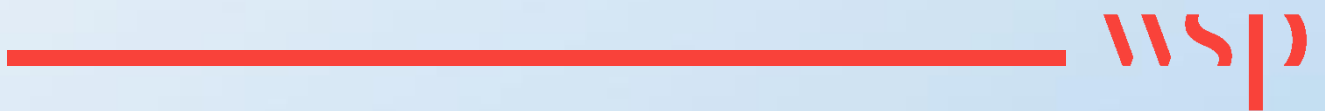
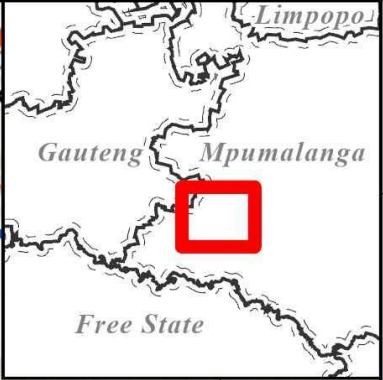
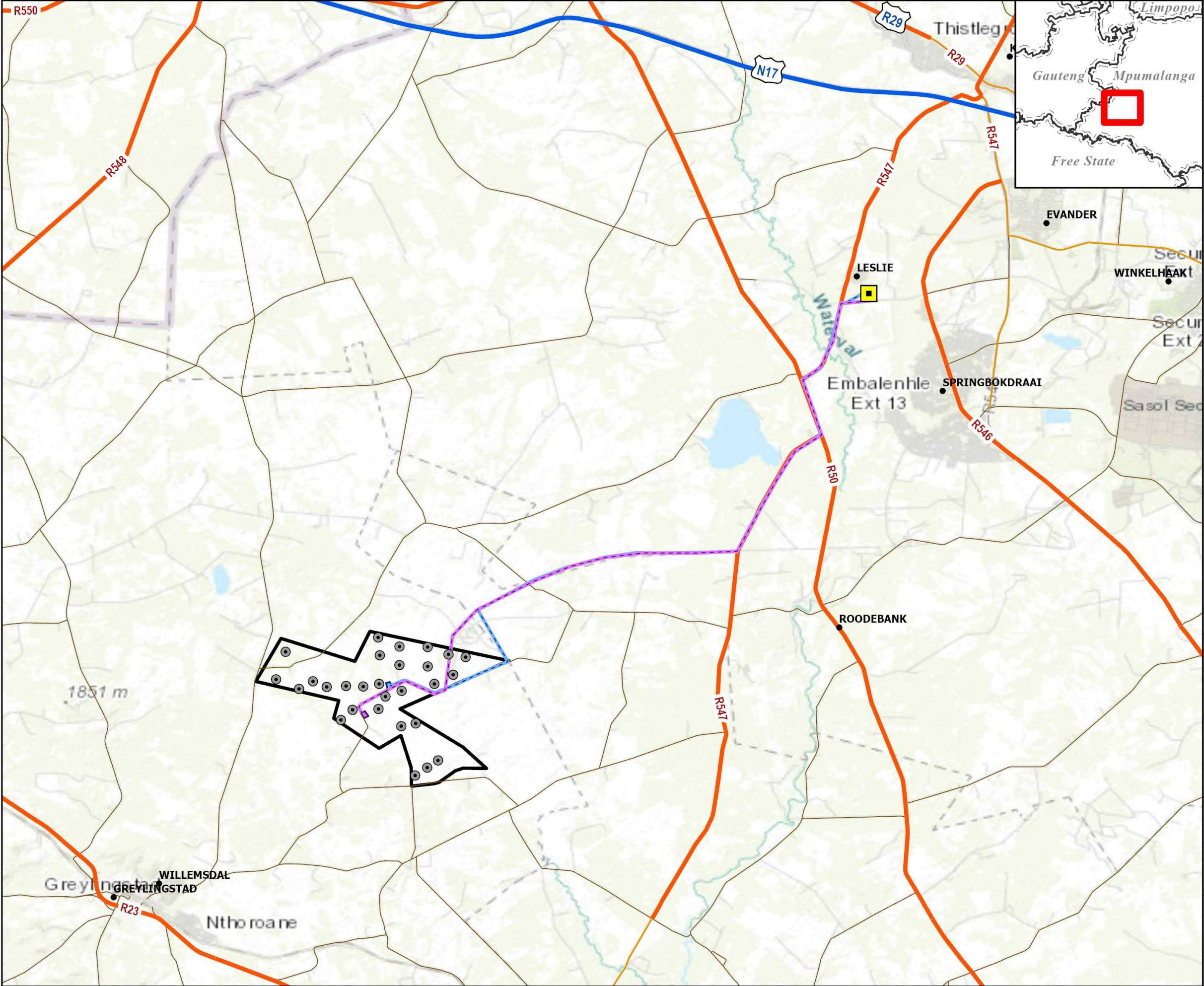


# Appendix E

**MAPS**





# IMPUMELELO WEF

## LOCALITY

**Legend**

- Turbine Locations
- Towns
- Zandfontein Substation
- Boundary

**Roads**

- National freeway
- Provincial roads
- Main road
- Secondary road

**Proposed Gridlines**

- Option 1 (33.3km)
- Option 2 (33.7km)

**Proposed Substations**

- SS x BESS Option 1 - 5ha
- SS X BESS Option 2 - 5ha

0 1 000 2 000 3 000 4 000 5 000

Metres

DISCLAIMER

The information on this figure was derived from various digital databases available to WSP Environmental (Pty) Ltd. All information is provided "as is" and it must be acknowledged that data, information, and maps are dynamic and in a constant state of maintenance, correction and update. WSP Environmental (Pty) Ltd cannot accept any responsibility for errors, omissions, or positional accuracy where it has not been directly responsible for the production of the data referenced. There are no warranties, expressed or implied, as to the use of this information, including the warranty of merchantability or fitness for a particular purpose. Notification of any errors will be appreciated.

**wsp**

**WSP ENVIRONMENTAL (PTY) LTD**  
BUILDING C, KNIGHTSBRIDGE  
33 SLOANE STREET, BRYANSTON  
P.O. BOX 98867, SLOANE PARK 2152, RSA  
Tel +27 (0)11 361 1360, Fax +27 (0)11 361 1361, [wsp@wspgroup.co.za](mailto:wsp@wspgroup.co.za)

DATA SOURCE:  
Service Layer Credits: World Topographic Map: Esri, HERE, Garmin, USGS, NGA

COORDINATE SYSTEM:

PROJECT TITLE:  
ENERTRAG SECUNDA WEF EIAS

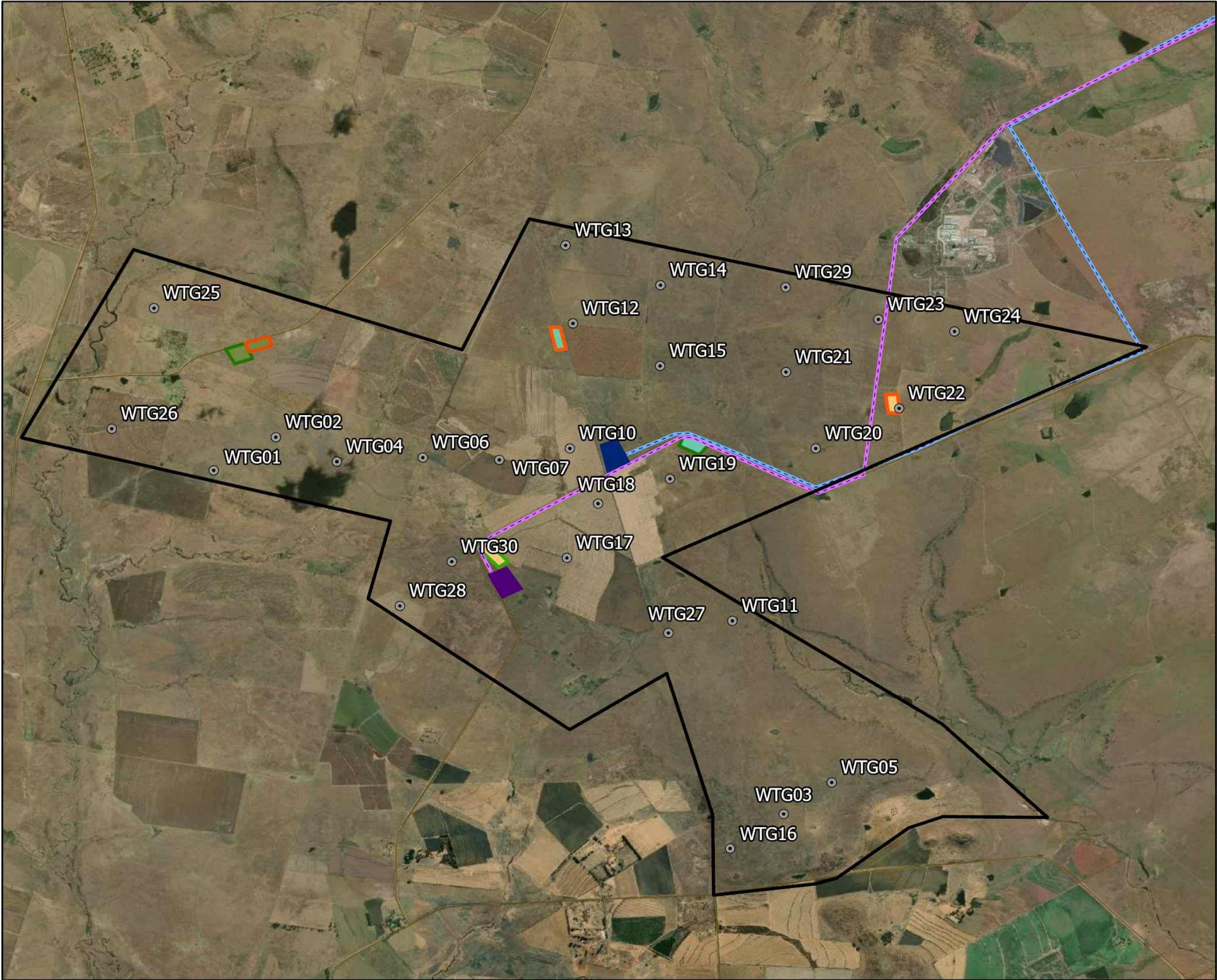
SCALE: 1:220 000	DRAWN BY: JN
DATE: 2022/11/14	REVIEWED BY: AS

FIGURE NO:	PROJECT NO: 41104073	REV:
------------	----------------------	------

© COPYRIGHT RESERVED

The content of this document is privileged and confidential and may not be disclosed or reproduced without the express authorisation of the author, being "WSP Environmental (Pty) Ltd"

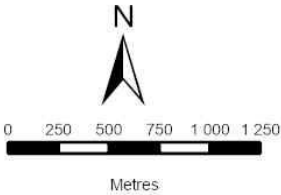




**IMPUMELELO WEF**

**MAIN COMPONENTS**

- Legend**
- Turbine Locations
  - Secondary road
  - Boundary
  - Temp Laydown Area 1 (2ha)
  - Temp Laydown Area 2 (2ha)
  - Temp Laydown Area 3 (2ha)
  - Construction camp and batching plant 1 (3ha)
  - Construction camp and batching plant 2 (3ha)
  - Construction camp and batching plant 3 (3ha)
  - Proposed Gridlines**
  - Option 1 (33.3km)
  - Option 2 (33.7km)
  - Proposed Substations**
  - SS x BESS Option 1 - 5ha
  - SS X BESS Option 2 - 5ha



**DISCLAIMER**

The information on this figure was derived from various digital databases available to WSP Environmental (Pty) Ltd. All information is provided "as is" and it must be acknowledged that data, information, and maps are dynamic and in a constant state of maintenance, correction and update. WSP Environmental (Pty) Ltd cannot accept any responsibility for errors, omissions, or positional accuracy where it has not been directly responsible for the production of the data referenced. There are no warranties, expressed or implied, as to the use of this information, including the warranty of merchantability or fitness for a particular purpose. Notification of any errors will be appreciated.



**WSP ENVIRONMENTAL (PTY) LTD**  
BUILDING C, KNIGHTSBRIDGE,  
33 SLOANE STREET, BRYANSTON  
P.O. BOX 98867, SLOANE PARK 2152, RSA  
Tel: +27 (0)11 381 1380, Fax: +27 (0)11 381 1381, wse@wspgroup.co.za

**DATA SOURCE:**  
Service Layer Credits: World Imagery, Maxar

**COORDINATE SYSTEM:** GCS WGS 1984

**PROJECT TITLE:**  
ENERTRAG SECUNDA WEF EIAS

**SCALE:** 1:50 000

**DRAWN BY:** JN

**DATE:** 2023/01/20

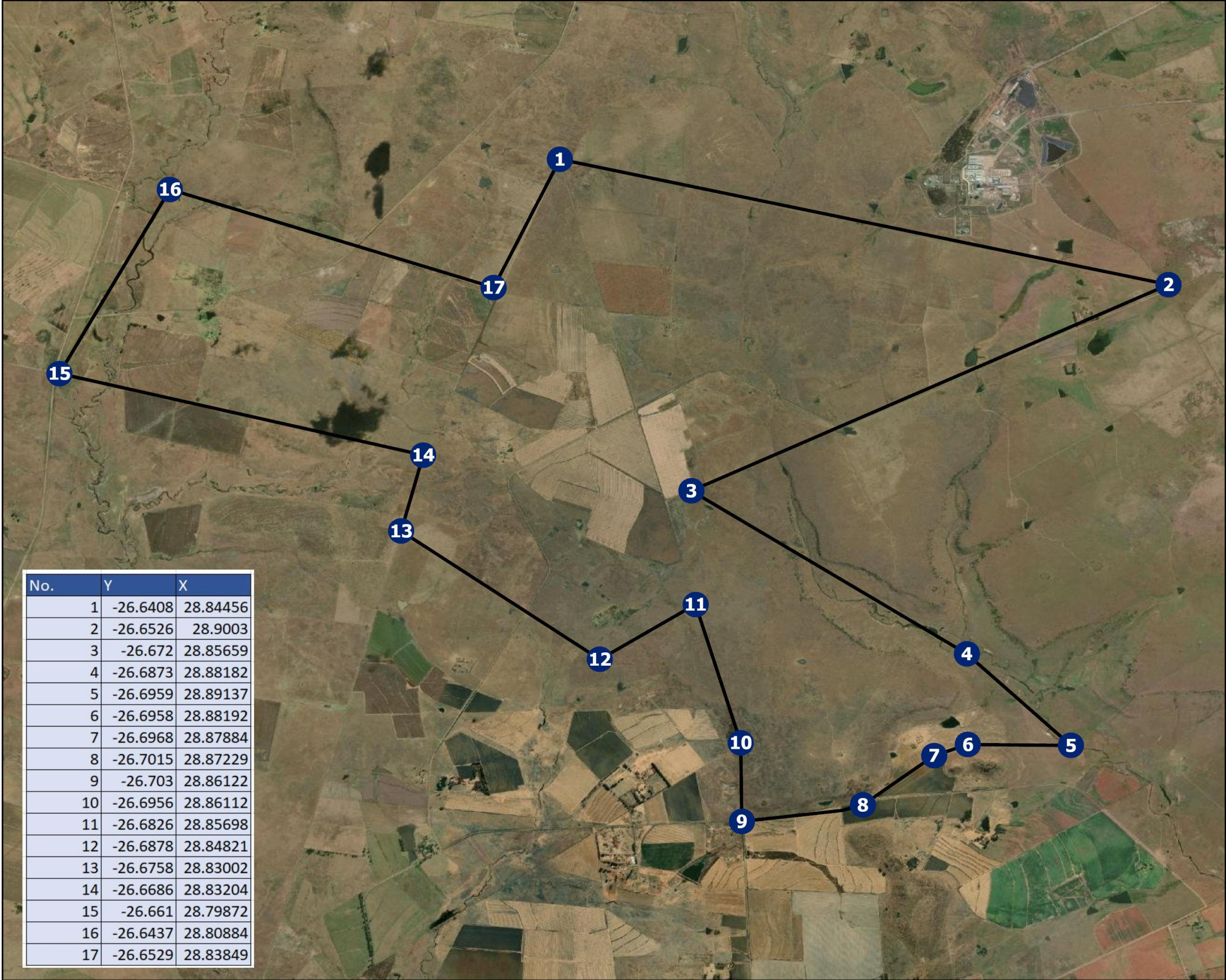
**REVIEWED BY:** AS

**FIGURE NO:** PROJECT NO: 41104073

**REV:**



**© COPYRIGHT RESERVED**  
The content of this document is privileged and confidential and may not be disclosed or reproduced without the express authorisation of the author, being "WSP Environmental (Pty) Ltd".

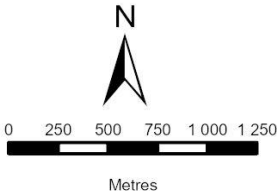




**IMPUMELELO WEF**

**EXTENT CORNER POINTS**

- Legend**
-  Boundary
  -  Corner Points



**DISCLAIMER**

The information on this figure was derived from various digital databases available to WSP Environmental (Pty) Ltd. All information is provided "as is" and it must be acknowledged that data, information, and maps are dynamic and in a constant state of maintenance, correction and update. WSP Environmental (Pty) Ltd cannot accept any responsibility for errors, omissions, or positional accuracy where it has not been directly responsible for the production of the data referenced. There are no warranties, expressed or implied, as to the use of this information, including the warranty of merchantability or fitness for a particular purpose. Notification of any errors will be appreciated.



**WSP ENVIRONMENTAL (PTY) LTD**  
BUILDING C, KNIGHTSRIDGE,  
33 SLOANE STREET BRYANSTON  
P.O. BOX 98867, SLOANE PARK 2152, RSA  
Tel +27 (0)11 361 1360, Fax +27 (0)11 361 1361, [wsp@wspgroup.co.za](mailto:wsp@wspgroup.co.za)

**DATA SOURCE:**  
Service Layer Credits: World Imagery: Earthstar Geographics

**COORDINATE SYSTEM:** GCS WGS 1984

**PROJECT TITLE:**  
ENERTRAG SECUNDA WEF EIAS

**SCALE:** 1:51 117

**DRAWN BY:** JN

**DATE:** 2023/02/08

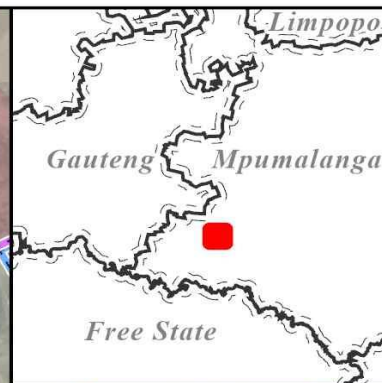
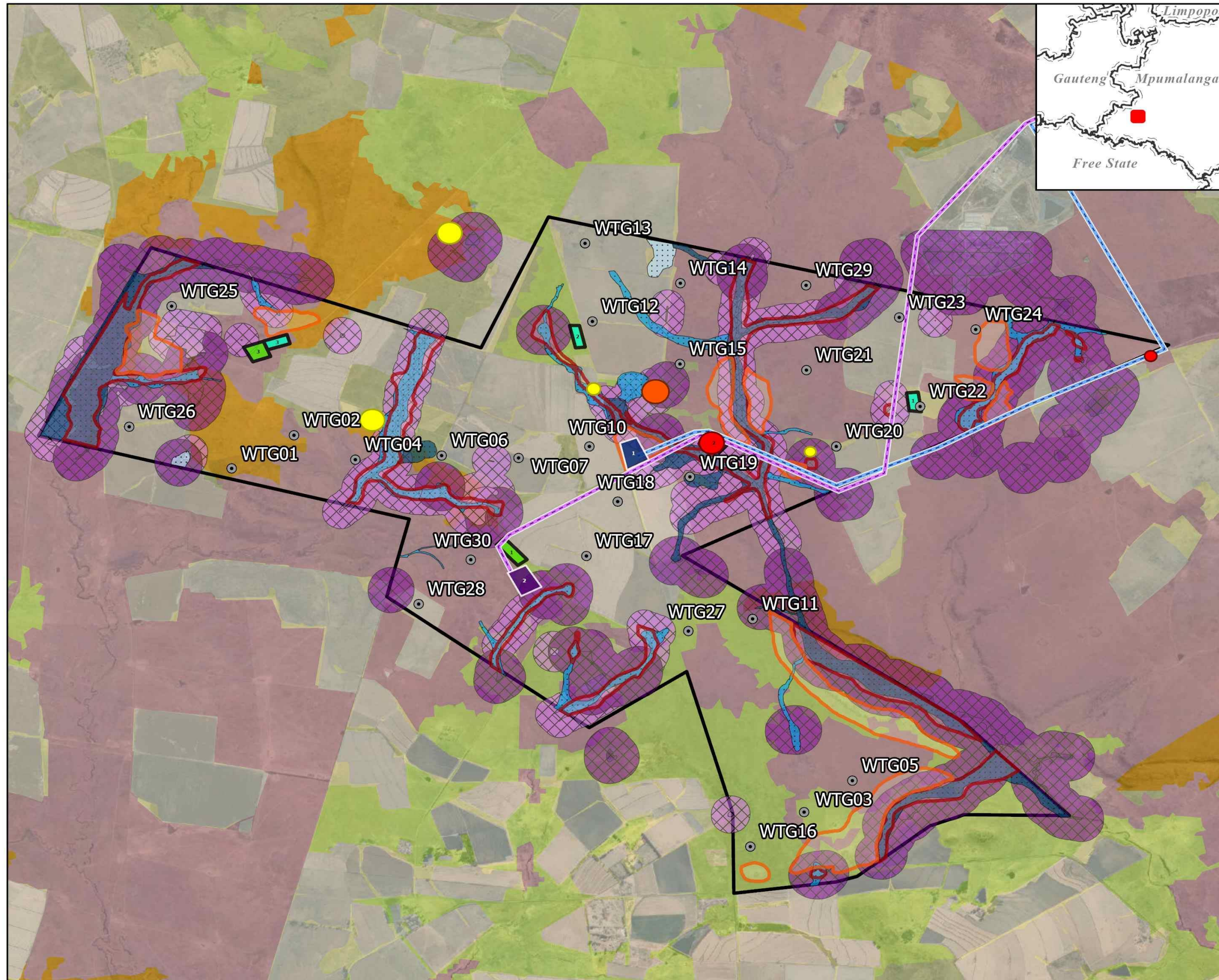
**REVIEWED BY:** AS

**FIGURE NO:** **PROJECT NO:** 41104073 **REV:**

**© COPYRIGHT RESERVED**  
The content of this document is privileged and confidential and may not be disclosed or reproduced without the express authorisation of the author, being "WSP Environmental (Pty) Ltd"

No.	Y	X
1	-26.6408	28.84456
2	-26.6526	28.9003
3	-26.672	28.85659
4	-26.6873	28.88182
5	-26.6959	28.89137
6	-26.6958	28.88192
7	-26.6968	28.87884
8	-26.7015	28.87229
9	-26.703	28.86122
10	-26.6956	28.86112
11	-26.6826	28.85698
12	-26.6878	28.84821
13	-26.6758	28.83002
14	-26.6686	28.83204
15	-26.661	28.79872
16	-26.6437	28.80884
17	-26.6529	28.83849





# IMPUMELELO WEF

## CUMULATIVE SENSITIVITY

**Legend**

- Turbine Locations
- Boundary
- Proposed Gridlines**
  - Option 1 (33.3km)
  - Option 2 (33.7km)
- Proposed Substations**
  - SS x BESS Option 1 - 5ha
  - SS X BESS Option 2 - 5ha
- Construction**
  - Temp Laydown Area
  - Construction camp and batching plant
- Heritage**
  - Low
  - Moderate
  - High
- Terrestrial**
  - High
  - Medium
- Wetlands**
  - High
  - Moderate
  - Moderately Low
- Bats**
  - High
  - Moderate
- Mpumalanga Biodiversity Sector Plan (2019)**
  - CBA Irreplaceable
  - CBA Optimal
  - ESA Landscape corridor
  - ESA Local corridor
  - Other Natural Areas
  - Moderately modified- Old lands
  - Heavily modified

0 250 500 750 1 000 1 250

Metres

**DISCLAIMER**

The information on this figure was derived from various digital databases available to WSP Environmental (Pty) Ltd. All information is provided "as is" and it must be acknowledged that data, information, and maps are dynamic and in a constant state of maintenance, correction and update. WSP Environmental (Pty) Ltd cannot accept any responsibility for errors, omissions, or positional accuracy where it has not been directly responsible for the production of the data referenced. There are no warranties, expressed or implied, as to the use of this information, including the warranty of merchantability or fitness for a particular purpose. Notification of any errors will be appreciated.

**wsp**

**WSP ENVIRONMENTAL (PTY) LTD**  
BUILDING C, KNIGHTSBRIDGE  
33 SLOANE STREET, BRYANSTON  
P O BOX 90867, SLOANE PARK 2152, RSA  
Tel: +27 (0)11 361 1360, Fax: +27 (0)11 361 1361, [wsp@wspgroup.co.za](mailto:wsp@wspgroup.co.za)

**DATA SOURCE:**  
Service Layer Credits: World Imagery: Earthstar Geographics

**COORDINATE SYSTEM:**

**PROJECT TITLE:**  
ENERTRAG SECUNDA WEF EIAS

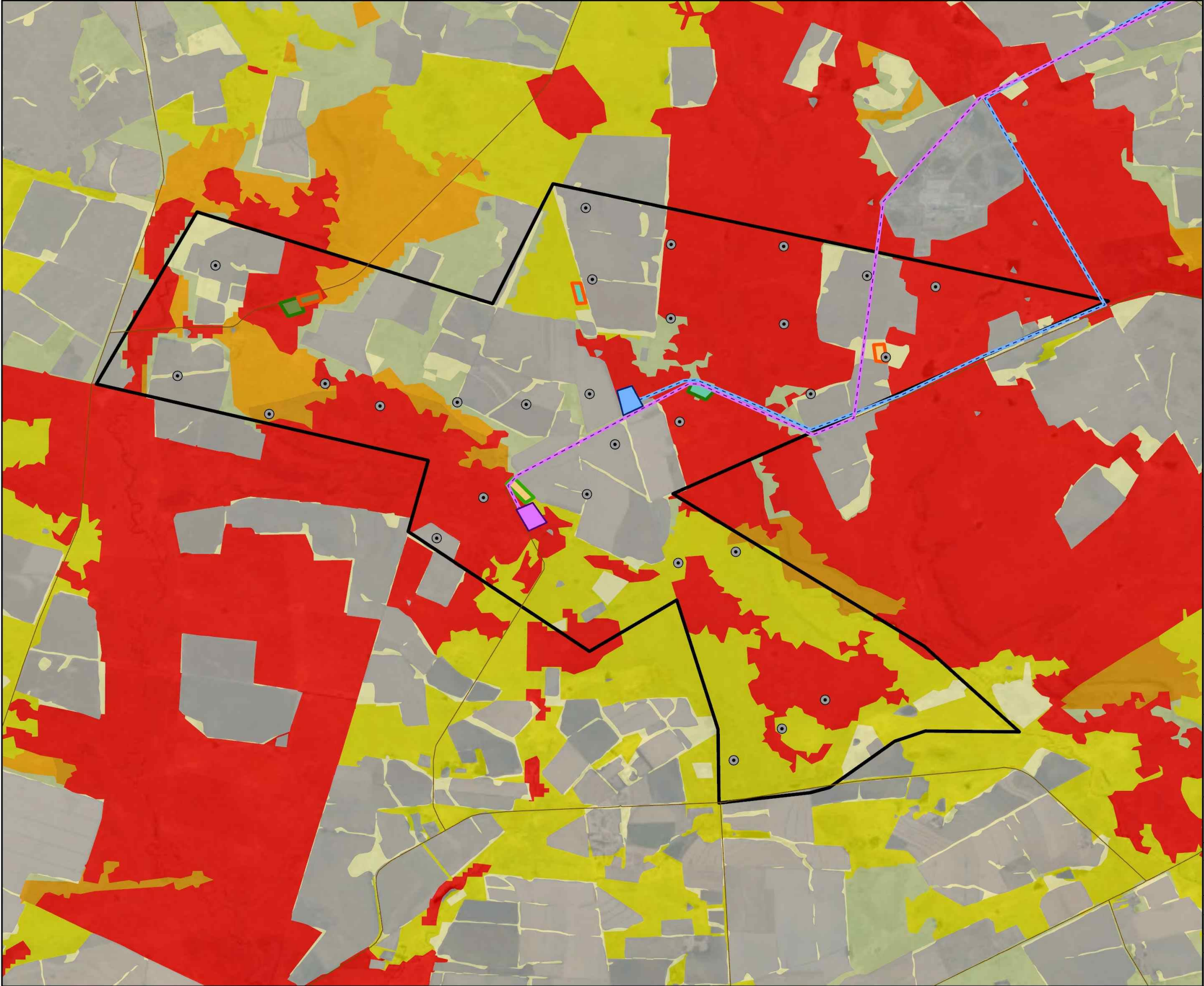
SCALE: 1:50 000	DRAWN BY: JH
DATE: 2022/11/14	REVIEWED BY: AS

FIGURE NO:	PROJECT NO: 41104073	REV:
------------	----------------------	------

© COPYRIGHT RESERVED

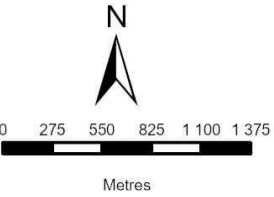
The content of this document is privileged and confidential and may not be disclosed or reproduced without the express authorisation of the author, being "WSP Environmental (Pty) Ltd"





**IMPUMELELO WEF**  
**CRITICAL BIODIVERSITY**  
**AREAS**

- Legend**
- Turbine Locations
  - Secondary road
  - Boundary
- Proposed Substations**
- SS x BESS Option 1 - 5ha
  - SS X BESS Option 2 - 5ha
- Proposed Gridlines**
- Option 1 (33.3km)
  - Option 2 (33.7km)
- Construction**
- Temp Laydown Area 1 (2ha)
  - Temp Laydown Area 2 (2ha)
  - Temp Laydown Area 3 (2ha)
  - Construction camp and batching plant 1 (3ha)
  - Construction camp and batching plant 2 (3ha)
  - Construction camp and batching plant 3 (3ha)
- Mpumalanga Biodiversity Sector Plan (2019)**
- CBA Irreplaceable
  - CBA Optimal
  - ESA Landscape corridor
  - ESA Local corridor
  - Other Natural Areas
  - Moderately modified- Old lands
  - Heavily modified



**DISCLAIMER**

The information on this figure was derived from various digital databases available to WSP Environmental (Pty) Ltd. All information is provided "as is" and it must be acknowledged that data, information, and maps are dynamic and in a constant state of maintenance, correction and update. WSP Environmental (Pty) Ltd cannot accept any responsibility for errors, omissions, or positional accuracy where it has not been directly responsible for the production of the data referenced. There are no warranties, expressed or implied, as to the use of this information, including the warranty of merchantability or fitness for a particular purpose. Notification of any errors will be appreciated.

**wsp**

**WSP ENVIRONMENTAL (PTY) LTD**  
BUILDING C, KNIGHTSBRIDGE  
33 SLOANE STREET, BRYANSTON  
P.O. BOX 98867, SLOANE PARK 2152, RSA  
Tel +27 (0)11 361 1360, Fax +27 (0)11 361 1361, [wsp@wspgroup.co.za](mailto:wsp@wspgroup.co.za)

**DATA SOURCE:**  
Service Layer Credits: World Imagery: Maxar

**COORDINATE SYSTEM:**

**PROJECT TITLE:**

ENERTRAG SECUNDA WEF EIAS

SCALE: 1:55 000

DATE: 2022/10/10

FIGURE NO:

PROJECT NO: 41104073

© COPYRIGHT RESERVED

The content of this document is privileged and confidential and may not be disclosed or reproduced without the express authorisation of the author, being "WSP Environmental (Pty) Ltd"