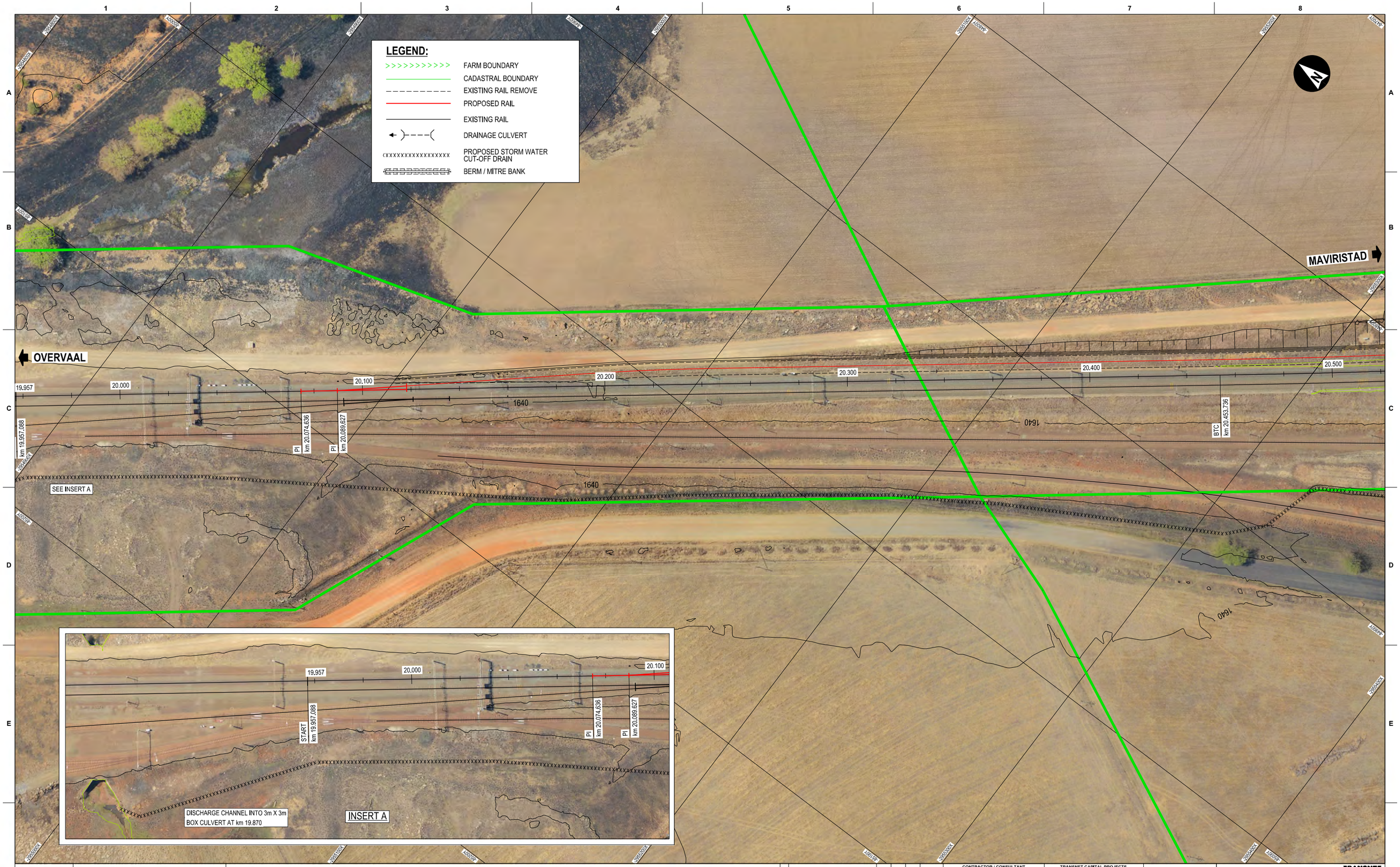

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				DESIGNED	C HOUGH		
				CHECKED	S J v.d. MERWE		

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Pr. Eng. / Pr.Tech. Eng.

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DATE
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REG. NUMBER
SCALE: 1:500 A0

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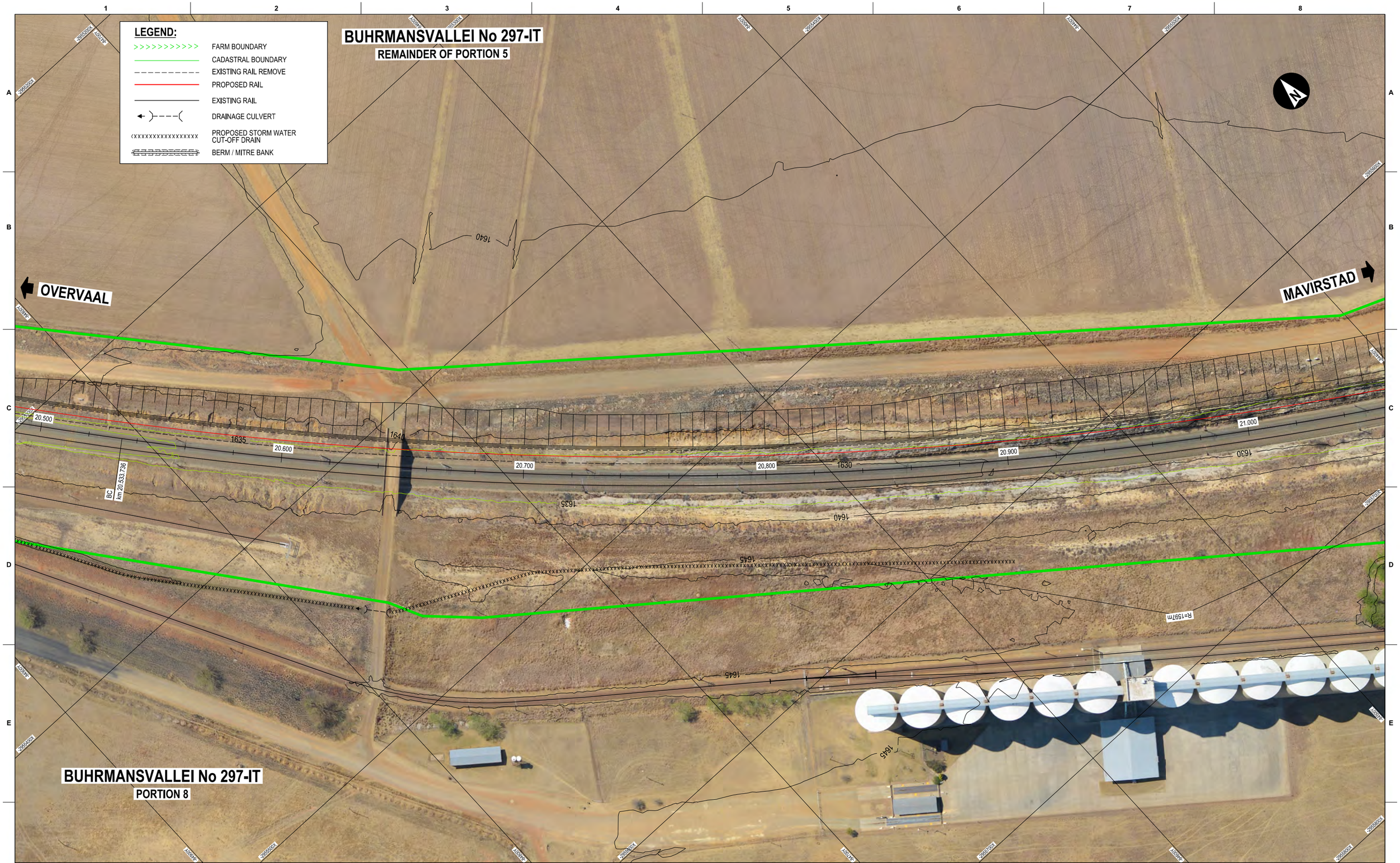
TEL: 011 833 3008
FAX: 011 833 3099

FEL-3 FEASIBILITY DEVELOPMENT IN RESPECT OF THE CONSTRUCTION OF A SECOND OVERVAAL TUNNEL (PART 1)

PROJECT FOOTPRINT LAYOUT
km 20.000 TO 20.500

PROJECT NUMBER	ODI	FBS	DBS	TYPE	DRAWING NO.	SHEET	REV	ID
3 4 2 5 0 8 9 - 4	-	0 1	- N	- D E	- 0 0 1 1	- 0 1	- 0	A



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CHECKED	S J v.d. MERWE		

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FEL-3 FEASIBILITY DEVELOPMENT IN RESPECT OF THE CONSTRUCTION OF A SECOND OVERVAAL TUNNEL (PART 1)

PROJECT FOOTPRINT LAYOUT
km 20.500 TO km 21.000

PROJECT NUMBER	OD	FBS	DBS	TYPE	DRAWING NO.	SHEET	REV	ID
3 4 2 5 0 8 9	-	0 1	- N	- D E	- 0 0 1 1	0 2	0 A	

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FEL-3 FEASIBILITY DEVELOPMENT IN RESPECT OF THE CONSTRUCTION OF A SECOND OVERVAAL TUNNEL (PART 1)

PROJECT FOOTPRINT LAYOUT
km 21.000 TO km 21.500

PROJECT NUMBER	OD	FBS	DB	TYPE	DRAWING NO.	SHEET	REV	ID
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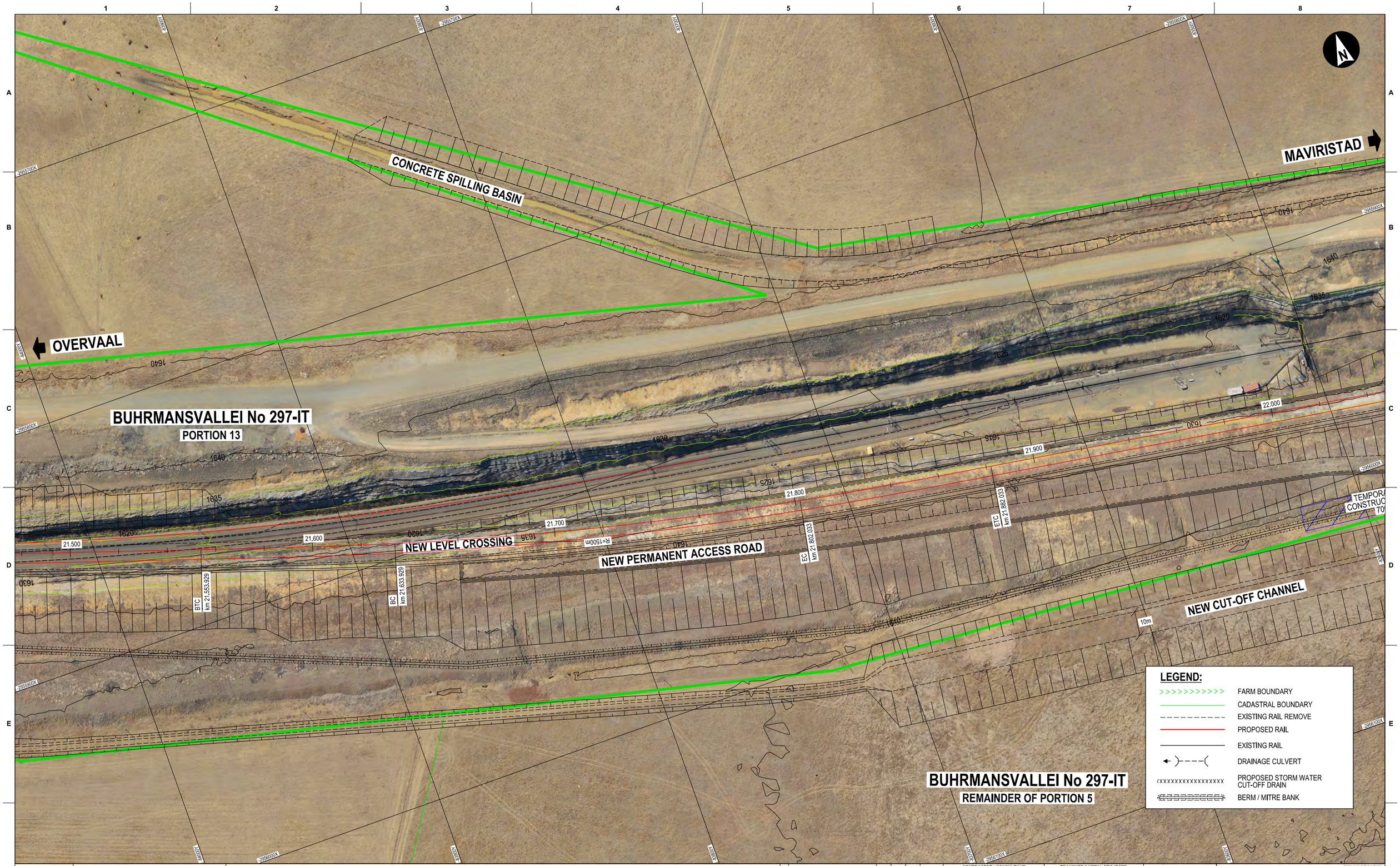

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				DESIGNED	C HOUGH		
				CHECKED	S J v.d. MERWE		

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SIGNATURE		
REG. NUMBER		
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FAX: 011 803 3909
P.O. BOX 1046, JOHANNESBURG, 2000

FEL-3 FEASIBILITY DEVELOPMENT IN RESPECT OF THE CONSTRUCTION OF A SECOND OVERVAAL TUNNEL (PART 1)

PROJECT FOOTPRINT LAYOUT
km 21.500 TO km 22.000

PROJECT NUMBER	ODI	FBS	DBS	TYPE	DRAWING NO.	SHEET	REV	ID
3 4 2 5 0 8 9 -		0 1 -	N -	D E -	0 0 1 1 -	0 4 -	0 A	

BUHRMANSVALLEI No 297-IT

REMAINDER OF PORTION 5

N

OVERVAAL

MAVIRISTAD

1640

1620

1635

22.000

22,100

22,200

22,300

22,400

22,500

NEW PERMANENT ACCESS ROAD

NEW CUT-OFF CHANNEL

10m

TEMPORARY TBM CONSTRUCTION AREA 700m²

TEMPORARY TBM CONSTRUCTION AREA 3 600m²

TEMPORARY DRIL AND BLAST CONSTRUCTION AREA 14 000m²

-2955600X

-2956100X

-2956200X

-3300X

-3305X

-3310X

-3315X

-3320X

LEGEND:

- FARM BOUNDARY
- CADASTRAL BOUNDARY
- EXISTING RAIL REMOVE
- PROPOSED RAIL
- EXISTING RAIL
- DRAINAGE CULVERT
- PROPOSED STORM WATER CUT-OFF DRAIN
- BERM / MITRE BANK

BUHRMANSVALLEI No 297-IT

REMAINDER OF PORTION 5

DRAWING NO.	REFERENCE
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				CHECKED	S J v.d. MERWE		
				DESIGNED	C HOUGH		
				CHECKED	S J v.d. MERWE		

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Pr. Eng. / Pr.Tech. Eng.

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SCALE : A0

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FEL-3 FEASIBILITY DEVELOPMENT IN RESPECT OF THE CONSTRUCTION OF A SECOND OVERVAAL TUNNEL (PART 1)

PROJECT FOOTPRINT LAYOUT
km 22.000 TO km 22.500

PROJECT NUMBER	ODI	FBS	DBS	TYPE	DRAWING NO.	SHEET	REV	ID
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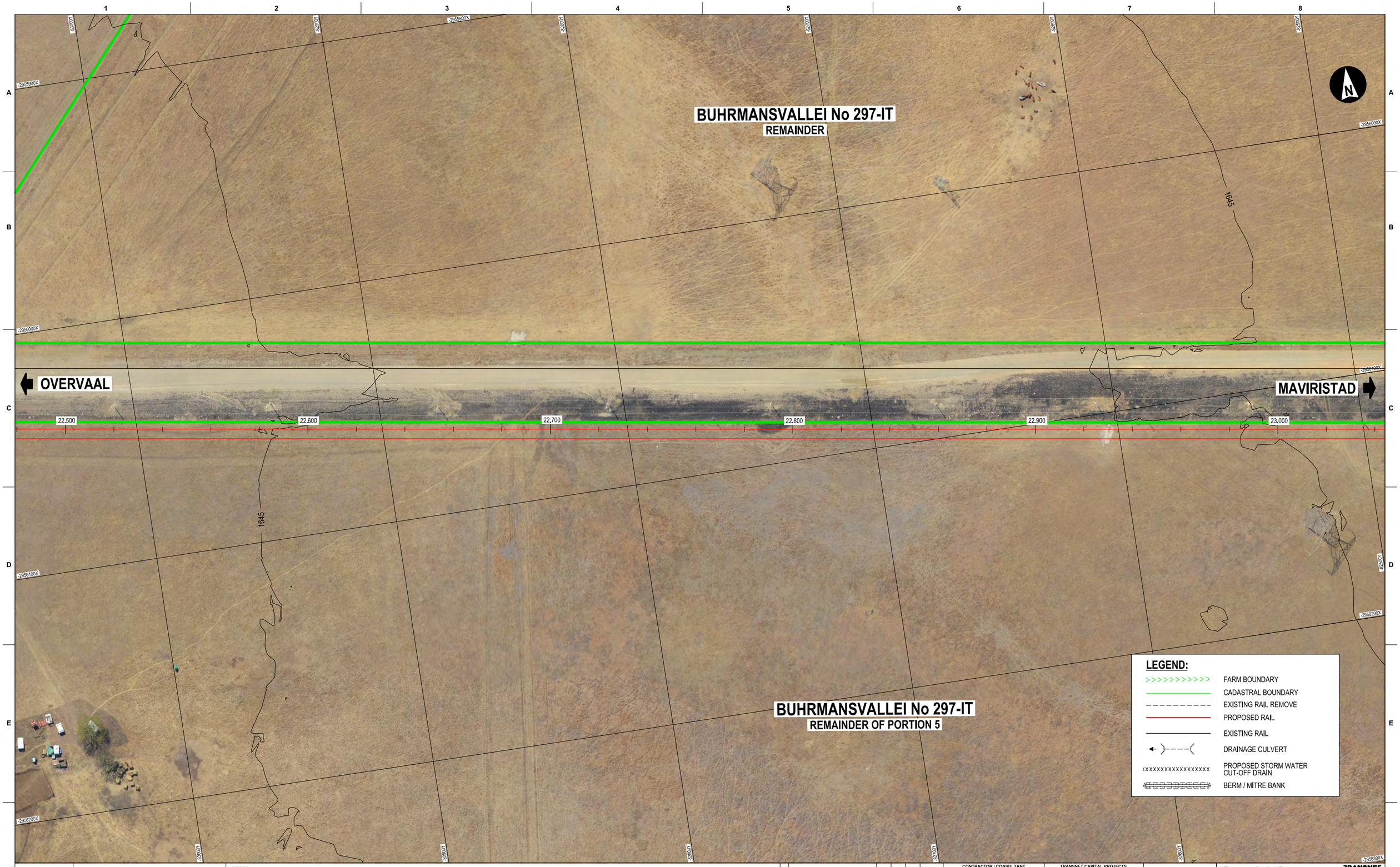

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				CHECKED	S J v.d. MERWE		

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SIGNATURE
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FEL-3 FEASIBILITY DEVELOPMENT IN RESPECT OF THE CONSTRUCTION OF A SECOND OVERVAAL TUNNEL (PART 1)

PROJECT FOOTPRINT LAYOUT
km 22.500 TO km 23.000

PROJECT NUMBER	ODI	FBS	DBS	TYPE	DRAWING NO.	SHEET	REV	ID
3 4 2 5 0 8 9 - 4	-	0 1	- N -	D E	- 0 0 1 1	- 0 6	- 0	A

DRAWING NO.	REFERENCE
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FEL-3 FEASIBILITY DEVELOPMENT IN RESPECT OF THE CONSTRUCTION OF A SECOND OVERVAAL TUNNEL (PART 1)

PROJECT FOOTPRINT LAYOUT km 23.000 TO km 23.500

PROJECT NUMBER	OD	FBS	OB	TYPE	DRAWING NO.	SHEET	REV	ID
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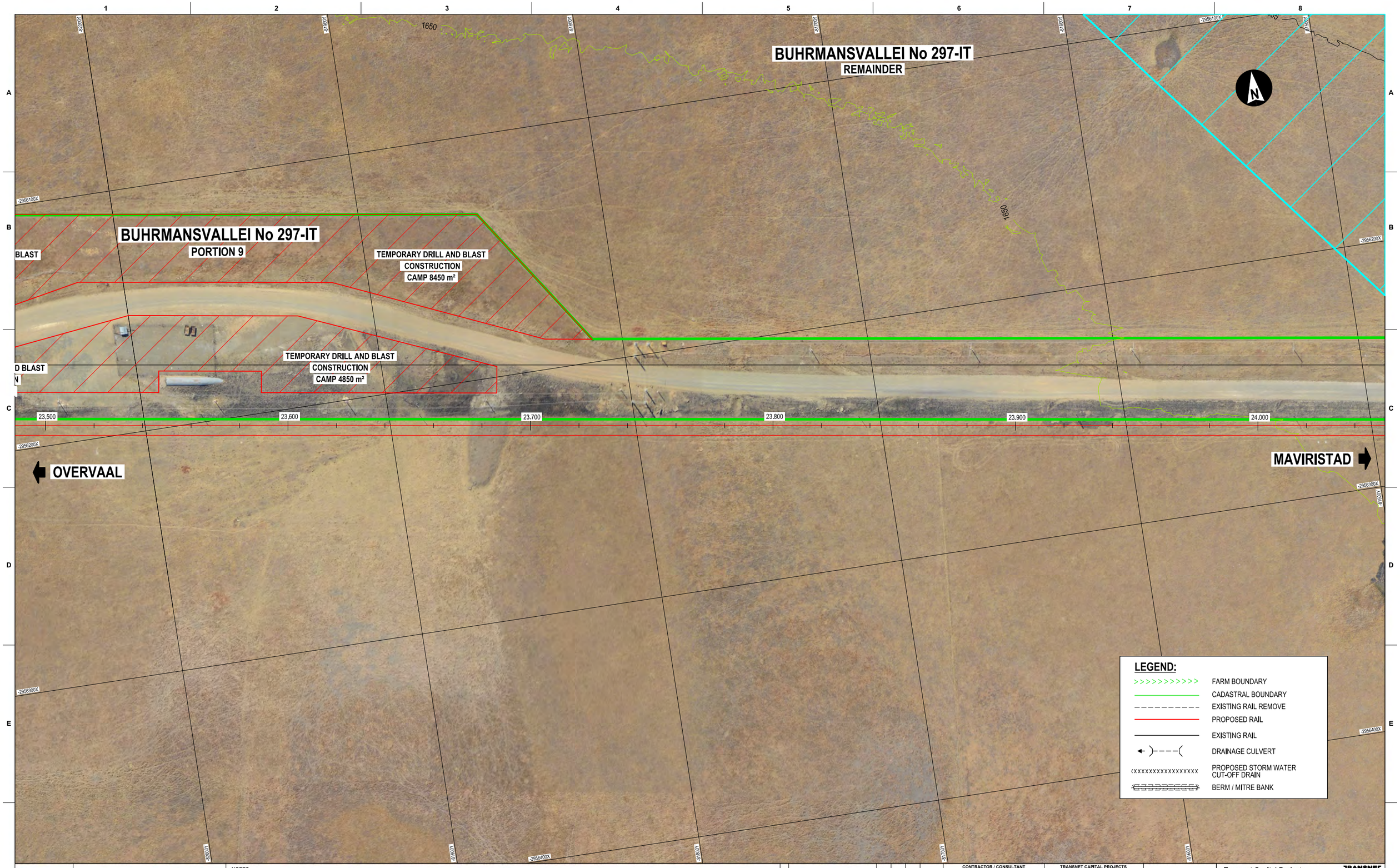

LEGEND:

- FARM BOUNDARY
- CADASTRAL BOUNDARY
- EXISTING RAIL REMOVE
- PROPOSED RAIL
- EXISTING RAIL
- DRAINAGE CULVERT
- PROPOSED STORM WATER CUT-OFF DRAIN
- BERM / MITRE BANK

DRAWING NO.	REFERENCE

REFERENCE DRAWINGS

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				CHECKED	S J v.d. MERWE		

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FEL-3 FEASIBILITY DEVELOPMENT IN RESPECT OF THE CONSTRUCTION OF A SECOND OVERVAAL TUNNEL (PART 1)

PROJECT FOOTPRINT LAYOUT
km 23,500 TO km 24,000

PROJECT NUMBER	OD	FBS	OBS	TYPE	DRAWING NO.	SHEET	REV	ID
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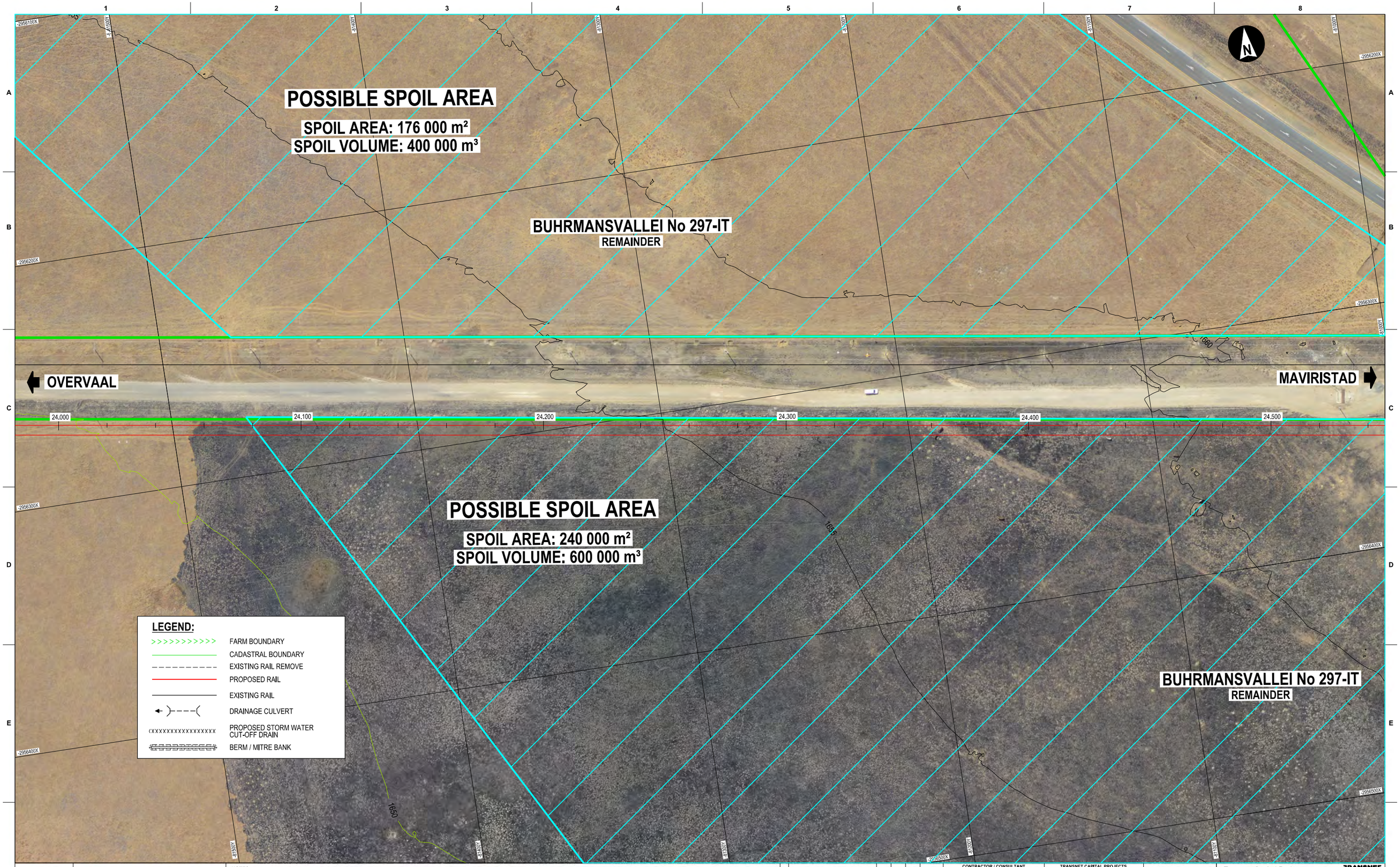

LEGEND:

- FARM BOUNDARY
- CADASTRAL BOUNDARY
- EXISTING RAIL REMOVE
- PROPOSED RAIL
- EXISTING RAIL
- DRAINAGE CULVERT
- PROPOSED STORM WATER CUT-OFF DRAIN
- BERM / MITRE BANK

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				DESIGNED	C HOUGH		
				CHECKED	S J v.d. MERWE		

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FEL-3 FEASIBILITY DEVELOPMENT IN RESPECT OF THE CONSTRUCTION OF A SECOND OVERVAAL TUNNEL (PART 1)

PROJECT FOOTPRINT LAYOUT
km 24.000 TO km 24.500

PROJECT NUMBER	ODI	FBS	DBS	TYPE	DRAWING NO.	SHEET	REV	ID
3 4 2 5 0 8 9	- 4 -	0 1	- N -	D E	- 0 0 1 1	- 0 9	- 0	A

BUHRMANSVALLEI No 297-IT
PORTION 2

TWYFELAAR No 298-IT
REMAINDER

PORTION 9

OVERVAAL

MAVIRISTAD

24.500 24.600 24.700 24.800 24.900 25.000

NEW TBM ACCESS ROAD

POSSIBLE SPOIL AREA

SPOIL AREA: 240 000 m²
SPOIL VOLUME: 600 000 m³

PORTION 2

TWYFELAAR No 298-IT
REMAINDER

No 297-IT

1665 1660

-3656700Y -3656600Y -3656500Y -2956300X -2956400X -2956500X -2956600X

LEGEND:

- FARM BOUNDARY
- CADASTRAL BOUNDARY
- EXISTING RAIL REMOVE
- PROPOSED RAIL
- EXISTING RAIL
- DRAINAGE CULVERT
- PROPOSED STORM WATER CUT-OFF DRAIN
- BERM / MITRE BANK

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				CHECKED	S J v.d. MERWE		

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FEL-3 FEASIBILITY DEVELOPMENT IN RESPECT OF THE CONSTRUCTION OF A SECOND OVERVAAL TUNNEL (PART 1)

PROJECT FOOTPRINT LAYOUT
km 24.500 TO km 25.000

PROJECT NUMBER	OD	FBS	DB	TYPE	DRAWING NO.	SHEET	REV	ID
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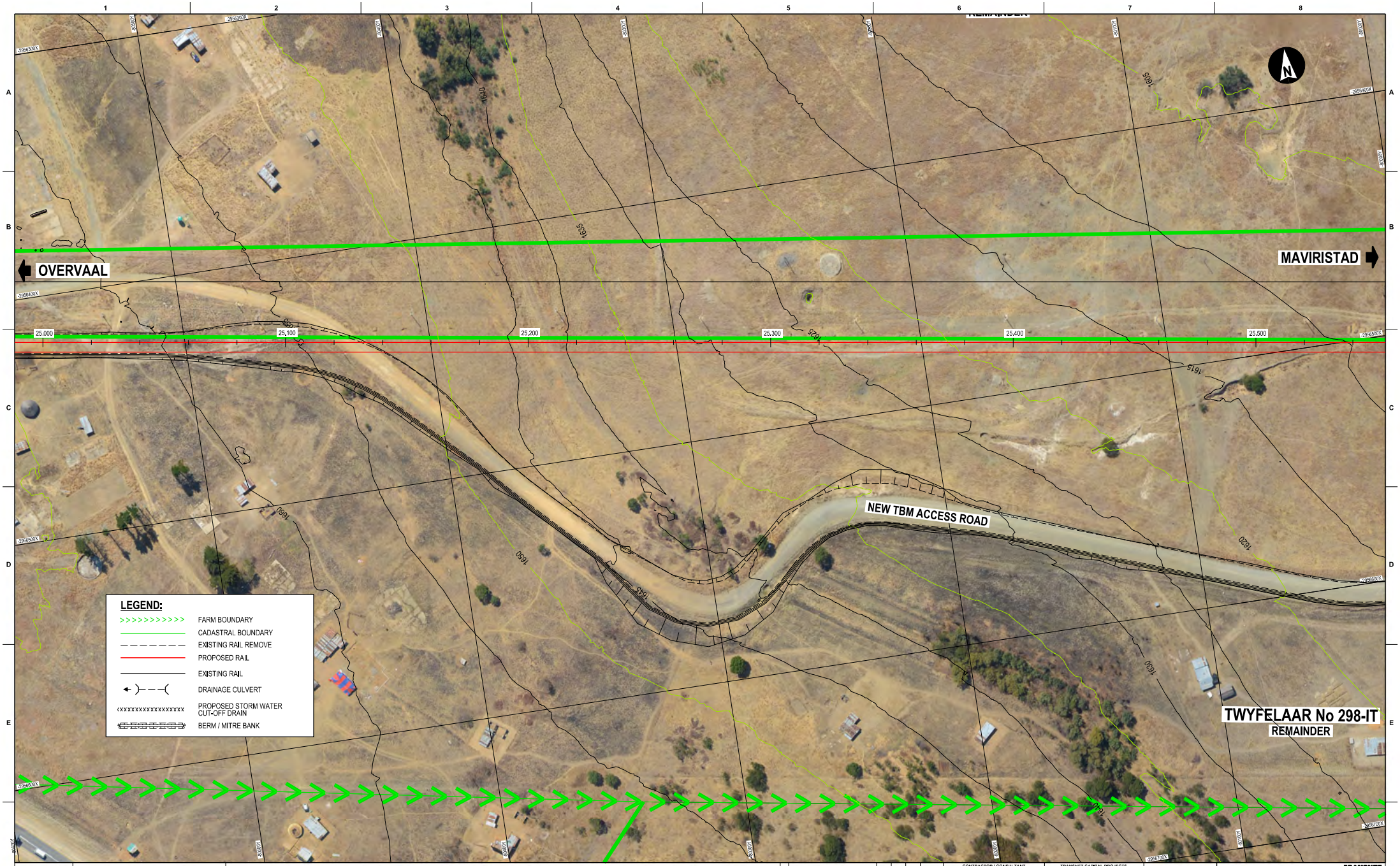

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				CHECKED	S.J.v/d. MERWE		
				DESIGNED	C.HOUGH		
				CHECKED	S.J.v/d. MERWE		

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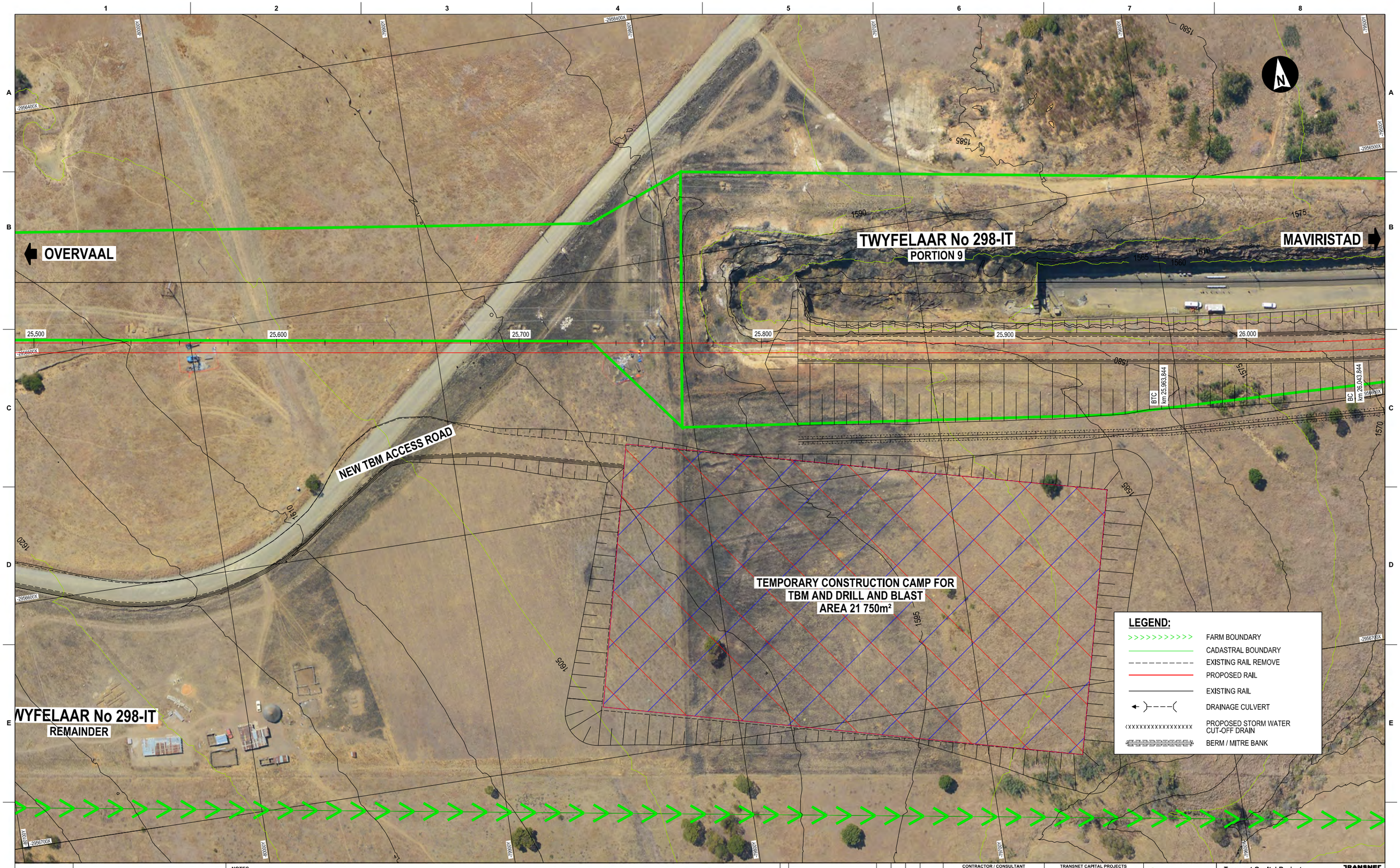
FEL-3 FEASIBILITY DEVELOPMENT IN RESPECT OF THE CONSTRUCTION OF A SECOND OVERVAAL TUNNEL (PART 1)

PROJECT FOOTPRINT LAYOUT
km 25.000 TO km 25.500

| PROJECT NUMBER | | | |



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				DESIGNED	C HOUGH		
				CHECKED	S J v.d. MERWE		

OPERATING DIVISIONS			
TITLE	NAME	SIGN	DATE

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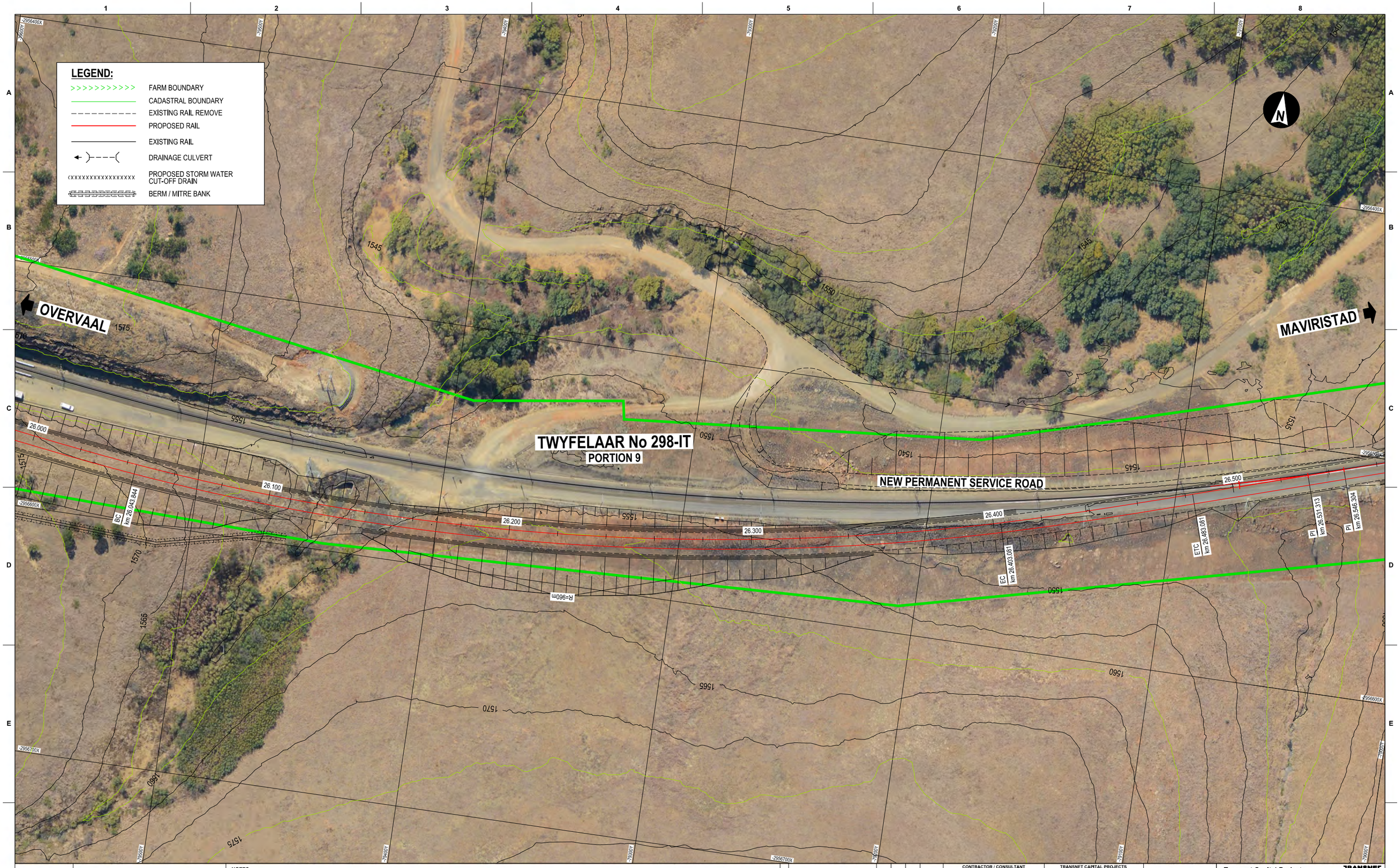
FEL-3 FEASIBILITY DEVELOPMENT IN RESPECT OF THE CONSTRUCTION OF A SECOND OVERVAAL TUNNEL (PART 1)

PROJECT FOOTPRINT LAYOUT
km 25,500 TO km 26.000

PROJECT NUMBER									OD		FBS				DRS	TYPE	DRAWING NO.			SHEET		REV	ID
3	4	2	5	0	8	9	-		0	1	N	-	D	E	-	0	0	1	1	1	2	0	A



DRAWING NO.	REFERENCE
REFERENCE DRAWINGS	

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NO.	DESCRIPTION	BY	CHKD	APPD	DATE
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FEL-3 FEASIBILITY DEVELOPMENT IN RESPECT OF THE CONSTRUCTION OF A SECOND OVERVAAL TUNNEL (PART 1)

PROJECT FOOTPRINT LAYOUT
km 26,000 TO km 26,500

PROJECT NUMBER								OD	FBS			OBS	TYPE	DRAWING NO.					SHEET		REV	ID
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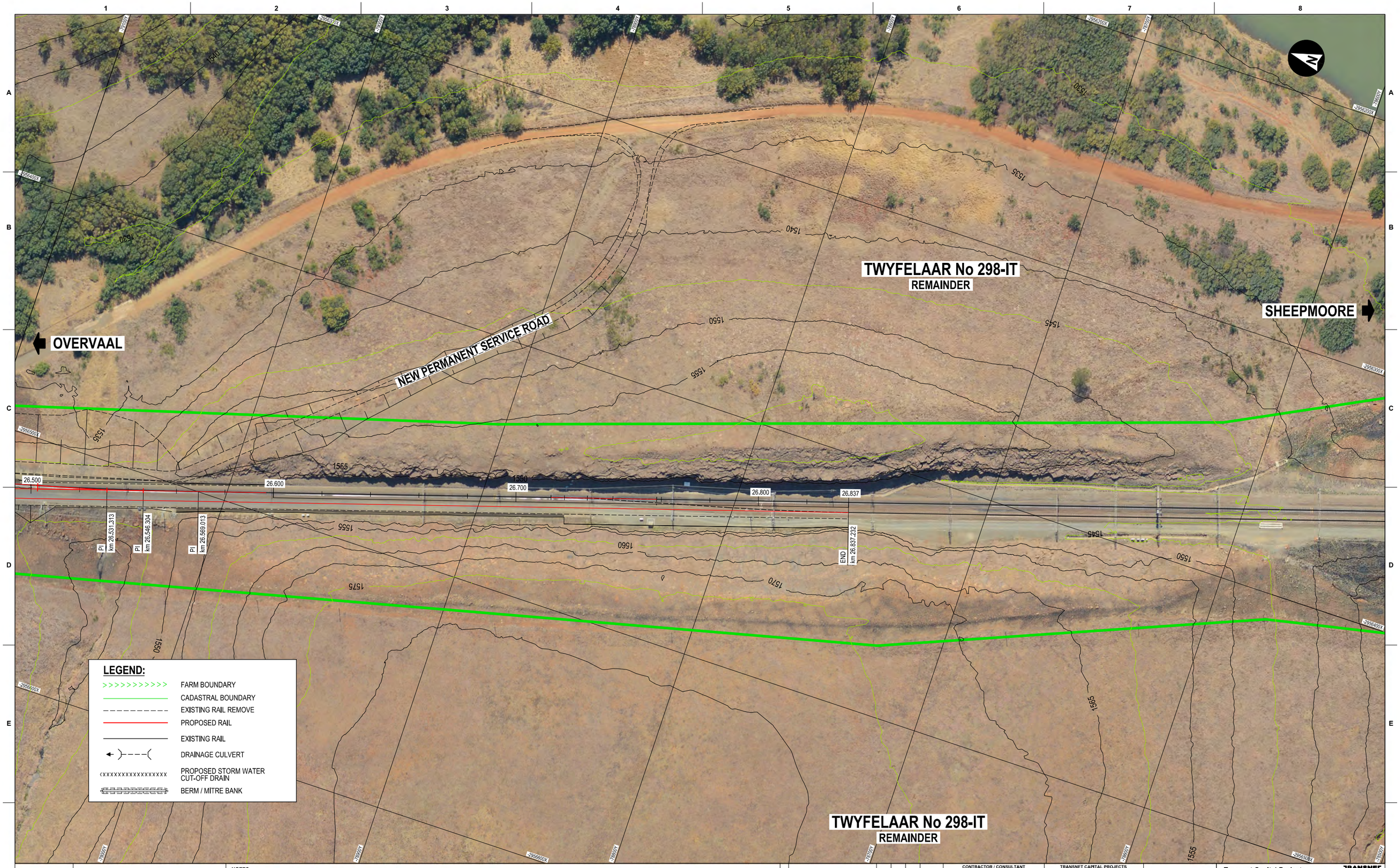

NOTES

DRAWING NO.	REFERENCE

REFERENCE DRAWINGS

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				CHECKED	S J v.d. MERWE		
				DESIGNED	C HOUGH		
				CHECKED	S J v.d. MERWE		

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NAME DATE

SIGNATURE

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FEL-3 FEASIBILITY DEVELOPMENT IN RESPECT OF THE CONSTRUCTION OF A SECOND OVERVAAL TUNNEL (PART 1)

PROJECT FOOTPRINT LAYOUT
km 26.500 TO km 26.837

PROJECT NUMBER	ODI	FBS	OBS	TYPE	DRAWING NO.	SHEET	REV	ID
3 4 2 5 0 8 9	4	0 1	N	D E	0 0 1 1	1 4	0 A	