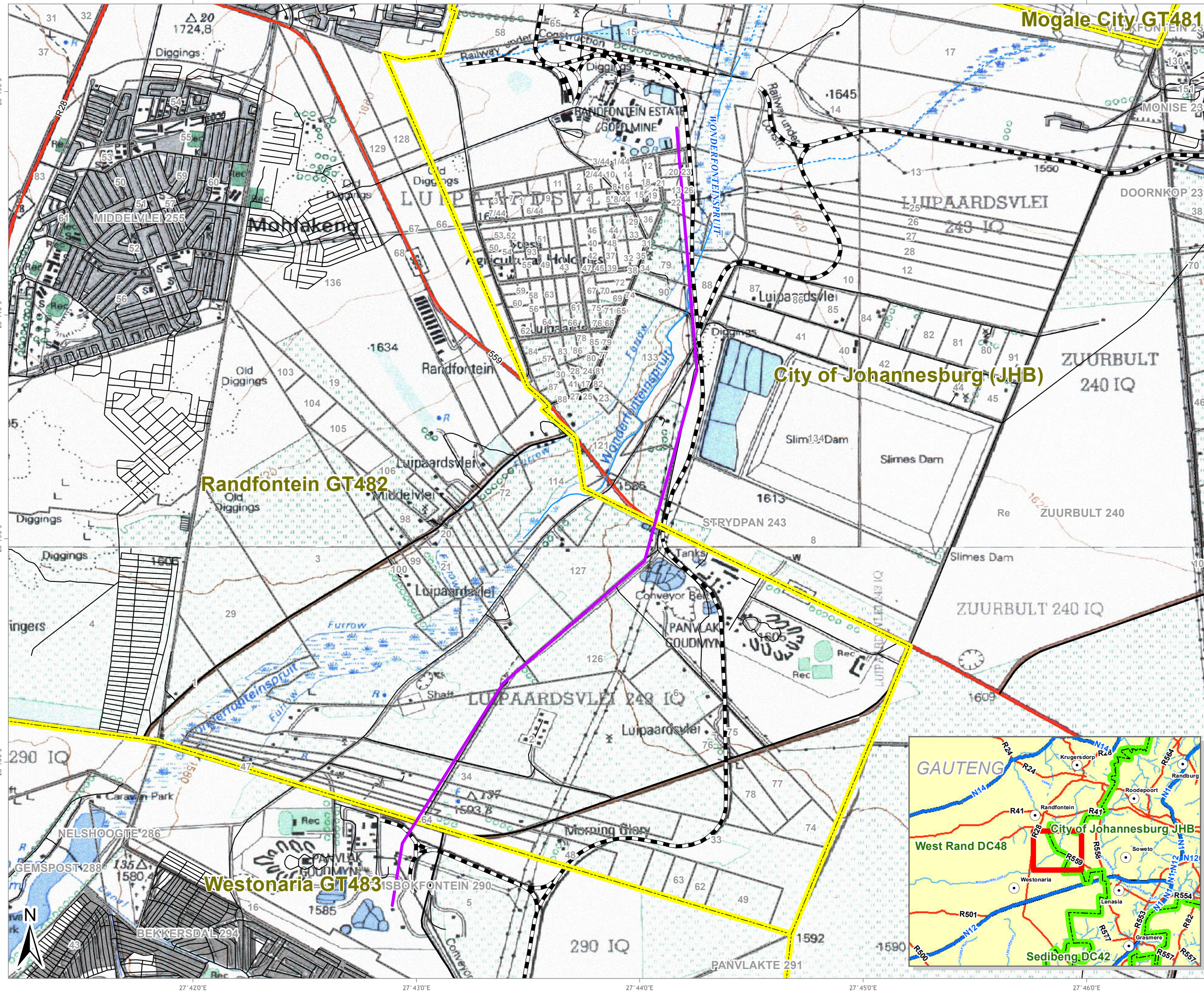


GOLD ONE TAILINGS BACKFILL PROJECT: OVERLAND LINE



LEGEND

- Overland Line
- Railway Line
- Rivers and Streams**
 - Non-Perennial
 - Perennial
- Road Network**
 - National Route
 - Main Road
 - Secondary Road
 - Street
- Farm Portion
- Local Municipalities
- District Municipalities

Data Sources: The Chief Directorate of Survey & Mapping
1:50 000 Topographical Series: 2627BA, BB, BC & BD

Disclaimer:

FIGURE NO.:

MAP NUMBER: 12-561-20121126-01

DRAWN BY: P. SNYDERS
GIS TECHNICIAN

REVIEWED BY: A.J. MAIN
GIS TECHNOLOGIST

DATUM: WGS84
PROJECTION: GEOGRAPHIC

DATE: 26 NOVEMBER 2012

CLIENT: GOLD ONE INTERNATIONAL LIMITED

PROJECT: GOLD 1 TAILINGS BACKFILL PROJECT

SCALE: 1:30,000

0 0.25 0.5 1 Kilometers

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www.gcs-sa.biz

GOLD ONE TAILINGS BACKFILL PROJECT: ROAD NETWORK



LEGEND

- TOWNS_ALL
- Overland Line Option 1
- Overland line Option 2
- Road Network**
 - National Route
 - Main Road
 - Secondary Road
 - Street
- Existing Metallurgical Plant
- Proposed New Tailings Backfill Plant

Data Sources: Microsoft Bing Maps
(c) 2010 Microsoft Corporation and its data suppliers

Disclaimer:

FIGURE NO.:

MAP NUMBER: 12-561-20130129-06

DRAWN BY: P. SNYDERS
GIS TECHNICIAN

REVIEWED BY: A.J. MAIN
GIS TECHNOLOGIST

DATUM: WGS84
PROJECTION: GEOGRAPHIC

DATE: 29 JANUARY 2013

CLIENT: GOLD ONE INTERNATIONAL LIMITED

PROJECT: GOLD 1 TAILINGS BACKFILL PROJECT

SCALE: 1:50 000

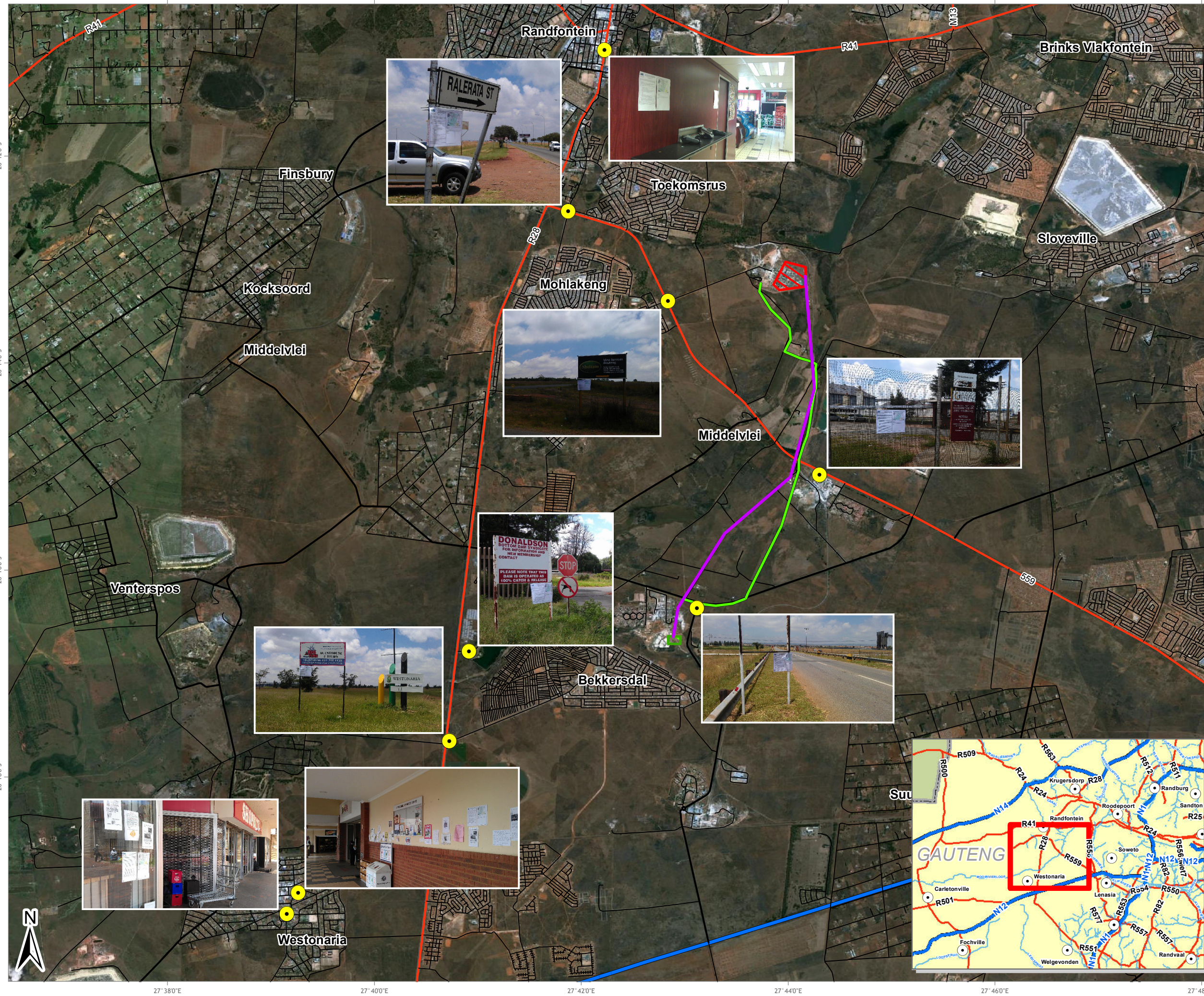
0 0.5 1 2 Kilometers

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E-mail: jhb@gcs-sa.biz
www.gcs-sa.biz

26°12'0"S
26°14'0"S
26°16'0"S
26°18'0"S

27°40'0"E 27°42'0"E 27°44'0"E 27°46'0"E 27°48'0"E

GOLD ONE TAILINGS BACKFILL PROJECT: SITE NOTICE PHOTO LOCATIONS



LEGEND

- Site Notice Photo Locations
- ~ Overland Line Option 1
- ~ Overland line Option 2

Road Network

- National Route
- Main Road
- Secondary Road
- Street

- Existing Metallurgical Plant
- Proposed New Tailings Backfill Plant

Data Sources: Google Earth™ mapping service: 2013
Imagery Date: 2012/06/06

Disclaimer:

FIGURE NO.: -

MAP NUMBER: 12-561-20130207

DRAWN BY: P. SNYDERS
GIS TECHNICIAN

REVIEWED BY: A. J. MAIN
GIS TECHNOLOGIST

DATUM: WGS84
PROJECTION: GEOGRAPHIC

DATE: 7 FEBRUARY 2013

CLIENT: GOLD ONE INTERNATIONAL LIMITED

PROJECT: GOLD 1 TAILINGS BACKFILL PROJECT

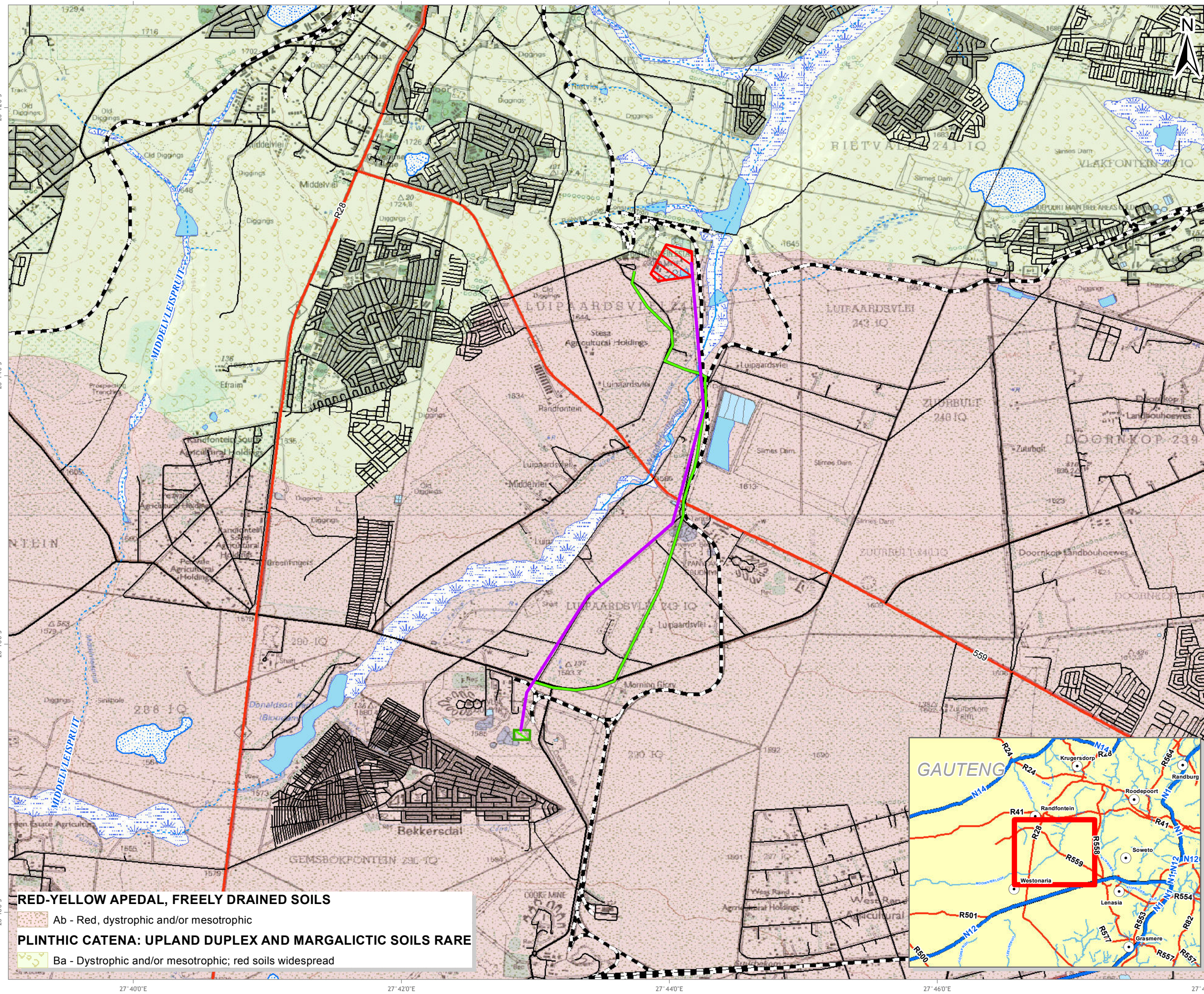
SCALE: 1:65 000

0 0.5 1 2 Kilometers

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GOLD ONE TAILINGS BACKFILL PROJECT: SOILS



LEGEND

- Overland Line Option 1
- Overland line Option 2
- Railway Line

Road Network

- National Route
- Main Road
- Secondary Road
- Street

Rivers and Streams

- Non-Perennial
- Perennial

Inland Water

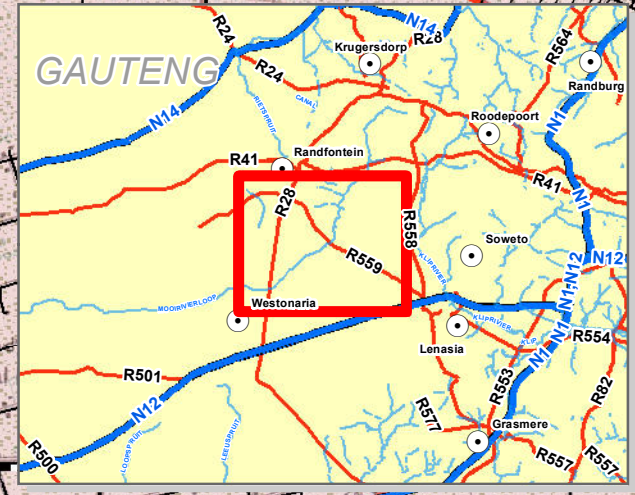
- Dams and lakes
- Dry pans
- Reservoirs and water tanks
- Marsh and swamps
- Non-perennial pans

- Existing Metallurgical Plant
- Proposed New Tailings Backfill Plant

Data Sources: Land types of South Africa: Digital map (1:250 000 scale), ARC-Institute for Soil, Climate and Water, Pretoria, 2006

Disclaimer:

FIGURE NO.:	-
MAP NUMBER:	12-561-20130129-05
DRAWN BY:	P. SNYDERS GIS TECHNICIAN
REVIEWED BY:	A.J. MAIN GIS TECHNOLOGIST
DATUM:	WGS84
PROJECTION:	GEOGRAPHIC
DATE:	29 JANUARY 2013
CLIENT:	GOLD ONE INTERNATIONAL LIMITED
PROJECT:	GOLD 1 TAILINGS BACKFILL PROJECT
SCALE:	1:50 000



RED-YELLOW APEDAL, FREELY DRAINED SOILS

- Ab - Red, dystrophic and/or mesotrophic

PLINTHIC CATENA: UPLAND DUPLEX AND MARGALICTIC SOILS RARE

- Ba - Dystrophic and/or mesotrophic; red soils widespread

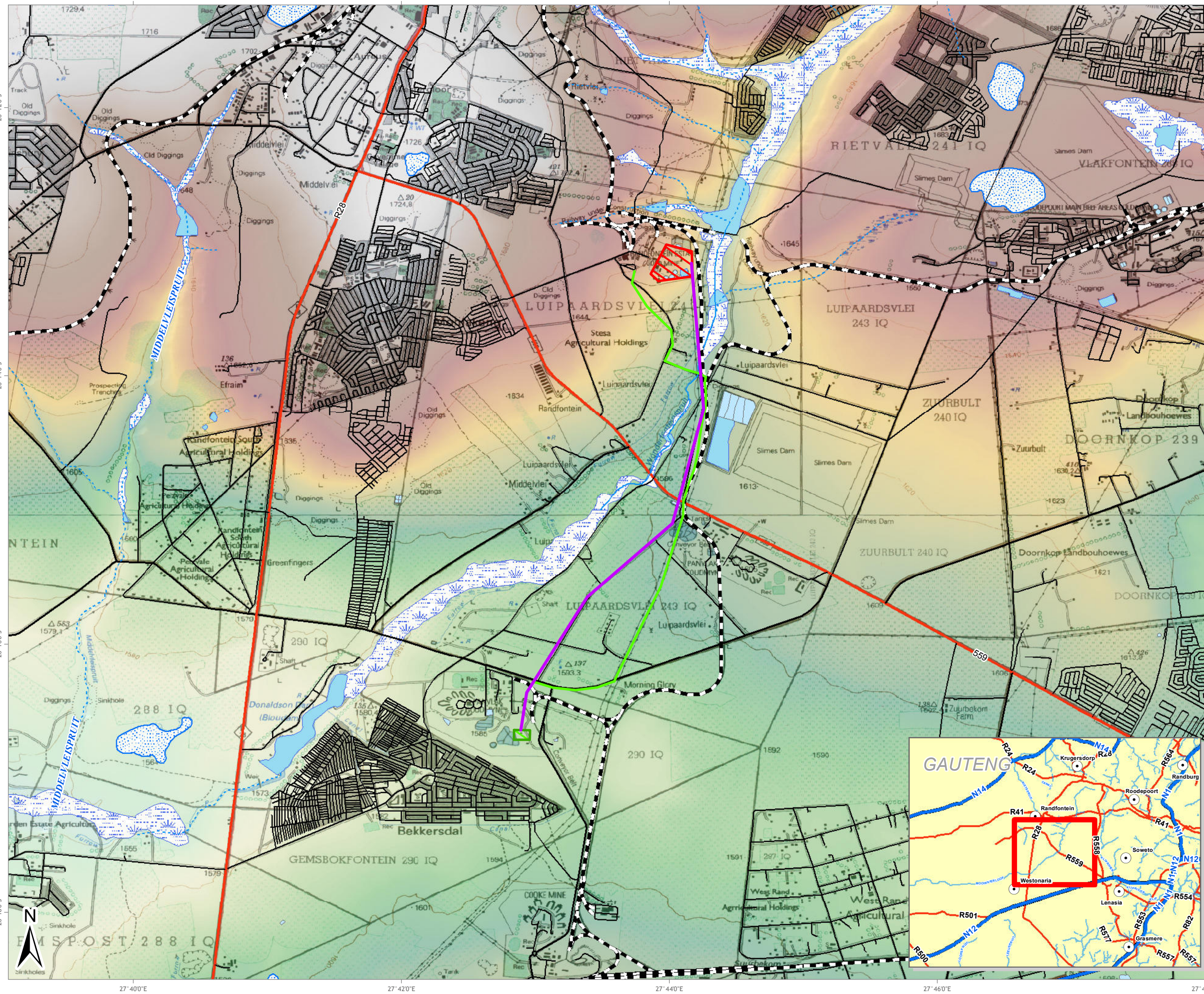
26°12'00"S 27°40'00"E 26°14'00"S 27°42'00"E 26°16'00"S 27°44'00"E 26°18'00"S 27°46'00"E 26°20'00"S 27°48'00"E

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GOLD ONE TAILINGS BACKFILL PROJECT: TOPOGRAPHY



LEGEND

- Overland Line Option 1
- Overland line Option 2
- Railway Line

Road Network

- National Route
- Main Road
- Secondary Road
- Street

Rivers and Streams

- Non-Perennial
- Perennial

Inland Water

- Dams and lakes
- Dry pans
- Reservoirs and water tanks
- Marsh and swamps
- Non-perennial pans

- Existing Metallurgical Plant
- Proposed New Tailings Backfill Plant

Elevation (mamsl)

- High : 1730
- Low : 1550

Data Sources: The Chief Directorate of Survey & Mapping
1:50 000 Topographical Series: 2627BA, BB, BC & BD

Disclaimer:

FIGURE NO.:

MAP NUMBER: 12-561-20130129-01

DRAWN BY: P. SNYDERS
GIS TECHNICIAN

REVIEWED BY: A.J. MAIN
GIS TECHNOLOGIST

DATUM: WGS84
PROJECTION: GEOGRAPHIC

DATE: 29 JANUARY 2013

CLIENT: GOLD ONE INTERNATIONAL LIMITED

PROJECT: GOLD 1 TAILINGS BACKFILL PROJECT

SCALE: 1:50 000

0 0.5 1 2 Kilometers

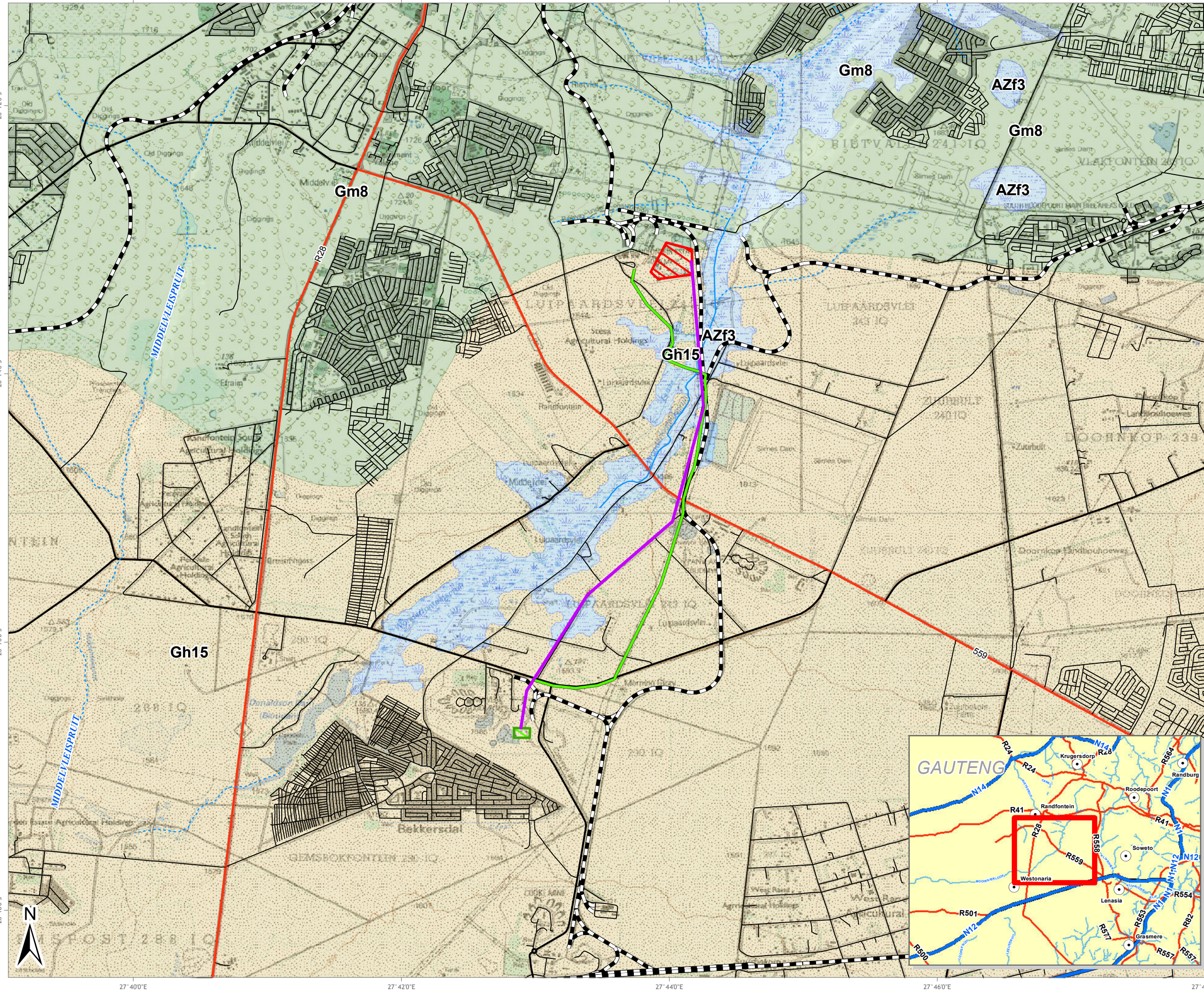
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26°12'00"S
26°14'00"S
26°16'00"S
26°18'00"S

27°40'0"E 27°42'0"E 27°44'0"E 27°46'0"E 27°48'0"E

GOLD ONE TAILINGS BACKFILL PROJECT: VEGETATION



LEGEND

- Overland Line Option 1
- Overland line Option 2
- Railway Line

Road Network

- National Route
- Main Road
- Secondary Road
- Street

Rivers and Streams

- Non-Perennial
- Perennial

Existing Metallurgical Plant

Proposed New Tailings Backfill Plant

Vegetation Classification

- Gh 15 Carletonville Dolomite Grassland
- Gm 8 Soweto Highveld Grassland
- AZf 3 Eastern Temperate Freshwater Wetlands

Data Sources: Ladislav Mucina & Michael C. Rutherford (eds). 2006: The Vegetation of South Africa, Lesotho and Swaziland. SANBI.

Disclaimer:

FIGURE NO.:

MAP NUMBER: 12-561-20130129-05

DRAWN BY: P. SNYDERS GIS TECHNICIAN

REVIEWED BY: A.J. MAIN GIS TECHNOLOGIST

DATUM: WGS84
PROJECTION: GEOGRAPHIC

DATE: 29 JANUARY 2013

CLIENT: GOLD ONE INTERNATIONAL LIMITED

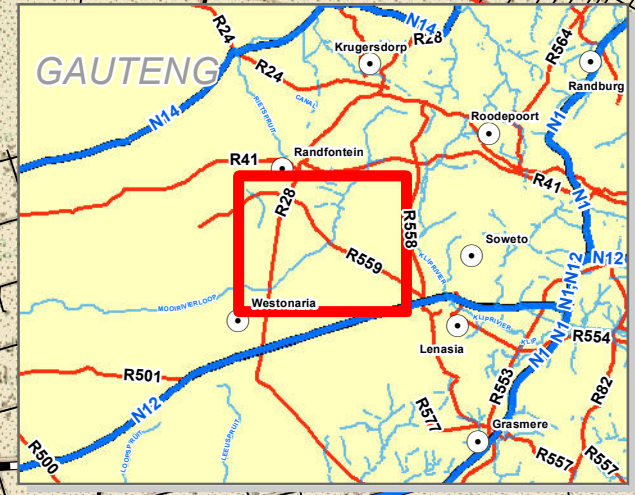
PROJECT: GOLD 1 TAILINGS BACKFILL PROJECT

SCALE: 1:50 000

0 0.5 1 2 Kilometers

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26°14'0"S
26°16'0"S
26°18'0"S

27°40'0"E 27°42'0"E 27°44'0"E 27°46'0"E 27°48'0"E