



ZUTARI
IMPACT. ENGINEERED.

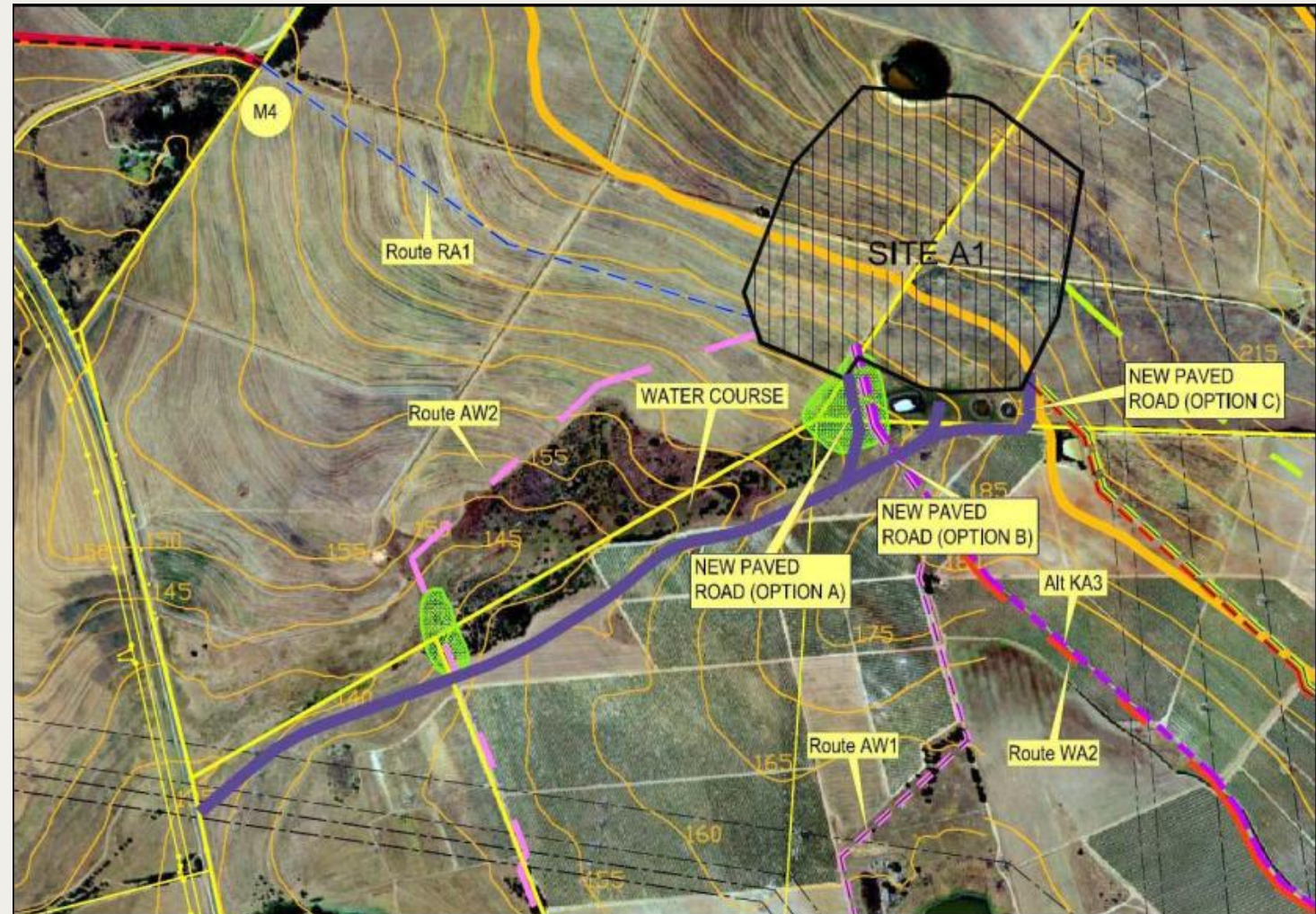
Botanical – Original Study 2008

- Botanical map for Phase 1(Site A) provided from the botanical specialist report in 2008
- A# indicate botanical sensitive areas.



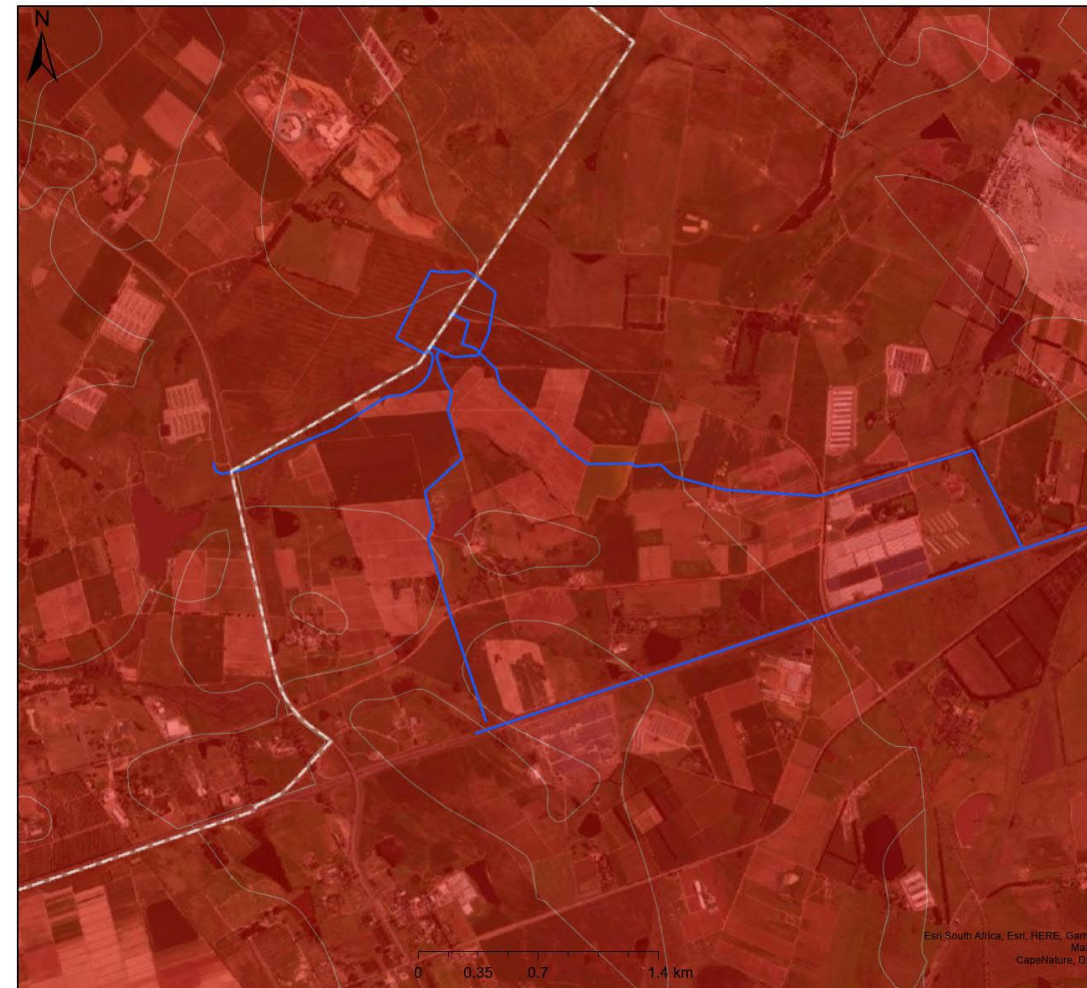
Botanical – Additional Study 2010

- Additional botanical studies completed for the reservoir Site A1 in 2010.
- Access Road Option A is the authorised access route.



Ecosystem Threat Status

- Red Areas - Critically Endangered:
- Swartland Shale Renosterveld
- Swartland Granite Renosterveld
- Swartland Silcrete Renosterveld



Western Cape Biodiversity Spatial Plan (2017)

- Reservoir affects Critical Biodiversity Areas and Watercourse
- Access Road affects Critical Biodiversity Areas and Ecological Support Areas (Res)
- Incoming and outgoing pipeline affects Critical Biodiversity Area and Ecological Support Areas (Res)



WC BSP 2017

Legend

BSP Protected Areas

BSP CBA

CBA: Terrestrial

CBA: Terrestrial (CT)

CBA: River

CBA: Wetland

CBA: Aquatic (CT)

BSP CBA: Degraded

CBA2: Aquatic

CBA2: Terrestrial

BSP ESA: Restore

ESA2: Restore from plantation or high density IAP

ESA2: Restore from other land use

ESA2: Restore where appropriate (CT)

Map Center: Lon: 18°48'18.8"E
Lat: 33°48'18.9"S

Scale: 1:34 636

Date created: September 22, 2022

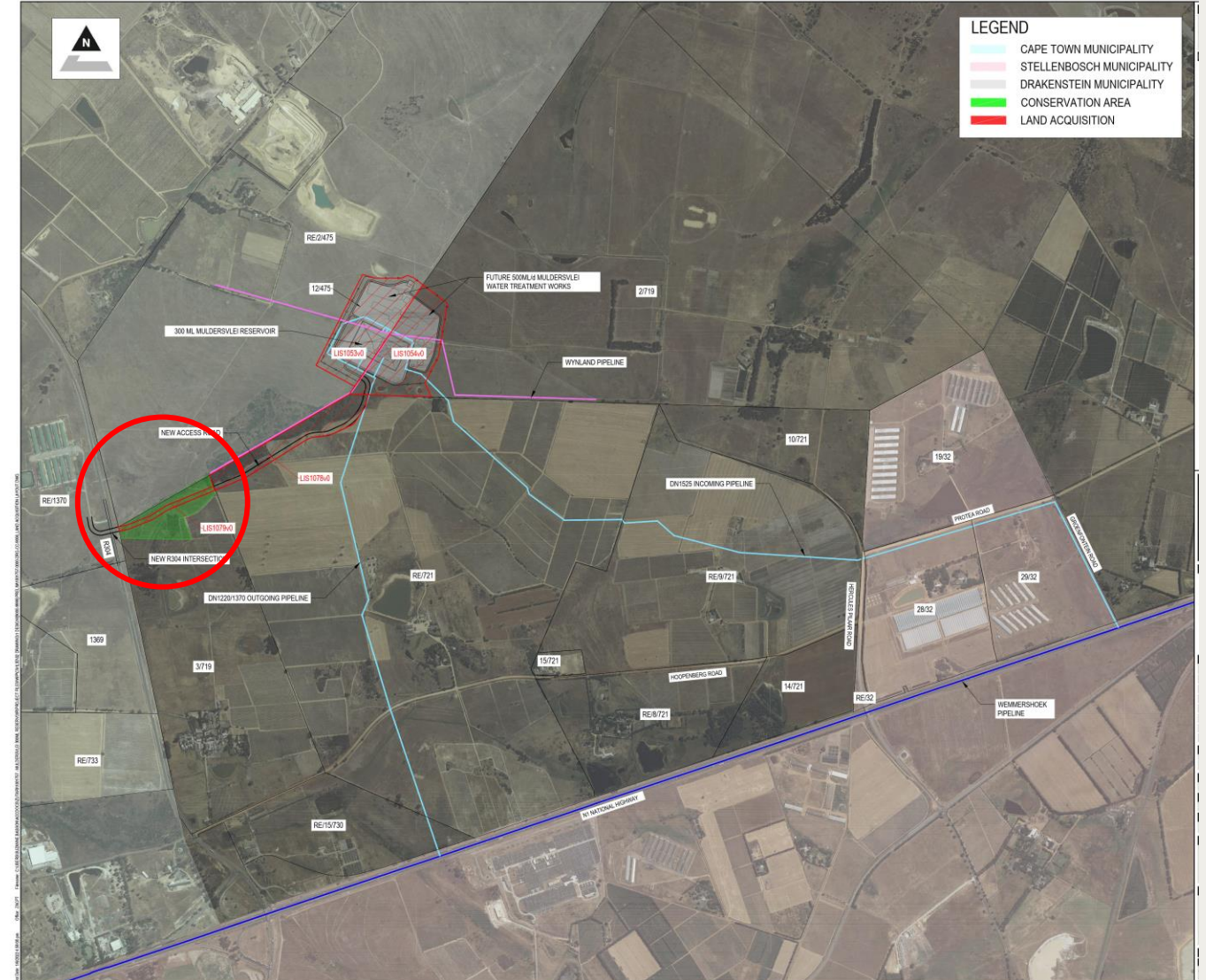
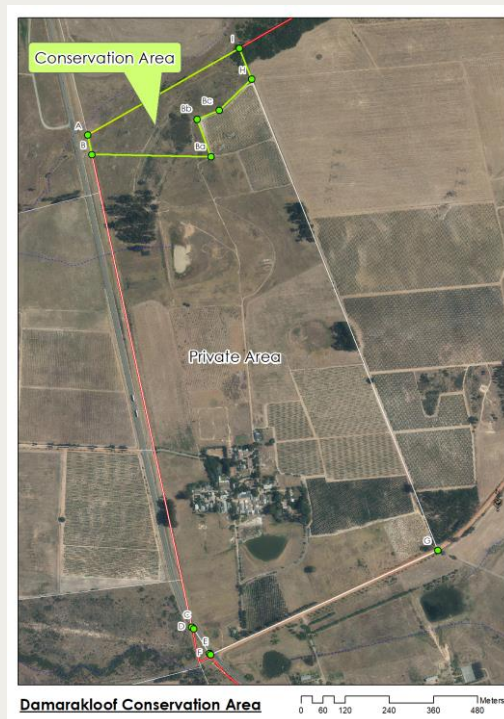


Western Cape
Government
FOR YOU

Agriculture

Conservation Area

- Damarakloof Conservation Area – agreement partially signed 23 November 2021 on Portion 3 of Farm 719



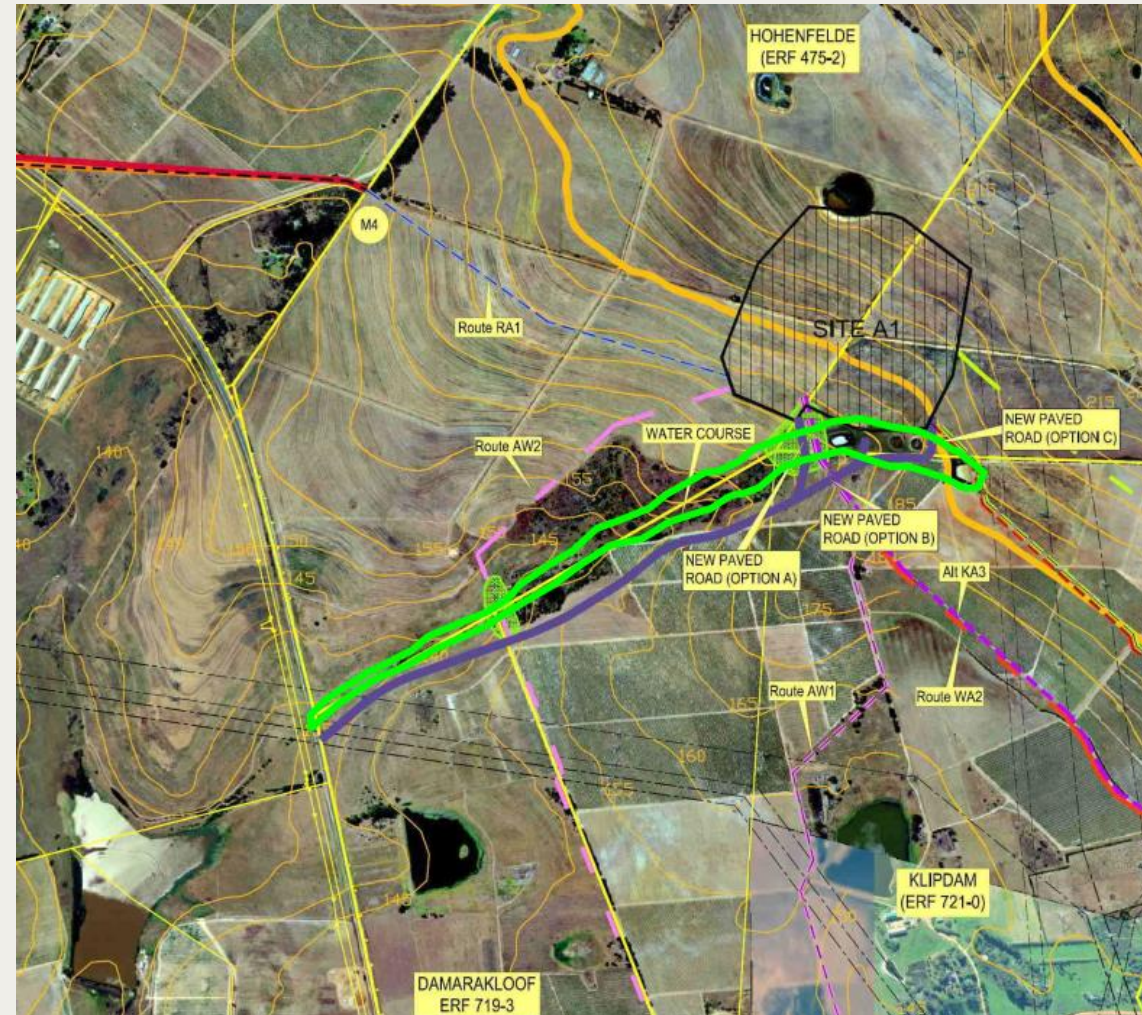
Freshwater – Original Study 2008

- Freshwater map for Phase 1 provided from the freshwater specialist report in 2008
- WTP# indicate freshwater sensitive areas.



Freshwater – Additional Study 2009

- Additional freshwater studies completed for the reservoir Site A1 in 2009.
- Freshwater area 39 was revised as per the green area.



Freshwater – Additional Study 2017

- Additional freshwater studies completed in preparation for the Water Use Licence Application in 2017.



Freshwater – Comparison



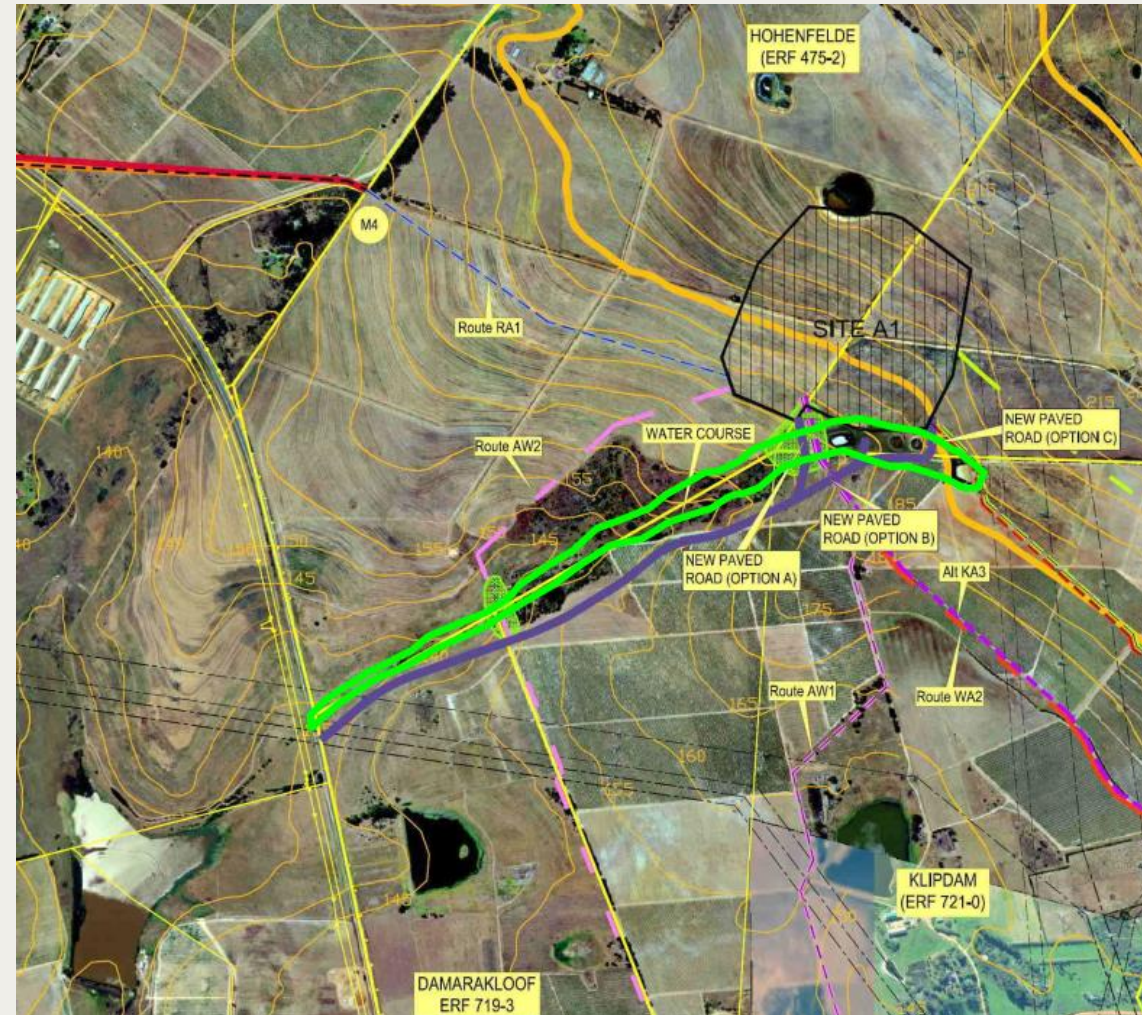
- Aquatic ecosystems identified in 2008 and 2009.



- Aquatic ecosystems identified in 2017.

Freshwater – Additional Study 2009

- Additional freshwater studies completed for the reservoir Site A1 in 2009.
- Freshwater area 39 was revised as per the green area.



Change over time

Date Nov 2006

- Original studies completed in 2006 - 2009



Change over time

Date Jul 2009

- Original studies completed in 2006 – 2009
- Additional infrastructure (chicken farm) on Farm RE/1370



Change over time

Date Nov 2010

- Original studies completed in 2006 – 2009
- Additional infrastructure (Chicken farm) on Farm RE/1370
- Mining on Portion 2 of Farm 475



Change over time

Date Feb 2016

- Original studies completed in 2006 – 2009
- Additional infrastructure (Chicken farm) on Farm RE/1370
- Mining continues on Farm 2/475
- Additional infrastructure on Farm 28/32



Change over time

Date Oct 2016

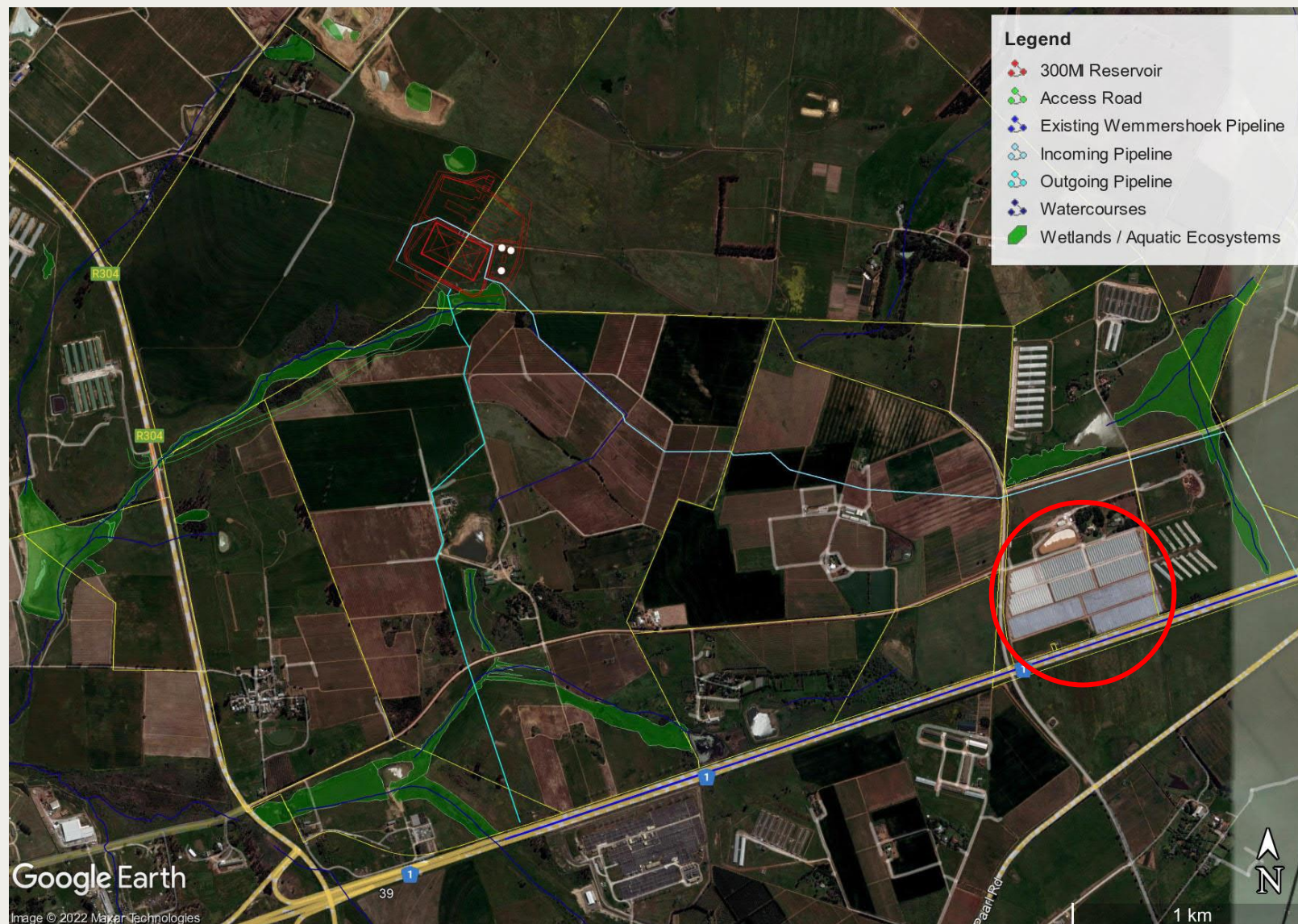
- Original studies completed in 2006 – 2009
- Additional infrastructure (Chicken farm) on Farm RE/1370
- Mining on Farm 2/475
- Additional infrastructure on Farm 28/32



Change over time

Date Sep 2017

- Original studies completed in 2006 – 2009
- Additional infrastructure (Chicken farm) on Farm RE/1370
- Mining on Farm 2/475
- Additional infrastructure on Farm 28/32



Change over time

Date Dec 2018

- Original studies completed in 2006 – 2009
- Additional infrastructure (Chicken farm) on Farm RE/1370
- Mining on Farm 2/475
- Additional infrastructure on Farm 28/32



Change over time

Date May 2019

- Original studies completed in 2006 – 2009
- Additional infrastructure (Chicken farm) on Farm RE/1370
- Mining on Farm 2/475
- Additional infrastructure on Farm 28/32



Change over time

Date Jan 2020

- Original studies completed in 2006 – 2009
- Additional infrastructure (Chicken farm) on Farm RE/1370
- Mining on Farm 2/475
- Additional infrastructure on Farm 28/32



Change over time

Date Aug 2021

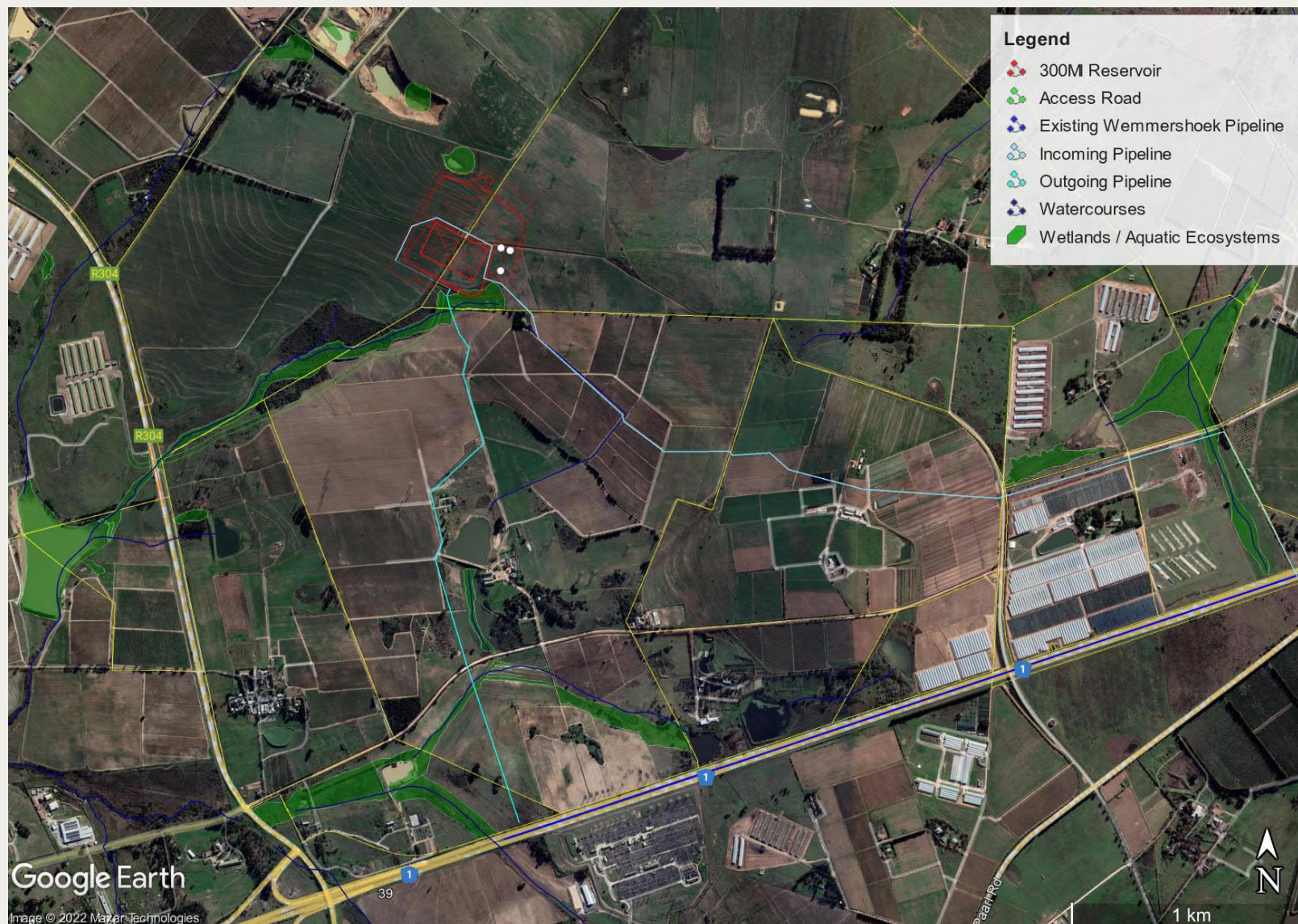
- Original studies completed in 2006 – 2009
- Additional infrastructure (Chicken farm) on Farm RE/1370
- Mining on Farm 2/475
- Additional infrastructure on Farm 28/32
- Additional infrastructure on Farm 9/721 (snail farm)
- Additional infrastructure on Farm 14/721



Change over time

Latest Imagery Date Jun 2022

- Original studies completed in 2006 – 2009
- Additional infrastructure (Chicken farm) on Farm RE/1370
- Mining on Farm 2/475
- Additional infrastructure on Farm 28/32
- Additional infrastructure on Farm 9/721 (snail farm)
- Additional infrastructure on Farm 14/721



Change over time

Latest Imagery Date Jun 2022

- Visual - the design still same, no new significant visual impact or additions that will influence the receptors
- Heritage and palaeontology - no new monuments or graves in the project area but should any graves, substantial fossil remains be encountered at surface or exposed during construction, the ECO or EO would safeguard these, preferably in situ, and then alert the SAHRA, as soon as possible (Contact details: Dr Ragna Redelstorff, Heritage Officer Archaeology, Palaeontology & Meteorites Unit, SAHRA. 111 Harrington Street, Cape Town, 8001).



Change over time

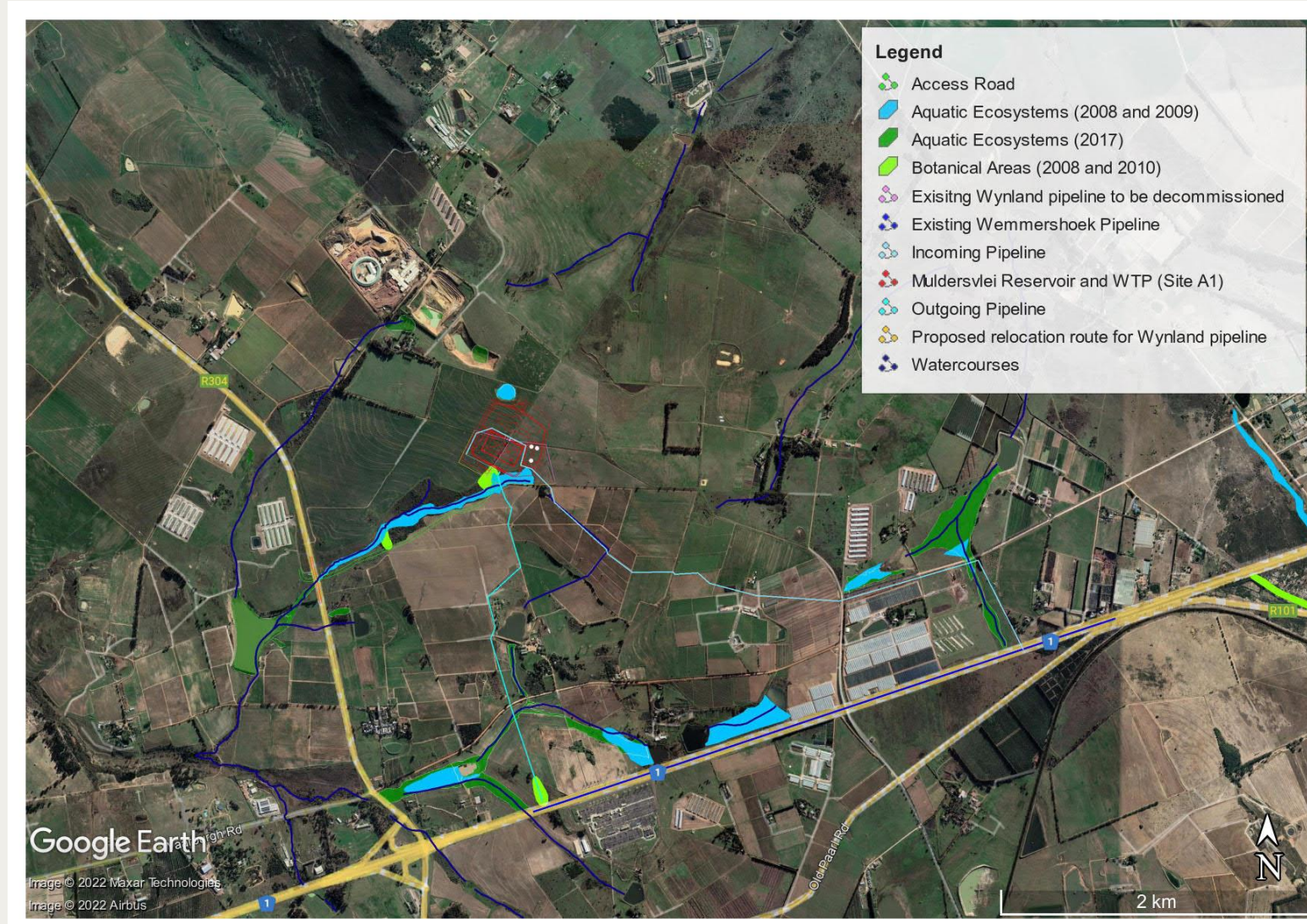
Latest Imagery Date Jun 2022

- Economic – no new infrastructure or housing developments noted in the area
- Agriculture – development of agriculture there is limited influence on the incoming pipeline (snail farm) and no influence on reservoir and WTP



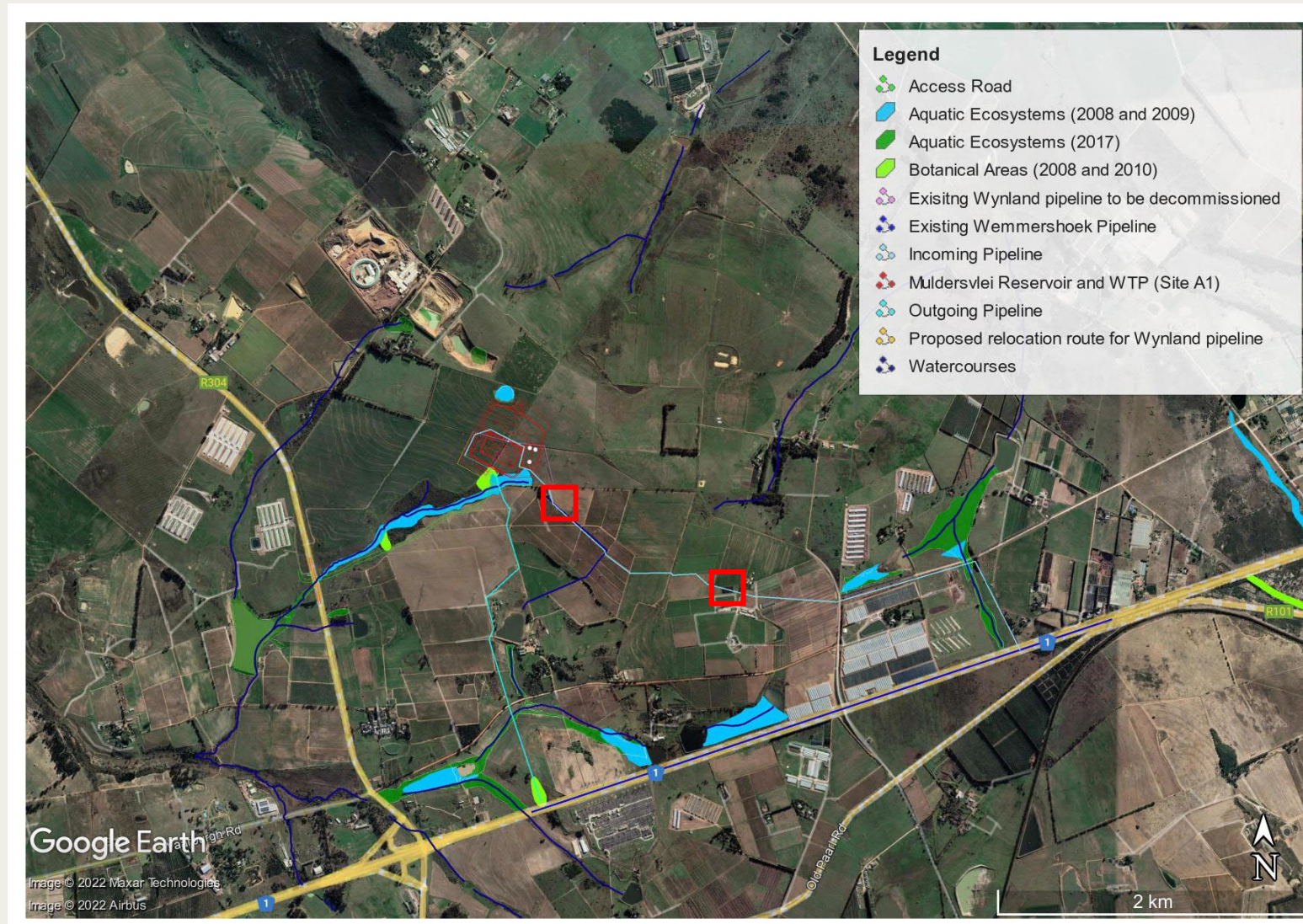
Minor Amendments

- Incoming Pipeline
- Access Road
- Relocation of Wynland Pipeline

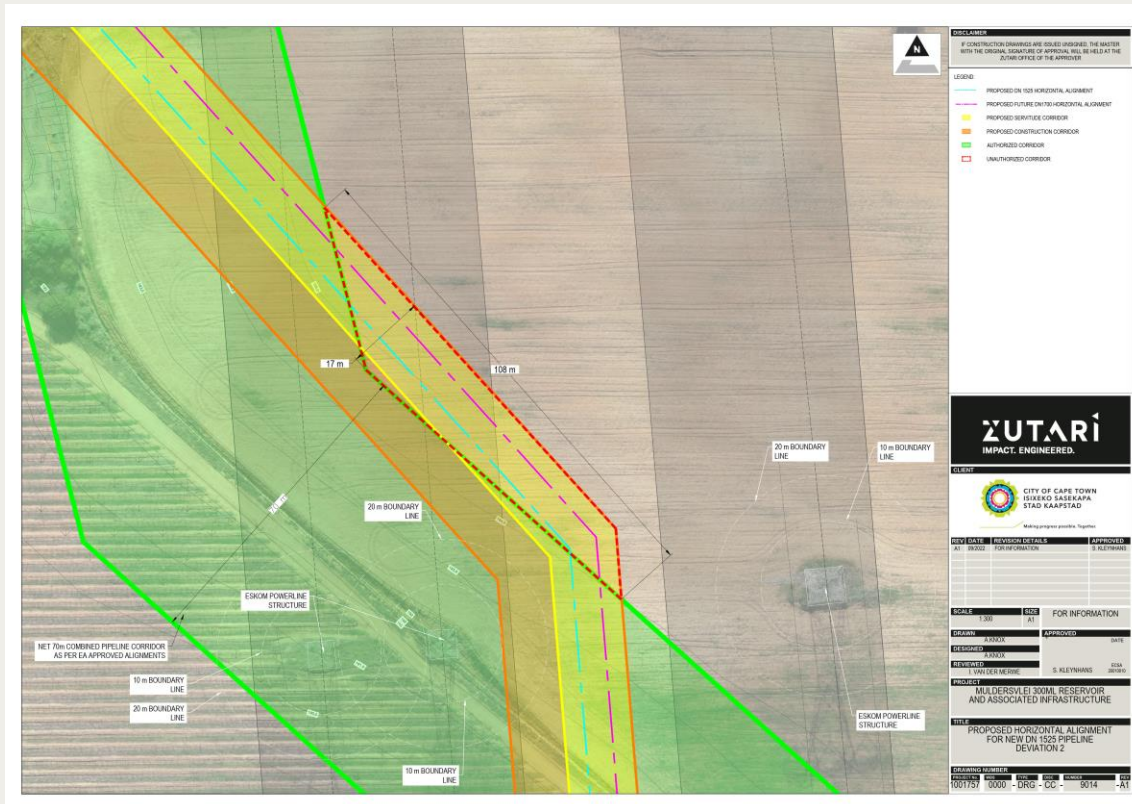


Minor Amendments

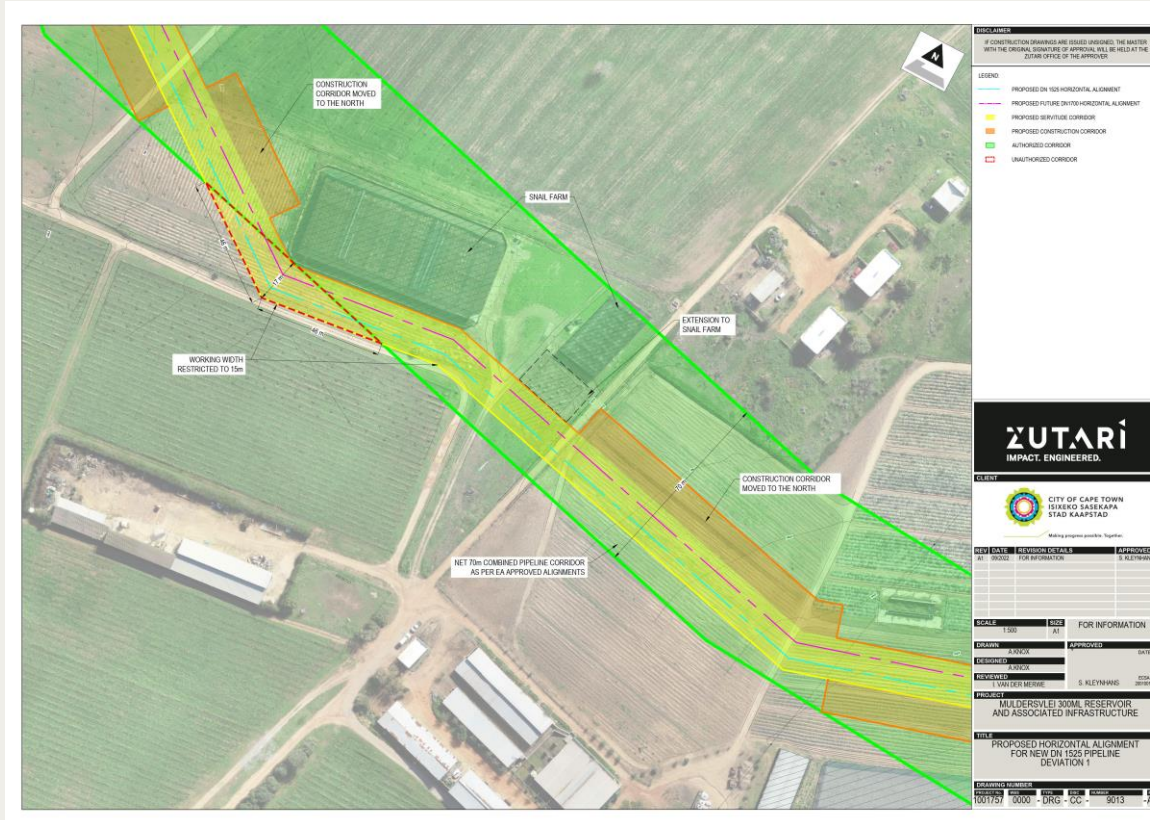
- Incoming Pipeline
- Access Road
- Relocation of Wynland Pipeline



Incoming Pipeline

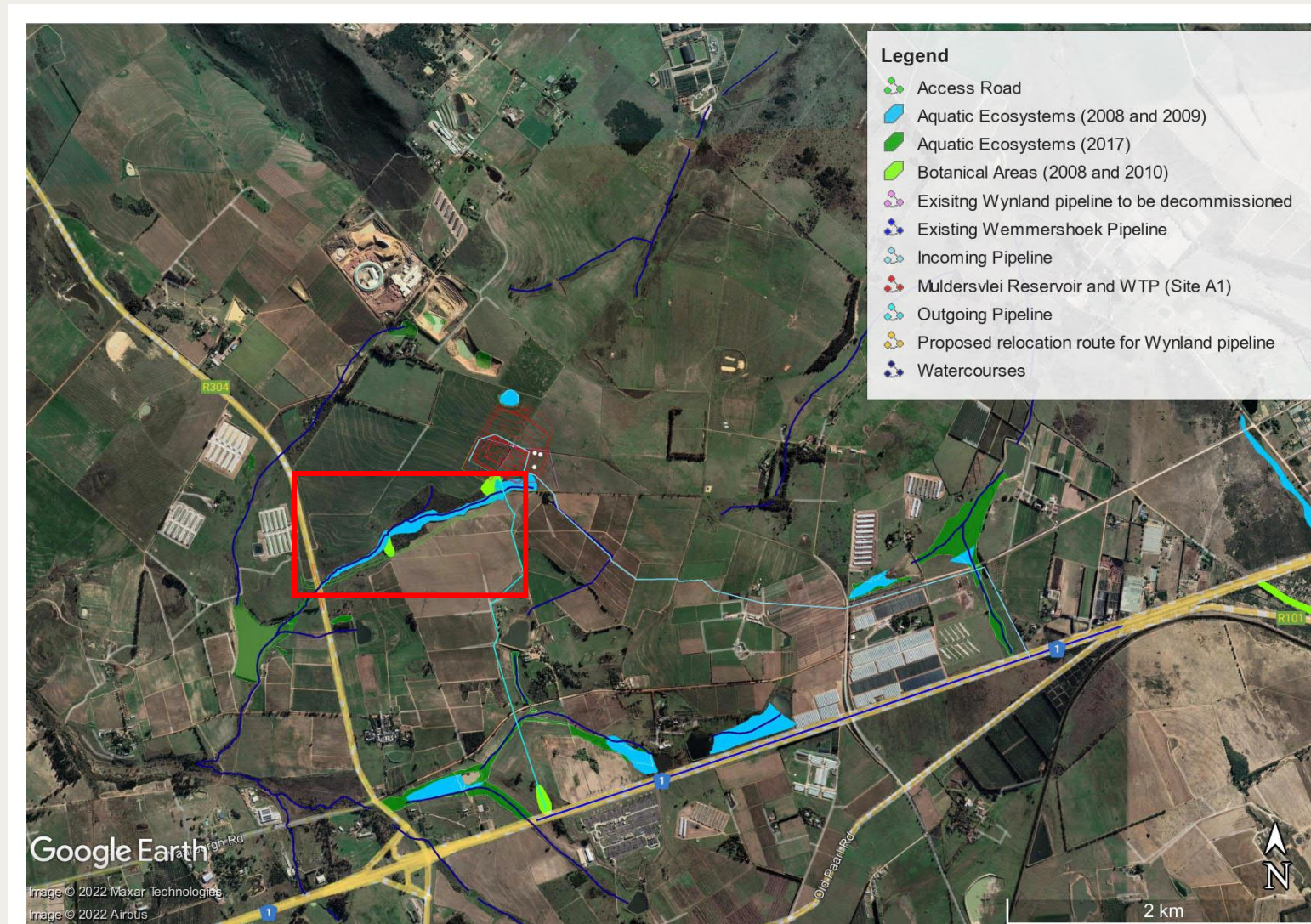


Incoming Pipeline

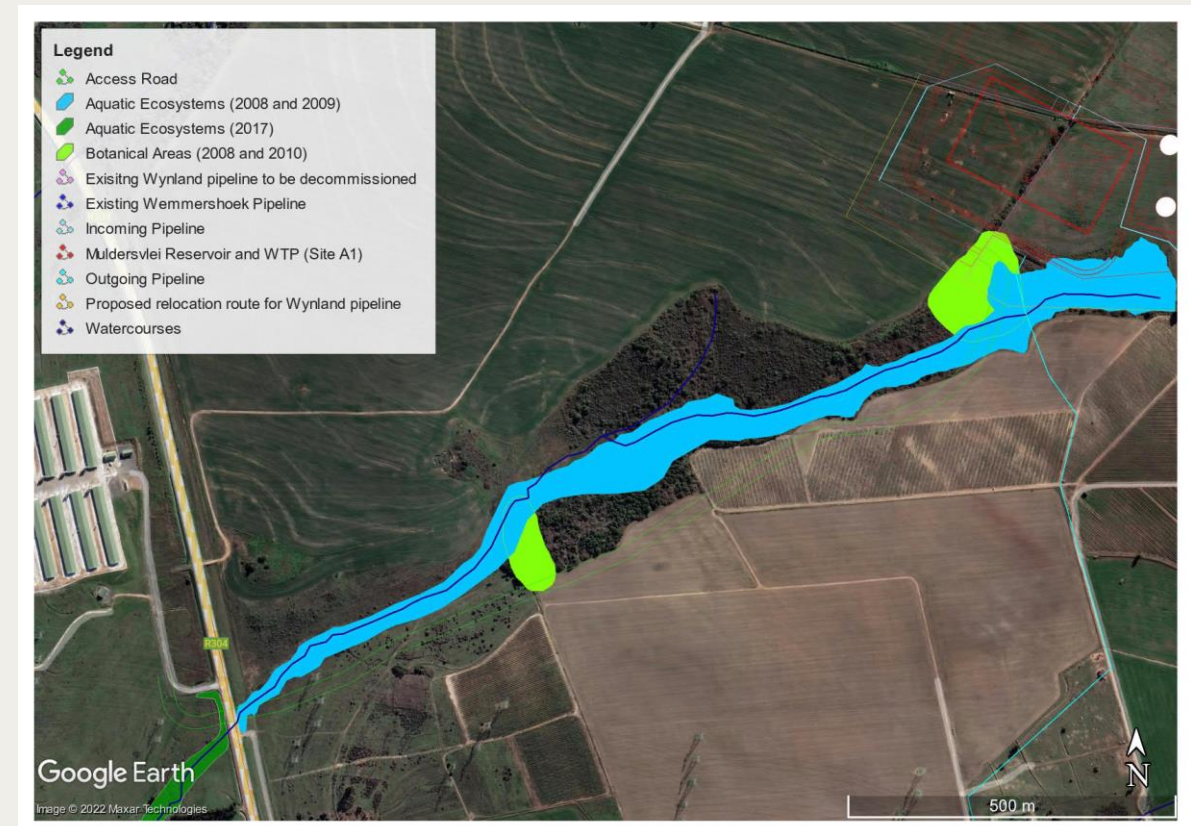
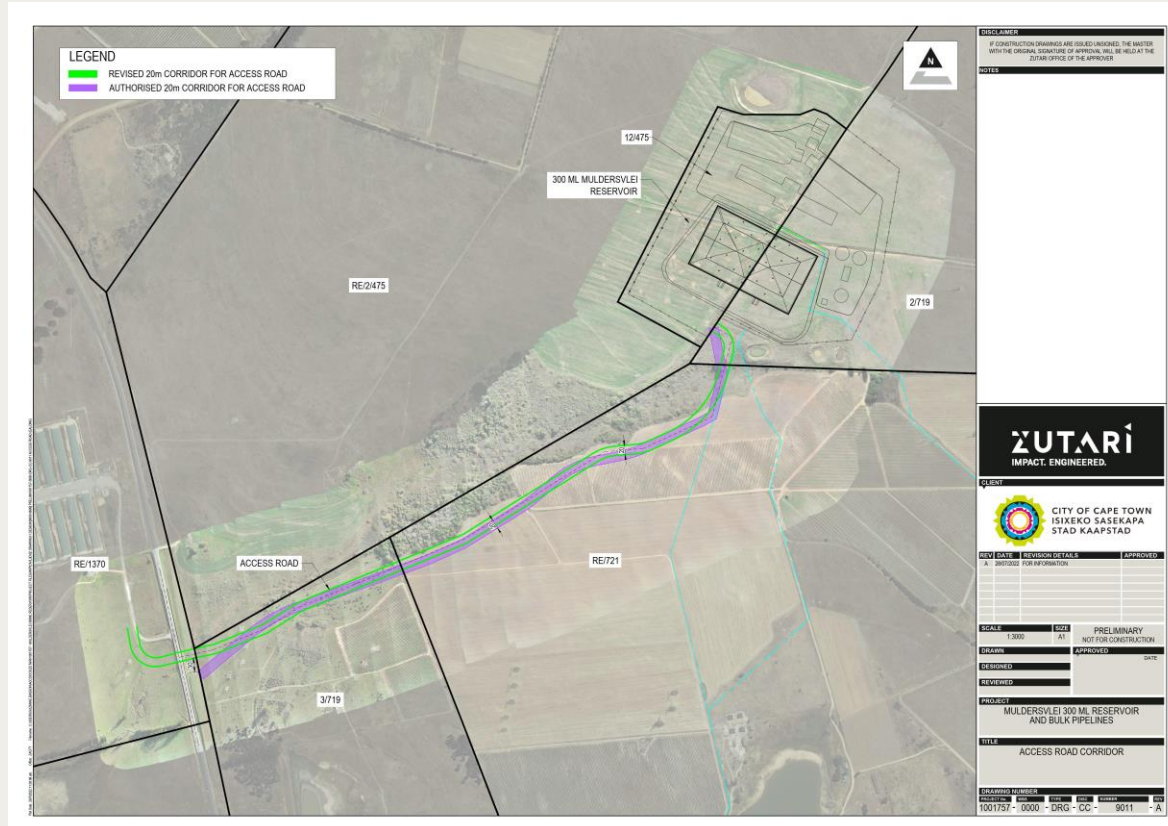


Minor Amendments

- Incoming Pipeline
- **Access Road**
- Relocation of Wynland Pipeline

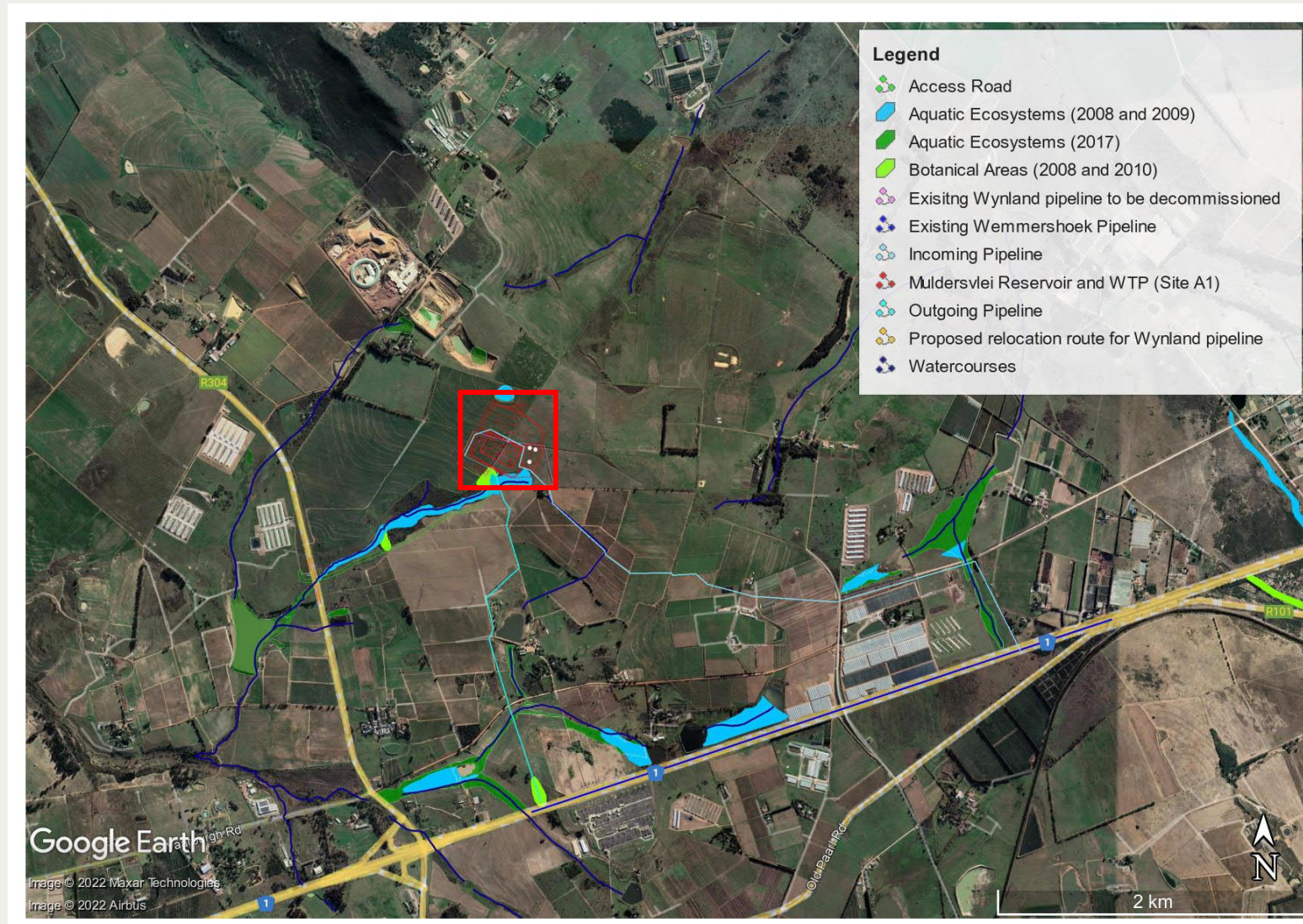


Access Road

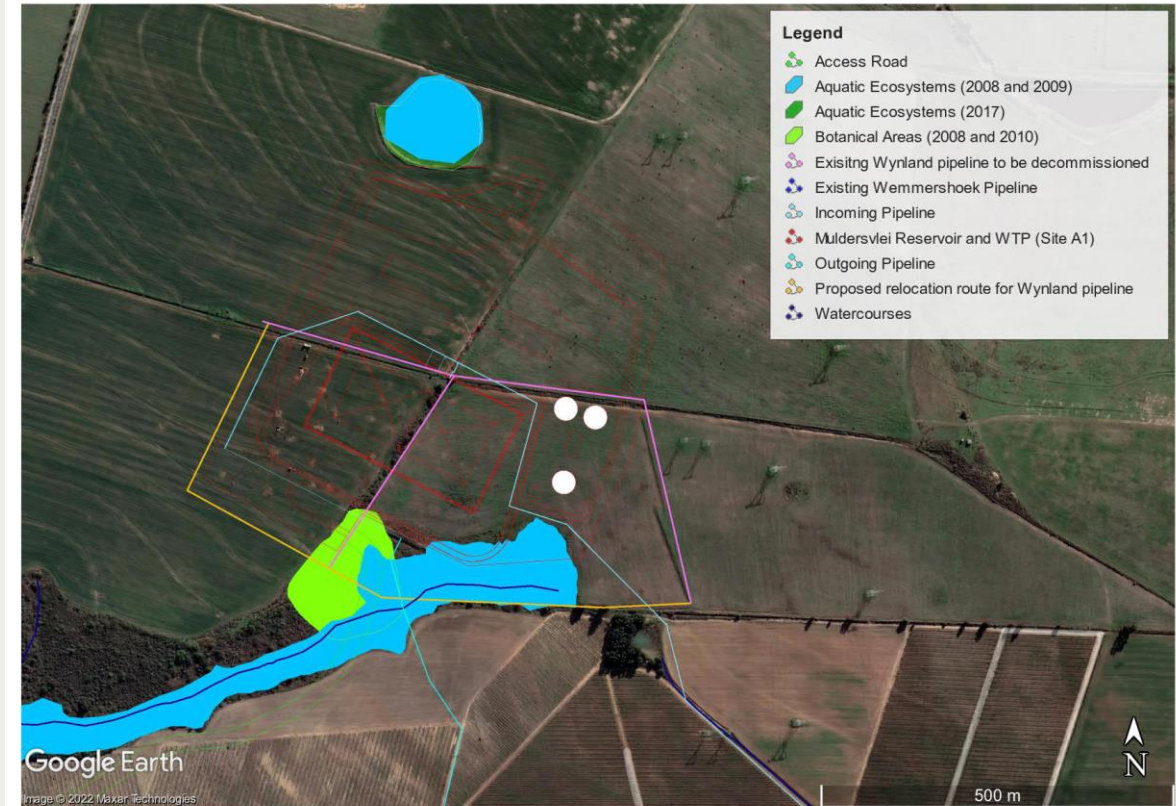
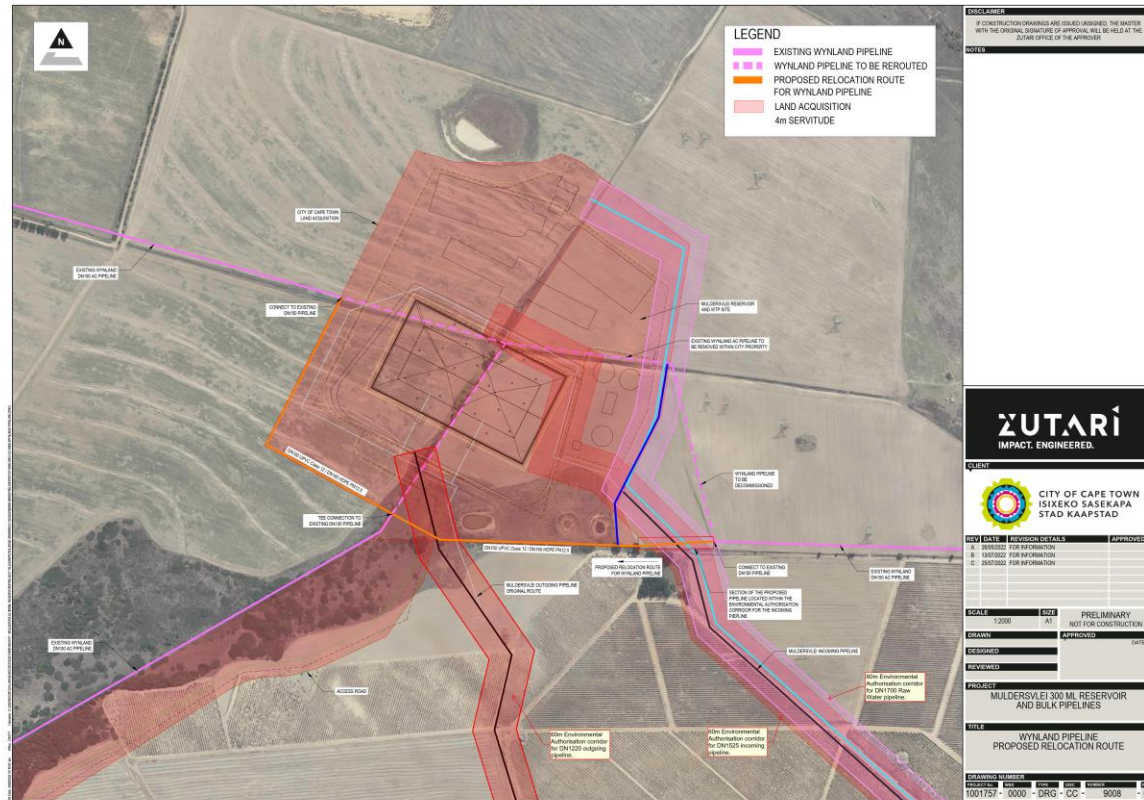


Minor Amendments

- Incoming Pipeline
- Access Road
- Relocation of Wynland Pipeline



Relocation of Wynland Pipeline



The image features a dark gray background with several large, light gray outlined triangles of various sizes and orientations. In the bottom left corner, the ZUTARI logo is displayed in white. The logo consists of the word 'ZUTARI' in a bold, sans-serif font, with a small triangle integrated into the letter 'A'. Below the brand name, the tagline 'IMPACT. ENGINEERED.' is written in a smaller, all-caps, sans-serif font.

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