



Umdoni South Water Pipeline
WC 1, WC 2 & WC 3
Projection: Hartebeesthoek94_Lo31_(E-N)
Client: Ensync Engineers
Date: 04/03/2024
Project No: EVP1621

- Legend**
- | | | | |
|-----------------------|------------------------------|---------------------------------|--|
| Reticulation Pipeline | 10m Buffer Working Servitude | Aquatic Resources (TBC, 2024) | Drainage Areas & Micro-estuaries (TBC, 2024) |
| Bulk Pipeline | 500m Buffer | Riparian (TBC, 2024) | 20m Drainage Line Buffer (TBC, 2024) |
| Reservoirs | Rivers | 30m Riparian Buffer (TBC, 2024) | |



Watercourse	Latitude	Longitude
WC4	30°22'28.41"S	30°39'57.87"E
WC5	30°22'35.53"S	30°39'44.41"E
WC6	30°22'41.78"S	30°39'39.59"E



Umdoni South Water Pipeline	
WC 4, WC 5, & WC 6	
Projection: Hartebeesthoek94_Lo31_(E-N)	
Client: Ensync Engineers	
Date: 10/04/2024	Prepared By: Kris Sexton
Project No: EVP1621	Drawing No: Umdoni/07

- Legend

Reticulation Pipeline

Bulk Pipeline

Reservoirs

10m Buffer Working Servitude

500m Buffer

Rivers

Aquatic Resources (TBC, 2024)

Riparian (TBC, 2024)

30m Riparian Buffer (TBC, 2024)

Drainage Areas & Micro-estuaries (TBC, 2024)

20m Drainage Line Buffer (TBC, 2024)



Watercourse	Latitude	Longitude
WC7	30°22'44.86"S	30°22'44.86"E
WC8	30°22'50.34"S	30°39'13.60"E
WC9	30°22'55.45"S	30°39'22.47"E
WC21	30°22'55.97"S	30°39'52.98"E
WC22	30°23'5.27"S	30°39'49.28"E
WC23	30°23'12.03"S	30°39'39.91"E



Umdoni South Water Pipeline

WC 7, WC 8, WC 9, WC 21, WC 22 & WC 23

Projection: Hartebeesthoek94_Lo31_(E-N)

Client: Ensync Engineers

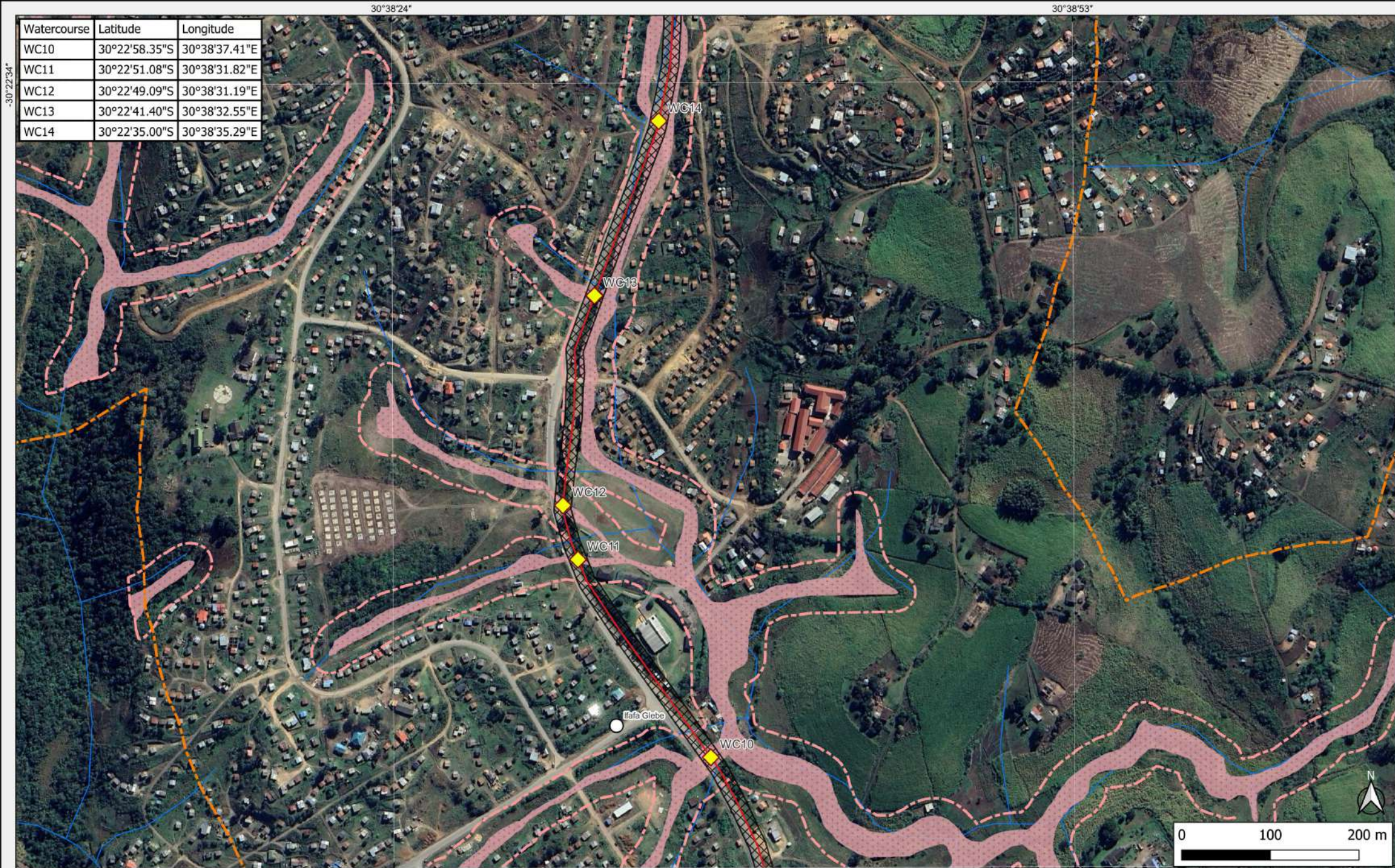
Date: 10/04/2024 Prepared By: Kris Sexton

Project No: EVP1621 Drawing No: Umdoni/08

Legend

- Reticulation Pipeline
- Bulk Pipeline
- Reservoirs
- 10m Buffer Working Servitude
- 500m Buffer
- Rivers
- Aquatic Resources (TBC, 2024)
- Riparian (TBC, 2024)
- 30m Riparian Buffer (TBC, 2024)
- Drainage Areas & Micro-estuaries (TBC, 2024)
- 20m Drainage Line Buffer (TBC, 2024)





Umdoni South Water Pipeline

WC 10, WC 11, WC 12, WC 13 & WC 14

Projection: Hartebeesthoek94_Lo31_(E-N)

Client: Ensync Engineers

Date: 04/03/2024

Prepared By: Kris Sexton

Project No: EVP1621

Drawing No: Umdoni/09

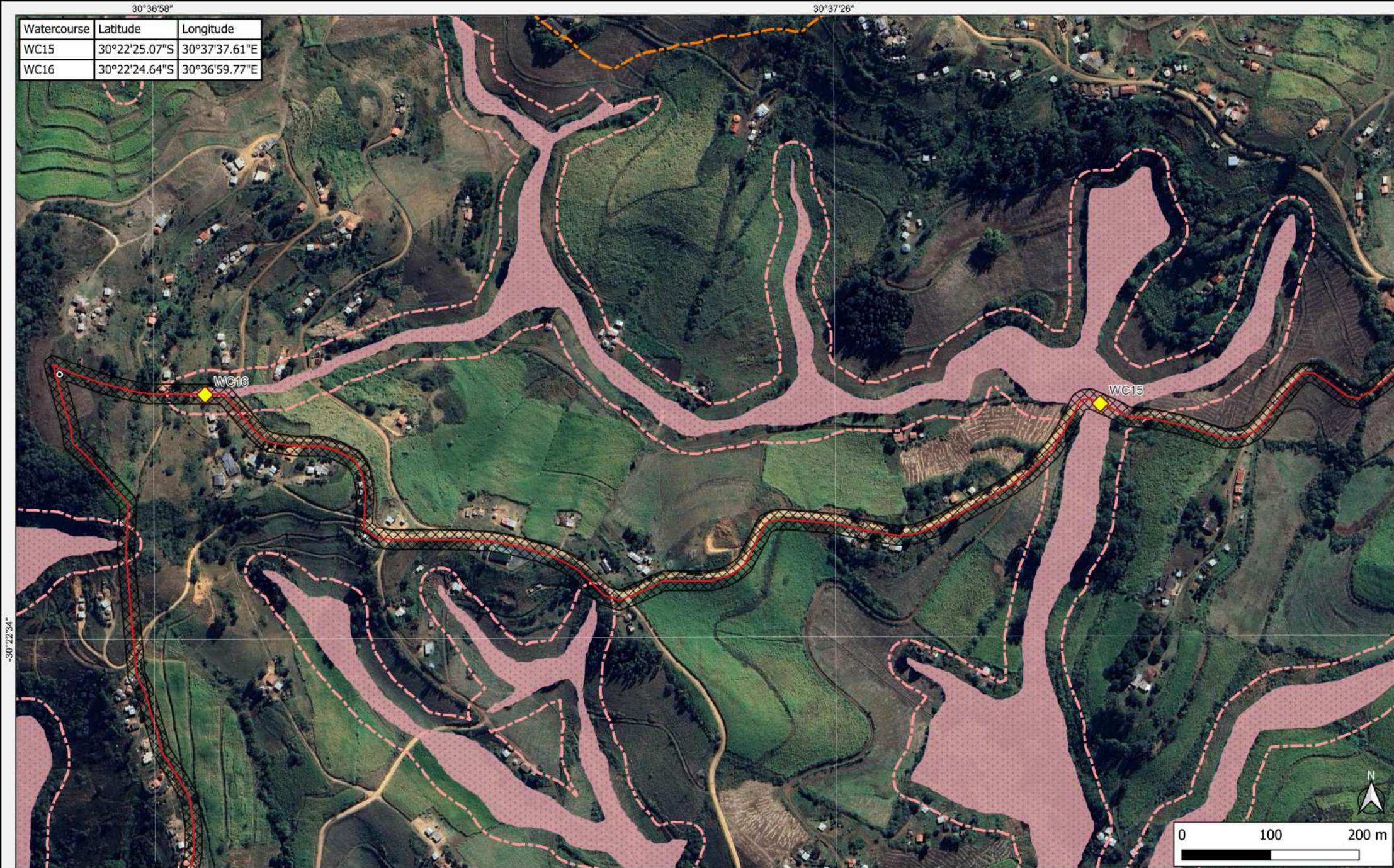
Legend

- | | | | |
|-----------------------|------------------------------|---------------------------------|--|
| Reticulation Pipeline | 10m Buffer Working Servitude | Aquatic Resources (TBC, 2024) | Drainage Areas & Micro-estuaries (TBC, 2024) |
| Bulk Pipeline | 500m Buffer | Riparian (TBC, 2024) | 20m Drainage Line Buffer (TBC, 2024) |
| Reservoirs | Rivers | 30m Riparian Buffer (TBC, 2024) | |

30°36'58"

30°37'26"

Watercourse	Latitude	Longitude
WC15	30°22'25.07"S	30°37'37.61"E
WC16	30°22'24.64"S	30°36'59.77"E

**Umdoni South Water Pipeline**

WC 15 & WC 16

Projection: Hartebeesthoek94_Lo31_(E-N)

Client: Ensync Engineers

Date: 04/03/2024

Prepared By: Kris Sexton

Project No: EVP1621

Drawing No: Umdoni/10

Legend

- Reticulation Pipeline
- Bulk Pipeline
- Reservoirs
- 10m Buffer Working Servitude
- 500m Buffer
- Aquatic Resources (TBC, 2024)
- Riparian (TBC, 2024)
- 30m Riparian Buffer (TBC, 2024)
- Drainage Areas & Micro-estuaries (TBC, 2024)
- 20m Drainage Line Buffer (TBC, 2024)

Watercourse	Latitude	Longitude
WC17	30°22'51.15"S	30°36'53.61"E
WC18	30°22'57.43"S	30°36'52.37"E
WC19	30°23'8.38"S	30°37'3.44"E



Umdoni South Water Pipeline

WC 17, WC 18 & WC 19

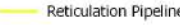
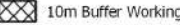
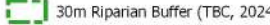
Projection: Hartebeesthoek94_Lo31_(E-N)

Client: Ensync Engineers

Date: 04/03/2024 Prepared By: Kris Sexton

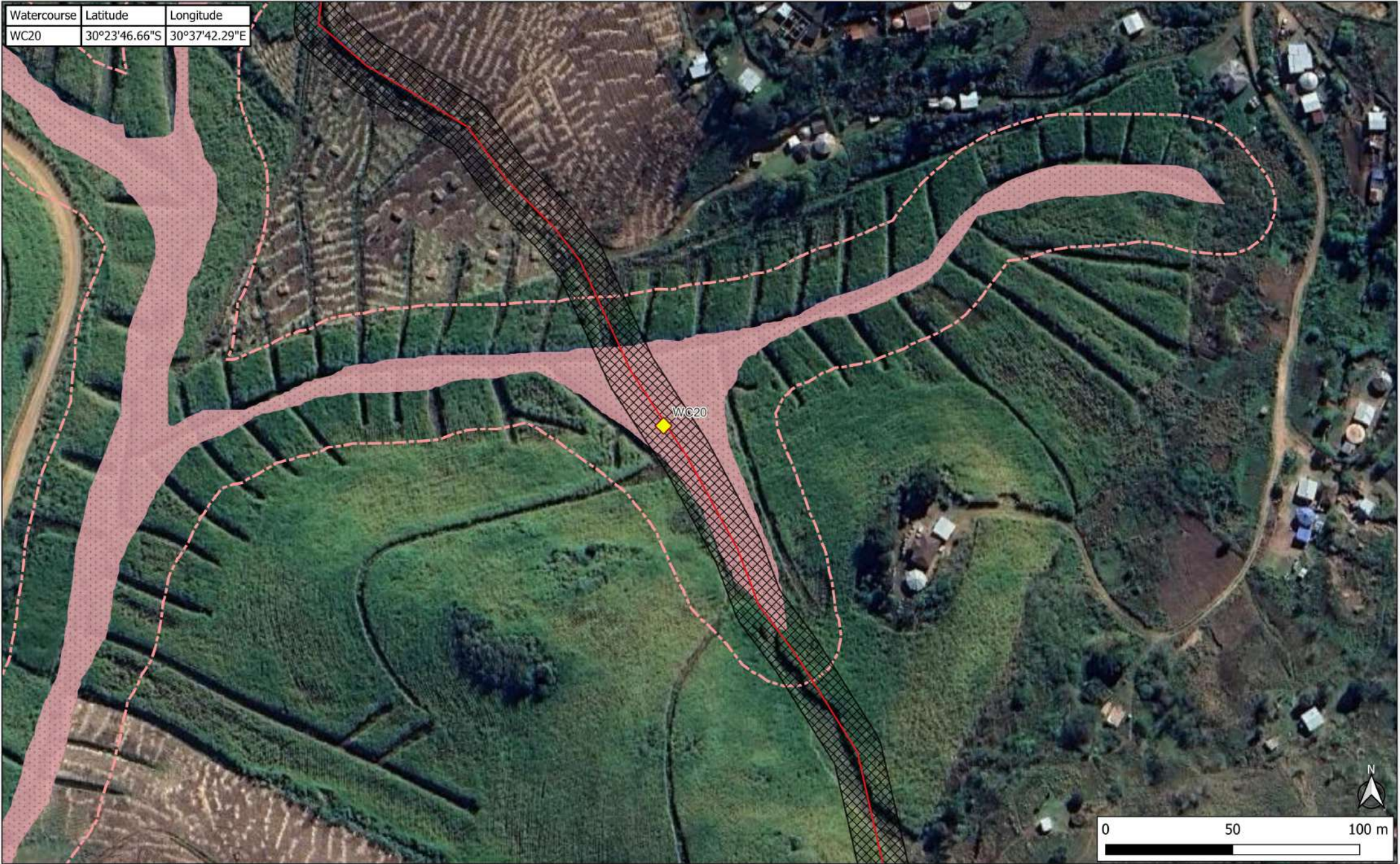
Project No: EVP1621 Drawing No: Umdoni/11

Legend

-  Reticulation Pipeline
-  Bulk Pipeline
-  Reservoirs
-  10m Buffer Working Servitude
-  500m Buffer
-  Aquatic Resources (TBC, 2024)
-  Riparian (TBC, 2024)
-  30m Riparian Buffer (TBC, 2024)
-  Drainage Areas & Micro-estuaries (TBC, 2024)
-  20m Drainage Line Buffer (TBC, 2024)



Watercourse	Latitude	Longitude
WC20	30°23'46.66"S	30°37'42.29"E



Umdoni South Water Pipeline

WC 20	
Projection: Hartebeesthoek94_Lo31_(E-N)	
Client: Ensync Engineers	
Date: 04/03/2024	Prepared By: Kris Sexton
Project No: EVP1621	Drawing No: Umdoni/12

Legend			
	Reticulation Pipeline	 500m Buffer	 Drainage Areas & Micro-estuaries (TBC, 2024)
	Bulk Pipeline	 Aquatic Resources (TBC, 2024)	 20m Drainage Line Buffer (TBC, 2024)
	Reservoirs	 Riparian (TBC, 2024)	
	10m Buffer Working Servitude	 30m Riparian Buffer (TBC, 2024)	

IN ASSOCIATION WITH

Watercourse	Latitude	Longitude
WC24	30°23'26.13"S	30°39'27.22"E
WC25	30°23'27.64"S	30°39'23.02"E



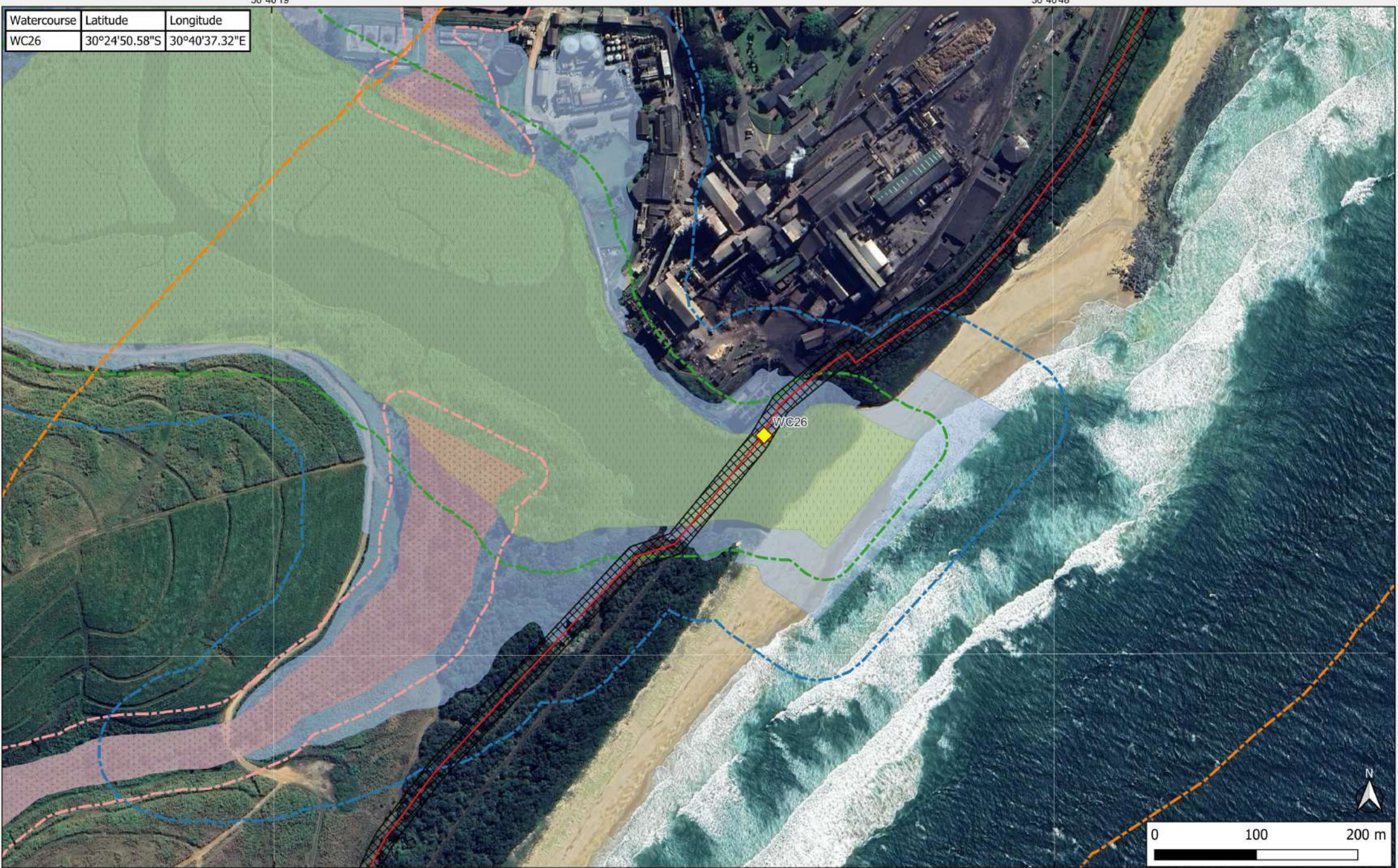
Umdoni South Water Pipeline

WC 24 & WC 25	
Projection: Hartebeesthoek94_Lo31_(E-N)	
Client: Ensync Engineers	
Date: 04/03/2024	Prepared By: Kris Sexton
Project No: EVP1621	Drawing No: Umdoni/13

Legend					
	Reticulation Pipeline		500m Buffer		Drainage Areas & Micro-estuaries (TBC, 2024)
	Bulk Pipeline		Aquatic Resources (TBC, 2024)		20m Drainage Line Buffer (TBC, 2024)
	Reservoirs		Riparian (TBC, 2024)		
	10m Buffer Working Servitude		30m Riparian Buffer (TBC, 2024)		



Watercourse	Latitude	Longitude
WC26	30°24'50.58"S	30°40'37.32"E



Umdoni South Water Pipeline	
WC 26	
Projection: Hartebeesthoek94_Lo31_(E-N)	
Client: Ensinc Engineers	
Date: 04/03/2024	Prepared By: Kris Sexton
Project No: EVP1621	Drawing No: Umdoni/14

Legend

Reticulation Pipeline
Bulk Pipeline
Reservoirs

10m Buffer Working Servitude
500m Buffer
Aquatic Resources (TBC, 2024)

Riparian (TBC, 2024)
30m Riparian Buffer (TBC, 2024)
Drainage Areas & Micro-estuaries (TBC, 2024)

20m Drainage Line Buffer (TBC, 2024)
60m EFZ Buffer (TBC, 2024)





Umdoni South Water Pipeline

WC 27

Projection: Hartebeesthoek94_Lo31_(E-N)

Client: Ensync Engineers

Date: 04/03/2024

Prepared By: Kris Sexton

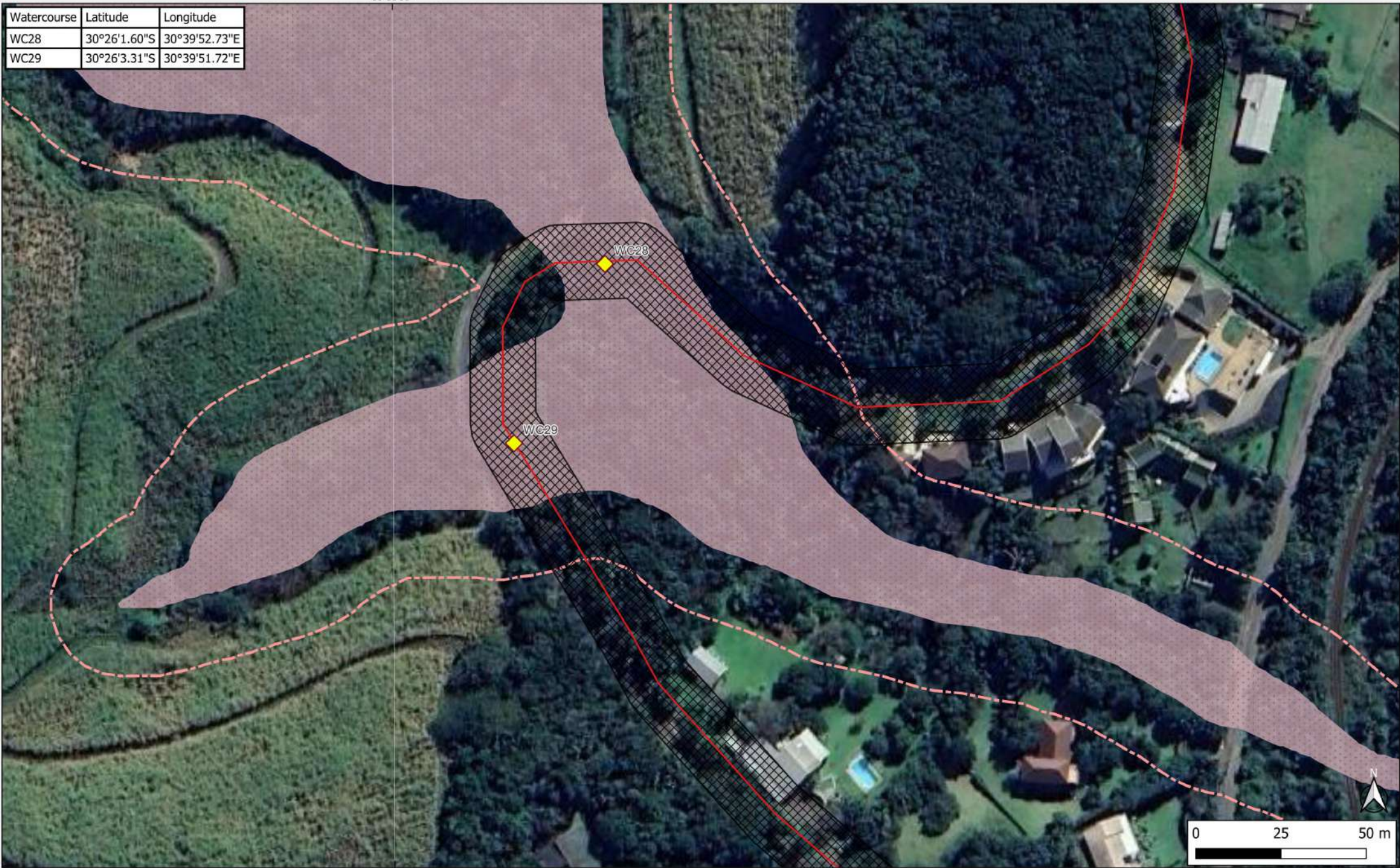
Project No: EVP1621

Drawing No: Umdoni/15

Legend

- Reticulation Pipeline
- Bulk Pipeline
- Reservoirs
- 10m Buffer Working Servitude
- 500m Buffer
- Aquatic Resources (TBC, 2024)
- Riparian (TBC, 2024)
- 30m Riparian Buffer (TBC, 2024)
- Drainage Areas & Micro-estuaries (TBC, 2024)
- 20m Drainage Line Buffer (TBC, 2024)
- 60m EFZ Buffer (TBC, 2024)

Watercourse	Latitude	Longitude
WC28	30°26'1.60"S	30°39'52.73"E
WC29	30°26'3.31"S	30°39'51.72"E



Umdoni South Water Pipeline

WC 28 & WC 29

Projection: Hartebeesthoek94_Lo31_(E-N)

Client: Ensync Engineers

Date: 04/03/2024

Prepared By: Kris Sexton

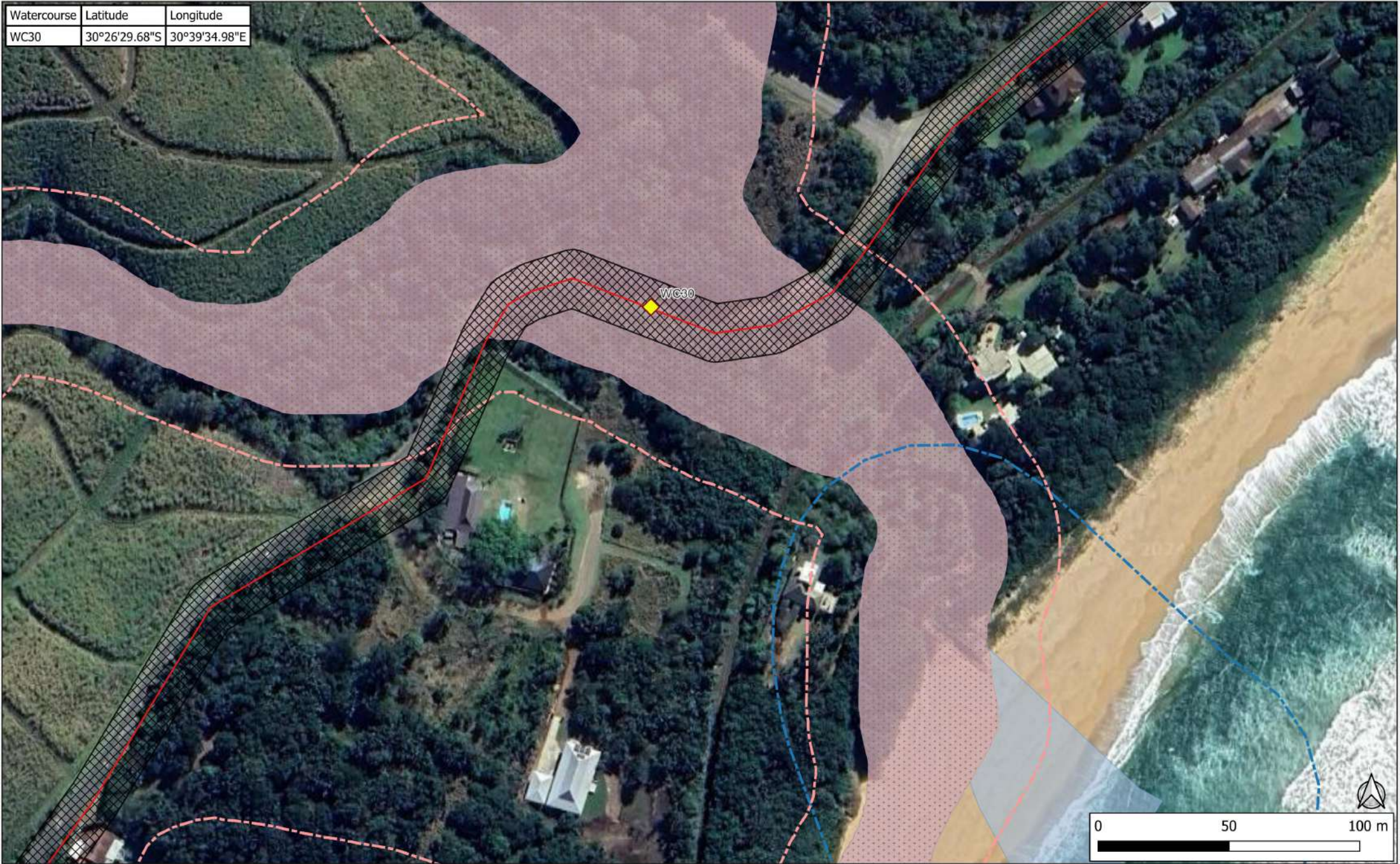
Project No: EVP1621

Drawing No: Umdoni/16

Legend

- Reticulation Pipeline
- Bulk Pipeline
- Reservoirs
- 10m Buffer Working Servitude
- 500m Buffer
- Aquatic Resources (TBC, 2024)
- Riparian (TBC, 2024)
- 30m Riparian Buffer (TBC, 2024)
- Drainage Areas & Micro-estuaries (TBC, 2024)
- 20m Drainage Line Buffer (TBC, 2024)
- 60m EFZ Buffer (TBC, 2024)

Watercourse	Latitude	Longitude
WC30	30°26'29.68"S	30°39'34.98"E



Umdoni South Water Pipeline

WC 30	
Projection: Hartebeesthoek94_Lo31_(E-N)	
Client: Ensync Engineers	
Date: 04/03/2024	Prepared By: Kris Sexton
Project No: EVP1621	Drawing No: Umdoni/17

Legend

- Reticulation Pipeline
- Bulk Pipeline
- Reservoirs
-  10m Buffer Working Servitude
-  500m Buffer
-  Aquatic Resources (TBC, 2024)
-  Riparian (TBC, 2024)
-  30m Riparian Buffer (TBC, 2024)
-  Drainage Areas & Micro-estuaries (TBC, 2024)
-  20m Drainage Line Buffer (TBC, 2024)
-  60m EFZ Buffer (TBC, 2024)



ENVIROPRO

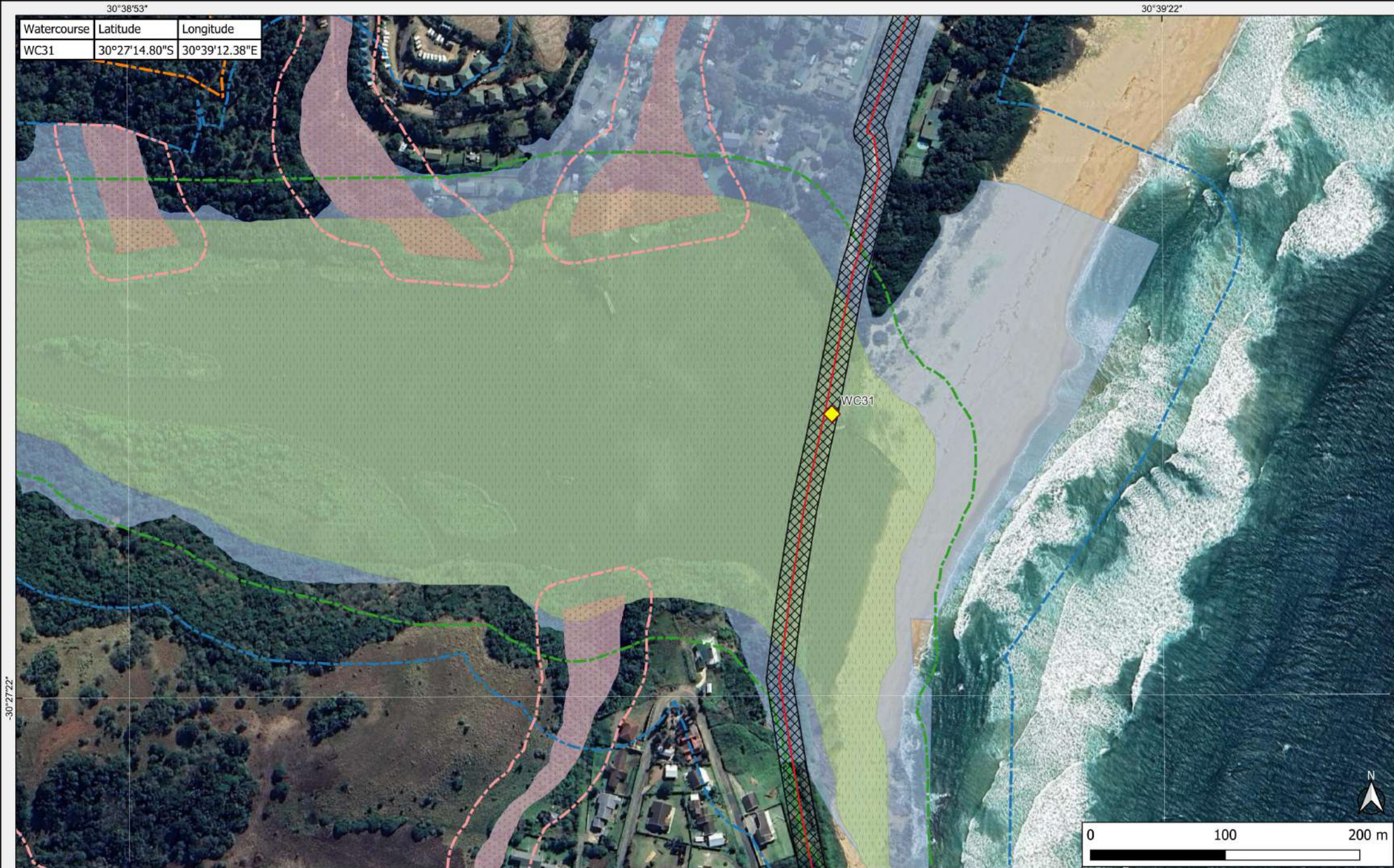
IN ASSOCIATION WITH


30°38'53"

30°39'22"

Watercourse	Latitude	Longitude
WC31	30°27'14.80"S	30°39'12.38"E

-30°27'22"



0 100 200 m



Umdoni South Water Pipeline

WC 31

Projection: Hartebeesthoek94_Lo31_(E-N)

Client: Ensync Engineers

Date: 04/03/2024

Prepared By: Kris Sexton

Project No: EVP1621

Drawing No: Umdoni/18

Legend

- | | | | |
|-----------------------|-------------------------------|--|--------------------------------------|
| Reticulation Pipeline | 10m Buffer Working Servitude | Riparian (TBC, 2024) | 20m Drainage Line Buffer (TBC, 2024) |
| Bulk Pipeline | 500m Buffer | 30m Riparian Buffer (TBC, 2024) | 60m EFZ Buffer (TBC, 2024) |
| Reservoirs | Aquatic Resources (TBC, 2024) | Drainage Areas & Micro-estuaries (TBC, 2024) | |



30°38'53"

Watercourse	Latitude	Longitude
WC32	30°27'36.01"S	30°39'8.08"E
WC34	30°27'46.86"S	30°39'4.70"E



Umdoni South Water Pipeline

WC 32 & WC 34

Projection: Hartebeesthoek94_Lo31_(E-N)

Client: Ensync Engineers

Date: 04/03/2024

Prepared By: Kris Sexton

Project No: EVP1621

Drawing No: Umdoni/19

Legend

- | | | | |
|-----------------------|-------------------------------|--|--------------------------------------|
| Reticulation Pipeline | 10m Buffer Working Servitude | Riparian (TBC, 2024) | 20m Drainage Line Buffer (TBC, 2024) |
| Bulk Pipeline | 500m Buffer | 30m Riparian Buffer (TBC, 2024) | 60m EFZ Buffer (TBC, 2024) |
| Reservoirs | Aquatic Resources (TBC, 2024) | Drainage Areas & Micro-estuaries (TBC, 2024) | |

Watercourse	Latitude	Longitude
WC33	30°27'23.79"S	30°38'41.17"E



Umdoni South Water Pipeline

WC 33	
Projection: Hartebeesthoek94_Lo31_(E-N)	
Client: Ensync Engineers	
Date: 04/03/2024	Prepared By: Kris Sexton
Project No: EVP1621	Drawing No: Umdoni/20

Legend

- Reticulation Pipeline
- Bulk Pipeline
- Reservoirs
- 10m Buffer Working Servitude
- 500m Buffer
- Aquatic Resources (TBC, 2024)
- Riparian (TBC, 2024)
- 30m Riparian Buffer (TBC, 2024)
- Drainage Areas & Micro-estuaries (TBC, 2024)
- 20m Drainage Line Buffer (TBC, 2024)
- 60m EFZ Buffer (TBC, 2024)



Watercourse	Latitude	Longitude
WC35	30°28'8.03"S	30°38'49.61"E



Umdoni South Water Pipeline	
WC 35	
Projection: Hartebeesthoek94_Lo31_(E-N)	
Client: Ensync Engineers	
Date: 04/03/2024	Prepared By: Kris Sexton
Project No: EVP1621	Drawing No: Umdoni/21

Legend			
— Reticulation Pipeline	10m Buffer Working Servitude	— Riparian (TBC, 2024)	— 20m Drainage Line Buffer (TBC, 2024)
— Bulk Pipeline	500m Buffer	— 30m Riparian Buffer (TBC, 2024)	— 60m EFZ Buffer (TBC, 2024)
• Reservoirs	— Aquatic Resources (TBC, 2024)	— Drainage Areas & Micro-estuaries (TBC, 2024)	





Watercourse	Latitude	Longitude
WC36	30°28'25.75"S	30°38'29.08"E

Umdoni South Water Pipeline

WC 36	
Projection: Hartebeesthoek94_Lo31_(E-N)	
Client: Ensync Engineers	
Date: 04/03/2024	Prepared By: Kris Sexton
Project No: EVP1621	Drawing No: Umdoni/22

Legend

- | | | | |
|-----------------------|-------------------------------|--|--------------------------------------|
| Reticulation Pipeline | 10m Buffer Working Servitude | Riparian (TBC, 2024) | 20m Drainage Line Buffer (TBC, 2024) |
| Bulk Pipeline | 500m Buffer | 30m Riparian Buffer (TBC, 2024) | 60m EFZ Buffer (TBC, 2024) |
| Reservoirs | Aquatic Resources (TBC, 2024) | Drainage Areas & Micro-estuaries (TBC, 2024) | |

