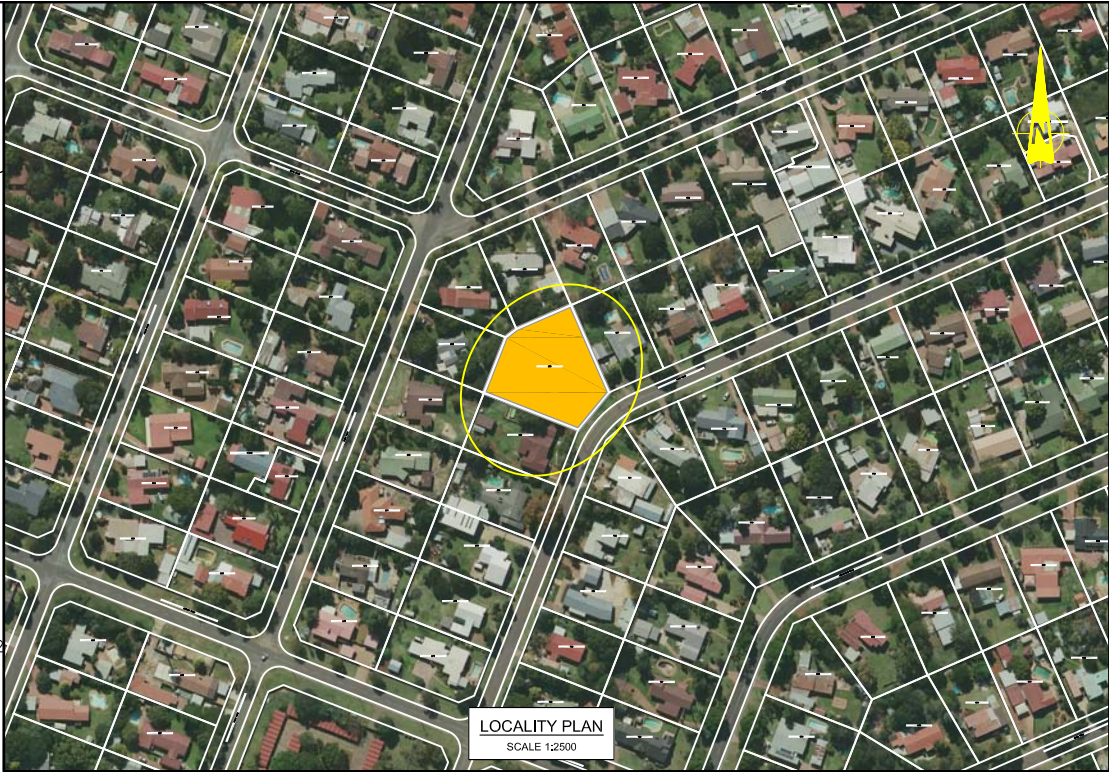




NOTES AND SPECIFICATIONS

GENERAL

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- 10 FINAL POSITION OF SERVICES TO BE DETERMINED ON SITE.

LEGEND:

- PROPOSED DEVELOPMENT BOUNDARY
- EXISTING ACCESS
- EXISTING ROAD
- PROPOSED ACCESS
- PROPOSED PAVED SIDEWALK
- PROPOSED FIGURE 10 KERB

AMENDMENTS				
NR.	DATE	APPROVED	DESCRIPTION	PAR.

DESIGNED
H. ROSSOUW

DRAWN
H. GREEN

DESIGN CHECKED BY
L. WENTZEL

INFRASTRUCTURE TECHNICAL INFORMATION
MANAGEMENT
S.H. AUDIE

DATE: 11/02/2025

DATE: 11/02/2025

PROJECT STATUS

☒ CONCEPT DRAWING

☐ TENDER DRAWING

☐ APPROVED FOR CONSTRUCTION DRAWING

☐ AS BUILT DRAWING

PROJECT ENGINEER (CONSULTANT)
L. WENTZEL
INITIALS AND SURNAME
950052
SIGNATURE AND P. No.
11/02/2025
DATE

PROJECT ENGINEER (CITY OF TSHWANE)
INITIALS AND SURNAME
SIGNATURE AND P. No.
DATE

STRUCTURAL ENGINEER (CITY OF TSHWANE)
INITIALS AND SURNAME
SIGNATURE AND P. No.
DATE

OFFICIAL REPRESENTATIVE (CITY OF TSHWANE)
INITIALS AND SURNAME
SIGNATURE AND P. No.
DATE

CONSULTANT DETAIL

CIVILCONSULT
Consulting Engineers

PO BOX 12445
HATFIELD
0028

Tel 012-343 6297/0845
Fax 012-343 8929
mail@civilconsult.co.za

CITY OF TSHWANE

ROADS AND TRANSPORT DEPARTMENT

GROUP HEAD
Mr. Letsohile P. (Pheko)

DIVISIONAL HEAD
Mr. Thagale M.K.P. (Mavem)

P.O. BOX 1409
PRETORIA
0001

P.O. BOX 1409
PRETORIA
0001

DRAWING APPROVED BY DIVISIONAL HEAD
Mr. Thagale M.K.P. (Mavem)

SIGNATURE: DATE:

LOCATION OF PROJECT:
ERF 285 VALHALLA

DESCRIPTION OF PROJECT:
**ROADS:
GENERAL LAYOUT AND
ACCESS SETTING OUT DATA**

WAYLEAVE NO: WL2425-0147

CONTRACT No.:
2664

PROJECT No.:
2664

DATE:
11/02/2025

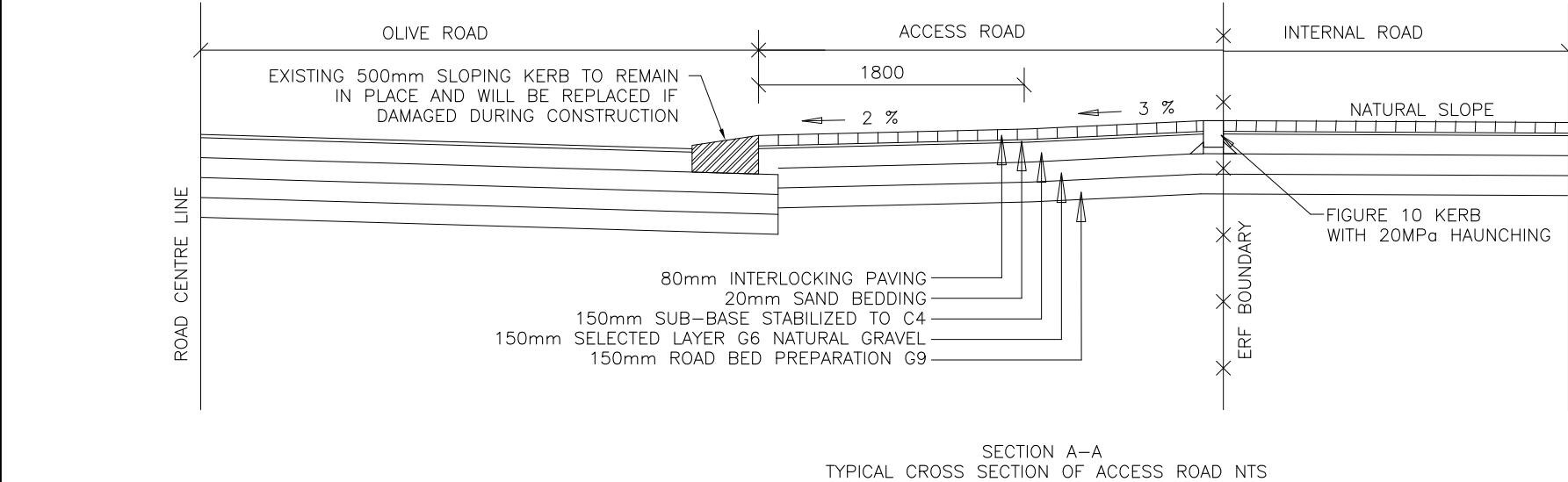
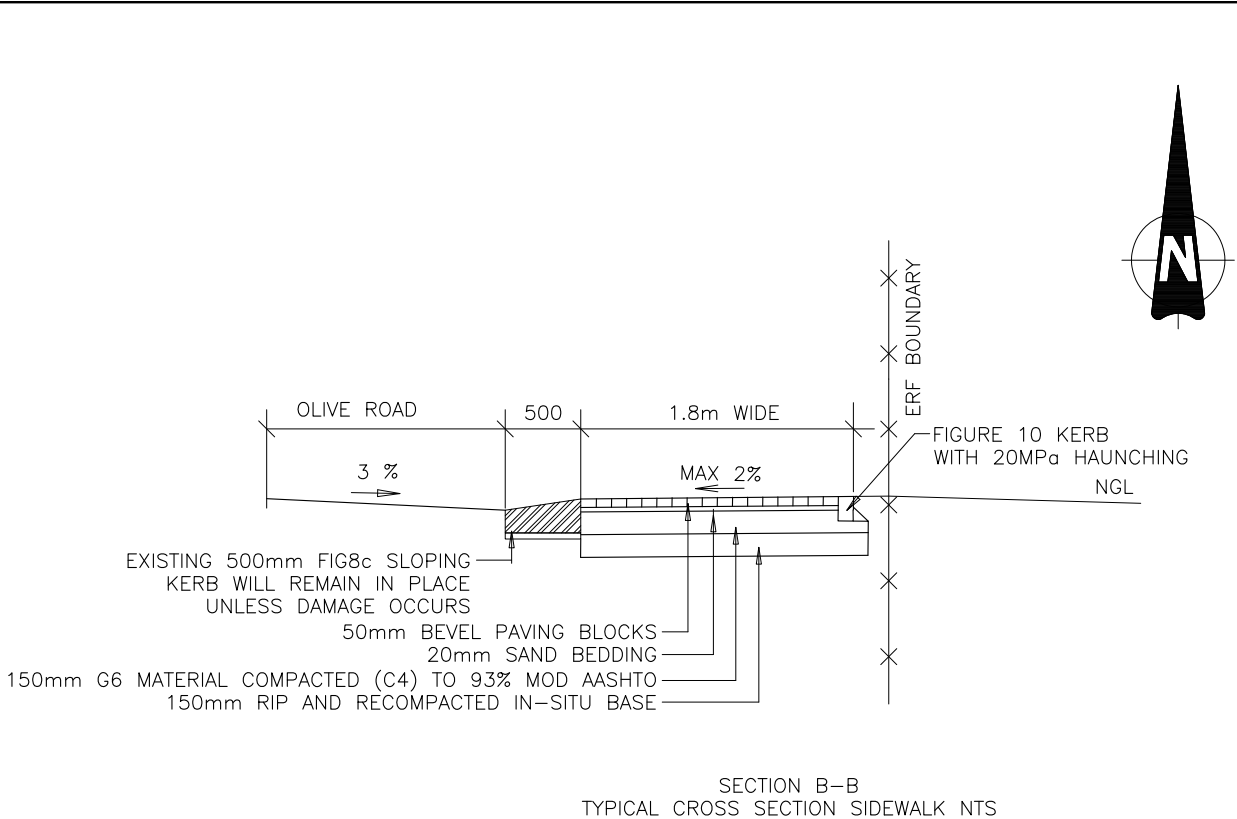
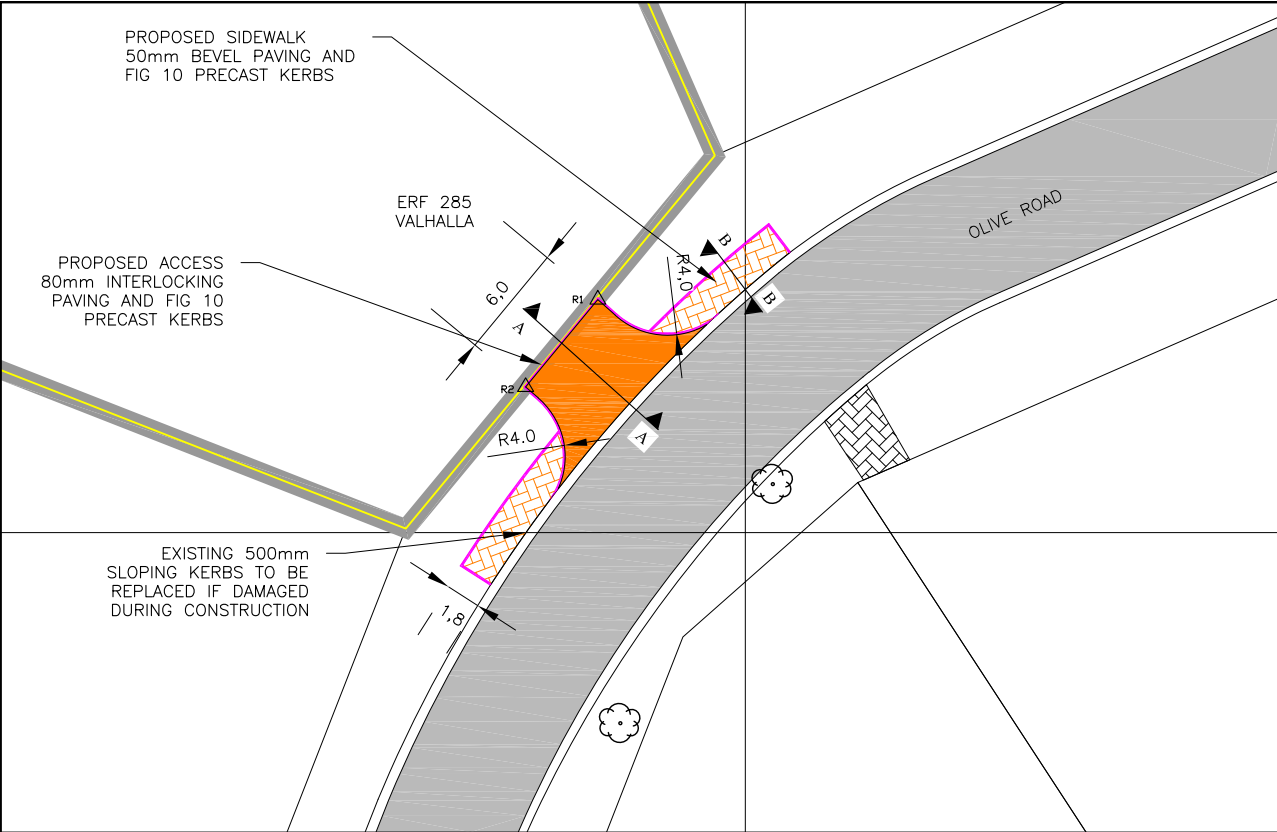
SCALE:
1:200

ORIGINAL PAPER SIZE:
A1

DRAWING NO:
2664-400-01-00

SHEET NO:
SHEET 1 OF 1

REVISION



ENTRANCE ROAD							
LAYER	DEPTH	DESCRIPTION	% MOD AASHTO	PI MAX	GM MIN	CBR MIN	UCS MIN
1	80mm	INTERLOCKING PAVING BLOCKS					
2	20mm	SAND BEDDING					
3	150mm	STABILIZED SUBBASE (C4)	97%	6	1.50	-	1.2
4	150mm	GRANULAR UPPER SELECTED LAYER (G6)	95%	-	-	25 Ø 95%	-
5	150mm	ROAD BED PREPARATION (G9)	90%	-	-	-	-

NOTES AND SPECIFICATIONS

GENERAL

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10 FINAL POSITION OF SERVICES TO BE DETERMINED ON SITE.

LEGEND:

PROPOSED DEVELOPMENT BOUNDARY

EXISTING ACCESS

EXISTING ROAD

PROPOSED ACCESS

PROPOSED PAVED SIDEWALK

PROPOSED FIGURE 10 KERB

AMENDMENTS

NR.	DATE	APPROVED	DESCRIPTION	PAR.

DESIGNED
H. ROSSOUW

DRAWN
H. GREEN

DESIGN CHECKED BY
L. WENTZEL

INFRASTRUCTURE TECHNICAL INFORMATION
MANAGEMENT
S.H. AUDIE

PROJECT STATUS

CONCEPT DRAWING

TENDER DRAWING

APPROVED FOR CONSTRUCTION

AS BUILT DRAWING

PROJECT ENGINEER (CONSULTANT)

L. WENTZEL

INITIALS AND SURNAME

950052

11/02/2025

SIGNATURE AND PI. No.

DATE

PROJECT ENGINEER (CITY OF TSHWANE)

INITIALS AND SURNAME

SIGNATURE AND PI. No.

DATE

STRUCTURAL ENGINEER (CITY OF TSHWANE)

INITIALS AND SURNAME

SIGNATURE AND PI. No.

DATE

OFFICIAL REPRESENTATIVE (CITY OF TSHWANE)

INITIALS AND SURNAME

SIGNATURE AND PI. No.

DATE

CONSULTANT DETAIL

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Consulting Engineers

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CITY OF TSHWANE

ROADS AND TRANSPORT DEPARTMENT

GROUP HEAD
Mr Leflonkane P. (Pheto)

Mr Thagale M.K.P. (Mavem)

P.O. BOX 1409
PRETORIA
0001

P.O. BOX 1409
PRETORIA
0001

DRAWING APPROVED BY DIVISIONAL HEAD
Mr Thagale M.K.P. (Mavem)

SIGNATURE: DATE:

LOCATION OF PROJECT:

ERF 285 VALHALLA

DESCRIPTION OF PROJECT

ROADS : TYPICAL CROSS SECTIONS

WAYLEAVE NO: WL2425-0147

CONTRACT No.:
2664

PROJECT No.:
2664

DATE:
11/02/2025

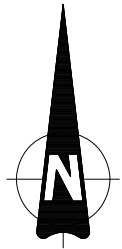
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ORIGINAL PAPER SIZE:
A1

DRAWING NO.
2664-420-01-00

SHEET NO:
SHEET 1 OF 1

REVISION



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LEGEND:

-  PROPOSED DEVELOPMENT BOUNDARY
 EXISTING ACCESS
 EXISTING ROAD
 PROPOSED ACCESS
 PROPOSED PAVED SIDEWALK
 PROPOSED FIGURE 10 KERB
 PROPOSED PEDESTRIAN WALK PATH
 PROPOSED BARRICADE FOR WORKING AREA

AMENDMENTS

NR.	DATE	APPROVED	DESCRIPTION	PAR.

DESIGNED H. ROSSOUW	DRAWN H. GREEN
SIGNATURE: _____ DATE: 11/02/2005	
DESIGN CHECKED BY W. WENTZEL	INFRASTRUCTURE TECHNICAL INFORMATION MANAGEMENT S.H. AUDIE
SIGNATURE: _____ DATE: 11/02/2005	SIGNATURE: _____ DATE: _____

PROJECT STATUS

- ☒ CONCEPT DRAWING
 ☐ TENDER DRAWING
 ☐ APPROVED FOR CONSTRUCTION
 ☐ AS BUILT DRAWING

PROJECT ENGINEER (CONSULTANT)		
L. WENZTEL	950052	11/02/2025
INITIALS AND SURNAME	SIGNATURE AND P. No.	DATE
PROJECT ENGINEER (CITY OF TSHWANE)		
INITIALS AND SURNAME	SIGNATURE AND P. No.	DATE
STRUCTURAL ENGINEER (CITY OF TSHWANE)		
INITIALS AND SURNAME	SIGNATURE AND P. No.	DATE
OFFICIAL REPRESENTATIVE (CITY OF TSHWANE)		
INITIALS AND SURNAME	SIGNATURE AND P. No.	DATE

CONSULTANT DETAIL

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CITY OF TSHWANE

ROADS AND TRANSPORT DEPARTMENT

GROUP HEAD
Mr Letltonkane P. (Phoko)
P.O. BOX 1409
PRETORIA
0001



DIVISIONAL HEAD
r Thagale M.K.P. (Mavem)
P.O. BOX 1409
PRETORIA
0001

RAWING APPROVED BY DIVISIONAL HEAD
Mr Tilhagale M.K.P. (Mavem)

SIGNATURE: _____ **DATE:** _____

LOCATION OF PROJECT:
ERF 285 VALHALLA

ROAD UPGRADES : TRAFFIC MANAGEMENT PLAN FOR SIDE WALK AND ACCESS

WAYLEAVE NO: WL2425-0147

CONTRACT No. :
664

PROJECT No. :
664

DATE :
1/02/2025

SCALE :

ORIGINAL PAPER SIZE:

DRAWING NO.

2664-440-01-00

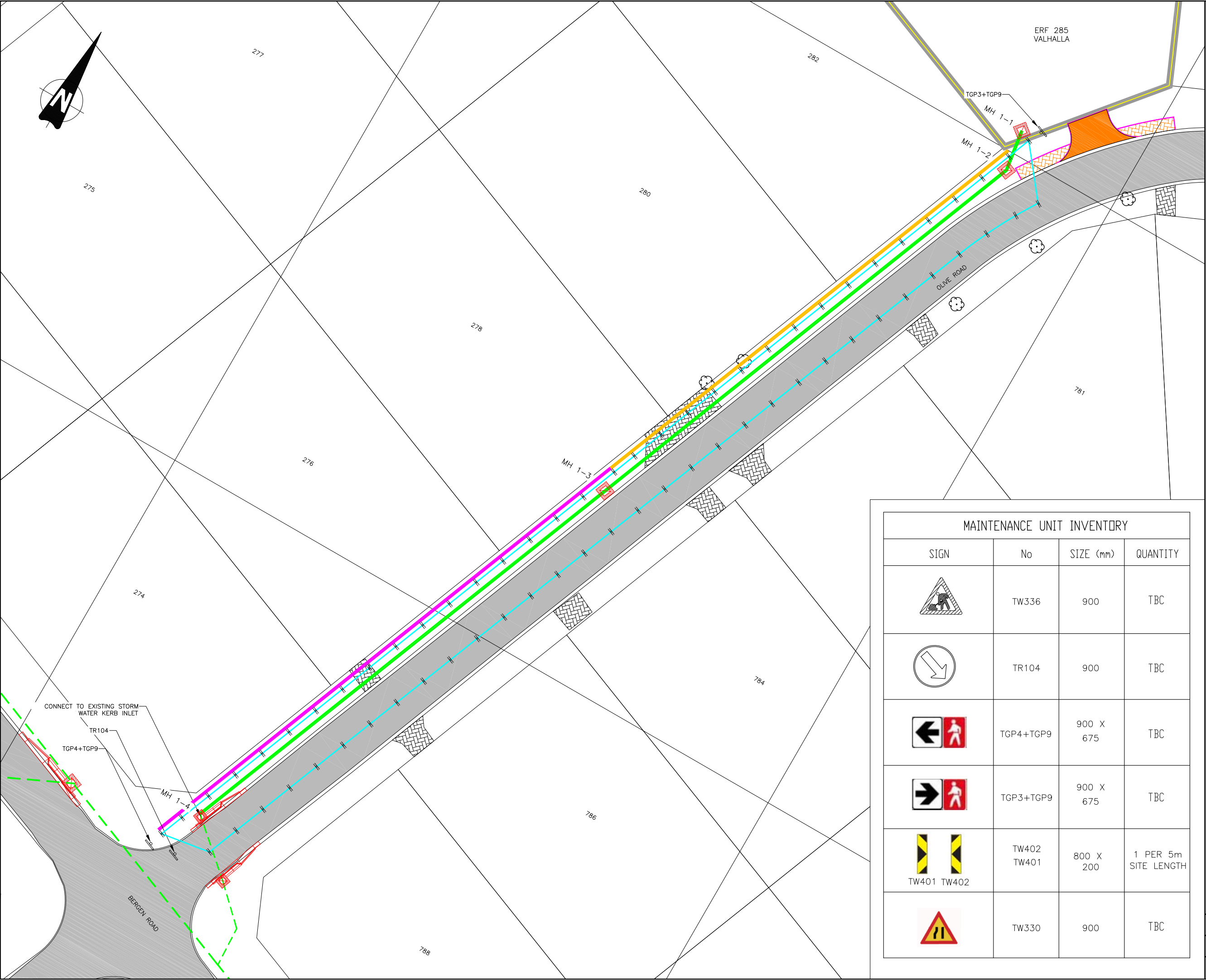
SHEET NO:

SHEET 1 OF 1



MAINTENANCE UNIT INVENTORY

SIGN	No	SIZE (mm)	QUANTITY
	TW336	900	TBC
	TR104	900	TBC
	TGP4+TGP9	900 X 675	TBC
	TGP3+TGP9	900 X 675	TBC
 TW401 TW402	TW402 TW401	800 X 200	1 PER 5m SITE LENGTH
	TW330	900	TBC



NOTES AND SPECIFICATIONS

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FINAL POSITION OF SERVICES TO BE DETERMINED ON SITE.

LEGEND:

PROPOSED DEVELOPMENT BOUNDARY

EXISTING ACCESS

EXISTING ROAD

PROPOSED ACCESS

PROPOSED PAVED SIDEWALK

PROPOSED FIGURE 10 KERB

PROPOSED PEDESTRIAN WALK PATH

PROPOSED BARRICADE FOR WORKING AREA

EXISTING STORM WATER PIPES

EXISTING JUNCTION BOX

EXISTING KERB INLET

PROPOSED STORM WATER PIPES

PROPOSED KERB INLET

PROPOSED MANHOLE JUNCTION BOX

AMENDMENTS

NR.	DATE	APPROVED	DESCRIPTION	PAR.

DESIGNED
H. ROSSOUW

DRAWN
H. GREEN

DESIGN CHECKED BY
L. WENTZEL

INFRASTRUCTURE TECHNICAL INFORMATION
MANAGEMENT
S.H. AUDIE

PROJECT STATUS

CONCEPT
DRAWING

TENDER
DRAWING

APPROVED FOR
CONSTRUCTION
DRAWING

AS BUILT
DRAWING

PROJECT ENGINEER (CONSULTANT)
L. WENTZEL

950052

11/02/2025

PROJECT ENGINEER (CITY OF TSHWANE)

SIGNATURE AND PI. No.

DATE

INITIALS AND SURNAME

SIGNATURE AND PI. No.

DATE

STRUCTURAL ENGINEER (CITY OF TSHWANE)

SIGNATURE AND PI. No.

DATE

INITIALS AND SURNAME

SIGNATURE AND PI. No.

DATE

OFFICIAL REPRESENTATIVE (CITY OF TSHWANE)

SIGNATURE AND PI. No.

DATE

CONSULTANT DETAIL

CIVILCONSULT

Consulting Engineers

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Tel 012-343 6297/0845
Fax 012-343 8929
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CITY OF TSHWANE

ROADS AND TRANSPORT DEPARTMENT

GROUP HEAD
Mr Letlorkhane P. (Pheto)

Mr Thagale M.K.P. (Mavem)

P.O. BOX 1409
PRETORIA
0001

P.O. BOX 1409
PRETORIA
0001

DRAWING APPROVED BY DMSIONAL HEAD
Mr Thagale M.K.P. (Mavem)

SIGNATURE: DATE:

LOCATION OF PROJECT:

ERF 285 VALHALLA

DESCRIPTION OF PROJECT

ROAD UPGRADES :
TRAFFIC MANAGEMENT PLAN FOR
STORM WATER

WAYLEAVE NO: WL2425-0147

CONTRACT No.:
2664

PROJECT No.:
2664

DATE:
11/02/2025

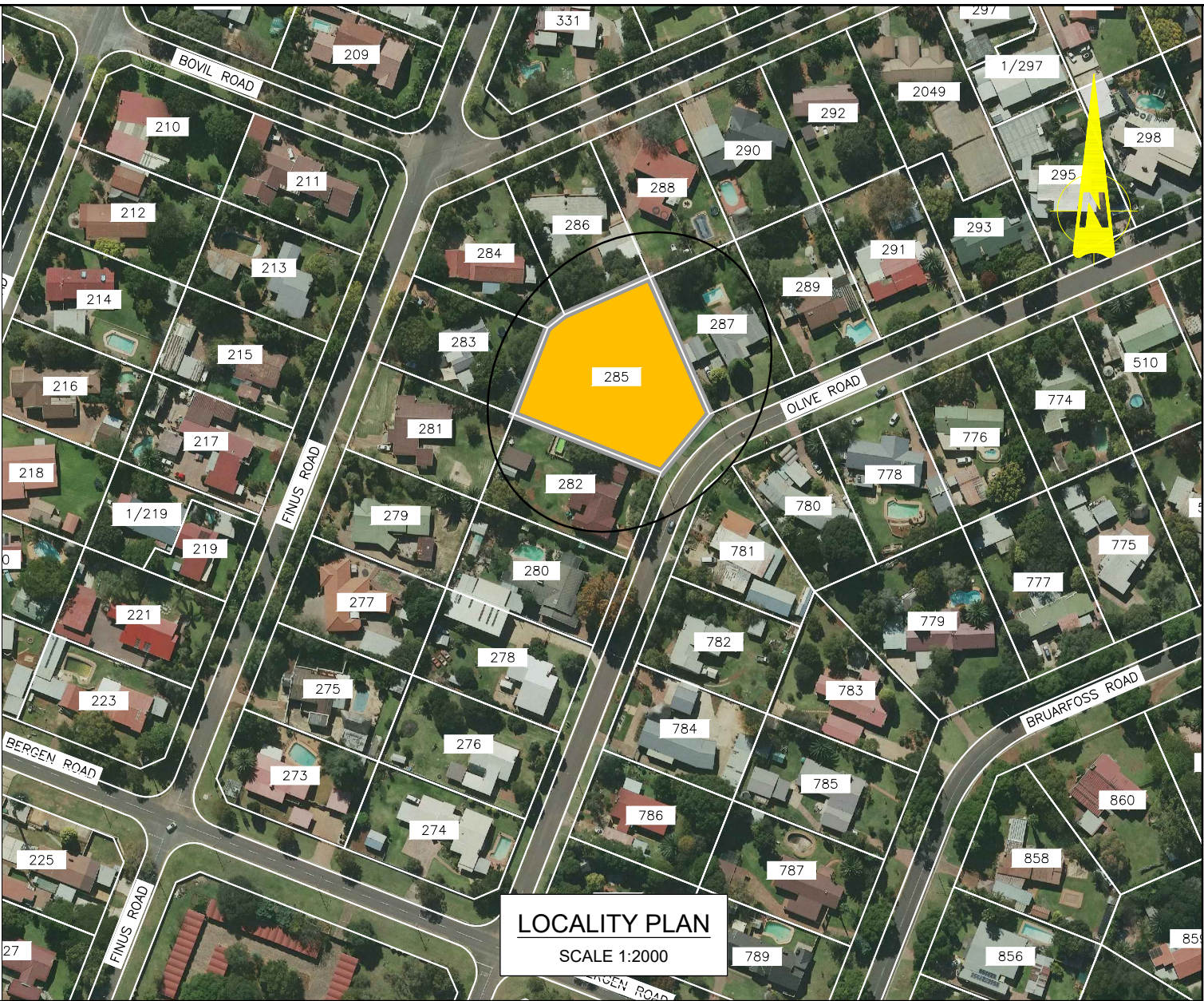
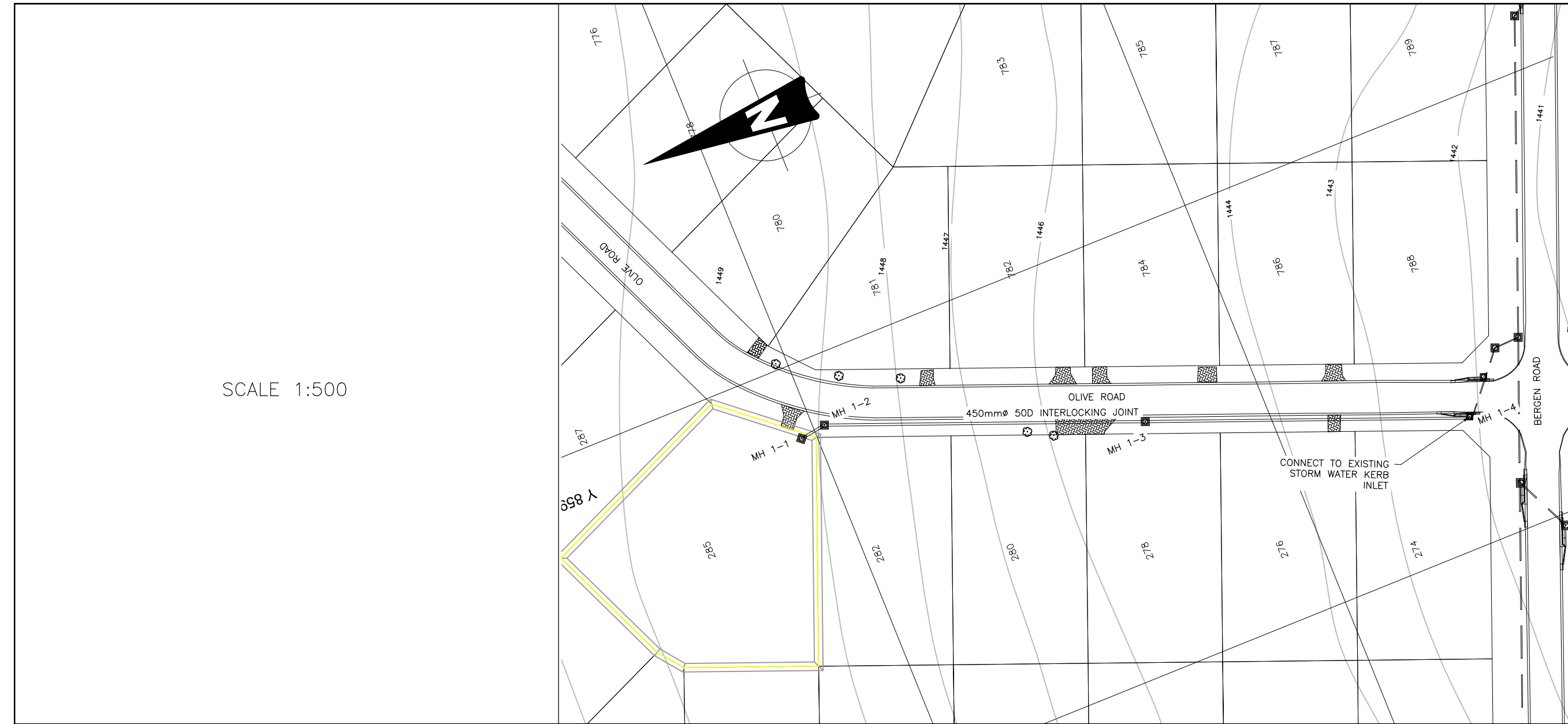
SCALE:
1:250

ORIGINAL PAPER SIZE:
A1

DRAWING NO.
2664-440-02-00

SHEET NO:
SHEET 1 OF 1

REVISION



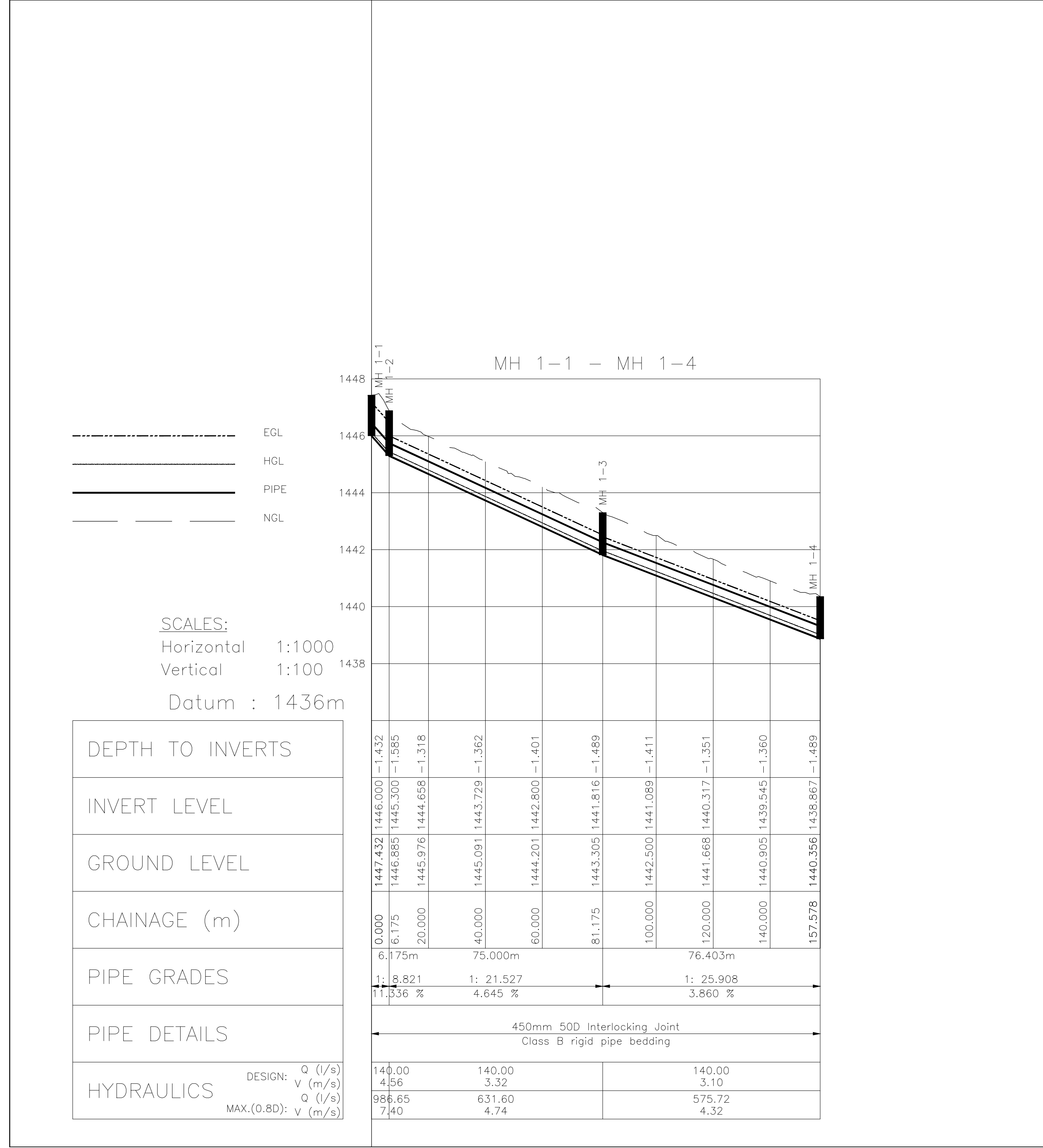
NOTES AND SPECIFICATIONS

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LEGEND:

- PROPOSED DEVELOPMENT BOUNDARY
- EXISTING STORM WATER PIPES
- EXISTING JUNCTION BOX
- EXISTING KERB INLET
- PROPOSED STORM WATER PIPES
- PROPOSED KERB INLET
- PROPOSED MANHOLE JUNCTION BOX
- EXISTING PAVING



AMENDMENTS

NR.	DATE	APPROVED	DESCRIPTION	PAR.

DESIGNED: H. ROSSOUW
DRAWN: H. GREEN
DATE: 04/02/2025

DESIGN CHECKED BY: L. WENTZEL
INFRASTRUCTURE TECHNICAL INFORMATION MANAGEMENT
S.H. AUDIE
DATE: 04/02/2025

PROJECT STATUS

CONCEPT DRAWING
TENDER DRAWING
APPROVED FOR CONSTRUCTION DRAWINGS
AS BUILT DRAWING

PROJECT ENGINEER (CONSULTANT)
L. WENTZEL
950052
04/02/2025

INITIALS AND SURNAME
SIGNATURE AND P. No.
DATE

PROJECT ENGINEER (CITY OF TSHWANE)

INITIALS AND SURNAME
SIGNATURE AND P. No.
DATE

STRUCTURAL ENGINEER (CITY OF TSHWANE)

INITIALS AND SURNAME
SIGNATURE AND P. No.
DATE

OFFICIAL REPRESENTATIVE (CITY OF TSHWANE)

INITIALS AND SURNAME
SIGNATURE AND P. No.
DATE

CONSULTANT DETAIL

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Consulting Engineers

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Tel 012-343 6297/0845
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CITY OF TSHWANE
ROADS AND TRANSPORT DEPARTMENT

GROUP HEAD
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DIVISIONAL HEAD
Mr Thagale M.K.P. (Mavem)
P.O. BOX 1409
PRETORIA
0001

DRAWING APPROVED BY DIVISIONAL HEAD
Mr Thagale M.K.P. (Mavem)

SIGNATURE: DATE:

LOCATION OF PROJECT:
ERF 285 VALHALLA

DESCRIPTION OF PROJECT:
**STORM WATER :
LONGITUDINAL SECTIONS**

WAYLEAVE NO: WL2425-0147

CONTRACT No.: 2664
PROJECT No.: 2664

DATE: 04/02/2025
SCALE: 1:500
ORIGINAL PAPER SIZE: A1

DRAWING NO: 2664-510-01-00
SHEET NO: SHEET 1 OF 1
REVISION