

**Appendix A:
LOCALITY & SITE PLAN**

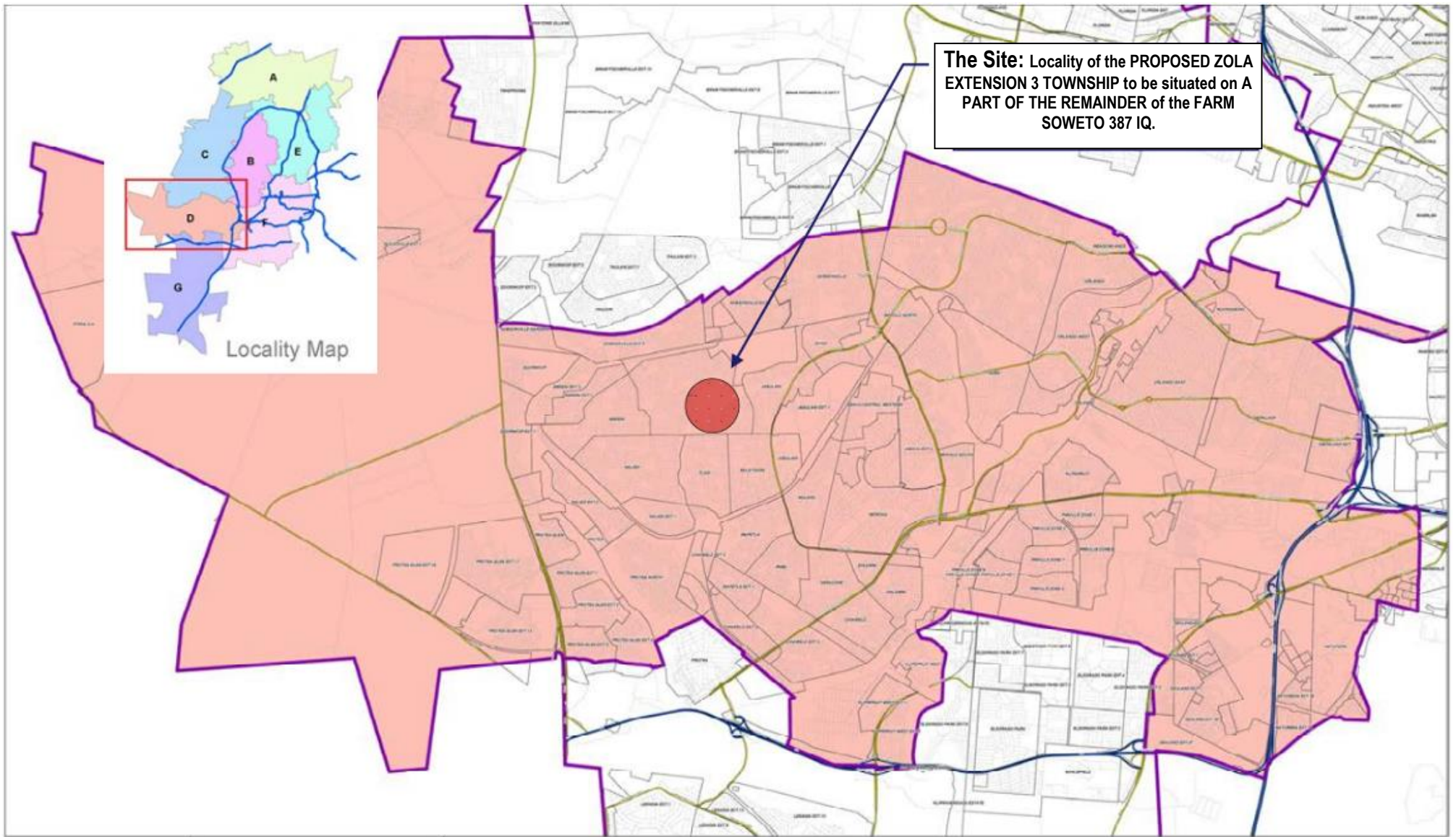
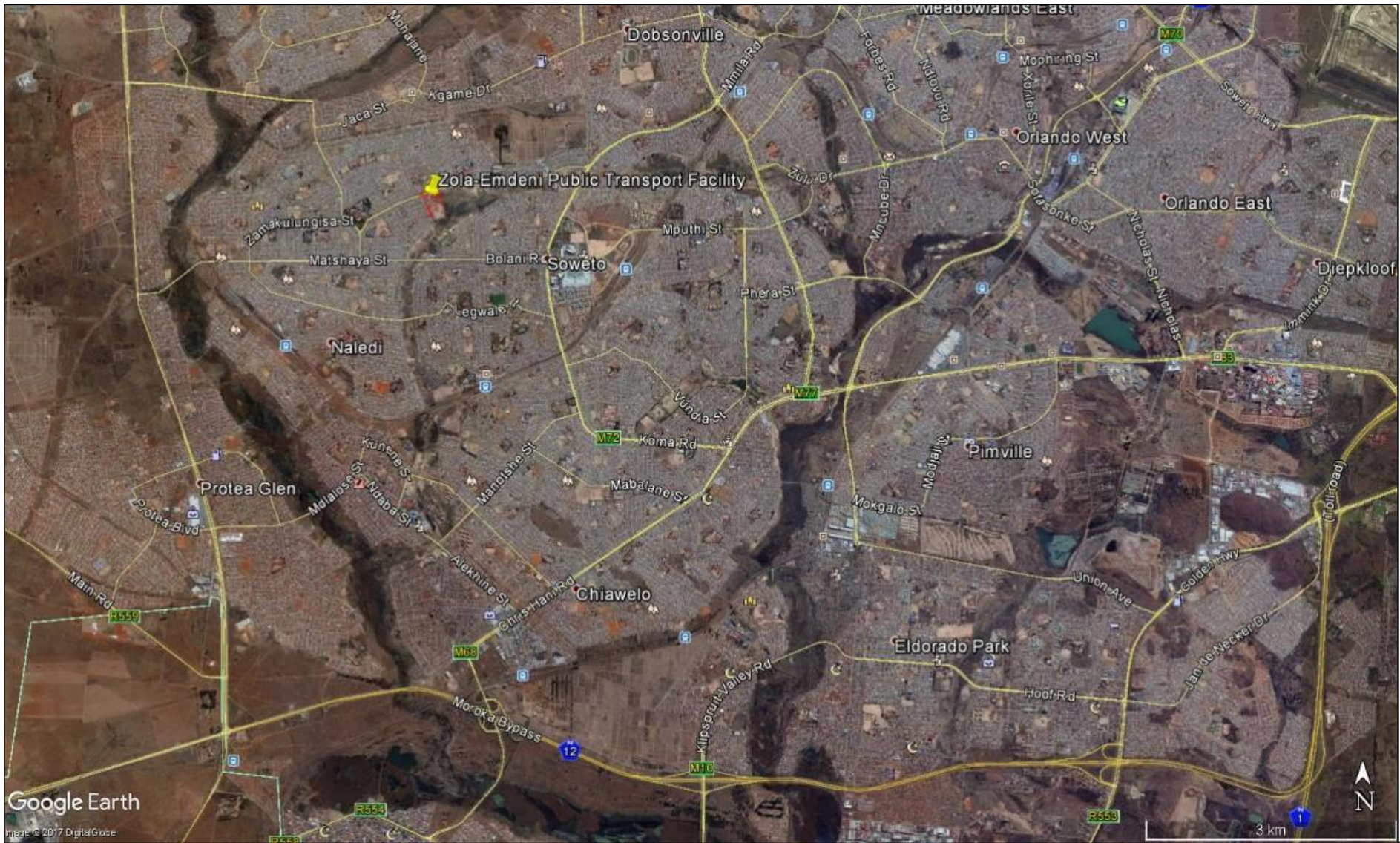


Figure 1: LOCALITY PLAN.

PROPOSED ZOLA EXTENSION 3 TOWNSHIP to be situated on A PART OF THE REMAINDER of the FARM SOWETO 387 IQ (City of Johannesburg - Gauteng).



GPS co-ordinates of centre-point of site: 26°14'32.59"S 27°50'23.25"E

Figure 2: LOCALITY GOOLE EARTH PLAN
PROPOSED ZOLA EXTENSION 3 TOWNSHIP to be situated on A PART OF THE REMAINDER of the FARM SOWETO 387 IQ (City of Johannesburg - Gauteng).



Figure 3: A Google Earth image close-up image showing the site in more detail (i.e. site boundary indicated with yellow line).

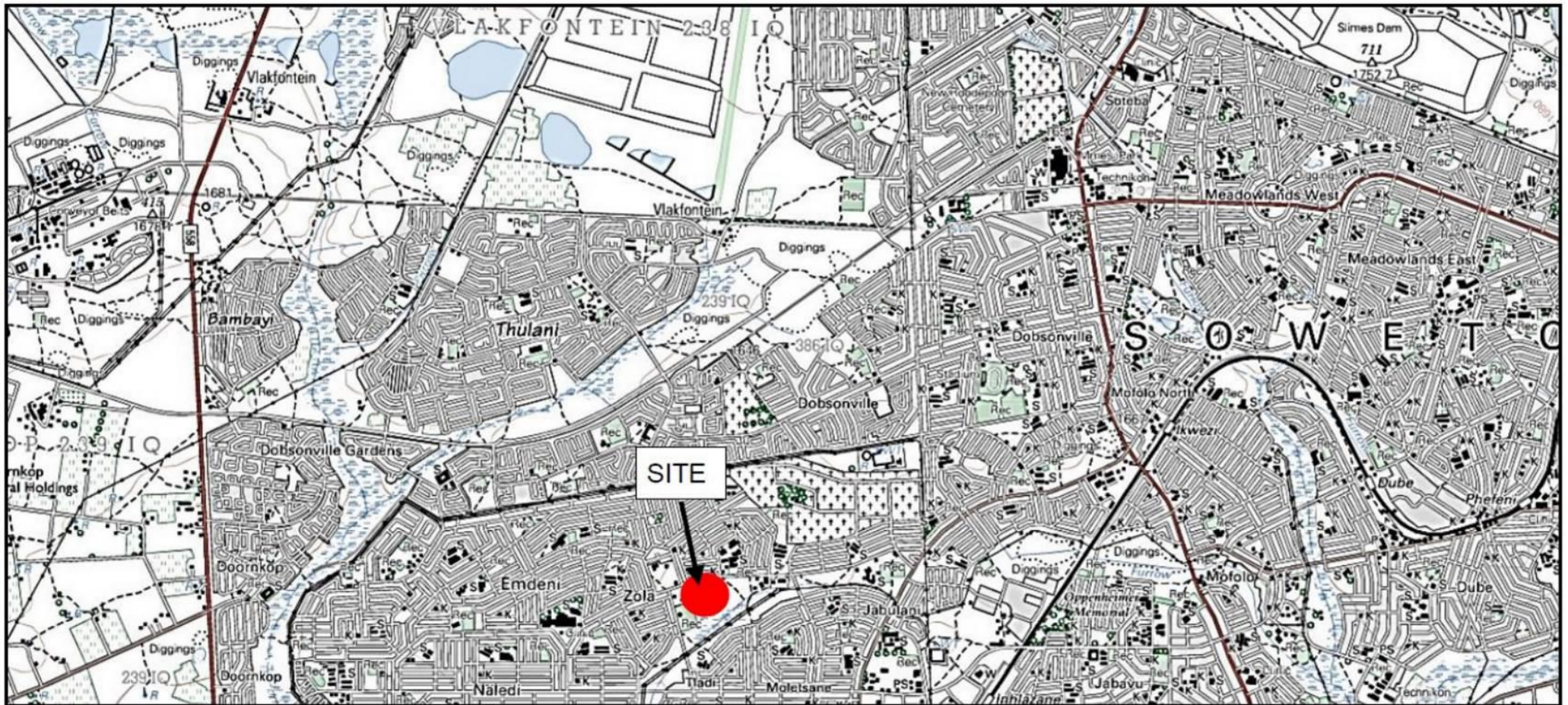


Figure 4: Topographical Map indicating the Locality of the PROPOSED ZOLA EXTENSION 3 TOWNSHIP to be situated on A PART OF THE REMAINDER of the FARM SOWETO 387 IQ.

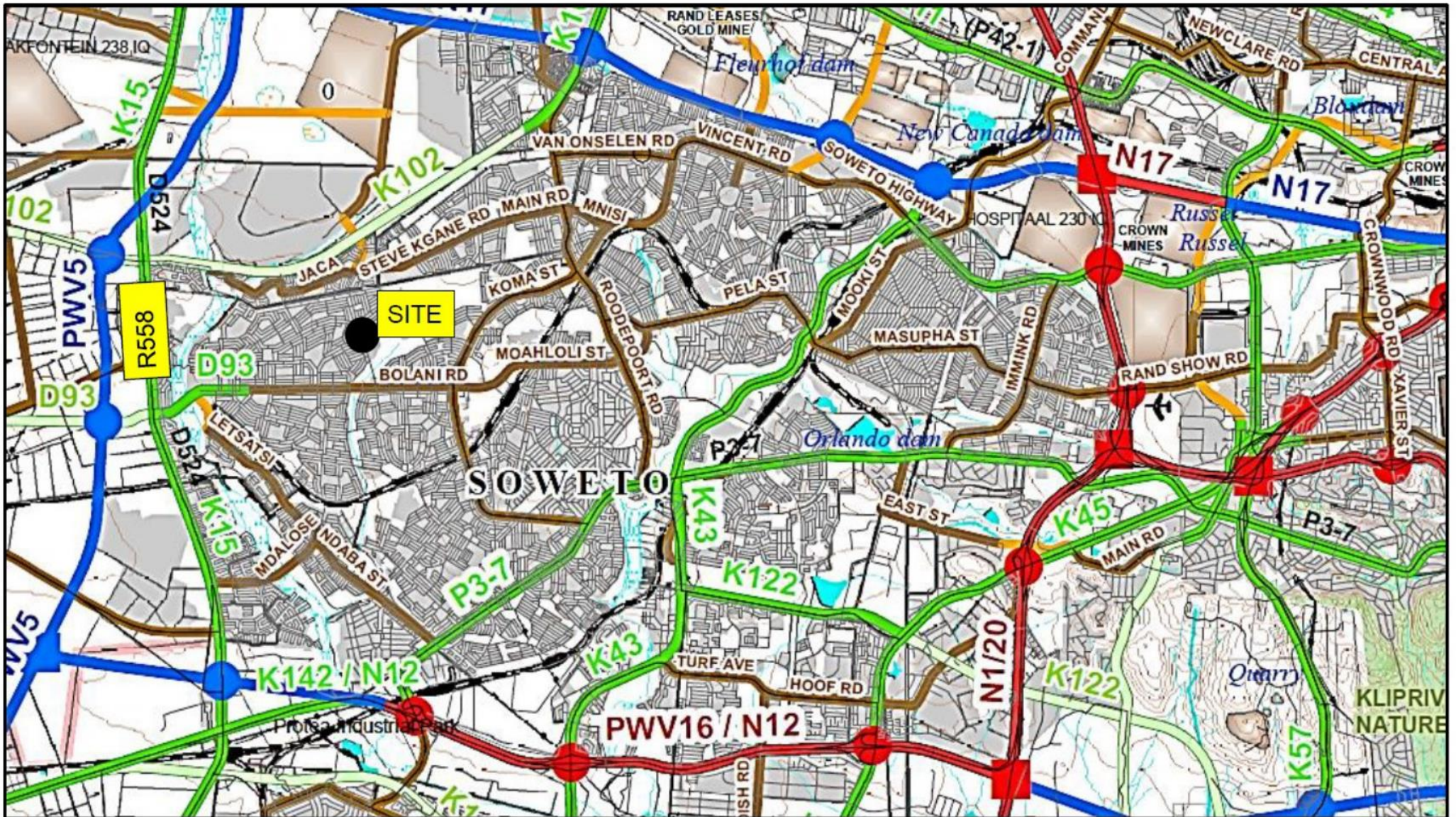


Figure 5: Topographical Map indicating the GAUTENG STRATEGIC MAJOR ROAD NETWORK in relation to the study area (GPDRT, 2010).

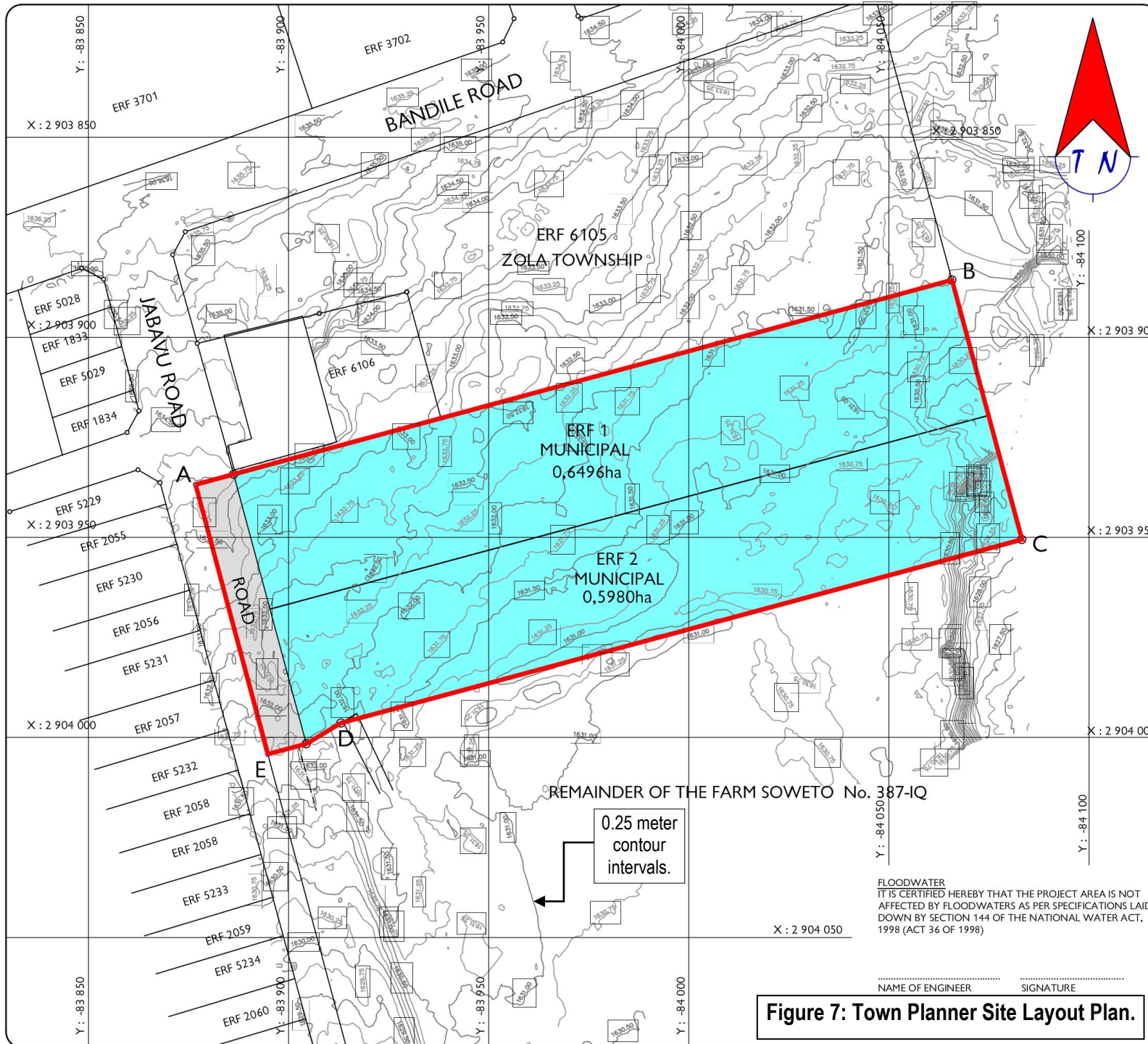


Figure 7: Town Planner Site Layout Plan.

PROJECT

**PROPOSED TOWNSHIP
ZOLA EXT.3
SITUATED ON A PART OF THE
REMAINDER OF THE FARM
SOWETO 378 I.Q**



LAND USE TABLE

LAND USE	NO. OF STAND	AREA	%
MUNICIPAL	2	1,2476	94,76
PUBLIC ROAD		0,0702	5,24
TOTAL	2	1,3178ha	100%

FIGURE A - E REPRESENTS PROPOSED TOWNSHIP ZOLA EXT.3 SITUATED ON A PART OF THE REMAINDER OF THE FARM SOWETO 378 I.Q

ERF 1 & 2 TO BE CONSOLIDATED AFTER PROCLAMATION

CLIENT

JDA
Johannesburg Development Agency

DESIGNED	HT	APPROVED		SCALE	1:1000 (A3)
DRAWN	ET	DATE	APRIL 2019	COPYRIGHT	RESERVED

DRAWING No. B1901K / SOWETO / 1

53 Conrad Street
Florida North
E-mail:
khare.inc@iafrica.com
Tel no:
(011) 472 - 5665
Fax: 086 645 3444

KHARE Inc
DEVELOPMENT FACILITATORS

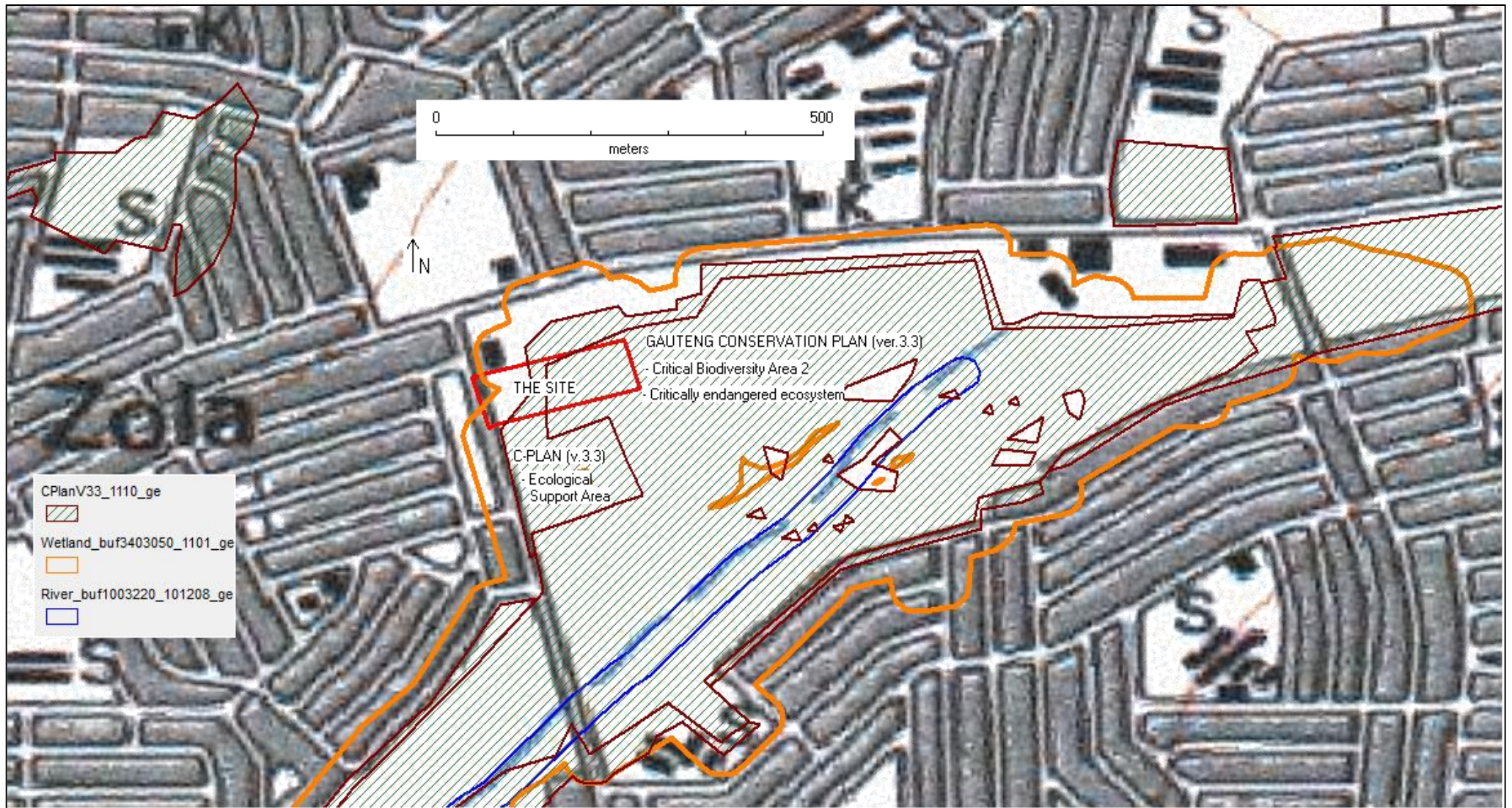


Figure 9: ECOSYSTEM SENSITIVITY MAP OF THE SITE:

Gauteng Department: Agriculture and Rural Development GAUTENG CONSERVATION PLAN VERSION 3, 2011.

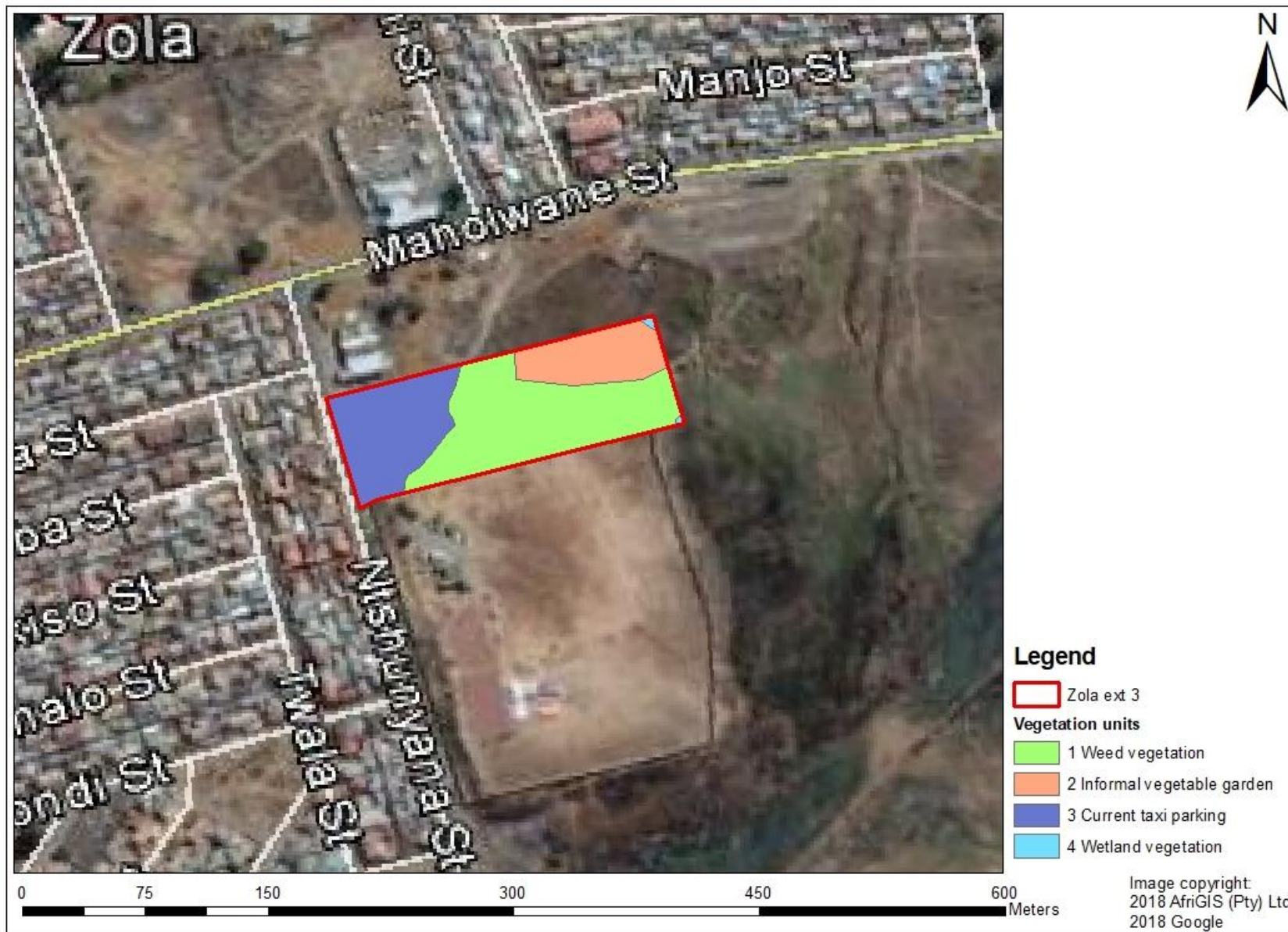


Figure 10: Vegetation / ecosystem map of the site.

Copied from i.e. '**A vegetation assessment of the site proposed for development of the Emdeni Public transport Facility in Soweto**'

- by G.J. Bredenkamp - Commissioned by Pierre Joubert Landscape Architect and Environmental Planner

[Eco-Agent CC; PO Box 23355; Monument Park; 0181. Tel 012 3463180 / Fax 012 460 2525 / Cell 082 5767046]. January 2021.)'



Figure11: Ecological sensitivity of the mapping units.

Copied from i.e: **'A vegetation assessment of the site proposed for development of the Emdeni Public transport Facility in Soweto'**

- by G.J. Bredenkamp - Commissioned by Pierre Joubert Landscape Architect and Environmental Planner

[Eco-Agent CC; PO Box 23355; Monument Park; 0181. Tel 012 3463180 / Fax 012 460 2525 / Cell 082 5767046]. January 2021.].

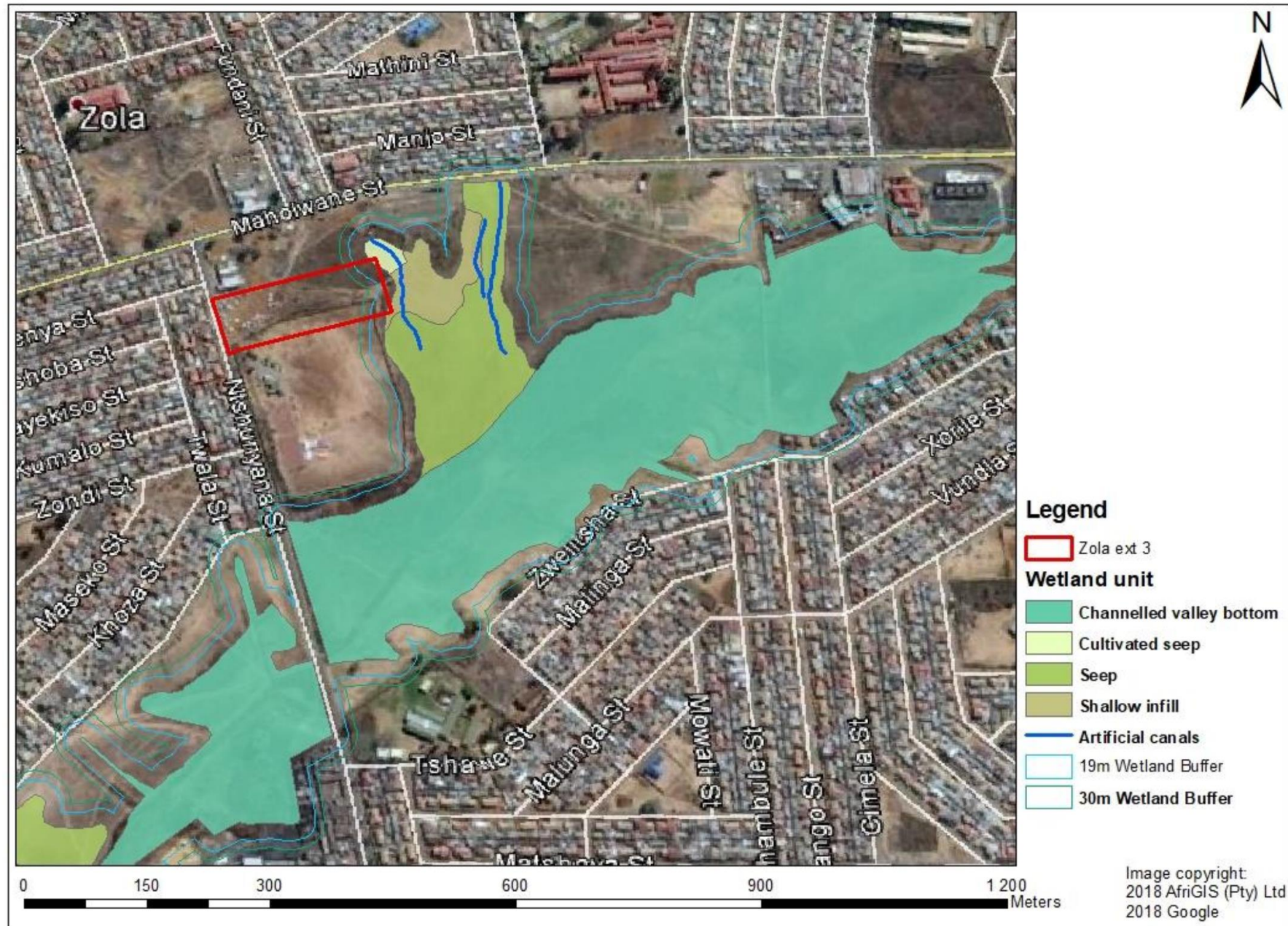
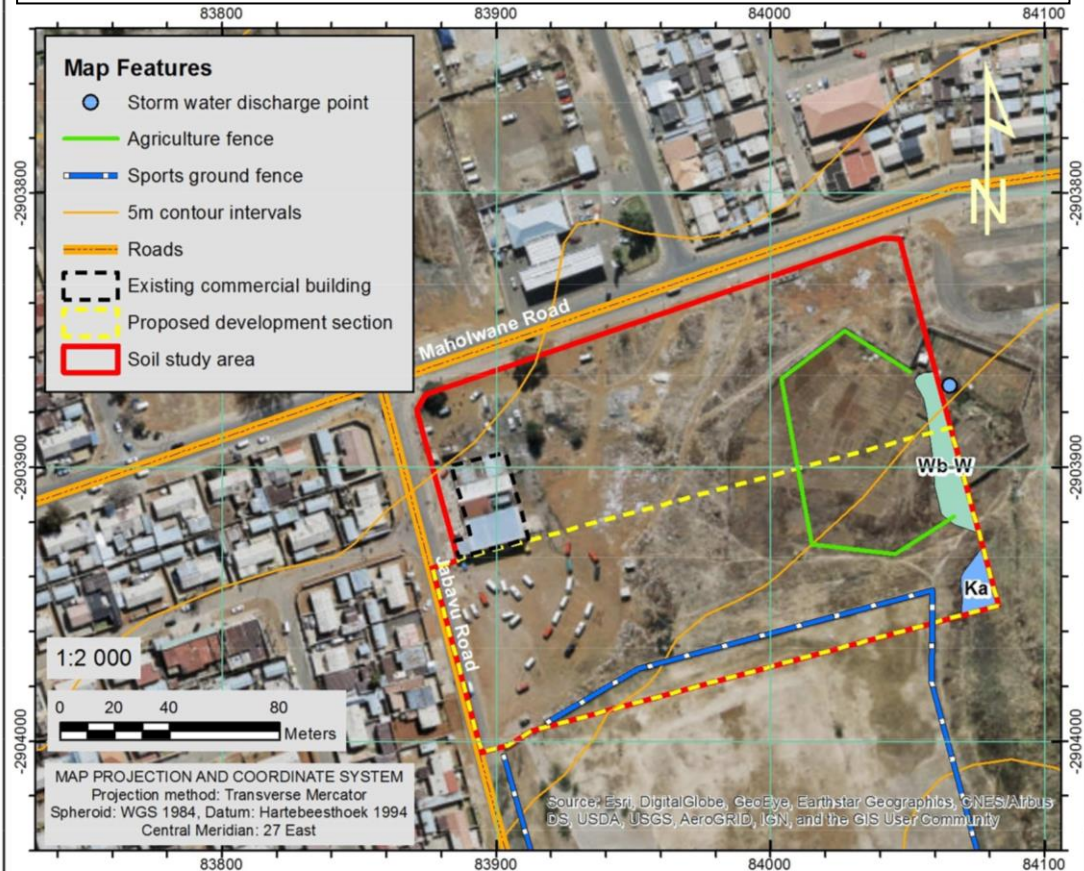


Figure12: The wetland areas in proximity to the site.

Copied from i.e: **'A wetland assessment of the site proposed for development of the Emdeni Public transport Facility in Soweto'**
 - by G.J. Bredenkamp & CE Venter (Commissioned by Pierre Joubert Landscape Architect and Environmental Planner
 [Eco-Agent CC; PO Box 23355; Monument Park; 0181. Tel 012 3463180 / Fax 012 460 2525 / Cell 082 5767046]. April 2020.)'.

Figure 13: Wetland delineation map.



(Copied from i.e: 'REPORT Soil and hydropedological assessment of the proposed Zola Public Transport Facility development area in Soweto, Gauteng Province Requested By Ecotone Freshwater Consultants Compiled By Rehab Green Monitoring Consultants CC. Environmental and Rehabilitation Monitoring Consultant cc P.I. Steenekamp (Cert.Sci.Nat.). Report No: RG/2019/08/02/1. Date: 11 December 2019. Status: Edition 1. PO Box 12636, Queenswood, 0121. Pretoria. Cell: 082 560 0592. Fax: 086 678 1690. E-mail: rehabgreen@ee-sa.com')

LEGEND: WETLAND DELINEATION

*Soil Type Code	Wetland zone	Broad Soil Description	Wetland mechanism/driver	Area (ha)
Wb-W	Temporary Artificial wetland	The upper horizon consists of varying imported soils, overlying greyish brown alluvium at places with signs of wetness and water tables occurred occasionally below 1.0 m that appeared to be caused mainly by a storm water outlet close by.	Receive increased surface runoff from the residential area to the north. Receive water from the storm water outlet close by. Due to presence of perched water tables caused by storm water outlet it is expected that some restricted lateral flow occurs within the soil profile above weathered subsoil strata although no clear E-horizons was observed. The zone was dry during the time of the soil assessment. Considering that the assessment was conducted in the driest time of the year it is expected that the state of wetness can increase significantly during mid-season.	0.05
Ka	Seasonal to permanent	Dark grey to grey, somewhat poorly to poorly drained, sandy clay loam to clay soils in a gently sloping valley bottom; Water table at 900 mm.	Receive increased surface runoff mainly via the storm water outlet. Receive probably water via the soil profile from soil type Wb-W of which the source is the storm water outlet. Receive water via exfiltration (return flow) from the perched aquifer below during wet periods.	0.02
*See soil map, Figure 2				Total 0.07



LEGEND	
[Red outline]	TAXI RANK AREA
[Green hatched area]	CHANNELED VALLEY BOTTOM (No-Go Zone)
[Yellow hatched area]	CULTIVATED SEEP
[Blue hatched area]	SEEP (No-Go Zone)
[Orange hatched area]	SHALLOW INFILL
[Brown line]	ARTIFICIAL CANALS
[Cyan line]	19m WETLAND BUFFER (No-Go Zone)
[Pink line]	30m WETLAND BUFFER (No-Go Zone)
[Green circle]	PROPOSED ATTENUATION POND
[Blue line]	FLOODLINE 1 IN 100 YEARS

FOR INFORMATION

DRAWING TYPE	INFORMATION DRAWINGS
DRAWING APPROVAL	
M. JANTJIES	<i>[Signature]</i>
for CONSULTANT (NAME AND SIGNATURE)	for CLIENT (NAME AND SIGNATURE)
DATE: JAN 2022	ECSA Pr No. 200870199

0	26/01/2022	ISSUED FOR INFORMATION
No	DATE	AMENDMENTS

DRAWN BY	S Shoko
DRAWING CHECKED	S Mathebula
DESIGNED BY	S Mathebula
DESIGN CHECKED	M Jantjies

CONSULTANTS:
AJA CONSULTING CIVIL ENGINEERS

 P O Box 2890
 FAERIE GLEN
 0043
 Tel: (012) 991 1993
 Fax: (086) 763 7046
 info@ajace.co.za
 www.ajace.co.za

CLIENT:
JOHANNESBURG DEVELOPMENT AGENCY

 P O Box 61877
 MARSHALLTOWN
 2107
 Tel: (011) 688 7851
 info@jda.org.za
 www.jda.org.za

ZOLA EMDENI PUBLIC TRANSPORT FACILITY
SITE LAYOUT MASTER PLAN

FILE No	-
AGREEMENT No	-
ROAD No.s	-
DISTRICT	JOHANNESBURG

TYPE OF PLANNING	
INFORMATION DRAWINGS	
CONTRACT No	N/A
SCALE	AS INDICATED
REVISION	0
DWG No	2021-013-PD-RD-001