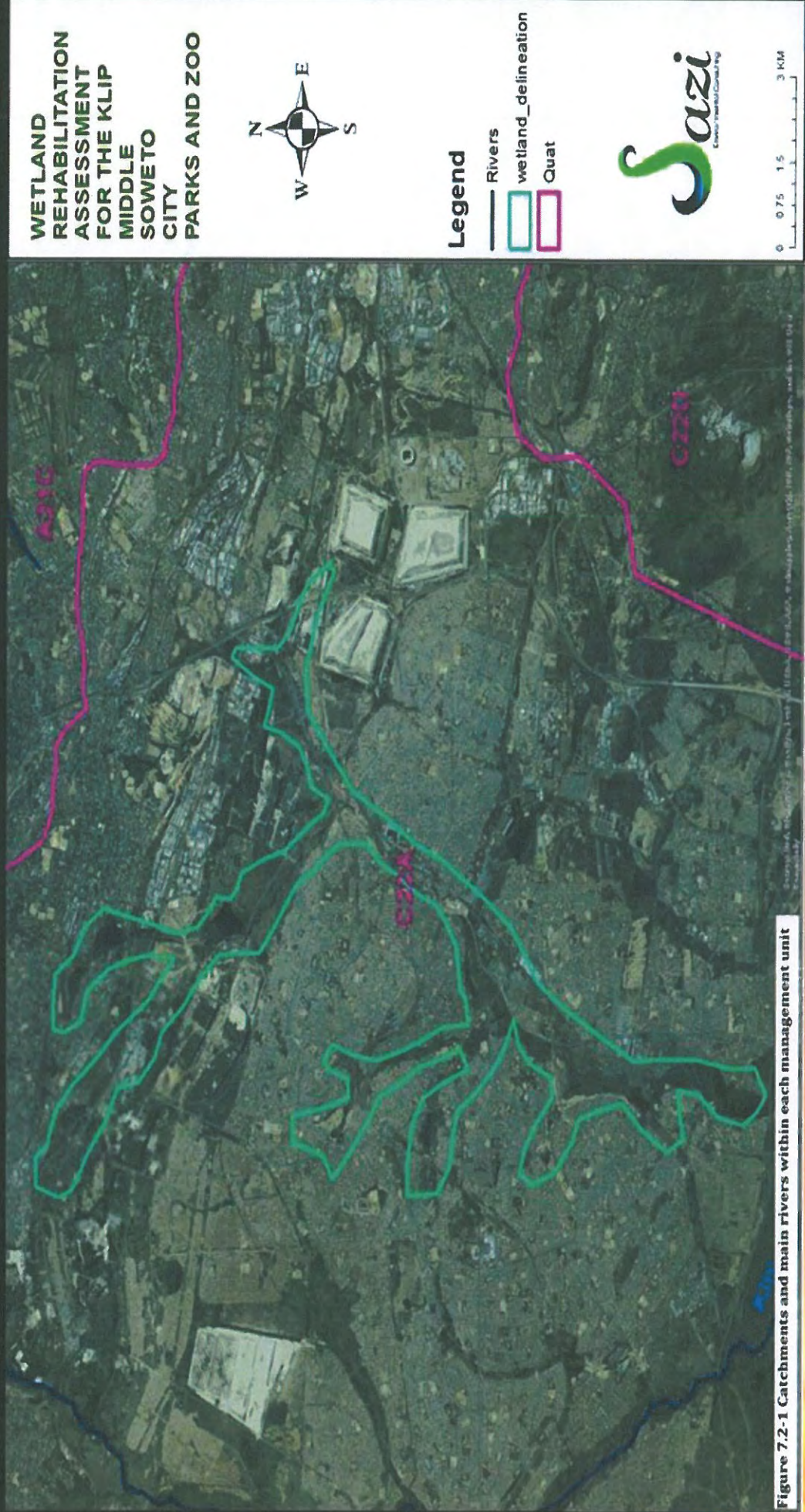
Desired outcome of environmental studies

- To determine the environmental status for the WMU.
- To ascertain key interventions that would be required to alleviate the effects of the current status and have a more ecological, social and economical functional WMU
- To Identify impacts that would be caused by the intervention measures on the water resources and provide mitigation measures to avoid, reduce and minimise such impacts
- To develop strategies to ensure efficient implementation of the mitigation measures on site (environmental management programme report)
- To obtain environmental authorisation.

PROJECT EXTENT



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PROJECT STUDY AREA



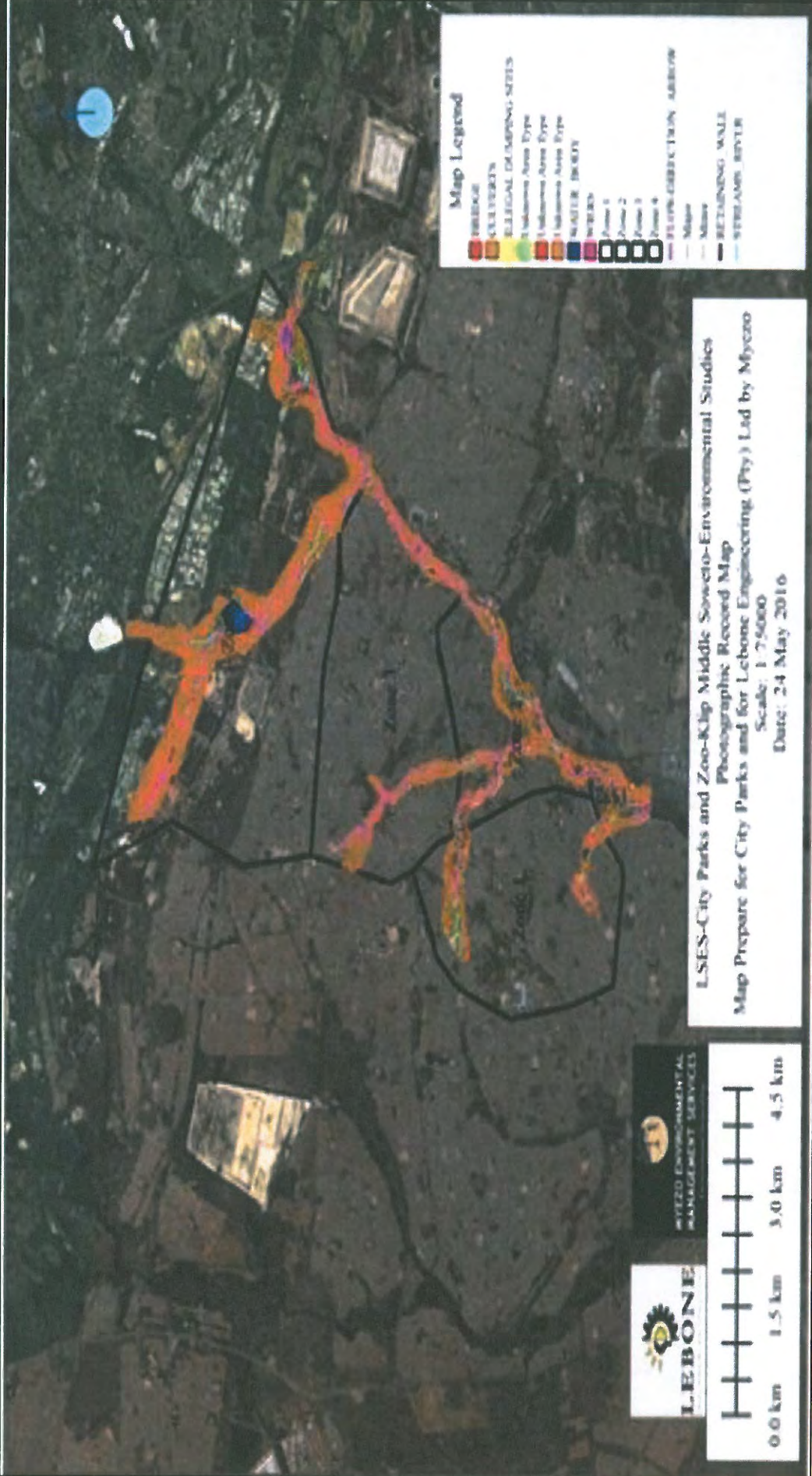
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- Klip- Middle Soweto – The Study area was divided into 4 Zones to make the rehabilitation process practical and Efficient

PROJECT LOCATION



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Project Time Frames

Stage	Time Frames	Status
Inception report	21/10/15 - 13/11/15	Completed.
Specialist studies	29/05/16 - 30/07/16	Completed.
Field-based assessments, Rehabilitation/remedial options and BPEO selection (EIA)	01/08/16- 31/08/16	Completed.
Application Submission to GDARD	20/07/16 - 29 /07/16	Completed. A Letter of acknowledgement was received on 29/07/16 and 90 days, given to submit BAR.
Public Participation Process Part 2	26/07/16-	Ongoing. The engagement meeting with Ward Councillors was postponed to second 04-09/16 due to induction and hand over of new Councillors. Advert and notice have been drafted, local newspapers, have been identified and the publishing process is will commence after the meeting. The proposed community meeting is planned for 11 -16/09/16
Compilation and submission of applications	01/08/16- Ongoing.	The draft BAR, has been completed and is ready for comments during the public participation process. The EMP is in the review stages. The anticipated submission date is 29/11/16.



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SITE VISIT OBSERVATIONS:

ZONE 1



Open space illegal dumping areas



Livestock overgrazing



Open Space areas proposed for the development of a park in Jabulani.



Collapsed gabion



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SITE VISIT OBSERVATIONS:

ZONE 2



Livestock grazing



Littering observed within a wetland



Large scale Overgrazing on the seasonal and temporal zone of the wetland.



Sedimentation and alien invasive species in the wetland zone.



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SITE VISIT OBSERVATIONS:

ZONE 3



Livestock Carcasses deposited and burnt on the wetland zones.



Leaking sewage pipe above tributary feeding into Dorothy Nyembe Park.



Solaunum mauritianum (alien invasive species) on banks of tributary leading to Dorothy Nyembe Park.



Erosion and sedimentation at Dorothy Nyembe Park entrance.



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SITE VISIT OBSERVATIONS:

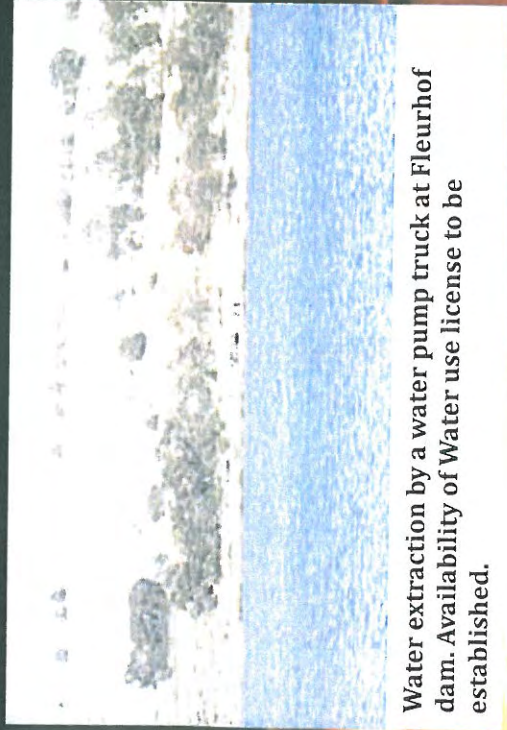
ZONE 4



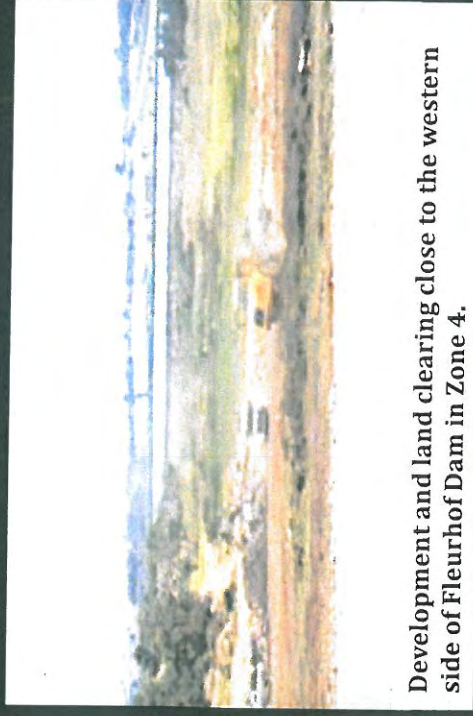
Building Rubble along Fleurhof Dam



Damaged Storm water outlet infrastructure.



Water extraction by a water pump truck at Fleurhof dam. Availability of Water use license to be established.



Development and land clearing close to the western side of Fleurhof Dam in Zone 4.



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SITE VISIT OBSERVATIONS: ZONE 4 WAY POINTS



LEEC - City Parks and Zoo - Rip Niddis Swamps - Environmental Studies
Map prepared for City Parks and for Lebone Engineering (Pty) Ltd
by Myezo Environmental Management Services
Scale 1:15766
10 November 2015



Legend
□ Masonry/stone Site Area
◆ Waypoint



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PROJECT ACTIVITIES:

1. WETLAND REHABILITATION

2. DEVELOPMENT OF PARKS



PROJECT ACTIVITIES:

1. WETLAND REHABILITATION

- Installation of erosion control fences
- Stone Gabions construction and installation - (gabion baskets, box gabions and gabion mattresses)
- Installation of River mattress
- Sediment control using silt fence
- Sediment control using gravel bags
- Treating footpaths using organic mulch
- Preventing overgrazing of wetland vegetation and animal footpaths (rotational grazing)
- Invasive alien species control
- Bank stabilisation using Soil bioengineering techniques:
(establishing a dense cover of soil protecting plants)
- Addressing illegal dumping through river clean ups:
(clearing of debris in water, clearing of blocked culverts and more)



PROJECT ACTIVITIES:

1. WETLAND REHABILITATION

- Address dumping of yard waste into the seasonal zone of a wetland
- Preventing unsustainable reed harvesting
- Soil and ground movement during rehabilitation activities in stream areas.
- Clearing of silt on the river banks and inlet to wetland
- Installation of fencing and gates for access control
- Erosion Control
- Storm Water and Flood Management
- Construction of Berms Storm water Structures
- Address deterioration of water quality
- Disposal of domestic solid waste and building rubbles



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PHASES OF AN ENVIRONMENTAL REHABILITATION PROJECT



Planning & Design Phase



Construction Phase



Operation Phase



Decommission Phase



PROJECT ACTIVITIES:

2. DEVELOPMENT OF PARKS

- Installation of fencing and gates
- Erosion Control
- Storm Water and Flood Management
- Deterioration of water quality
- Disposal of domestic waste and building rubbles
- construct and demarcate picnic area with braai facilities
- construct ablution facilities
- construct pathways /walkways build footbridges across the watercourses



PROJECT ACTIVITIES:

2. DEVELOPMENT OF PARKS

- demarcate special areas for bird watching with benches around the area
- Install educational posters at each sitting area.
- placement of benches along the walkway/pathways
- placement of waste bins along the walkways/pathways and in picnic areas
- position recyclable waste stations at recreational areas especially close to the entrance/exit and the picnic area with braai facilities
- install playing equipment for children = see-saw; swing; merry-go-round; jungle gym
- create an area for playing games for both adults and children = life-size floor chess; snake and ladders; hop-scot

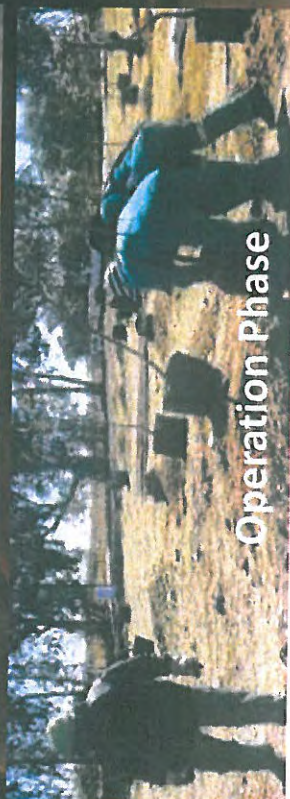


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PHASES OF A PARK DEVELOPMENT PROJECT



Planning & Design Phase



Operation Phase



Construction Phase



Decommission Phase



Potential impacts identified

- **PLANNING & DESIGN PHASE**

Site Assessment and Preparation:

ACTIVITIES

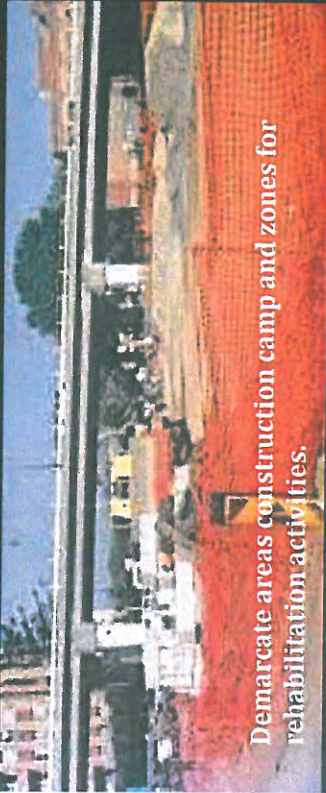
- Demarcate areas and zones for construction phase and operation rehabilitation activities.
- Consultations with relevant authorities on site requirements
- Site clearing
- Demarcation of construction camp and rehabilitation areas
- Implement construction operations guidelines and EMPr for the Phase
- Recruitment of local site workers
- Training of site workers;
- Safety and site management, environmental induction, wetland and rehabilitation.
- Source PPE safety equipment
- Consultation with a qualified botanist on the type of plants suitable for different zones of soils for each site within the identified zones.



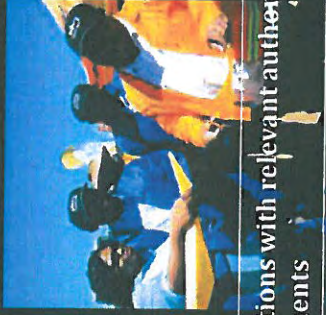
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PLANNING & DESIGN PHASE

Site Assessment and Preparation:



Demarcate areas construction camp and zones for rehabilitation activities.



Consultations with relevant authorities on site requirements



Site clearing



Recruitment of local site workers



Training of site workers:
Safety & site management, environmental induction, wetland rehabilitation



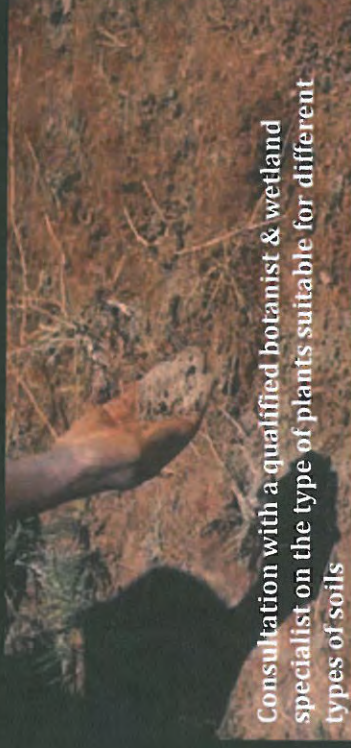
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PLANNING & DESIGN PHASE

Site Assessment and Preparation:



Source PPE safety equipment



Consultation with a qualified botanist & wetland specialist on the type of plants suitable for different types of soils



Procure material



Sources material and stockpile

Site Ongoing Monitoring



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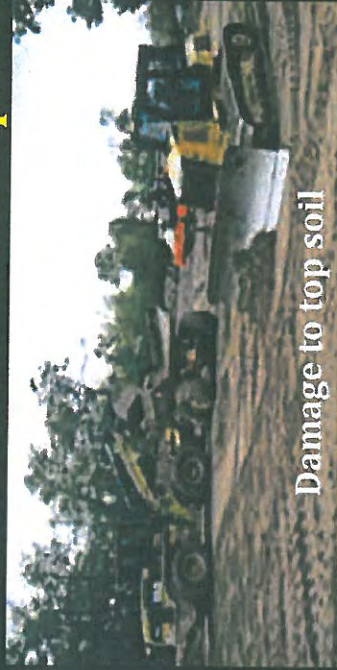
PLANNING & DESIGN PHASE

Site Assessment and Preparation:

Potential impacts identified



Site clearing



Damage to top soil



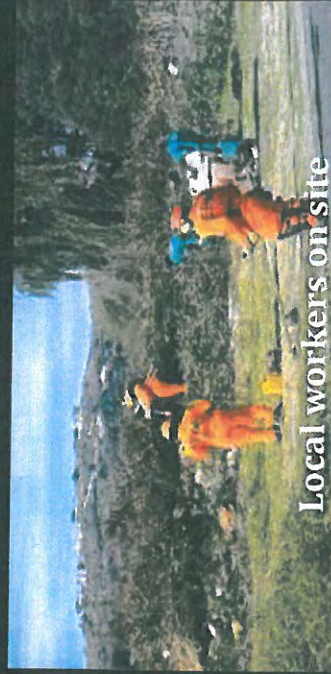
Compaction of soil



Soil loss - excavation for poles to fence off construction camp



Soil erosion



Local workers on site



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CONSTRUCTION PHASE

Potential impacts identified

ACTIVITIES:

Construction of site camp:

- Delivery and temporal storage of Material
- Delivery and temporal storage of Machinery and Equipment



CONSTRUCTION PHASE

Potential impacts identified

IMPACTS:

- Soil pollution from temporal storage of Material, Machinery and Equipment
- Soil erosion from bare surface levelled for construction
- Soil pollution due to possible oil leaks from machinery & vehicles
- Loss of vegetation
- Dust generation
- Noise from machinery, equipment and

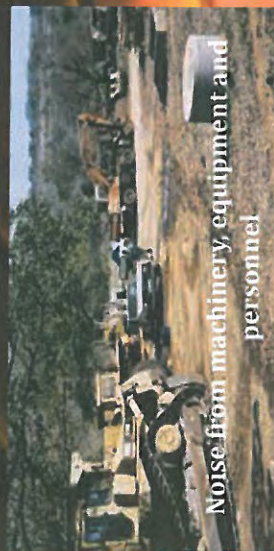
leaks from Ablation facilities installation





CONSTRUCTION PHASE

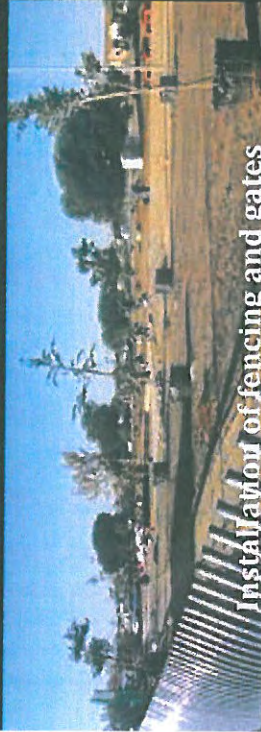
Potential impacts identified





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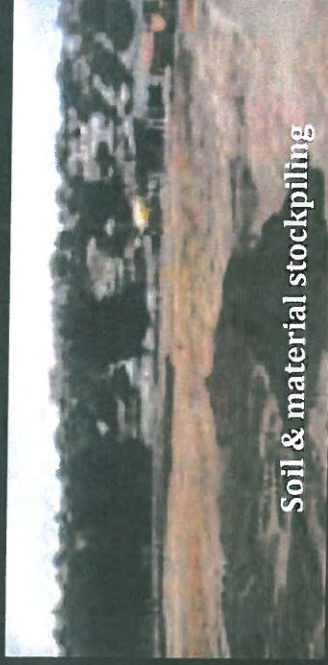
CONSTRUCTION PHASE **Potential impacts identified**



Installation of fencing and gates



Soil Erosion



Soil & material stockpiling



Plant and seed material harvesting



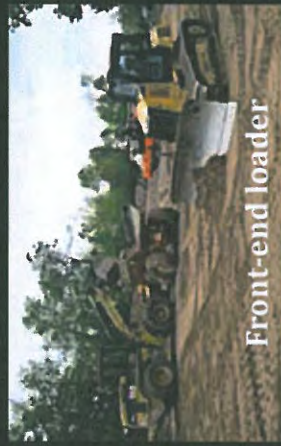
**Clearing of silt on the river banks and
inlet to wetland**



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CONSTRUCTION PHASE

Typical Machinery, Equipment & Tools



Front-end loader



Back acting excavator



Hand vibrating compactor



Tools and hoses



Concrete mixer



50mm water pump
including hoses



Tipper (5m³ capacity)



Flat bed



1t Pick-up

Tools

hand tools;
workshop tools;
electric drills; spades;
piks; wheelbarrows;
rakes etc.





CONSTRUCTION PHASE **MITIGATION MEASURES:**

- ✓ Bare surfaces must be managed as small as possible.
- ✓ All personnel to use the construction EMPr guidelines to reduce machinery and personnel noise levels to low.
- ✓ Soil erosion and soil pollution to be minimised - Construction site EMPr and guidelines.
- ✓ Dust suppression measures to be implemented.
- ✓ Site for construction to be placed where alien invasive plant species are demarcated for removal as part of the rehabilitation intervention.
- ✓ Sanitation facilities must not be located within 50m of any water resources or water drainage checked and serviced regularly to reduce risk of soil **and** groundwater pollution. regularly
- ✓ **Site Specific vegetation, seeds** and mulch to be sourced and stored correctly before use



OPERATIONAL PHASE:

Potential Environmental impacts

MITIGATION MEASURES

IMPACTS OF MULCHING:

- Trampling
- damage to topsoil,
- tree felling,
- nutrient overload,
- weed contamination

- ✓ Careful harvesting of mulch material
- ✓ Apply mulch from trees when dry to eliminate chemical impact on soil when harvesting for mulch, every third or fourth tree or large shrub will be cut at 30 mm above ground so as not to change the habitat too drastically;
- ✓ Monitoring of alien invasion or weed encroachment after mulching process





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OPERATIONAL PHASE

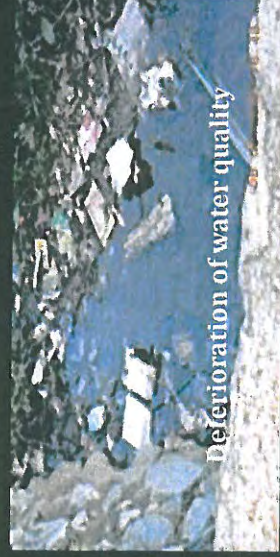
Potential impacts identified



Erosion Control



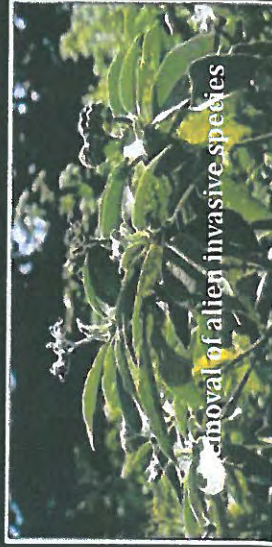
Storm Water and Flood Management



Deterioration of water quality



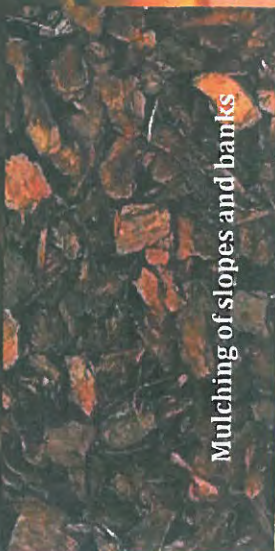
Removal of domestic waste and building rubble



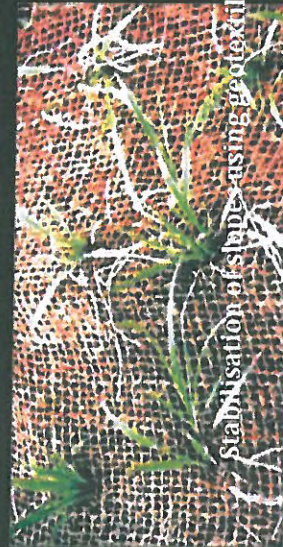
Removal of alien invasive species



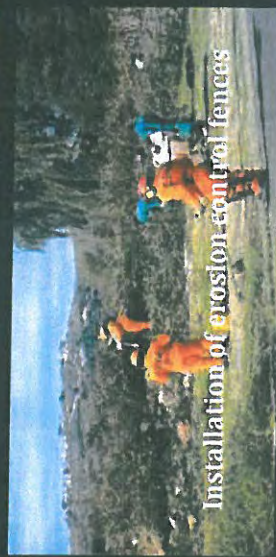
Sediment and erosion control



Mulching of slopes and banks



Stabilisation of slopes using geotextile



Installation of erosion control fences