

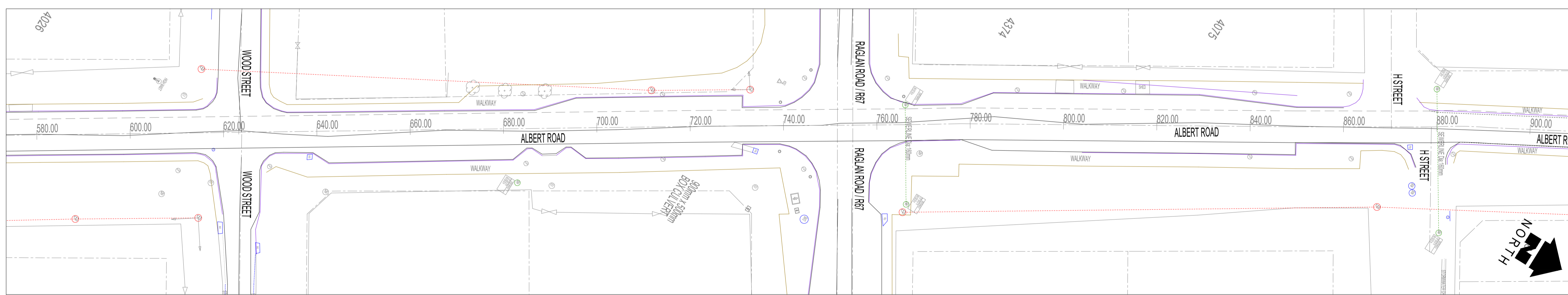
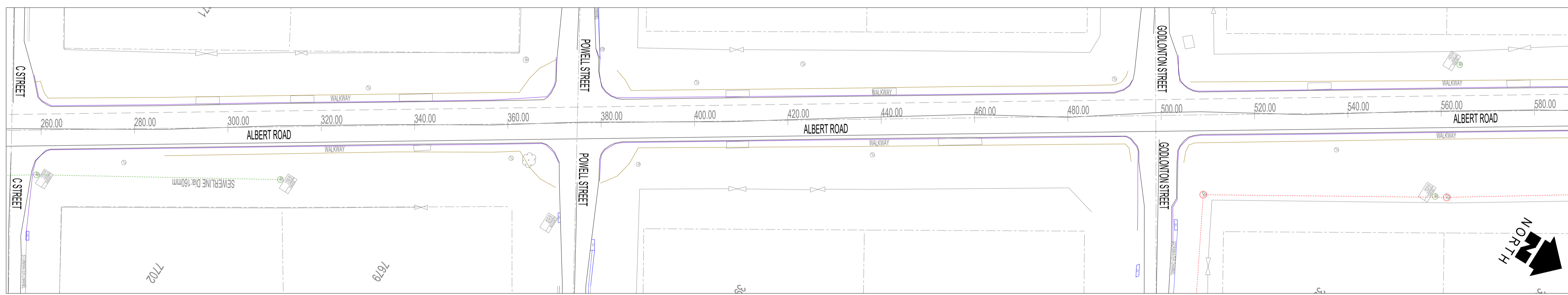
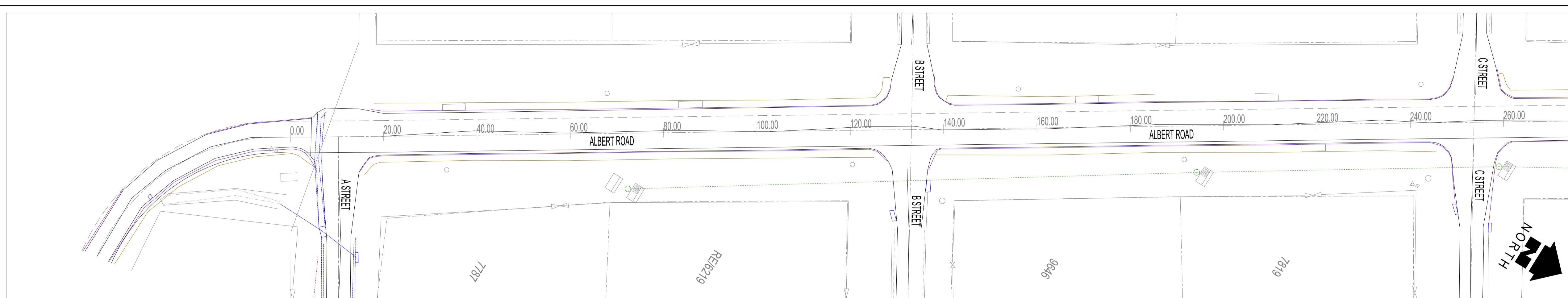
LEGEND / DESCRIPTION

PROPOSED ROAD CENTRE	---
PROPOSED ROAD EDGE	---
PROPOSED ROAD WIDENING	///
PROPOSED SUB-SOIL DRAIN	---
EXISTING ROAD CENTRE	---
EXISTING BARRIER KERB	---
EXISTING MOUNTABLE KERB	---
KERB LINE	---
SIDEWALK	---
EXISTING SEWER LINE	---
EXISTING STORMWATER LINE	---
EXISTING WATER LINE	---
EXISTING ELECTRICAL LINE	---

GENERAL LAYOUT PLAN
SCALE - 1: 5000



<p>GENERAL NOTES</p>	<p>REVISIONS / AMENDMENTS</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>RWVD</th> <th>APPD</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>30/10/2023</td> <td>ISSUED FOR PRELIM USE ONLY</td> <td>B.L.</td> <td>G.P.</td> </tr> </tbody> </table>	No.	DATE	DESCRIPTION	RWVD	APPD	0	30/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.	<p>COPYRIGHT NOTES</p> <p>Copyright of all documents prepared by LA Consulting Engineers (PTY) Ltd in accordance with the relevant provisions of the copyright Act (Act 98 of 1978) relating to Project shall be vested in LA Consulting Engineers (PTY) Ltd. The Employer shall be entitled to use the documents or copy them only for the purposes for which they are intended in regard to the Project and need not obtain LA Consulting Engineers (PTY) Ltd permission to copy for such use. Where copyright is vested in the Employer in terms of the Contract, LA Consulting Engineers (PTY) Ltd shall not be liable in any way for the use of any of the information other than as originally intended for the Project and the Employer hereby indemnifies the Service Provider against any claim which may be made against him by any party arising from the use of such documentation for other purposes. The ownership of data and factual information collected by LA Consulting Engineers (PTY) Ltd and paid for by the Employer shall, after payment by the Employer, be with the Employer. The Employer shall have no right to use any documents prepared by LA Consulting Engineers (PTY) Ltd whilst the payment of any fees and expenses due to LA Consulting Engineers (PTY) Ltd in terms of the Contract is overdue.</p>	<p>OPT PRIORITY No. N/A</p> <p>MASTER PRIORITY No. N/A</p> <p>TOWN AREA</p>	<p>ROAD NAME</p> <p>WARD No. N/A</p>				
No.	DATE	DESCRIPTION	RWVD	APPD														
0	30/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.														
<p>FUNDING AGENT</p>			<p>CLIENT</p> <p>Sarah Baartman DISTRICT MUNICIPALITY Province of the Eastern Cape <i>progress through development</i></p> <p>SARAH BAARTMAN MUNICIPALITY</p>	<p>DRAWING DESCRIPTION</p> <p>MAKHANDA: GENERAL LAYOUT PLAN</p>	<p>SERVICE PROVIDER</p> <p>LIFE AFRICA CHANGING LIVES BUILT ENVIRONMENT PROFESSIONALS</p> <p>Unit 2 First Floor, Eastco Office Park, 36-38 Beaufort Street, Grahamstown, 6201</p>													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>DRAWN</th> <th>CHECKED</th> <th>REVIEWED</th> <th>APPROVED</th> </tr> <tr> <th>LL</th> <th>BL</th> <th>BL</th> <th>G.P.</th> </tr> </thead> <tbody> <tr> <td>30/10/2023</td> <td>30/10/2023</td> <td>30/10/2023</td> <td>30/10/2023</td> </tr> </tbody> </table> <p>DRAWING STATUS</p> <p>FOR TENDER PURPOSES</p>			DRAWN	CHECKED	REVIEWED	APPROVED	LL	BL	BL	G.P.	30/10/2023	30/10/2023	30/10/2023	30/10/2023	<p>PROJECT</p> <p>REHABILITATION OF M STREET & ALBERT ROAD IN MAKHANDA, MAKANA LOCAL MUNICIPALITY</p>	<p>SCALE</p> <p>1: 5000</p> <p>DRAWING No.</p> <p>23CR04-04-02-03-001</p>	<p>SHEET REF</p> <p>1 OF 1</p> <p>REV No.</p> <p>0</p>	<p>SHEET SIZE</p> <p>A1</p>
DRAWN	CHECKED	REVIEWED	APPROVED															
LL	BL	BL	G.P.															
30/10/2023	30/10/2023	30/10/2023	30/10/2023															



LAYOUT PLAN
SCALE - 1: 500

PROJECT LOCALITY PLAN LAYOUT

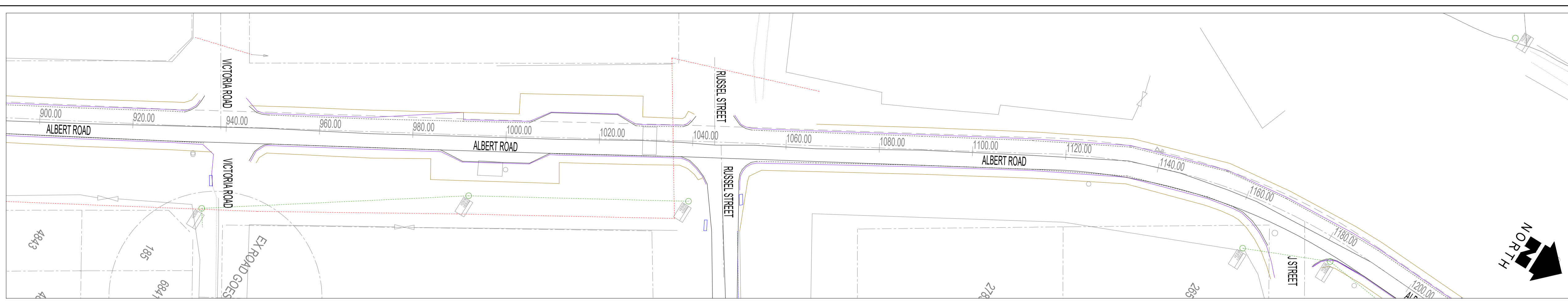
LEGEND / DESCRIPTION

PROPOSED ROAD CENTRE	---
PROPOSED ROAD EDGE	---
PROPOSED ROAD WIDENING	///
PROPOSED SUB-SOIL DRAIN	---
EXISTING ROAD CENTRE	---
EXISTING BARRIER KERB	---
EXISTING MOUNTABLE KERB	---
KERB LINE	---
SIDEWALK	---
EXISTING SEWER LINE	---
EXISTING STORMWATER LINE	---
EXISTING WATER LINE	---
EXISTING ELECTRICAL LINE	---



D:\Lameez\LA-23CR04 Makhanda Grahamstown\Working\AutoCad\2023-10-30-Makhanda Road Layout new.dwg | FAZEL | 2023/11/14 09:30:21

<p>GENERAL NOTES</p>	<p>REVISIONS / AMENDMENTS</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>RWVD</th> <th>APPD</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>30/10/2023</td> <td>ISSUED FOR PRELIM USE ONLY</td> <td>B.L.</td> <td>G.P.</td> </tr> </tbody> </table>	No.	DATE	DESCRIPTION	RWVD	APPD	0	30/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.	<p>COPYRIGHT NOTES</p> <p>Copyright of all documents prepared by LA Consulting Engineers (PTY) Ltd in accordance with the relevant provisions of the copyright Act (Act 98 of 1978) relating to Project shall be vested in LA Consulting Engineers (PTY) Ltd. The Employer shall be entitled to use the documents or copy them only for the purposes for which they are intended in regard to the Project and need not obtain LA Consulting Engineers (PTY) Ltd permission to copy for such use. Where copyright is vested in the Employer in terms of the Contract, LA Consulting Engineers (PTY) Ltd shall not be liable in any way for the use of any of the information other than as originally intended for the Project and the Employer hereby indemnifies the Service Provider against any claim which may be made against him by any party arising from the use of such documentation for other purposes. The ownership of data and factual information collected by LA Consulting Engineers (PTY) Ltd and paid for by the Employer shall, after payment by the Employer, be with the Employer. The Employer shall have no right to use any documents prepared by LA Consulting Engineers (PTY) Ltd whilst the payment of any fees and expenses due to LA Consulting Engineers (PTY) Ltd in terms of the Contract is overdue.</p>	<p>OPT PRIORITY No. N/A</p> <p>MASTER PRIORITY No. N/A</p> <p>TOWN AREA</p>	<p>ROAD NAME ALBERT ROAD</p> <p>WARD No. N/A</p>	<p>FUNDING AGENT</p>	<p>CLIENT</p> <p>Sarah Baartman DISTRICT MUNICIPALITY Province of the Eastern Cape <i>progress through development</i></p> <p>SARAH BAARTMAN MUNICIPALITY</p>	<p>DRAWING DESCRIPTION</p> <p>MAKHANDA: LAYOUT PLANS</p>	<p>SERVICE PROVIDER</p> <p>LIFE AFRICA CHANGING LIVES BUILT ENVIRONMENT PROFESSIONALS</p>
No.	DATE	DESCRIPTION	RWVD	APPD														
0	30/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.														
		<p>PROJECT</p> <p>REHABILITATION OF M STREET & ALBERT ROAD IN MAKHANDA, MAKANA LOCAL MUNICIPALITY</p>		<p>SCALE</p> <p>1: 500</p>		<p>SHEET REF</p> <p>1 OF 5</p>		<p>SHEET SIZE</p> <p>A1</p>										
		<p>DRAWING STATUS</p> <p>FOR TENDER PURPOSES</p>		<p>DRAWING No.</p> <p>23CR04-04-02-03-002</p>		<p>REV No.</p> <p>0</p>												



LAYOUT PLAN
SCALE - 1: 500

PROJECT LOCALITY PLAN LAYOUT

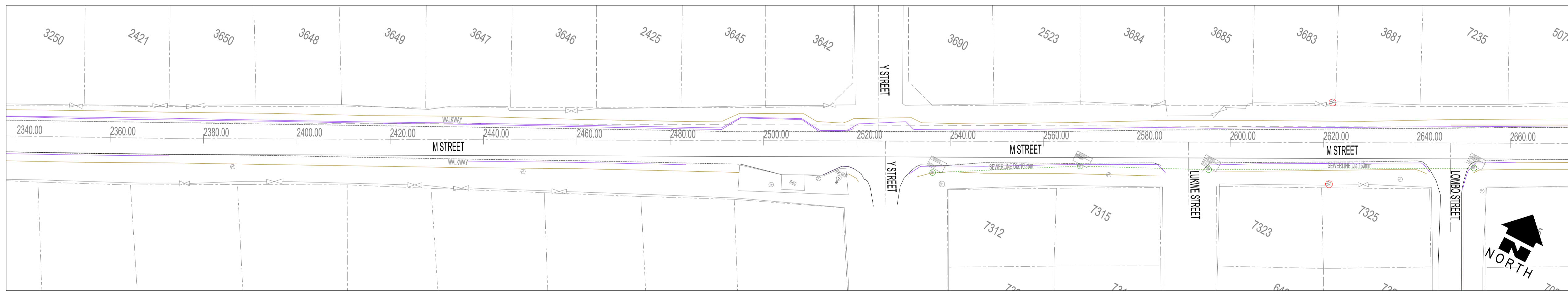
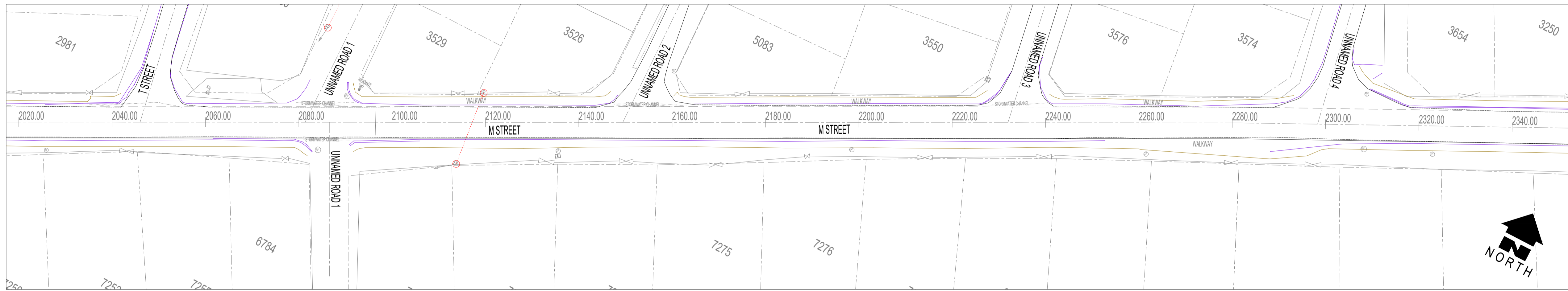
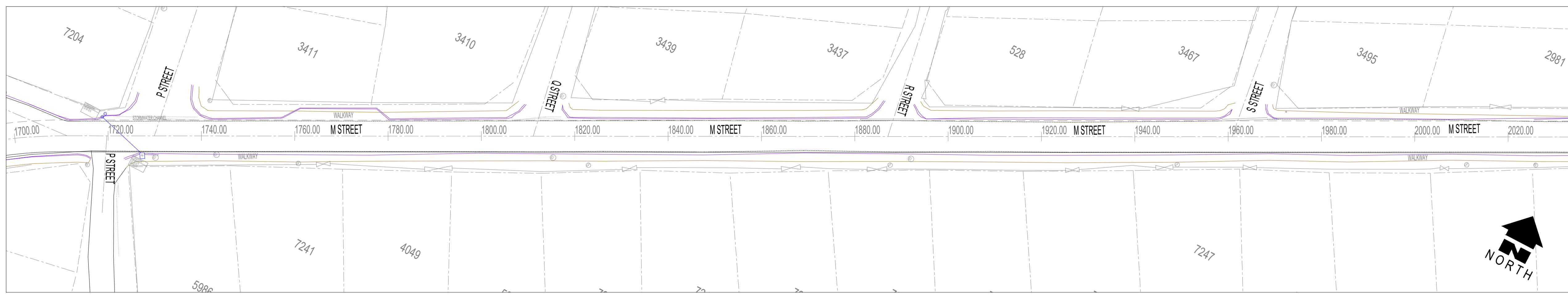
LEGEND / DESCRIPTION

PROPOSED ROAD CENTRE	---
PROPOSED ROAD EDGE	---
PROPOSED ROAD WIDENING	///
PROPOSED SUB-SOIL DRAIN	---
EXISTING ROAD CENTRE	---
EXISTING BARRIER KERB	---
EXISTING MOUNTABLE KERB	---
KERB LINE	---
SIDEWALK	---
EXISTING SEWER LINE	---
EXISTING STORMWATER LINE	---
EXISTING WATER LINE	---
EXISTING ELECTRICAL LINE	---



D:\Lameez\LA-23CR04 Makhanda Grahamstown\Working\AutoCad\2023-10-30-Makhanda Road Layout new.dwg | FAZEL | 2023/11/14 09:31:12

<p>GENERAL NOTES</p>	<p>REVISIONS / AMENDMENTS</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>RWVD</th> <th>APPD</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>30/10/2023</td> <td>ISSUED FOR PRELIM USE ONLY</td> <td>B.L.</td> <td>G.P.</td> </tr> </tbody> </table>	No.	DATE	DESCRIPTION	RWVD	APPD	0	30/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.	<p>COPYRIGHT NOTES</p> <p>Copyright of all documents prepared by LA Consulting Engineers (PTY) Ltd in accordance with the relevant provisions of the copyright Act (Act 98 of 1978) relating to Project shall be vested in LA Consulting Engineers (PTY) Ltd. The Employer shall be entitled to use the documents or copy them only for the purposes for which they are intended in regard to the Project and need not obtain LA Consulting Engineers (PTY) Ltd permission to copy for such use. Where copyright is vested in the Employer in terms of the Contract, LA Consulting Engineers (PTY) Ltd shall not be liable in any way for the use of any of the information other than as originally intended for the Project and the Employer hereby indemnifies the Service Provider against any claim which may be made against him by any party arising from the use of such documentation for other purposes. The ownership of data and factual information collected by LA Consulting Engineers (PTY) Ltd and paid for by the Employer shall, after payment by the Employer, be with the Employer. The Employer shall have no right to use any documents prepared by LA Consulting Engineers (PTY) Ltd without the payment of any fees and expenses due to LA Consulting Engineers (PTY) Ltd in terms of the Contract is overdue.</p>	<p>OPT PRIORITY No. N/A</p> <p>MASTER PRIORITY No. N/A</p> <p>TOWN AREA</p>	<p>ROAD NAME</p> <p>ALBERT RD, FICHART, NONZUBE & M STR</p> <p>WARD No. N/A</p>	<p>FUNDING AGENT</p> <p>SARAH BAARTMAN MUNICIPALITY</p>	<p>CLIENT</p> <p>SARAH BAARTMAN MUNICIPALITY</p>	<p>DRAWING DESCRIPTION</p> <p>MAKHANDA: LAYOUT PLANS</p>	<p>SERVICE PROVIDER</p> <p>LIFE AFRICA CHANGING LIVES BUILT ENVIRONMENT PROFESSIONALS</p>
No.	DATE	DESCRIPTION	RWVD	APPD														
0	30/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.														
<p>PROJECT</p> <p>REHABILITATION OF M STREET & ALBERT ROAD IN MAKHANDA, MAKANA LOCAL MUNICIPALITY</p>				<p>SCALE</p> <p>1: 500</p>		<p>SHEET REF</p> <p>2 OF 5</p>		<p>SHEET SIZE</p> <p>A1</p>										
<p>DRAWING STATUS</p> <p>FOR TENDER PURPOSES</p>				<p>DRAWING No.</p> <p>23CR04-04-02-03-003</p>		<p>REV No.</p> <p>0</p>												



LAYOUT PLAN
SCALE - 1: 500

PROJECT LOCALITY PLAN LAYOUT

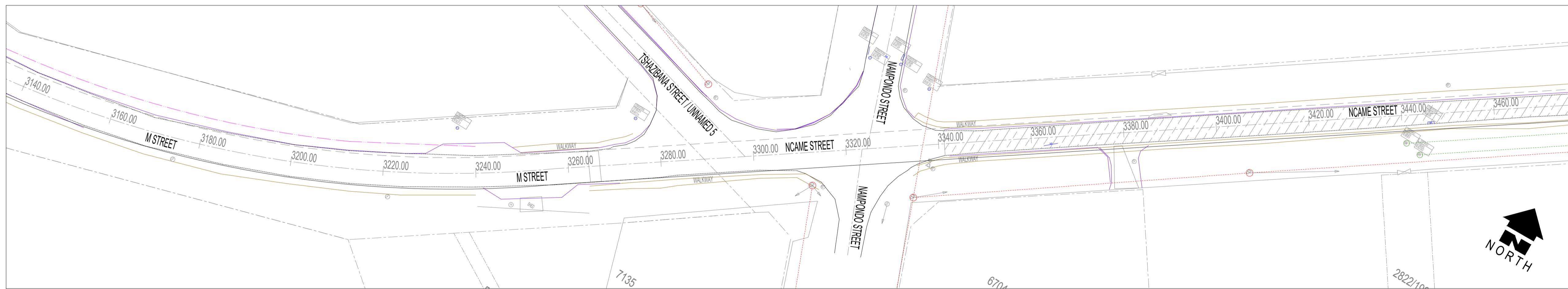
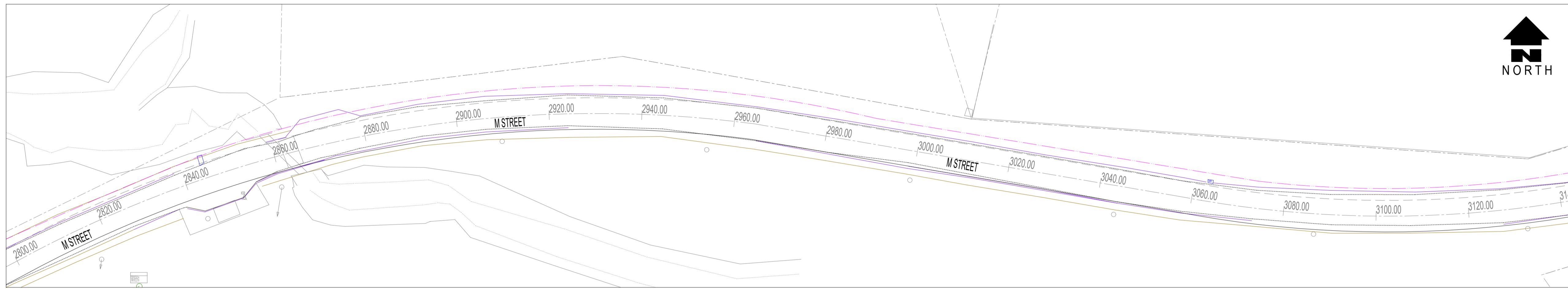
LEGEND / DESCRIPTION

PROPOSED ROAD CENTRE	---
PROPOSED ROAD EDGE	---
PROPOSED ROAD WIDENING	///
PROPOSED SUB-SOIL DRAIN	---
EXISTING ROAD CENTRE	---
EXISTING BARRIER KERB	---
EXISTING MOUNTABLE KERB	---
KERB LINE	---
SIDEWALK	---
EXISTING SEWER LINE	---
EXISTING STORMWATER LINE	---
EXISTING WATER LINE	---
EXISTING ELECTRICAL LINE	---



D:\Lameez\LA-23CR04 Makhanda Grahamstown\Working\AutoCad\2023-10-30-Makhana Road Layout new.dwg | FAZEL | 2023/11/14 09:32:44

<p>GENERAL NOTES</p>	<p>REVISIONS / AMENDMENTS</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>RWVD</th> <th>APPD</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>30/10/2023</td> <td>ISSUED FOR PRELIM USE ONLY</td> <td>B.L.</td> <td>G.P.</td> </tr> </tbody> </table>	No.	DATE	DESCRIPTION	RWVD	APPD	0	30/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.	<p>COPYRIGHT NOTES</p> <p>Copyright of all documents prepared by LA Consulting Engineers (PTY) Ltd in accordance with the relevant provisions of the copyright Act (Act 98 of 1978) relating to Project shall be vested in LA Consulting Engineers (PTY) Ltd. The Employer shall be entitled to use the documents or copy them only for the purposes for which they are intended in regard to the Project and need not obtain LA Consulting Engineers (PTY) Ltd permission to copy for such use. Where copyright is vested in the Employer in terms of the Contract, LA Consulting Engineers (PTY) Ltd shall not be liable in any way for the use of any of the information other than as originally intended for the Project and the Employer hereby indemnifies the Service Provider against any claim which may be made against him by any party arising from the use of such documentation for other purposes. The ownership of data and factual information collected by LA Consulting Engineers (PTY) Ltd and paid for by the Employer shall, after payment by the Employer, be with the Employer. The Employer shall have no right to use any documents prepared by LA Consulting Engineers (PTY) Ltd without the payment of any fees and expenses due to LA Consulting Engineers (PTY) Ltd in terms of the Contract is overdue.</p>	<p>OPT PRIORITY No. N/A</p> <p>MASTER PRIORITY No. N/A</p> <p>TOWN AREA</p>	<p>FUNDING AGENT</p>	<p>CLIENT</p> <p>SARAH BAARTMAN MUNICIPALITY</p>	<p>DRAWING DESCRIPTION</p> <p>MAKHANDA: LAYOUT PLANS</p>	<p>SERVICE PROVIDER</p> <p>LIFE AFRICA CHANGING LIVES BUILT ENVIRONMENT PROFESSIONALS</p>
No.	DATE	DESCRIPTION	RWVD	APPD													
0	30/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.													
<p>DRAWING STATUS: FOR TENDER PURPOSES</p>					<p>PROJECT: REHABILITATION OF M STREET & ALBERT ROAD IN MAKHANDA, MAKANA LOCAL MUNICIPALITY</p>		<p>SCALE: 1: 500</p> <p>DRAWING No.: 23CR04-04-02-03-004</p>		<p>SHEET REF: 3 OF 5</p> <p>SHEET SIZE: A1</p> <p>REV No.: 0</p>								



LAYOUT PLAN
SCALE - 1: 500

PROJECT LOCALITY PLAN LAYOUT

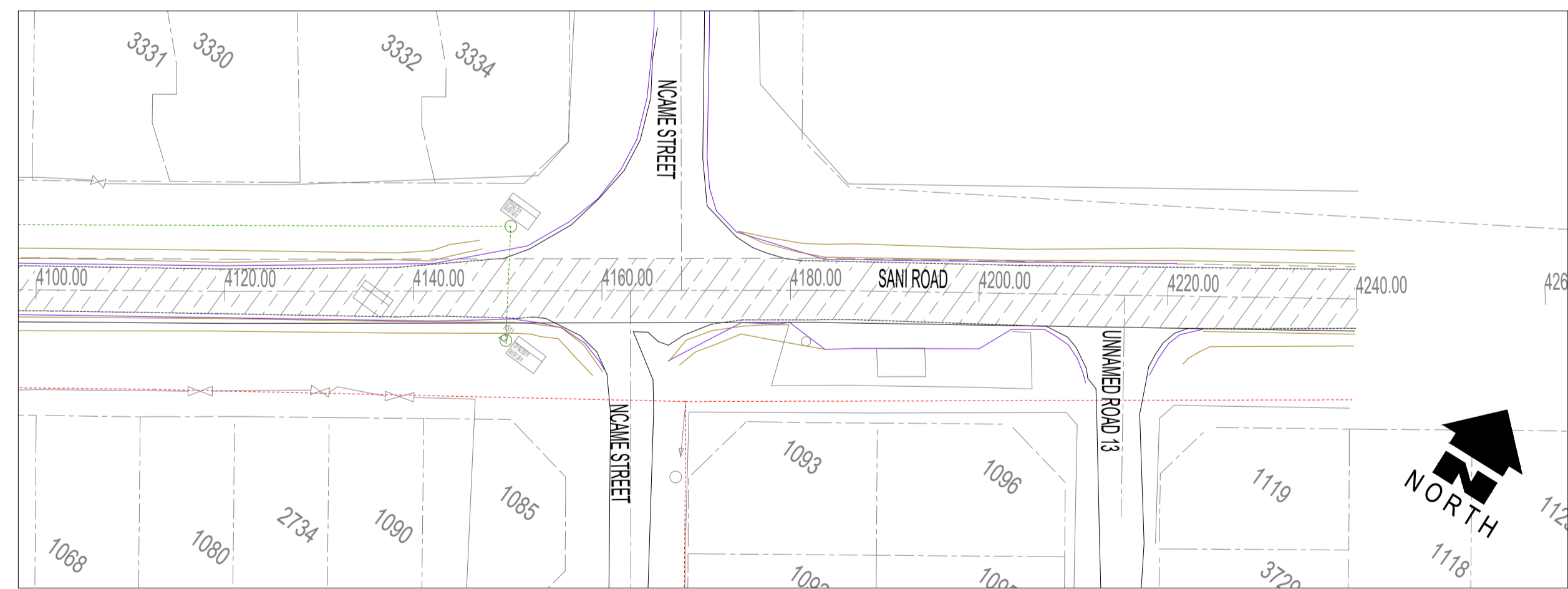
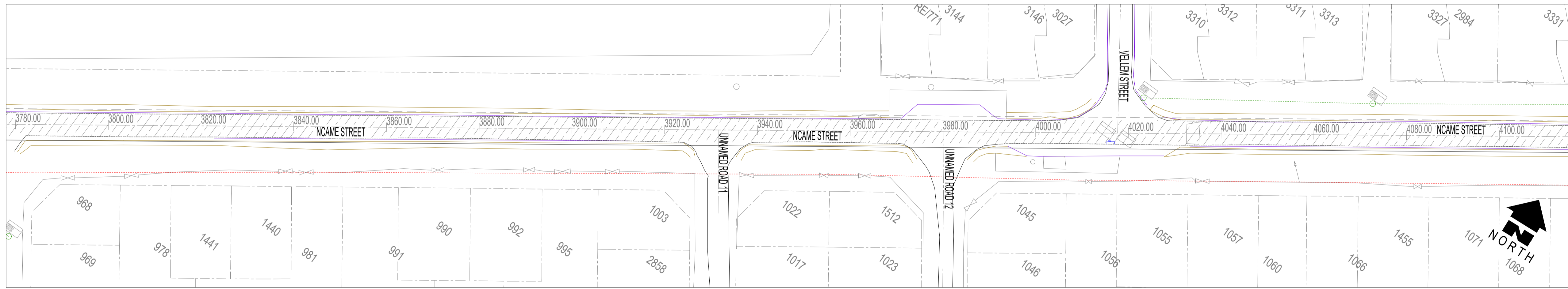
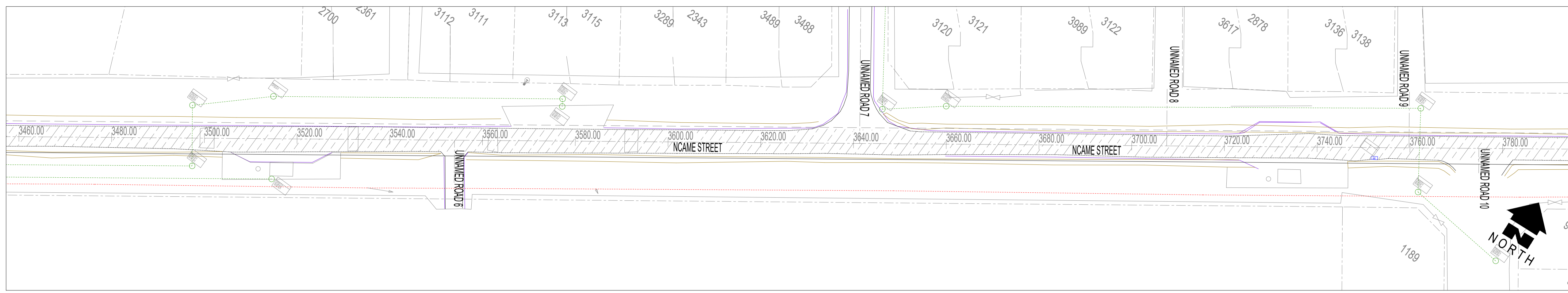
LEGEND / DESCRIPTION

PROPOSED ROAD CENTRE	---
PROPOSED ROAD EDGE	---
PROPOSED ROAD WIDENING	///
PROPOSED SUB-SOIL DRAIN	---
EXISTING ROAD CENTRE	---
EXISTING BARRIER KERB	---
EXISTING MOUNTABLE KERB	---
KERB LINE	---
SIDEWALK	---
EXISTING SEWER LINE	---
EXISTING STORMWATER LINE	---
EXISTING WATER LINE	---
EXISTING ELECTRICAL LINE	---



D:\lameez\LA-23CR04 Makhanda Grahamstown\Working\AutoCad\2023-10-30-Makhanda Road Layout new.dwg | FAZEL | 2023/11/14 09:36:04

<p>GENERAL NOTES</p>	<p>REVISIONS / AMENDMENTS</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>RWVD</th> <th>APPD</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>30/10/2023</td> <td>ISSUED FOR PRELIM USE ONLY</td> <td>B.L.</td> <td>G.P.</td> </tr> </tbody> </table>	No.	DATE	DESCRIPTION	RWVD	APPD	0	30/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.	<p>COPYRIGHT NOTES</p> <p>Copyright of all documents prepared by LA Consulting Engineers (PTY) Ltd in accordance with the relevant provisions of the copyright Act (Act 98 of 1978) relating to Project shall be vested in LA Consulting Engineers (PTY) Ltd. The Employer shall be entitled to use the documents or copy them only for the purposes for which they are intended in regard to the Project and need not obtain LA Consulting Engineers (PTY) Ltd permission to copy for such use. Where copyright is vested in the Employer in terms of the Contract, LA Consulting Engineers (PTY) Ltd shall not be liable in any way for the use of any of the information other than as originally intended for the Project and the Employer hereby indemnifies the Service Provider against any claim which may be made against him by any party arising from the use of such documentation for other purposes. The ownership of data and factual information collected by LA Consulting Engineers (PTY) Ltd and paid for by the Employer shall, after payment by the Employer, lie with the Employer. The Employer shall have no right to use any documents prepared by LA Consulting Engineers (PTY) Ltd without the payment of any fees and expenses due to LA Consulting Engineers (PTY) Ltd in terms of the Contract is overdue.</p>	<p>OPT PRIORITY No. N/A</p> <p>MASTER PRIORITY No. N/A</p> <p>TOWN AREA</p>	<p>FUNDING AGENT</p> <p>CLIENT</p> <p>SARAH BAARTMAN MUNICIPALITY</p> <p>PROJECT</p> <p>REHABILITATION OF M STREET & ALBERT ROAD IN MAKHANDA, MAKANA LOCAL MUNICIPALITY</p>	<p>DRAWING DESCRIPTION</p> <p>MAKHANDA: LAYOUT PLANS</p>	<p>SERVICE PROVIDER</p> <p>LIFE AFRICA CHANGING LIVES BUILT ENVIRONMENT PROFESSIONALS</p>
No.	DATE	DESCRIPTION	RWVD	APPD												
0	30/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.												
<p>ROAD NAME</p> <p>M STREET & NNAME STREET</p>		<p>WARD No.</p> <p>N/A</p>		<p>SCALE</p> <p>1: 500</p>		<p>SHEET REF</p> <p>4 OF 5</p>		<p>SHEET SIZE</p> <p>A1</p>								
<p>DRAWING No.</p> <p>23CR04-04-02-03-005</p>		<p>REV No.</p> <p>0</p>		<p>DRAWING STATUS</p> <p>FOR TENDER PURPOSES</p>		<p>SCALE</p> <p>1: 500</p>		<p>SHEET REF</p> <p>4 OF 5</p>								



LAYOUT PLAN
SCALE - 1: 500

PROJECT LOCALITY PLAN LAYOUT

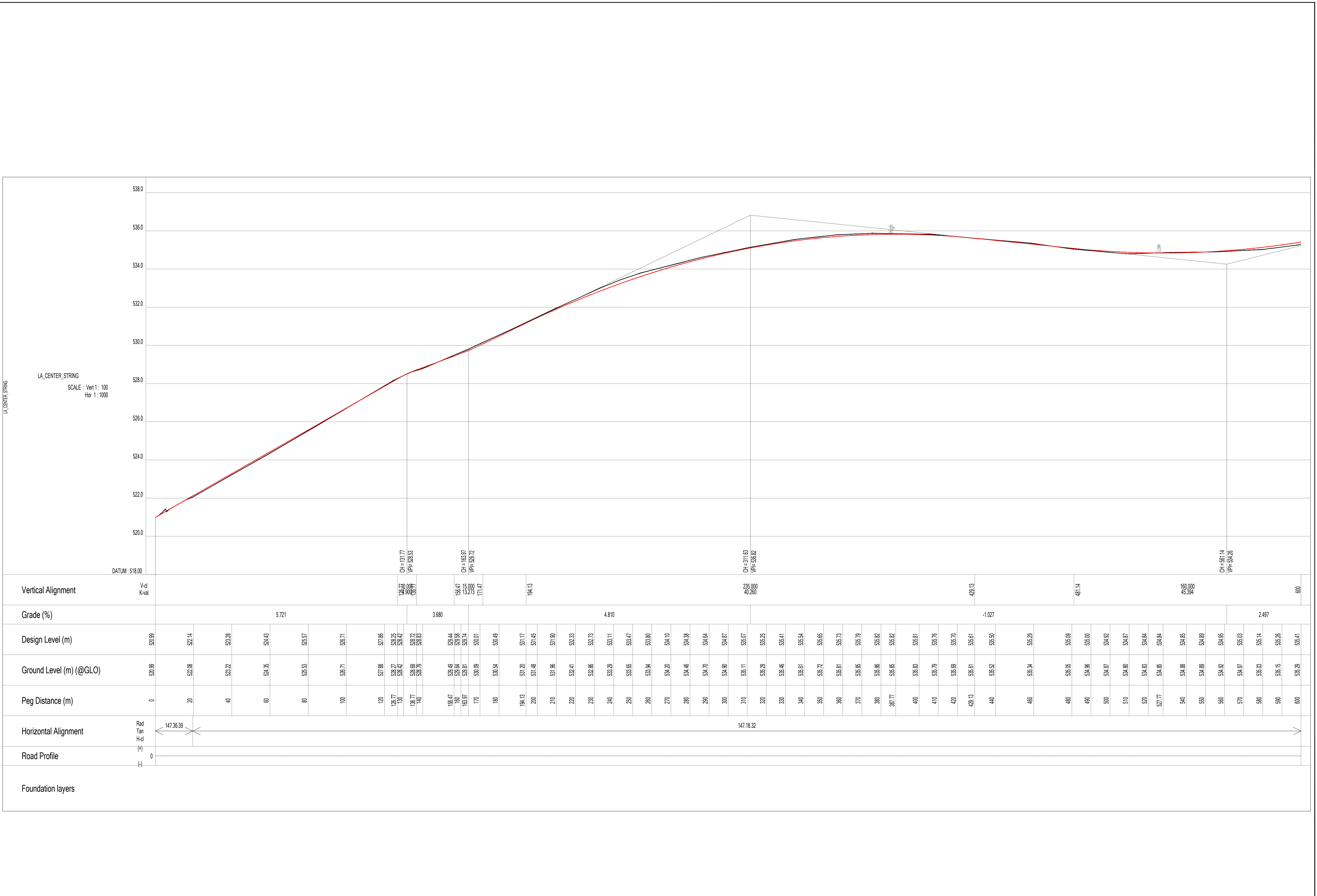
LEGEND / DESCRIPTION

PROPOSED ROAD CENTRE	---
PROPOSED ROAD EDGE	---
PROPOSED ROAD WIDENING	///
PROPOSED SUB-SOIL DRAIN	---
EXISTING ROAD CENTRE	---
EXISTING BARRIER KERB	---
EXISTING MOUNTABLE KERB	---
KERB LINE	---
SIDEWALK	---
EXISTING SEWER LINE	---
EXISTING STORMWATER LINE	---
EXISTING WATER LINE	---
EXISTING ELECTRICAL LINE	---



D:\Lameez\LA-23CR04 Makhanda Grahamstown\Working\AutoCad\2023-10-30-Makhanda Road Layout new.dwg | FAZEL | 2023/11/14 09:36:55

<p>GENERAL NOTES</p>	<p>REVISIONS / AMENDMENTS</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>RWVD</th> <th>APPD</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>30/10/2023</td> <td>ISSUED FOR PRELIM USE ONLY</td> <td>B.L.</td> <td>G.P.</td> </tr> </tbody> </table>	No.	DATE	DESCRIPTION	RWVD	APPD	0	30/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.	<p>COPYRIGHT NOTES</p> <p>Copyright of all documents prepared by LA Consulting Engineers (PTY) Ltd in accordance with the relevant provisions of the copyright Act (Act 98 of 1978) relating to Project shall be vested in LA Consulting Engineers (PTY) Ltd. The Employer shall be entitled to use the documents or copy them only for the purposes for which they are intended in regard to the Project and need not obtain LA Consulting Engineers (PTY) Ltd permission to copy for such use. Where copyright is vested in the Employer in terms of the Contract, LA Consulting Engineers (PTY) Ltd shall not be liable in any way for the use of any of the information other than as originally intended for the Project and the Employer hereby indemnifies the Service Provider against any claim which may be made against him by any party arising from the use of such documentation for other purposes. The ownership of data and factual information collected by LA Consulting Engineers (PTY) Ltd and paid for by the Employer shall, after payment by the Employer, be with the Employer. The Employer shall have no right to use any documents prepared by LA Consulting Engineers (PTY) Ltd whilst the payment of any fees and expenses due to LA Consulting Engineers (PTY) Ltd in terms of the Contract is overdue.</p>	<p>OPT PRIORITY No. N/A</p> <p>MASTER PRIORITY No. N/A</p> <p>TOWN AREA</p>	<p>FUNDING AGENT</p>	<p>CLIENT</p> <p>Sarah Baartman DISTRICT MUNICIPALITY Province of the Eastern Cape <i>progress through development</i></p> <p>SARAH BAARTMAN MUNICIPALITY</p>	<p>DRAWING DESCRIPTION</p> <p>MAKHANDA: LAYOUT PLANS</p>	<p>SERVICE PROVIDER</p> <p>LIFE AFRICA CHANGING LIVES BUILT ENVIRONMENT PROFESSIONALS</p>
No.	DATE	DESCRIPTION	RWVD	APPD													
0	30/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.													
		<p>ROAD NAME: NCAME STREET</p> <p>WARD No.: N/A</p>		<p>DRAWN: L.L. DATE: 30/10/2023</p> <p>CHECKED: B.L. DATE: 30/10/2023</p> <p>REVIEWED: B.L. DATE: 30/10/2023</p> <p>APPROVED: G.P. DATE: 30/10/2023</p>		<p>PROJECT: REHABILITATION OF M STREET & ALBERT ROAD IN MAKHANDA, MAKANA LOCAL MUNICIPALITY</p>		<p>SCALE: 1: 500</p> <p>SHEET REF: 5 OF 5</p> <p>SHEET SIZE: A1</p> <p>DRAWING No.: 23CR04-04-02-03-006</p> <p>REV No.: 0</p>									
				<p>DRAWING STATUS: FOR TENDER PURPOSES</p>													

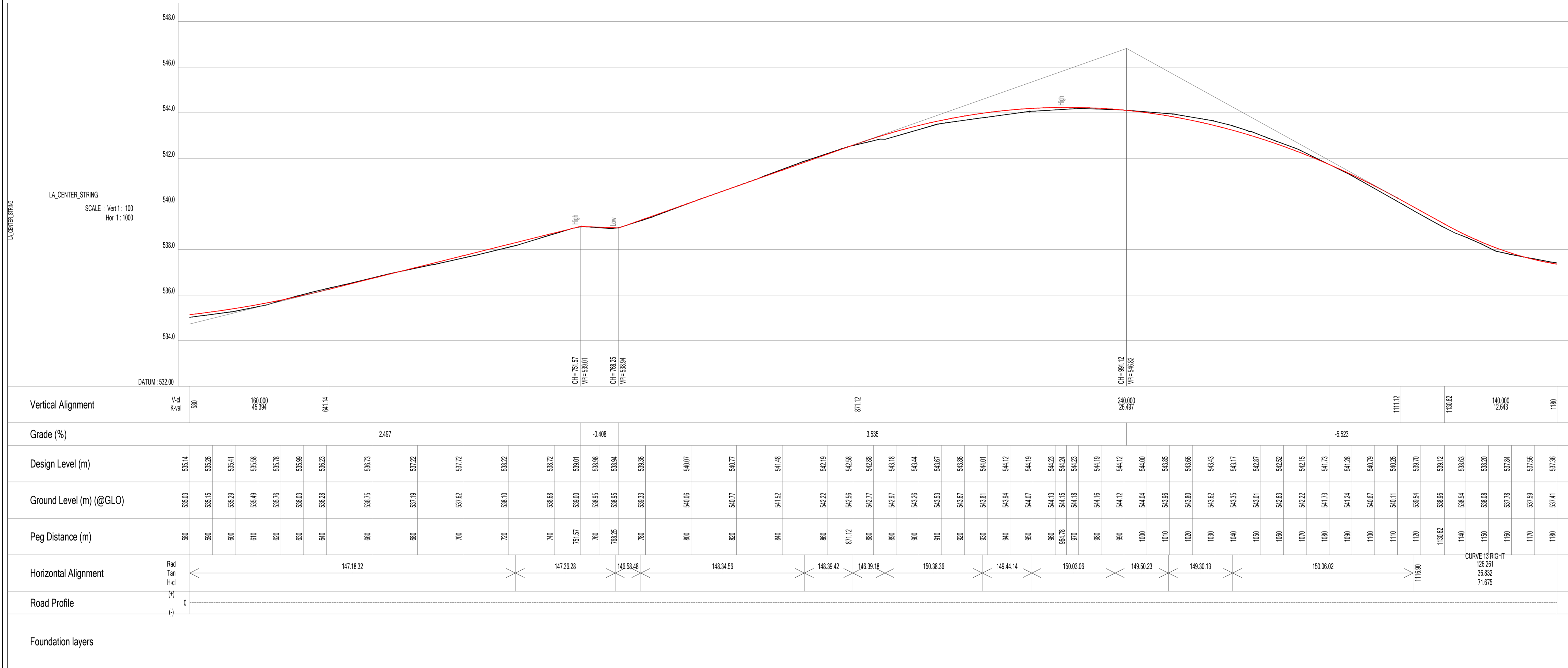


PROJECT LOCALITY PLAN LAYOUT

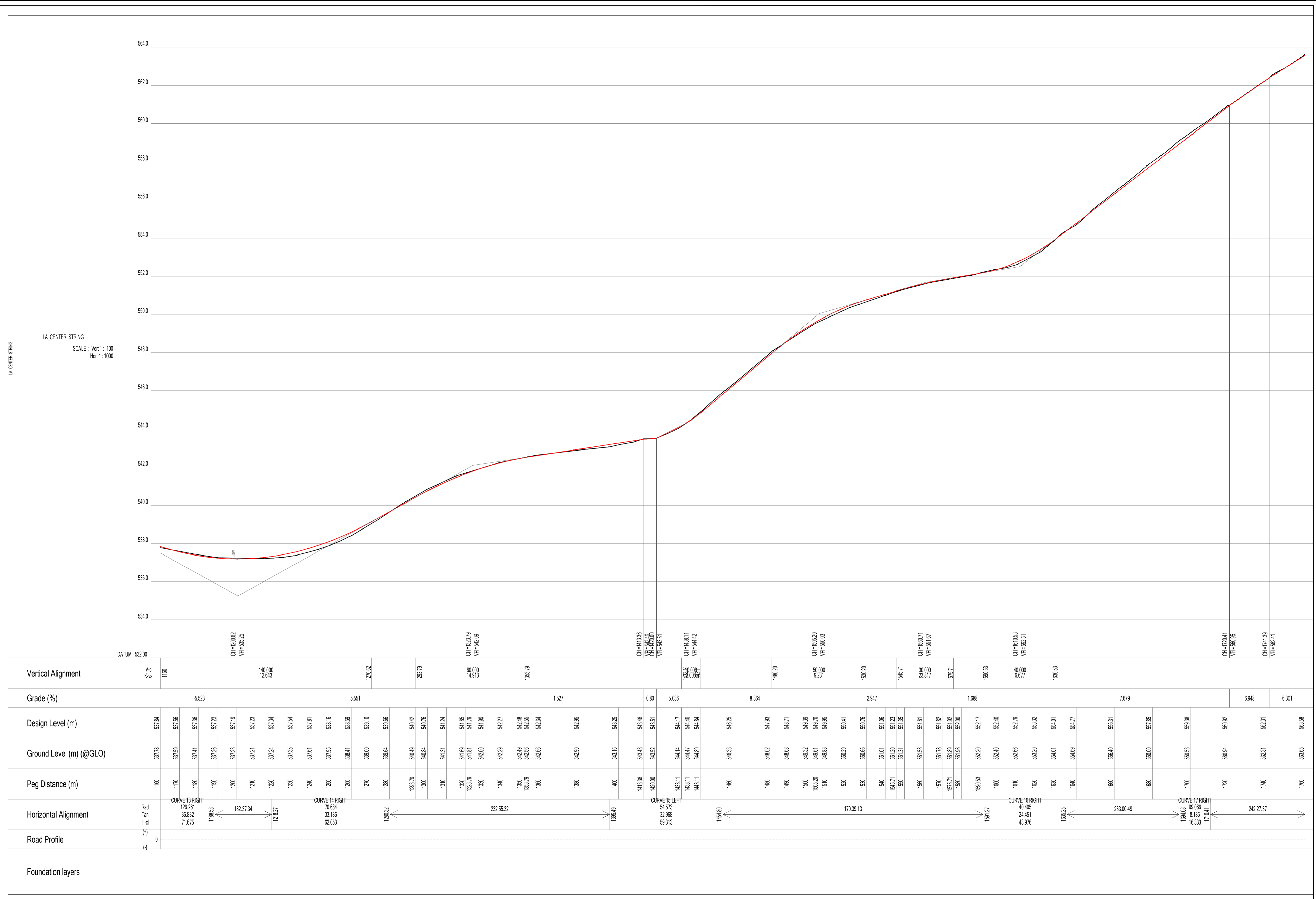
LEGEND / DESCRIPTION



<p>GENERAL NOTES</p>	<p>REVISIONS / AMENDMENTS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>RWVD</th> <th>APPD</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>23/10/2023</td> <td>ISSUED FOR PRELIM USE ONLY</td> <td>B.L.</td> <td>G.P.</td> </tr> </tbody> </table>	No.	DATE	DESCRIPTION	RWVD	APPD	0	23/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.	<p>COPYRIGHT NOTES</p> <p>Copyright of all documents prepared by LA Consulting Engineers (PTY) Ltd in accordance with the relevant provisions of the copyright Act (Act 98 of 1978) relating to Project shall be vested in LA Consulting Engineers (PTY) Ltd. The Employer shall be entitled to use the documents or copy them only for the purposes for which they are intended in regard to the Project and need not obtain LA Consulting Engineers (PTY) Ltd permission to copy for such use. Where copyright is vested in the Employer in terms of the Contract, LA Consulting Engineers (PTY) Ltd shall not be liable in any way for the use of any of the information other than as originally intended for the Project and the Employer hereby indemnifies the Service Provider against any claim which may be made against him by any party arising from the use of such documentation for other purposes. The ownership of data and factual information collected by LA Consulting Engineers (PTY) Ltd and paid for by the Employer shall, after payment by the Employer, be with the Employer. The Employer shall have no right to use any documents prepared by LA Consulting Engineers (PTY) Ltd whilst the payment of any fees and expenses due to LA Consulting Engineers (PTY) Ltd in terms of the Contract is overdue.</p>	<p>OPT PRIORITY No. N/A</p> <p>MASTER PRIORITY No. N/A</p> <p>TOWN AREA</p>	<p>ROAD NAME</p> <p>WARD No. N/A</p>
No.	DATE	DESCRIPTION	RWVD	APPD										
0	23/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.										
<p>FUNDING AGENT</p> <p>LL DATE 23/10/2023</p> <p>BL DATE 23/10/2023</p> <p>BL DATE 23/10/2023</p> <p>G.P. DATE 23/10/2023</p> <p>DRAWING STATUS: FOR TENDER PURPOSES</p>		<p>CLIENT</p> <p>SARAH BAARTMAN MUNICIPALITY</p> <p>DISTRICT MUNICIPALITY Province of the Eastern Cape progress through development</p>		<p>DRAWING DESCRIPTION</p> <p>MAKHANDA: LONG SECTIONS</p>		<p>SERVICE PROVIDER</p> <p>LIFE AFRICA CHANGING LIVES BUILT ENVIRONMENT PROFESSIONALS</p> <p>Unit 11 First Floor, Eastco Office Park, 36-38 Riebeeck Street, Grahamstown, 6201</p>								
<p>SCALE: 1: 1</p> <p>DRAWING No. 23CR04-04-02-03-100</p>		<p>SHEET REF: 1 OF 8</p> <p>REVISION No. 0</p>		<p>SHEET SIZE: A1</p>										




<p>GENERAL NOTES</p> <p>Copyright of all documents prepared by LA Consulting Engineers (PTY) Ltd in accordance with the relevant provisions of the copyright Act (Act 98 of 1978) relating to Project shall be vested in LA Consulting Engineers (PTY) Ltd. The Employer shall be entitled to use the documents or copy them only for the purposes for which they are intended in regard to the Project and need not obtain LA Consulting Engineers (PTY) Ltd permission to copy for such use. Where copyright is vested in the Employer in terms of the Contract, LA Consulting Engineers (PTY) Ltd shall not be liable in any way for the use of any of the information other than as originally intended for the Project and the Employer hereby indemnifies the Service Provider against any claim which may be made against him by any party arising from the use of such documentation for other purposes. The ownership of data and factual information collected by LA Consulting Engineers (PTY) Ltd and paid for by the Employer shall, after payment by the Employer, be with the Employer. The Employer shall have no right to use any documents prepared by LA Consulting Engineers (PTY) Ltd whilst the payment of any fees and expenses due to LA Consulting Engineers (PTY) Ltd in terms of the Contract is overdue.</p>	<p>REVISIONS / AMENDMENTS</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>RWVD</th> <th>APPD</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>23/10/2023</td> <td>ISSUED FOR PRELIM USE ONLY</td> <td>B.L.</td> <td>G.P.</td> </tr> </tbody> </table>	No.	DATE	DESCRIPTION	RWVD	APPD	0	23/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.	<p>COPYRIGHT NOTES</p> <p>Copyright of all documents prepared by LA Consulting Engineers (PTY) Ltd in accordance with the relevant provisions of the copyright Act (Act 98 of 1978) relating to Project shall be vested in LA Consulting Engineers (PTY) Ltd. The Employer shall be entitled to use the documents or copy them only for the purposes for which they are intended in regard to the Project and need not obtain LA Consulting Engineers (PTY) Ltd permission to copy for such use. Where copyright is vested in the Employer in terms of the Contract, LA Consulting Engineers (PTY) Ltd shall not be liable in any way for the use of any of the information other than as originally intended for the Project and the Employer hereby indemnifies the Service Provider against any claim which may be made against him by any party arising from the use of such documentation for other purposes. The ownership of data and factual information collected by LA Consulting Engineers (PTY) Ltd and paid for by the Employer shall, after payment by the Employer, be with the Employer. The Employer shall have no right to use any documents prepared by LA Consulting Engineers (PTY) Ltd whilst the payment of any fees and expenses due to LA Consulting Engineers (PTY) Ltd in terms of the Contract is overdue.</p>	<p>OPT PRIORITY No. N/A</p> <p>MASTER PRIORITY No. N/A</p> <p>TOWN AREA</p>	<p>ROAD NAME</p> <p>WARD No. N/A</p>	<p>FUNDING AGENT</p> <p>LL B.L. B.L. G.P.</p> <p>DATE 23/10/2023 DATE 23/10/2023 DATE 23/10/2023 DATE 23/10/2023</p> <p>DRAWING STATUS</p> <p>FOR TENDER PURPOSES</p>	<p>CLIENT</p> <p>SARAH BAARTMAN MUNICIPALITY</p> <p>Province of the Eastern Cape progress through development</p>	<p>DRAWING DESCRIPTION</p> <p>MAKHANDA: LONG SECTIONS</p>	<p>SERVICE PROVIDER</p> <p>LIFE AFRICA CHANGING LIVES</p> <p>BUILT ENVIRONMENT PROFESSIONALS</p> <p>Unit 3 First Floor, Eastco Office Park, 36-38 Beaufort Street, Grahamstown, 6201</p>
No.	DATE	DESCRIPTION	RWVD	APPD														
0	23/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.														
<p>PROJECT</p> <p>REHABILITATION OF M STREET & ALBERT ROAD IN MAKHANDA, MAKANA LOCAL MUNICIPALITY</p>		<p>SCALE</p> <p>1: 1</p>		<p>SHEET REF</p> <p>2 OF 8</p>		<p>SHEET SIZE</p> <p>A1</p>		<p>DRAWING No.</p> <p>23CR04-04-02-03-101</p>		<p>REV No.</p> <p>0</p>								



PROJECT LOCALITY PLAN LAYOUT

LEGEND / DESCRIPTION


 NORTH

GENERAL NOTES

Copyright of all documents prepared by LA Consulting Engineers (PTY) Ltd in accordance with the relevant provisions of the copyright Act (Act 98 of 1978) relating to Project shall be vested in LA Consulting Engineers (PTY) Ltd. The Employer shall be entitled to use the documents or copy them only for the purposes for which they are intended in regard to the Project and need not obtain LA Consulting Engineers (PTY) Ltd permission to copy for such use. Where copyright is vested in the Employer in terms of the Contract, LA Consulting Engineers (PTY) Ltd shall not be liable in any way for the use of any of the information other than as originally intended for the Project and the Employer hereby indemnifies the Service Provider against any claim which may be made against him by any party arising from the use of such documentation for other purposes. The ownership of data and factual information collected by LA Consulting Engineers (PTY) Ltd and paid for by the Employer shall, after payment by the Employer, be with the Employer. The Employer shall have no right to use any documents prepared by LA Consulting Engineers (PTY) Ltd whilst the payment of any fees and expenses due to LA Consulting Engineers (PTY) Ltd in terms of the Contract is overdue.

REVISIONS / AMENDMENTS

No.	DATE	DESCRIPTION	RWD	APPD
0	23/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.

COPYRIGHT NOTES

Copyright of all documents prepared by LA Consulting Engineers (PTY) Ltd in accordance with the relevant provisions of the copyright Act (Act 98 of 1978) relating to Project shall be vested in LA Consulting Engineers (PTY) Ltd. The Employer shall be entitled to use the documents or copy them only for the purposes for which they are intended in regard to the Project and need not obtain LA Consulting Engineers (PTY) Ltd permission to copy for such use. Where copyright is vested in the Employer in terms of the Contract, LA Consulting Engineers (PTY) Ltd shall not be liable in any way for the use of any of the information other than as originally intended for the Project and the Employer hereby indemnifies the Service Provider against any claim which may be made against him by any party arising from the use of such documentation for other purposes. The ownership of data and factual information collected by LA Consulting Engineers (PTY) Ltd and paid for by the Employer shall, after payment by the Employer, be with the Employer. The Employer shall have no right to use any documents prepared by LA Consulting Engineers (PTY) Ltd whilst the payment of any fees and expenses due to LA Consulting Engineers (PTY) Ltd in terms of the Contract is overdue.

REVISIONS / AMENDMENTS

No.	DATE	DESCRIPTION	RWD	APPD
0	23/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.

DRAWING STATUS

FOR TENDER PURPOSES

CLIENT

SARAH BAARTMAN MUNICIPALITY

DISTRICT MUNICIPALITY
Province of the Eastern Cape
progress through development

DRAWING DESCRIPTION

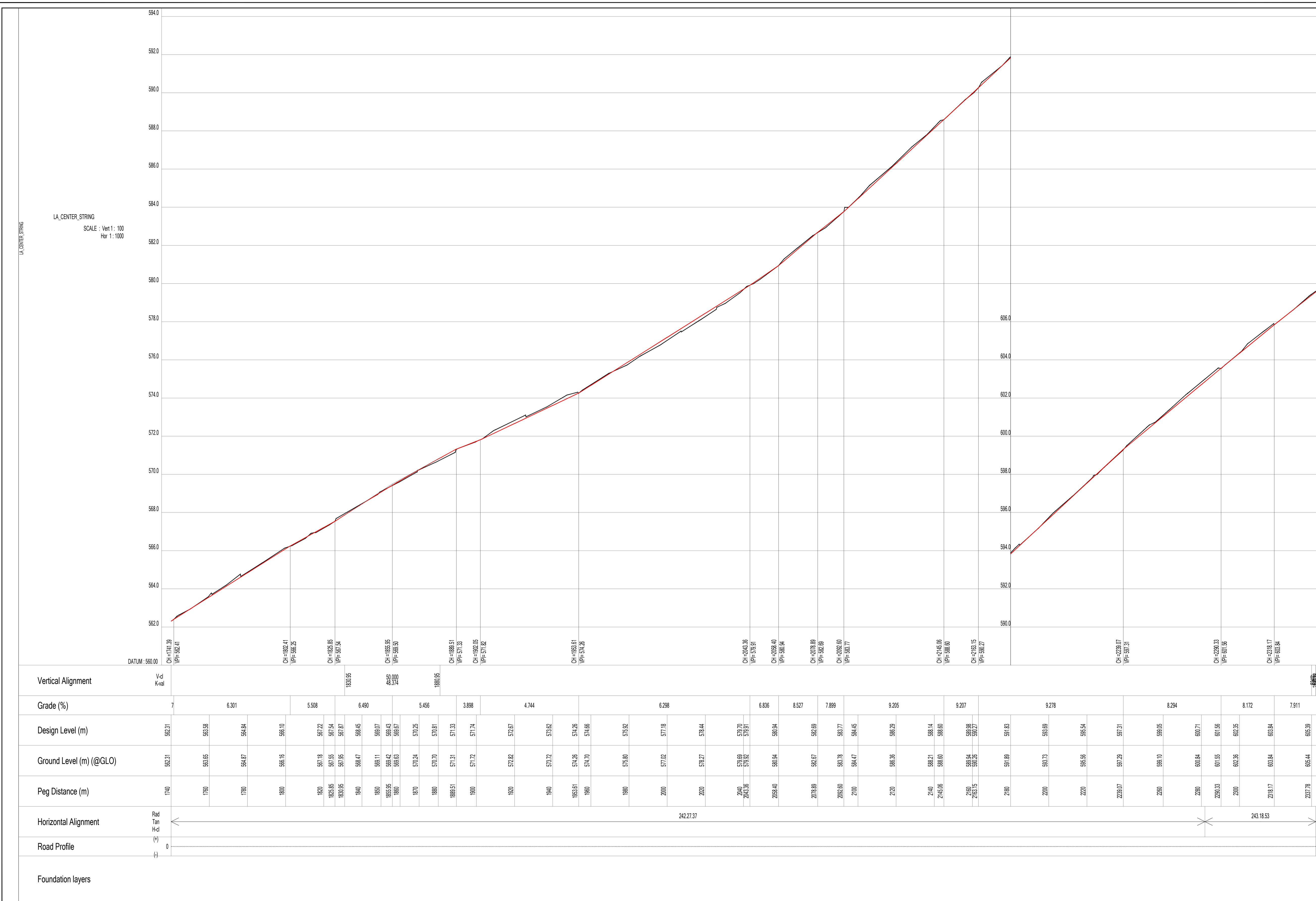
MAKHANDA: LONG SECTIONS

SERVICE PROVIDER

LIFE AFRICA
CHANGING LIVES
BUILT ENVIRONMENT PROFESSIONALS

Scale: 1:1
Sheet Ref: 3 OF 8
Sheet Size: A1

WARD No. N/A



PROJECT LOCALITY PLAN LAYOUT

LEGEND / DESCRIPTION

NORTH

Vertical Alignment	Vcl	Kval	Grade (%)	Design Level (m)	Ground Level (m) (@GLO)	Peg Distance (m)	Horizontal Alignment	Road Profile	Foundation layers
CH=1741.39	VP=582.41		7	582.31	582.31	1740			
CH=1802.41	VP=586.25		6.301	583.38	583.85	1780			
CH=1832.05	VP=587.54		5.508	584.84	584.87	1820			
CH=1833.95	VP=588.50		6.490	586.10	586.16	1860			
CH=1888.51	VP=571.33	1820.95	5.456	587.22	587.18	1900			
CH=1902.05	VP=571.82	4445	3.888	587.54	587.55	1940			
CH=1933.61	VP=574.26	524000	4.744	587.87	587.87	1980			
CH=2004.36	VP=579.91	1881.95	6.288	588.45	588.47	2020			
CH=2038.40	VP=580.94		6.836	589.07	589.11	2060	242.27.37		
CH=2078.88	VP=582.08		8.527	589.69	589.69	2100			
CH=2082.00	VP=581.71		7.899	590.29	590.29	2140			
CH=2145.05	VP=588.80		9.205	590.71	590.71	2180			
CH=2183.15	VP=590.27		9.207	591.83	591.83	2220			
CH=2239.07	VP=597.31		9.278	595.54	595.54	2260			
CH=2290.33	VP=601.56		8.294	597.31	597.29	2300			
CH=2318.17	VP=603.94		8.172	598.05	598.10	2340			
			7.911	600.71	600.84	2380			
				601.56	601.55	2420			
				602.35	602.35	2460			
				603.84	603.84	2500			
				605.44	605.44	2540			
				606.39	606.39	2580			

GENERAL NOTES

REVISIONS / AMENDMENTS

COPYRIGHT NOTES

CLIENT: SARAH BAARTMAN MUNICIPALITY

DRAWING DESCRIPTION: MAKHANDA: LONG SECTIONS

SERVICE PROVIDER: LIFE AFRICA CHANGING LIVES

PROJECT: REHABILITATION OF M STREET & ALBERT ROAD IN MAKHANDA, MAKANA LOCAL MUNICIPALITY

SCALE: 1:1

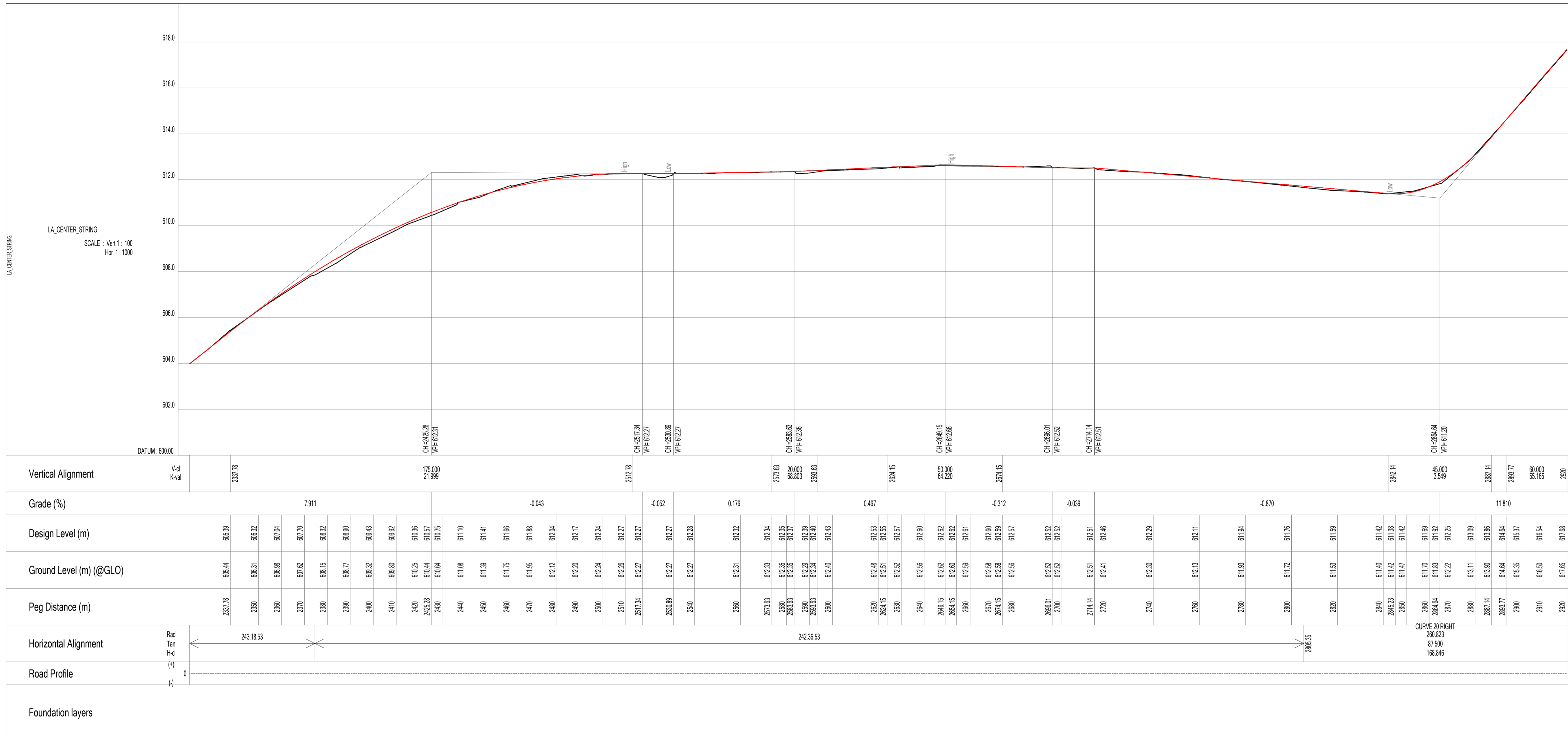
SHEET REF: 4 OF 8

SHEET SIZE: A1

DRAWING No.: 23CR04-04-02-03-103

REV No.: 0

DRAWING STATUS: FOR TENDER PURPOSES



PROJECT LOCALITY PLAN LAYOUT

LEGEND / DESCRIPTION



GENERAL NOTES

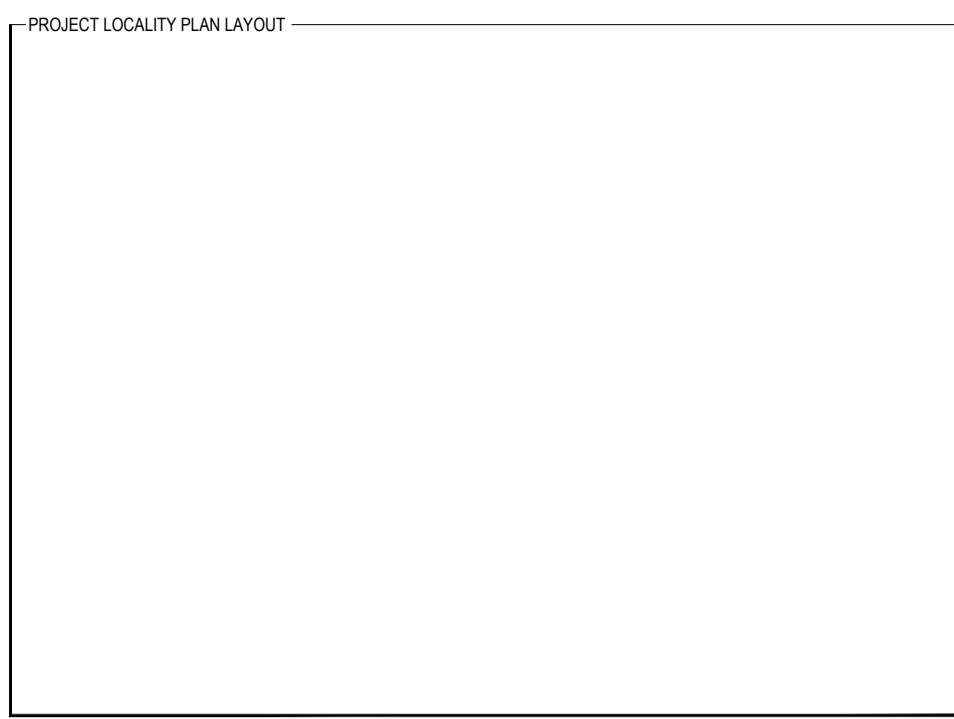
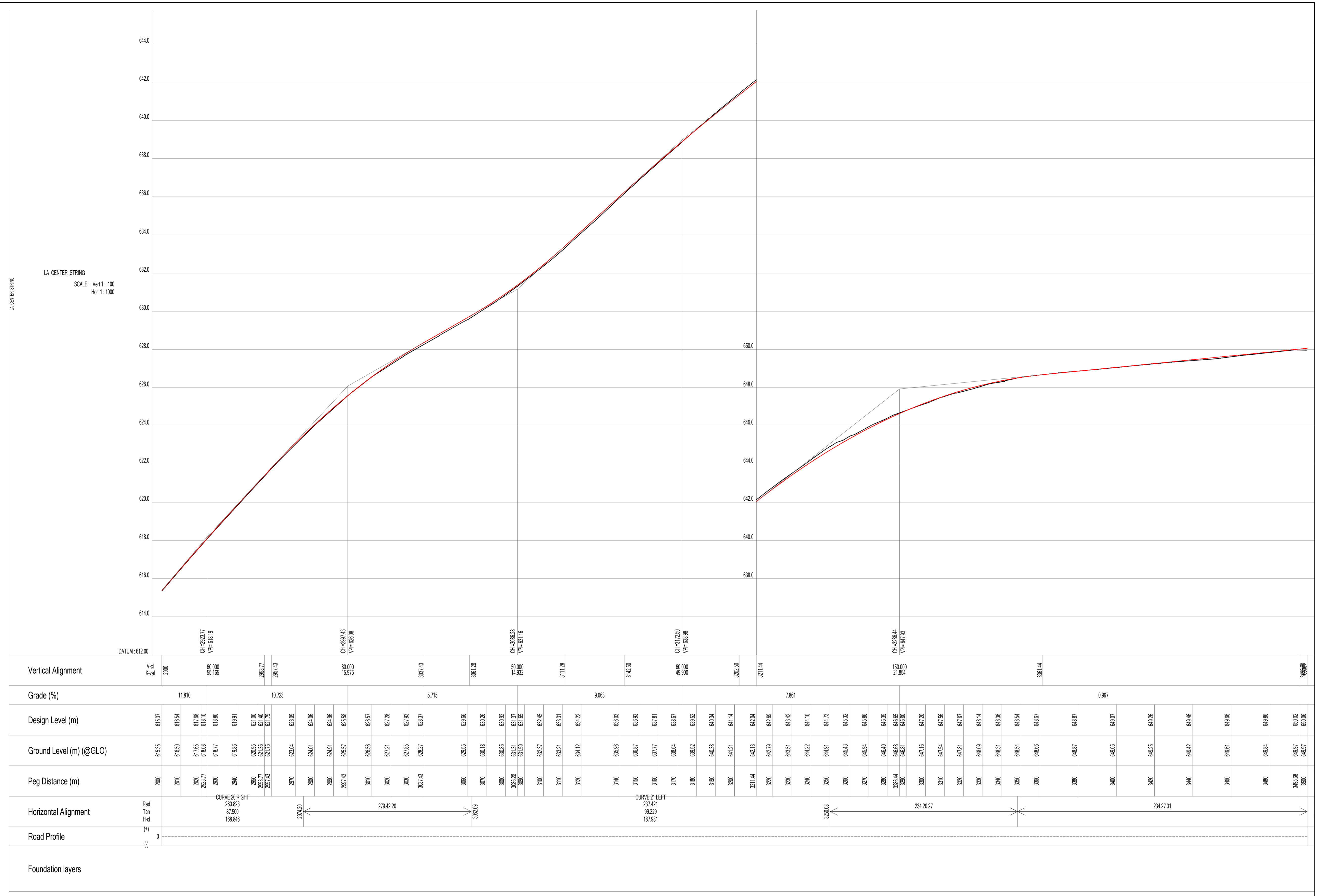
REVISIONS / AMENDMENTS

No.	DATE	DESCRIPTION	R/W/D	APP'D
0	23/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.

COPYRIGHT NOTES

Copyright of all documents prepared by LA Consulting Engineers (PTY) Ltd in accordance with the relevant provisions of the copyright Act (Act 98 of 1978) relating to Project shall be vested in LA Consulting Engineers (PTY) Ltd. The Employer shall be entitled to use the documents or copy them only for the purposes for which they are intended in regard to the Project and need not obtain LA Consulting Engineers (PTY) Ltd permission to copy for such use. Where copyright is vested in the Employer in terms of the Contract, LA Consulting Engineers (PTY) Ltd shall not be liable in any way for the use of any of such documentation for other purposes. The ownership of data and factual information collected by LA Consulting Engineers (PTY) Ltd and paid for by the Employer shall, after payment by the Employer, lie with the Employer. The Employer shall have no right to use any documents prepared by LA Consulting Engineers (PTY) Ltd whilst the payment of any fees and expenses due to LA Consulting Engineers (PTY) Ltd in terms of the Contract is overdue.

OPT PRIORITY No. N/A	MASTER PRIORITY No. N/A	TOWN AREA	ROAD NAME	WARD No. N/A
FUNDING AGENT		CLIENT		DRAWING DESCRIPTION
SARAH BAARTMAN MUNICIPALITY		SARAH BAARTMAN MUNICIPALITY		MAKHANDA: LONG SECTIONS
DRAWN: L.L.		CHECKED: B.L.		REVIEWED: B.L.
DATE: 23/10/2023		DATE: 23/10/2023		DATE: 23/10/2023
APPROVED: G.P.		DATE: 23/10/2023		
DRAWING STATUS		PROJECT		SCALE
FOR TENDER PURPOSES		REHABILITATION OF M STREET & ALBERT ROAD IN MAKHANDA, MAKANA LOCAL MUNICIPALITY		1:1
		SERVICE PROVIDER		SHEET REF
		LIFE AFRICA CHANGING LIVES BUILT ENVIRONMENT PROFESSIONALS		5 OF 8
		SCALE: 1:1		SHEET SIZE: A1
		DRAWING No. 23CR04-04-02-03-104		REV No. 0



LEGEND / DESCRIPTION

NORTH



GENERAL NOTES

COPYRIGHT NOTES

REVISIONS / AMENDMENTS

No.	DATE	DESCRIPTION	RWDO	APPD
0	23/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.

OPT PRIORITY No. N/A

MASTER PRIORITY No. N/A

TOWN AREA

ROAD NAME

WARD No. N/A

FUNDING AGENT

CLIENT: SARAH BAARTMAN MUNICIPALITY

DRAWING DESCRIPTION: MAKHANDA: LONG SECTIONS

SERVICE PROVIDER: LIFE AFRICA CHANGING LIVES BUILT ENVIRONMENT PROFESSIONALS

PROJECT: REHABILITATION OF M STREET & ALBERT ROAD IN MAKHANDA, MAKANA LOCAL MUNICIPALITY

SCALE: NTS

SHEET REF: 6 OF 8

SHEET SIZE: A1

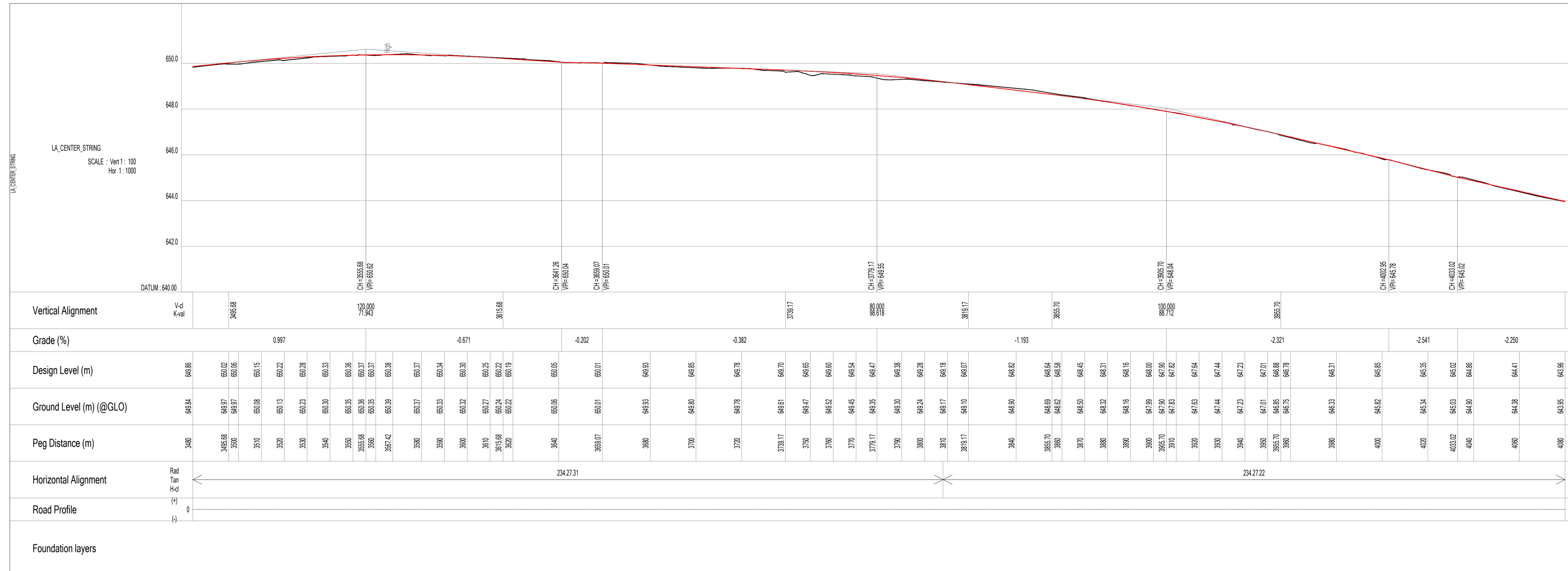
DRAWING No. 23CR04-04-02-03-105

REV No. 0

FOR TENDER PURPOSES

Copyright of all documents prepared by LA Consulting Engineers (PTY) Ltd in accordance with the relevant provisions of the copyright Act (Act 98 of 1978) relating to Project shall be vested in LA Consulting Engineers (PTY) Ltd. The Employer shall be entitled to use the documents or copy them only for the purposes for which they are intended in regard to the Project and need not obtain LA Consulting Engineers (PTY) Ltd permission to copy for such use. Where copyright is vested in the Employer in terms of the Contract, LA Consulting Engineers (PTY) Ltd shall not be liable in any way for the use of any of the information other than as originally intended for the Project and the Employer hereby indemnifies the Service Provider against any claim which may be made against him by any party arising from the use of such documentation for other purposes. The ownership of data and factual information collected by LA Consulting Engineers (PTY) Ltd and paid for by the Employer shall, after payment by the Employer, be with the Employer. The Employer shall have no right to use any documents prepared by LA Consulting Engineers (PTY) Ltd whilst the payment of any fees and expenses due to LA Consulting Engineers (PTY) Ltd in terms of the Contract is overdue.

DRAWN: L.L.
 CHECKED: B.L.
 REVIEWED: B.L.
 APPROVED: G.P.
 DATE: 23/10/2023
 DATE: 23/10/2023
 DATE: 23/10/2023
 DATE: 23/10/2023



GENERAL NOTES

REVISIONS / AMENDMENTS

No.	DATE	DESCRIPTION	RWD	APPD
0	23/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.

COPYRIGHT NOTES

Copyright of all documents prepared by LA Consulting Engineers (PTY) Ltd in accordance with the relevant provisions of the copyright Act (Act 98 of 1978) relating to Project shall be vested in LA Consulting Engineers (PTY) Ltd. The Employer shall be entitled to use the documents or copy them only for the purposes for which they are intended in regard to the Project and need not obtain LA Consulting Engineers (PTY) Ltd permission to copy for such use. Where copyright is vested in the Employer in terms of the Contract, LA Consulting Engineers (PTY) Ltd shall not be liable in any way for the use of any of the information other than as originally intended for the Project and the Employer hereby indemnifies the Service Provider against any claim which may be made against him by any party arising from the use of such documentation for other purposes. The ownership of data and factual information collected by LA Consulting Engineers (PTY) Ltd and paid for by the Employer shall, after payment by the Employer, be with the Employer. The Employer shall have no right to use any documents prepared by LA Consulting Engineers (PTY) Ltd whilst the payment of any fees and expenses due to LA Consulting Engineers (PTY) Ltd in terms of the Contract is overdue.

COPYRIGHT NOTES

Copyright of all documents prepared by LA Consulting Engineers (PTY) Ltd in accordance with the relevant provisions of the copyright Act (Act 98 of 1978) relating to Project shall be vested in LA Consulting Engineers (PTY) Ltd. The Employer shall be entitled to use the documents or copy them only for the purposes for which they are intended in regard to the Project and need not obtain LA Consulting Engineers (PTY) Ltd permission to copy for such use. Where copyright is vested in the Employer in terms of the Contract, LA Consulting Engineers (PTY) Ltd shall not be liable in any way for the use of any of the information other than as originally intended for the Project and the Employer hereby indemnifies the Service Provider against any claim which may be made against him by any party arising from the use of such documentation for other purposes. The ownership of data and factual information collected by LA Consulting Engineers (PTY) Ltd and paid for by the Employer shall, after payment by the Employer, be with the Employer. The Employer shall have no right to use any documents prepared by LA Consulting Engineers (PTY) Ltd whilst the payment of any fees and expenses due to LA Consulting Engineers (PTY) Ltd in terms of the Contract is overdue.

REVISIONS / AMENDMENTS

No.	DATE	DESCRIPTION	RWD	APPD
0	23/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.

FOR TENDER PURPOSES

SARAH BAARTMAN MUNICIPALITY
DISTRICT MUNICIPALITY
Province of the Eastern Cape
progress through development

REHABILITATION OF M STREET & ALBERT ROAD IN MAKHANDA, MAKANA LOCAL MUNICIPALITY

MAKHANDA: LONG SECTIONS

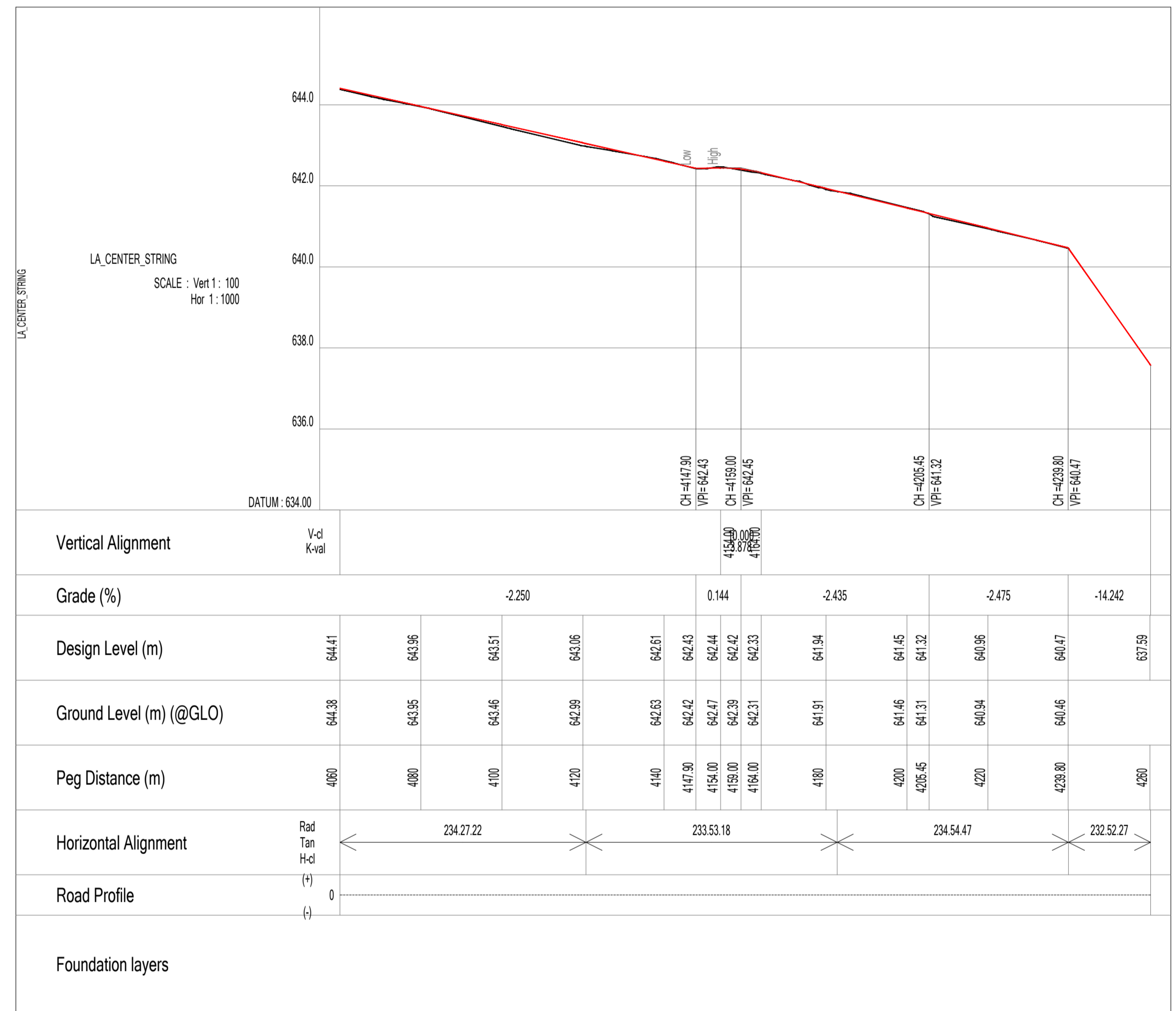
SARAH BAARTMAN MUNICIPALITY

LIFE AFRICA
CHANGING LIVES
BUILT ENVIRONMENT PROFESSIONALS

REVISIONS / AMENDMENTS


No.	DATE	DESCRIPTION	RWD	APPD
0	23/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.

FOR TENDER PURPOSES





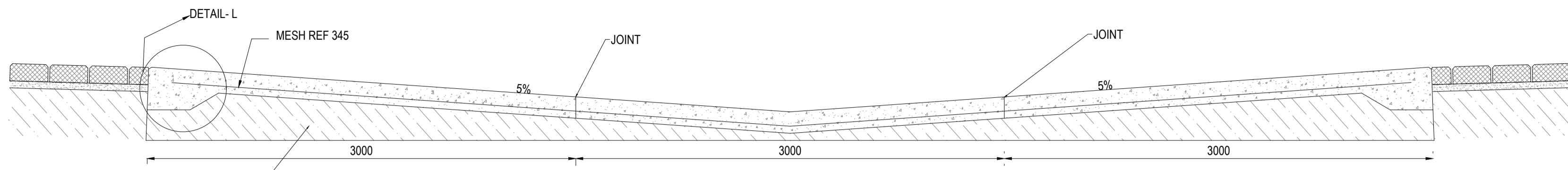
PROJECT LOCALITY PLAN LAYOUT

LEGEND / DESCRIPTION


 NORTH

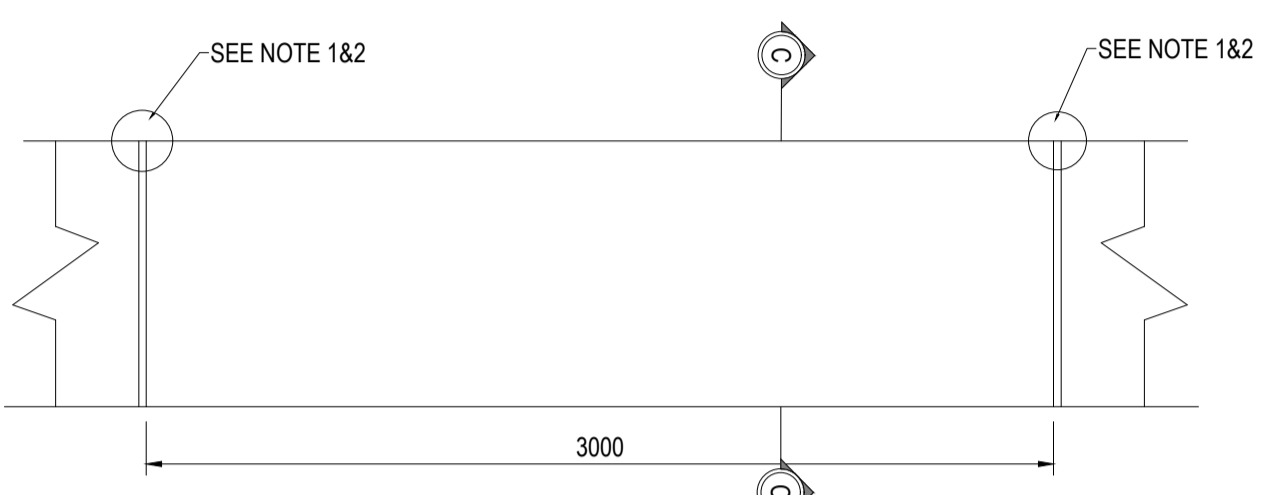
GENERAL NOTES	REVISIONS / AMENDMENTS	COPYRIGHT NOTES										
	<table border="1"> <thead> <tr> <th>No.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>RWWD</th> <th>APPD</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>23/10/2023</td> <td>ISSUED FOR PRELIM USE ONLY</td> <td>B.L.</td> <td>G.P.</td> </tr> </tbody> </table>	No.	DATE	DESCRIPTION	RWWD	APPD	0	23/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.	<p>Copyright of all documents prepared by LA Consulting Engineers (PTY) Ltd in accordance with the relevant provisions of the copyright Act (Act 98 of 1978) relating to Project shall be vested in LA Consulting Engineers (PTY) Ltd. The Employer shall be entitled to use the documents or copy them only for the purposes for which they are intended in regard to the Project and need not obtain LA Consulting Engineers (PTY) Ltd permission to copy for such use. Where copyright is vested in the Employer in terms of the Contract, LA Consulting Engineers (PTY) Ltd shall not be liable in any way for the use of any of the information other than as originally intended for the Project and the Employer hereby indemnifies the Service Provider against any claim which may be made against him by any party arising from the use of such documentation for other purposes. The ownership of data and factual information collected by LA Consulting Engineers (PTY) Ltd and paid for by the Employer shall, after payment by the Employer, lie with the Employer. The Employer shall have no right to use any documents prepared by LA Consulting Engineers (PTY) Ltd whilst the payment of any fees and expenses due to LA Consulting Engineers (PTY) Ltd in terms of the Contract is overdue.</p>
No.	DATE	DESCRIPTION	RWWD	APPD								
0	23/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.								

OPT PRIORITY No. N/A	MASTER PRIORITY No. N/A	TOWN AREA	ROAD NAME	WARD No. N/A
FUNDING AGENT		CLIENT  SARAH BAARTMAN MUNICIPALITY		SERVICE PROVIDER  LIFE AFRICA CHANGING LIVES BUILT ENVIRONMENT PROFESSIONALS
DRAWING DESCRIPTION MAKHANDA: LONG SECTIONS		PROJECT REHABILITATION OF M STREET & ALBERT ROAD IN MAKHANDA, MAKANA LOCAL MUNICIPALITY		
DRAWING STATUS FOR TENDER PURPOSES		SCALE NTS	SHEET REF 8 OF 8	SHEET SIZE A1
		DRAWING No. 23CR04-04-02-03-107	REV No. 0	

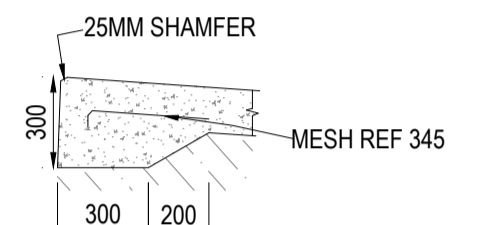


SECTION C-C - CONCRETE DRIFT
(SCALE - 1:25)

- NOTES:**
1. CLASS 25/19 CONCRETE WITH JOINTS EVERY 3m, CAST IN ALTERNATIVE SECTIONS, WITH A WOOD FLOATED FINISH.
 2. JOINT SEALER SHALL BE PRE-MOULDED STRIPS OF PREFORMED NEOPRENE COMPRESSED SEAL, INSERTED WITH A SPECIAL TOOL AND LUBRICANT ADHESIVE INTO JOINTS OF ALTERNATIVE APPROVED SEALANT.
 3. MESH REF 345 TO BE PLACED IN THE MIDDLE.

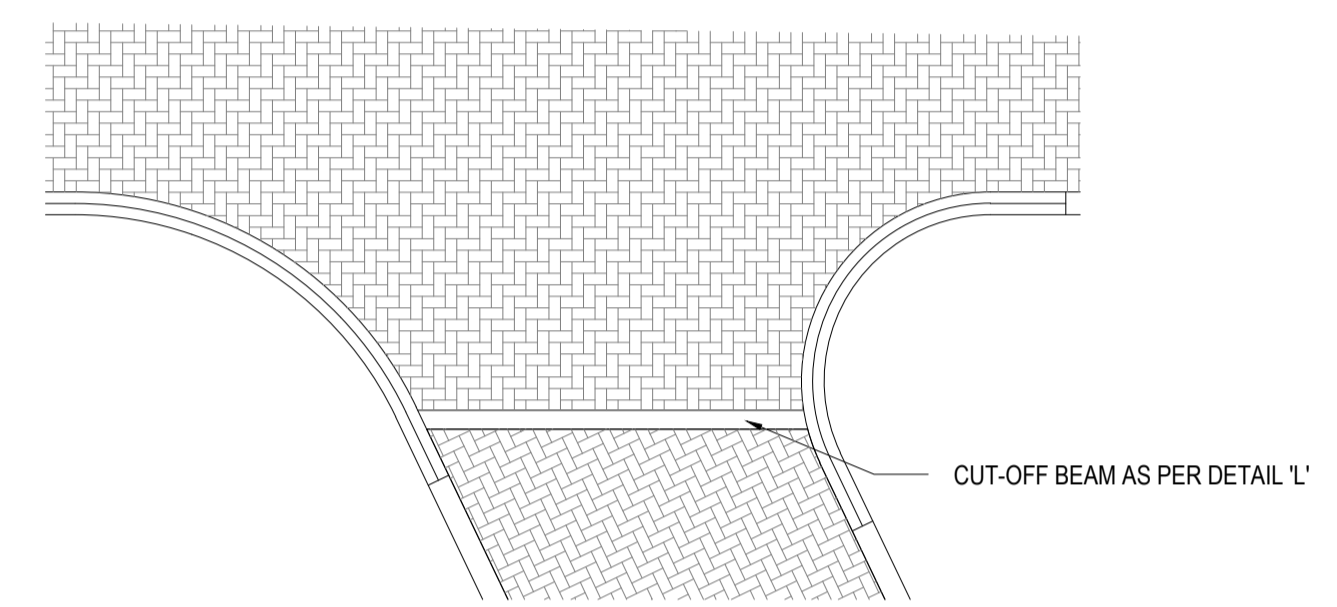


DETAIL K - CONCRETE DRIFT PLAN VIEW
(SCALE - 1:25)

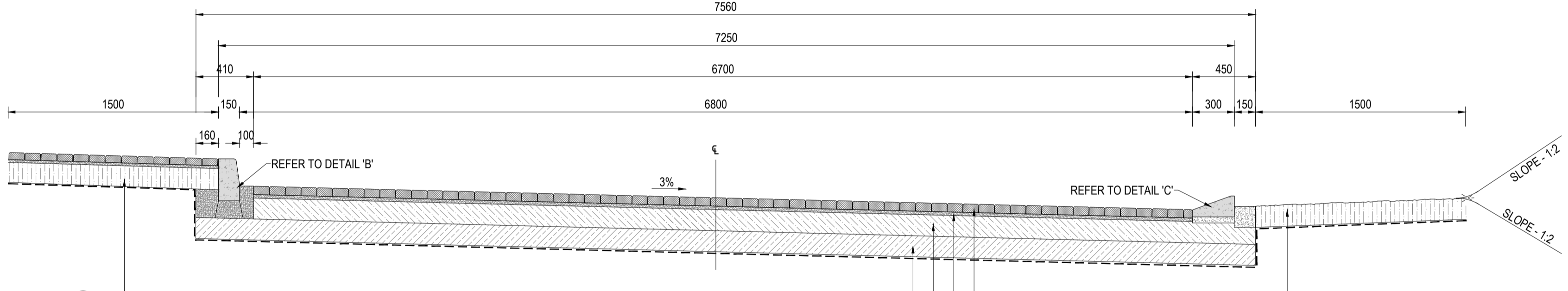


DETAIL L
(SCALE - 1:25)

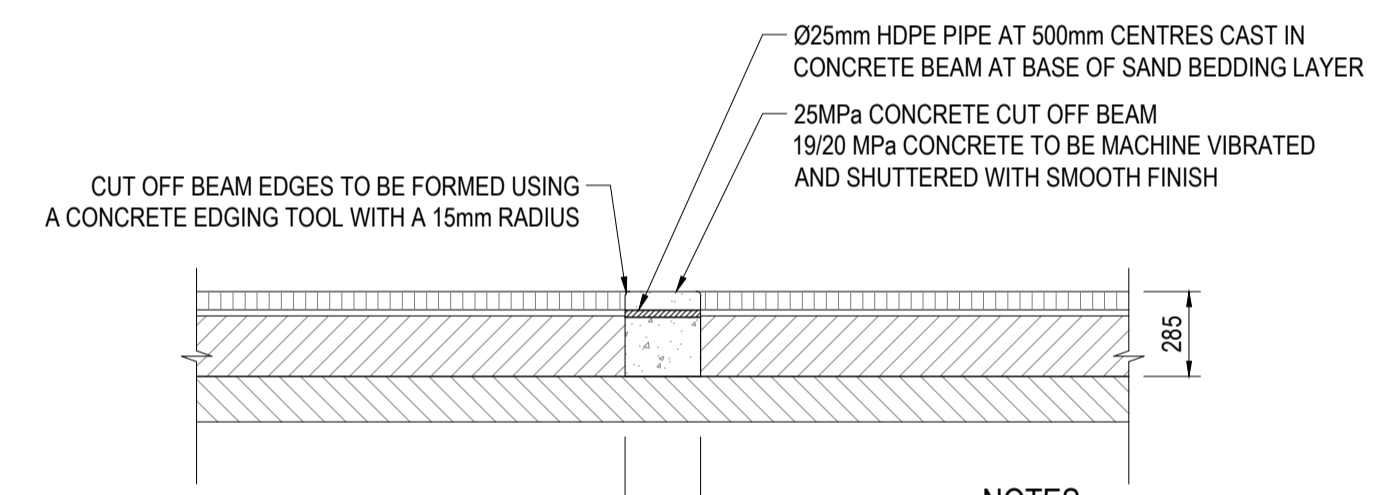
MATERIAL REQUIREMENTS		
LAYER NO.	LOCATION	DESCRIPTION
1	ROAD SURFACE	80mm 40/2.6 TYPE S-A INTERLOCKING CEMENT BRICK PAVERS (GREY) LAID AND VIBRATED INTO PLACE. VOIDS TO BE FILLED BY MEANS OF BROOMING IN FINE SAND AND COMPACTED AS PER PSM35 PROJECT SPECIFICATION
2	SAND	25mm SAND BEDDING
3	BASE	150mm THICK G2 FROM COMMERCIAL SOURCES AND COMPACTED TO 97% MOD AASHTO DENSITY
4	ROAD BED PREP	RIP AND RECOMPACT 150mm THICK TO 95% AASHTO DENSITY
5	SIDEWALK SURFACE	150mm THICK G2 DERIVED FROM EXISTING LAYER WORKS OR FROM COMMERCIAL SOURCES AND COMPACTED TO 95% MOD AASHTO DENSITY TO MAXIMUM 1500mm BEHIND KERB



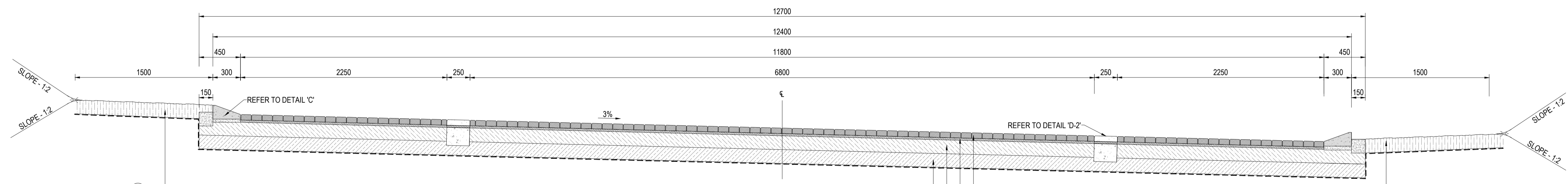
CHANGE IN PAVING PATTERN ORIENTATION
(SCALE - 1:100)



**TYPICAL ROAD CROSS SECTION:
DETAIL 'E': STREET WIDTH 6.8m
(WITH FIG.8a MOUNTABLE KERB, PAVED SHOULDER)**
(SCALE - 1:25)



DETAIL 'D-2': SECTION B-B OF CUT-OFF BEAM
(SCALE - 1:25)

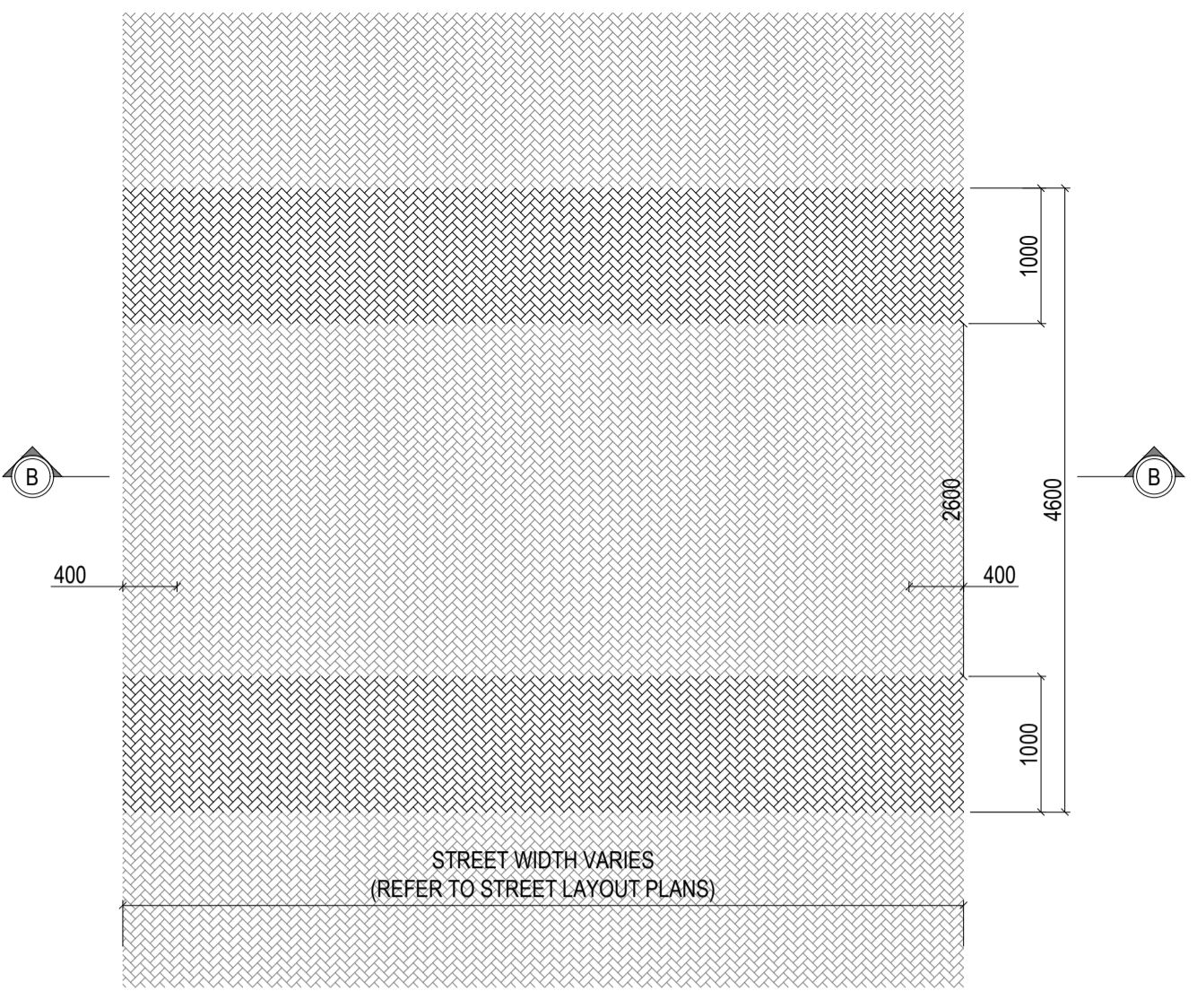


**TYPICAL ROAD CROSS SECTION:
DETAIL 'E': STREET WIDTH 6.8m (WITH FIG.8a MOUNTABLE
KERB, & BUS BAY & GRAVEL SHOULDER)**
(SCALE - 1:50)

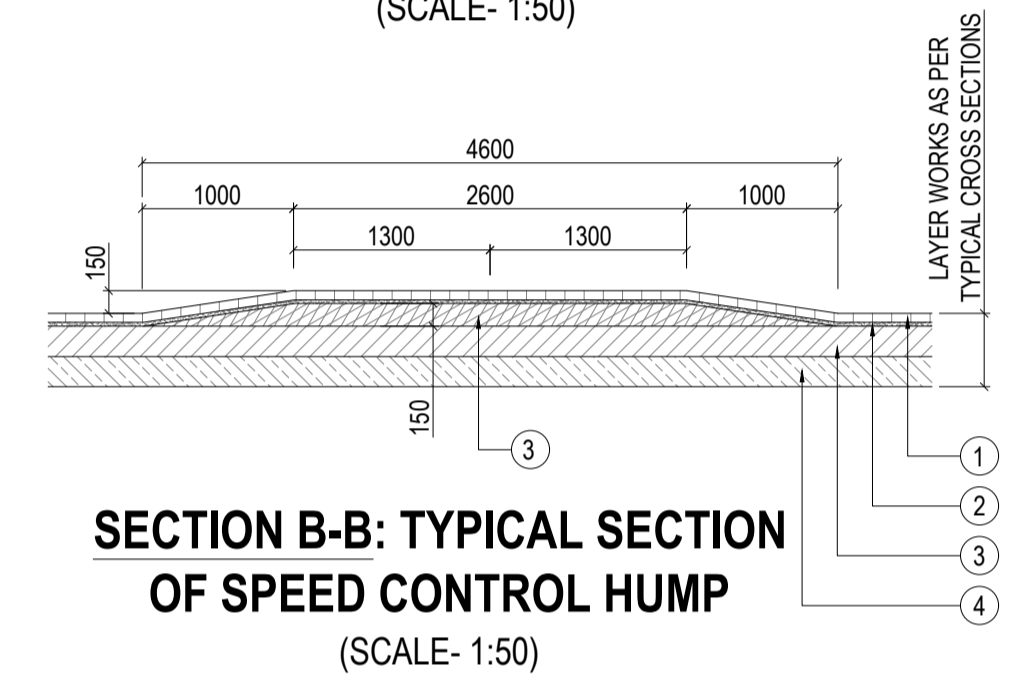


D:\lameez\LA-23CR04 Makhandas Grahamstown\Working\AutoCad\2023-10-30-Makhandas Road Layout new.dwg | FAZEL | 2023/11/14 09:38:42

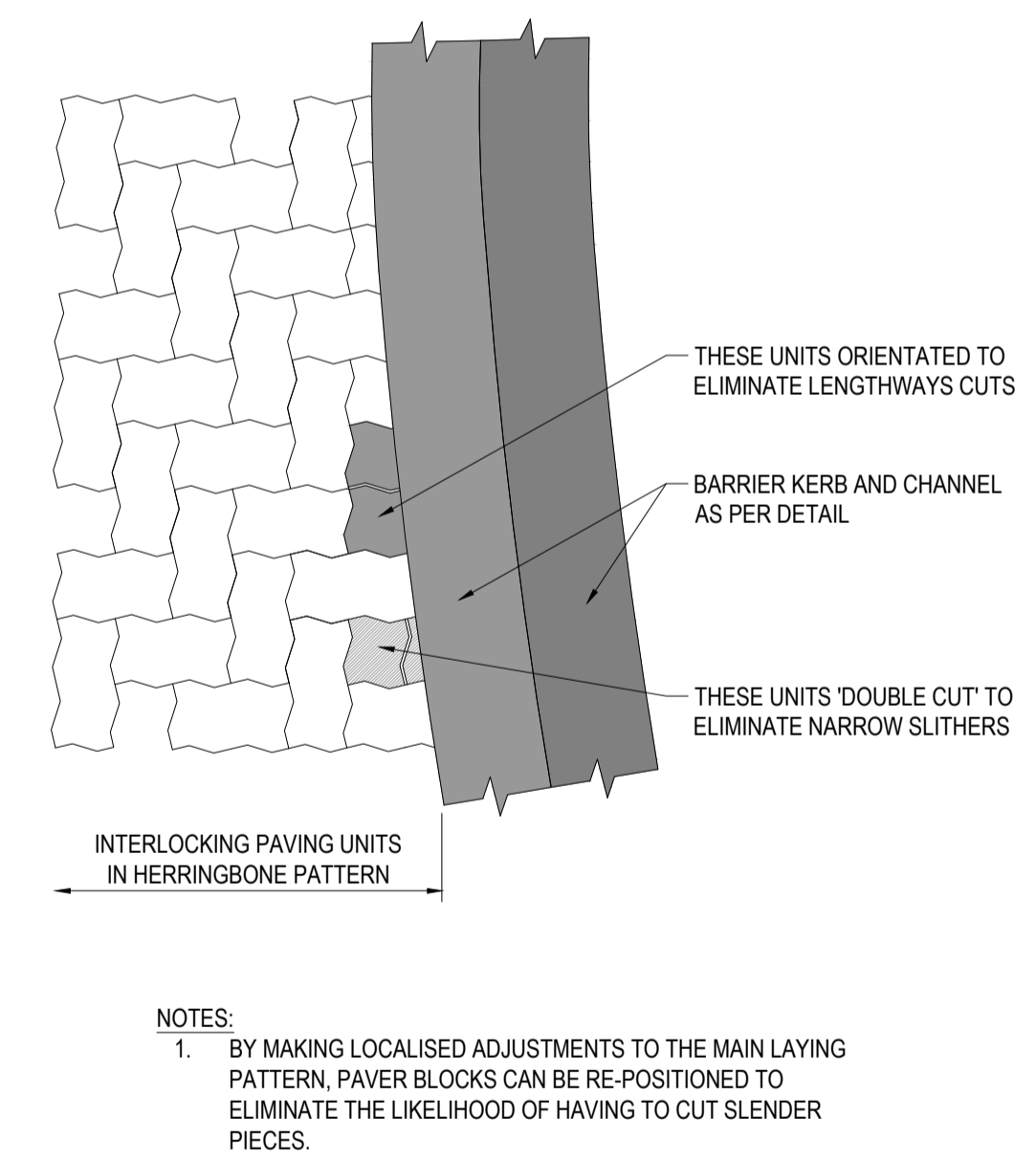
<p>OPT PRIORITY No. N/A</p> <p>MASTER PRIORITY No. N/A</p> <p>TOWN AREA</p>		<p>ROAD NAME: NCAHE STREET</p> <p>WARD No. N/A</p>											
<p>GENERAL NOTES</p>		<p>REVISIONS / AMENDMENTS</p> <table border="1"> <thead> <tr> <th>No.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>RWTD</th> <th>APPD</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>30/10/2023</td> <td>ISSUED FOR PRELIM USE ONLY</td> <td>B.L.</td> <td>G.P.</td> </tr> </tbody> </table>		No.	DATE	DESCRIPTION	RWTD	APPD	0	30/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.
No.	DATE	DESCRIPTION	RWTD	APPD									
0	30/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.									
<p>COPYRIGHT NOTES</p> <p>Copyright of all documents prepared by LA Consulting Engineers (PTY) Ltd in accordance with the relevant provisions of the copyright Act (Act 98 of 1978) relating to Project shall be vested in LA Consulting Engineers (PTY) Ltd. The Employer shall be entitled to use the documents or copy them only for the purposes for which they are intended in regard to the Project and need not obtain LA Consulting Engineers (PTY) Ltd permission to copy for such use. Where copyright is vested in the Employer in terms of the Contract, LA Consulting Engineers (PTY) Ltd shall not be liable in any way for the use of any of the information other than as originally intended for the Project and the Employer hereby indemnifies the Service Provider against any claim which may be made against him by any party arising from the use of such documentation for other purposes. The ownership of data and factual information collected by LA Consulting Engineers (PTY) Ltd and paid for by the Employer shall, after payment by the Employer, be with the Employer. The Employer shall have no right to use any documents prepared by LA Consulting Engineers (PTY) Ltd without the payment of any fees and expenses due to LA Consulting Engineers (PTY) Ltd in terms of the Contract is overdue.</p>		<p>CLIENT: SARAH BAARTMAN MUNICIPALITY</p> <p>PROJECT: REHABILITATION OF M STREET & ALBERT ROAD IN MAKHANDA, MAKANA LOCAL MUNICIPALITY</p>											
<p>DRAWING STATUS: FOR TENDER PURPOSES</p>		<p>SCALE: AS SHOWN</p> <p>SHEET REF: 1 OF 3</p> <p>SHEET SIZE: A1</p> <p>DRAWING No.: 23CR04-04-02-03-200</p> <p>REV No.: 0</p>											



DETAIL B : TYPICAL PLAN OF SPEED CONTROL HUMP (SCALE- 1:50)



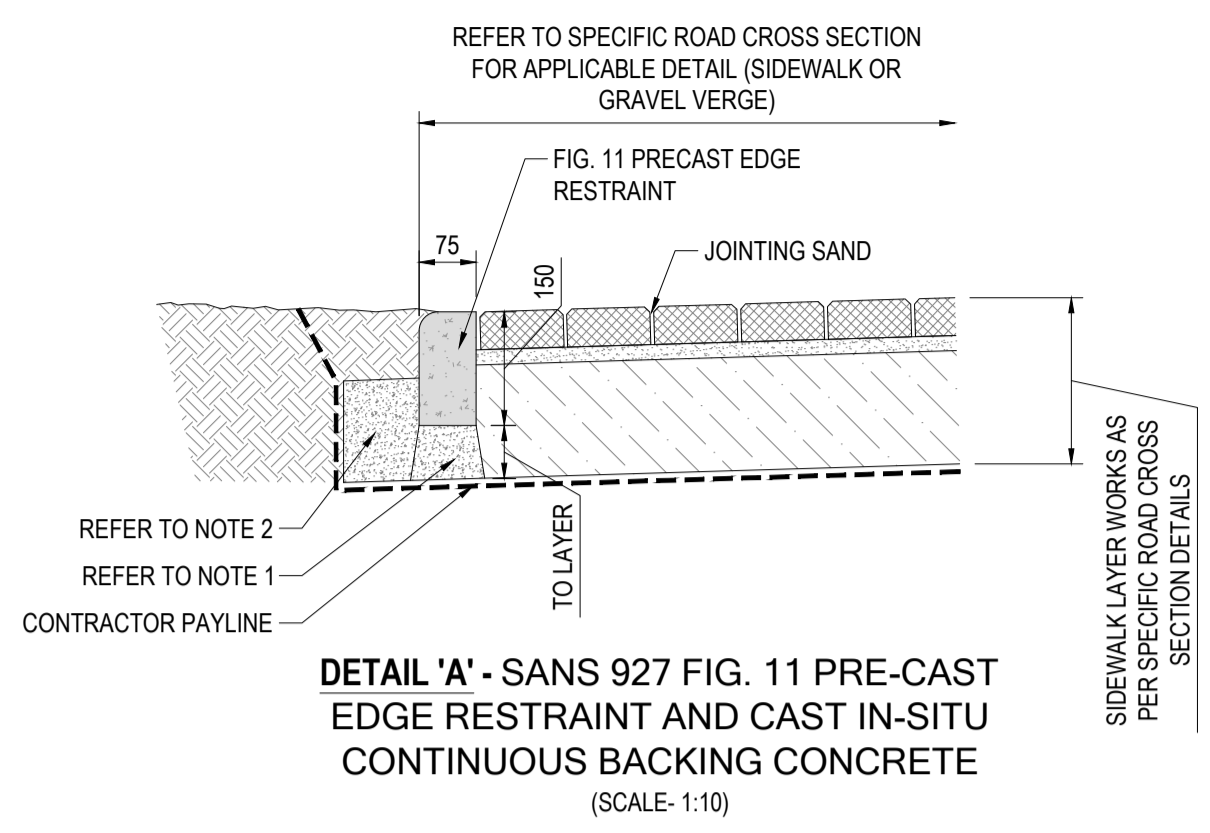
SECTION B-B: TYPICAL SECTION OF SPEED CONTROL HUMP (SCALE- 1:50)



NOTES:

- BY MAKING LOCALISED ADJUSTMENTS TO THE MAIN LAYING PATTERN, PAVER BLOCKS CAN BE RE-POSITIONED TO ELIMINATE THE LIKELIHOOD OF HAVING TO CUT SLENDER PIECES.

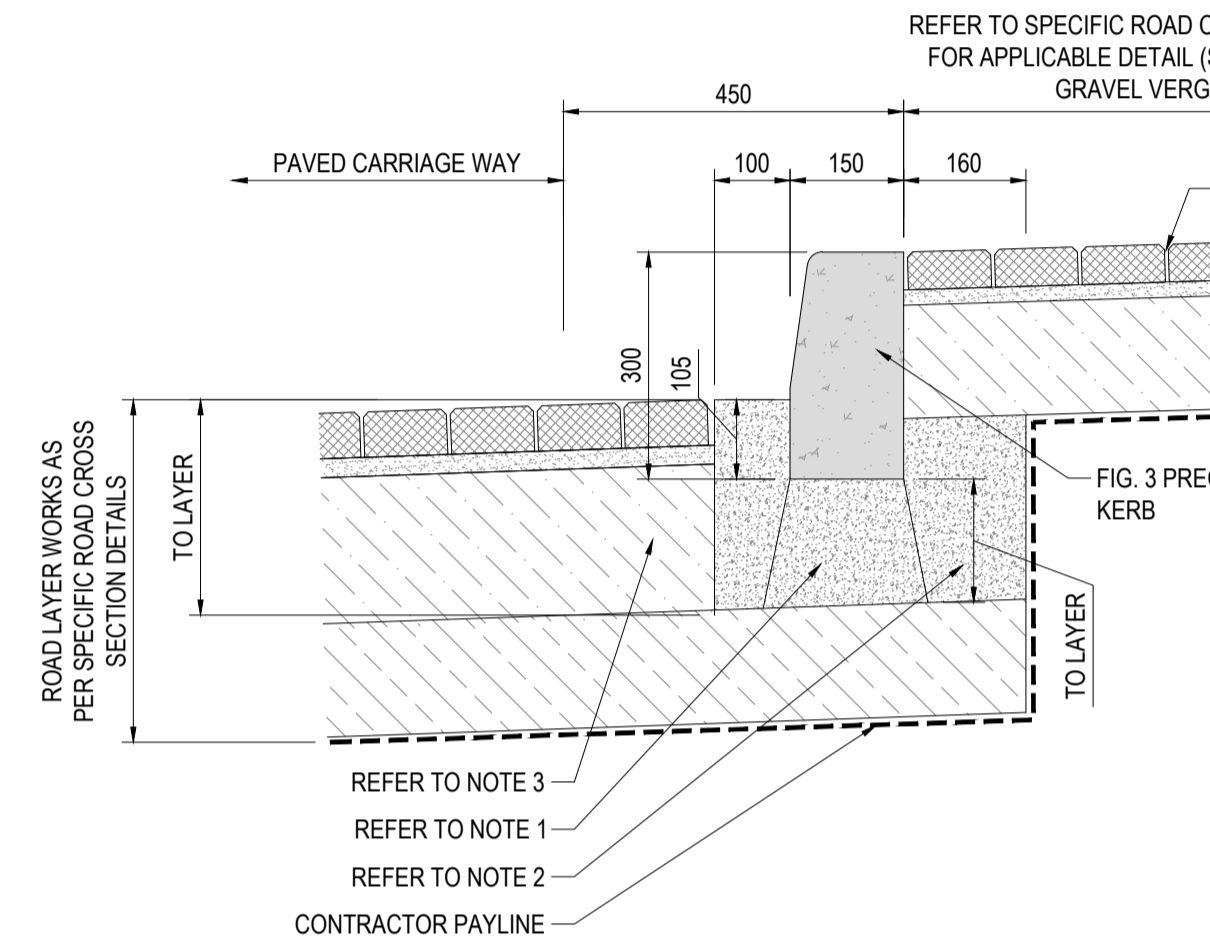
DETAIL C : USE OF EDGE PAVERS (SCALE- 1:10)



DETAIL 'A' - SANS 927 FIG. 11 PRE-CAST EDGE RESTRAINT AND CAST IN-SITU CONTINUOUS BACKING CONCRETE (SCALE- 1:10)

NOTES FOR DETAIL 'A':

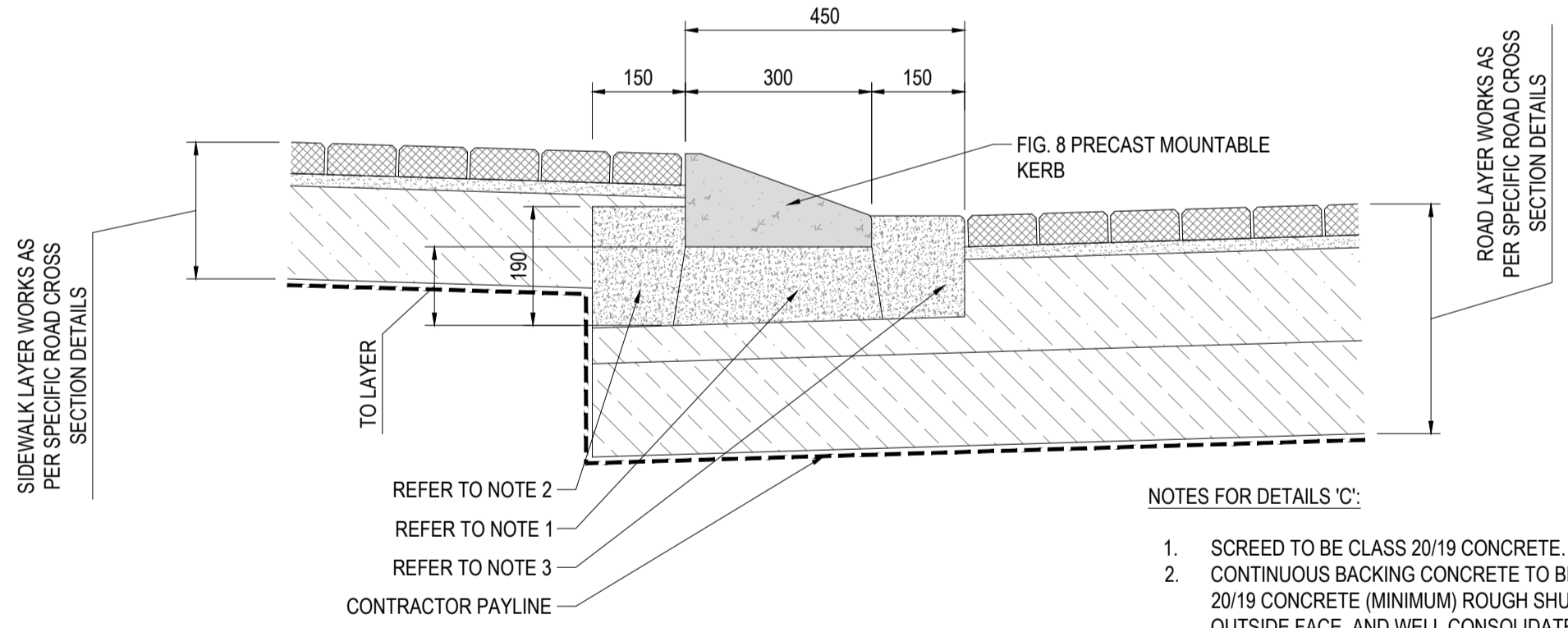
- SCREED TO BE CLASS 20/19 CONCRETE.
- CONTINUOUS BACKING CONCRETE TO BE CAST IN-SITU CLASS 20/19 CONCRETE (MINIMUM) ROUGH SHUTTERED TO THE OUTSIDE FACE, AND WELL CONSOLIDATED BY MECHANICAL VIBRATION.
- ALL KERBING TO BE JOINTED WITH A 10mm EXPANSION JOINT EVERY 9m ON STRAIGHT AND 4m ON BELLMOUTH RADII AND SEALED WITH AN APPROVED POLYSUPHIDE SEALANT.
- REFER TO ROAD LAYOUT PLAN(S) FOR PAVING SCHEDULE (WHERE APPLICABLE).



DETAIL 'B' - SANS 927 FIG. 3 PRE-CAST BARRIER KERB AND CAST IN-SITU CONTINUOUS BACKING CONCRETE AND CONCRETE CHANNEL (SCALE- 1:10)

NOTES FOR DETAIL 'B':

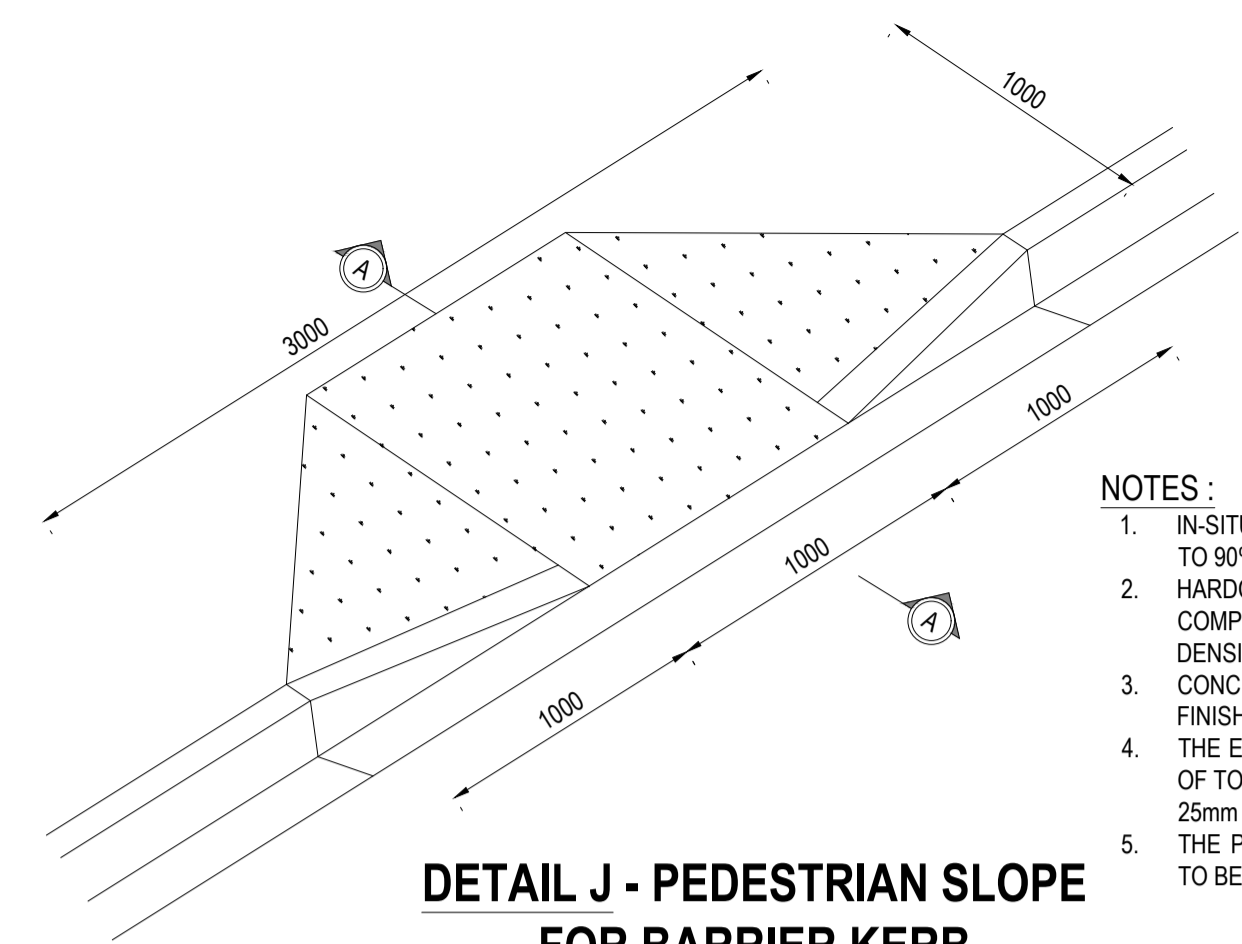
- SCREED TO BE CLASS 20/19 CONCRETE.
- CONTINUOUS BACKING CONCRETE TO BE CAST IN-SITU CLASS 20/19 CONCRETE (MINIMUM) ROUGH SHUTTERED TO THE OUTSIDE FACE, AND WELL CONSOLIDATED BY MECHANICAL VIBRATION.
- CHANNEL TO BE CLASS 20/19 CONCRETE (MINIMUM) CONSTRUCTED AFTER BACKING CONCRETE HAS SET, SMOOTH FINISH AND R10 RADIUS TO CORNER.
- ALL KERBING TO BE JOINTED WITH A 10mm EXPANSION JOINT EVERY 9m ON STRAIGHT AND 4m ON BELLMOUTH RADII AND SEALED WITH AN APPROVED POLYSUPHIDE SEALANT.
- REFER TO ROAD LAYOUT PLAN(S) FOR PAVING SCHEDULE (WHERE APPLICABLE).



DETAIL 'C' - SANS 927 FIG. 8a PRE-CAST MOUNTABLE KERB AND CAST IN-SITU CONTINUOUS BACKING CONCRETE (SCALE- 1:10)

NOTES FOR DETAILS 'C':

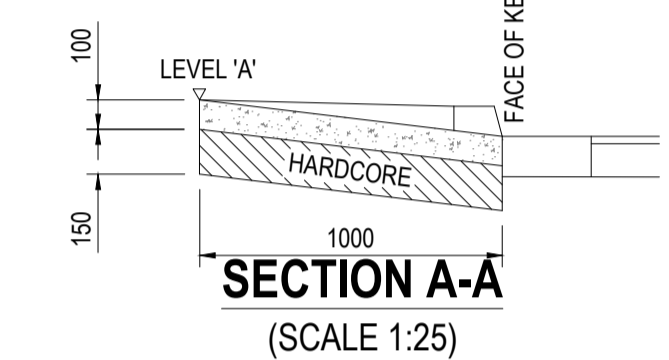
- SCREED TO BE CLASS 20/19 CONCRETE.
- CONTINUOUS BACKING CONCRETE TO BE CAST IN-SITU CLASS 20/19 CONCRETE (MINIMUM) ROUGH SHUTTERED TO THE OUTSIDE FACE, AND WELL CONSOLIDATED BY MECHANICAL VIBRATION.
- CHANNEL TO BE CLASS 20/19 CONCRETE (MINIMUM) CONSTRUCTED AFTER BACKING CONCRETE HAS SET, SMOOTH FINISH AND R10 RADIUS TO CORNER.
- ALL KERBING TO BE JOINTED WITH A 10mm EXPANSION JOINT EVERY 9m ON STRAIGHT AND 4m ON BELLMOUTH RADII AND SEALED WITH AN APPROVED POLYSUPHIDE SEALANT.
- REFER TO ROAD LAYOUT PLAN(S) FOR PAVING SCHEDULE (WHERE APPLICABLE).



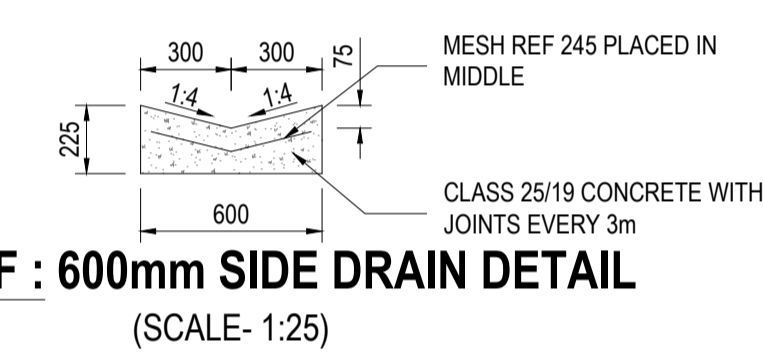
DETAIL J - PEDESTRIAN SLOPE FOR BARRIER KERB (WOOD FLOATED FINISH) (SCALE 1:25)

NOTES:

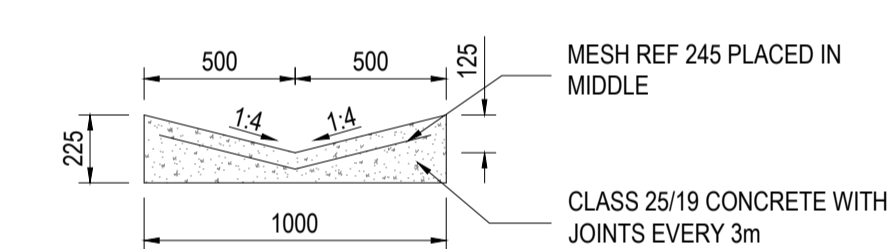
- IN-SITU MATERIAL BENEATH HARDCORE TO BE COMPACTED TO 90% MOD AASHTO MAXIMUM DENSITY.
- HARDCORE SHALL BE SUB-BASE (G5) QUALITY MATERIAL COMPACTED TO 93% MOD AASHTO MAXIMUM DENSITY.
- CONCRETE SHALL BE CLASS 25/19, BRASS BROOM STIPPLE FINISH.
- THE ENGINEER WILL SPECIFY LEVEL 'A' RELATIVE TO LEVEL OF TOP OF ADJACENT KERB AND MAY ORDER A 25mm RISE AT FACE OF KERB LINE.
- THE PEDESTRIAN SLOPE TRANSITION MAY BE SHORTENED TO BE A MINIMUM OF 500mm TO SUIT EXISTING STREET.



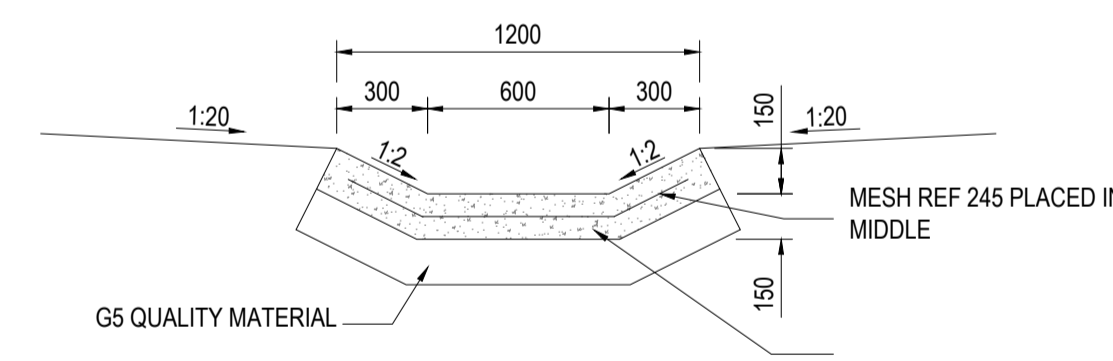
SECTION A-A (SCALE 1:25)



DETAIL F : 600mm SIDE DRAIN DETAIL (SCALE- 1:25)



DETAIL G : 1000mm SIDE DRAIN DETAIL (SCALE- 1:25)



DETAIL H : 1200mm SIDE DRAIN DETAIL (SCALE- 1:25)

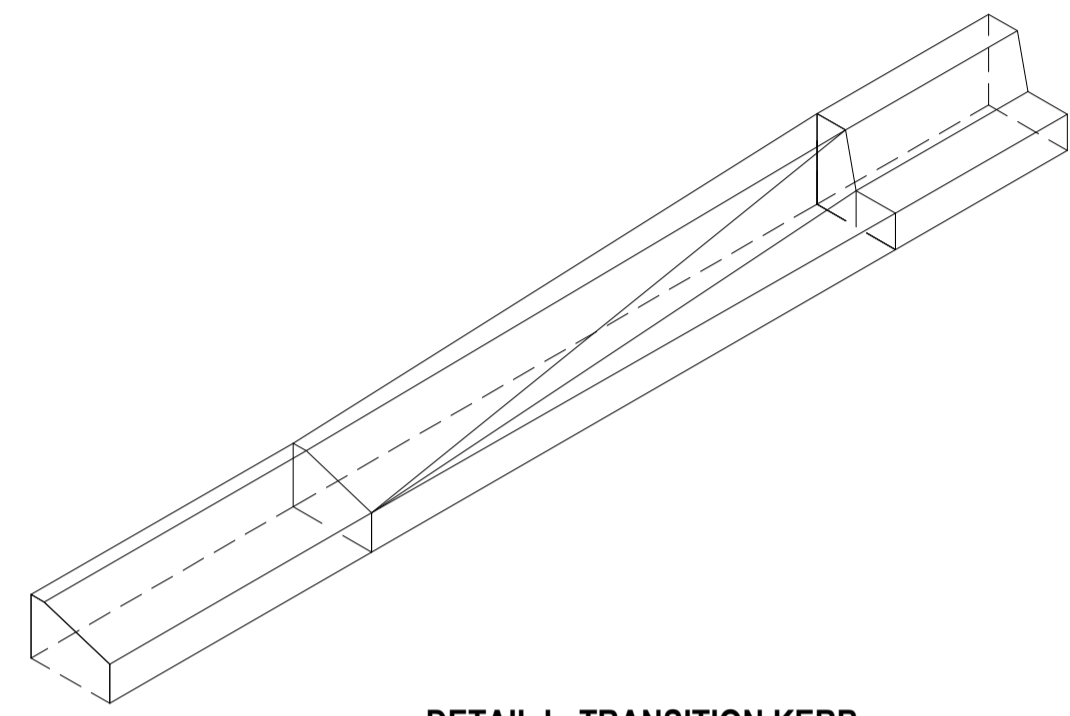
NOTES:

- CLASS 25/19 CONCRETE WITH JOINTS EVERY 3m, CAST IN ALTERNATIVE SECTIONS, WITH A WOOD FLOATED FINISH.
- JOINT SEALER SHALL BE PRE-MOULDED STRIPS OF PREFORMED NEOPRENE COMPRESSED SEAL, INSERTED WITH A SPECIAL TOOL AND LUBRICANT ADHESIVE INTO JOINTS OF ALTERNATIVE APPROVED SEALANT.
- MESH REF 245 TO BE PLACED IN THE MIDDLE OF THE V-DRAIN.

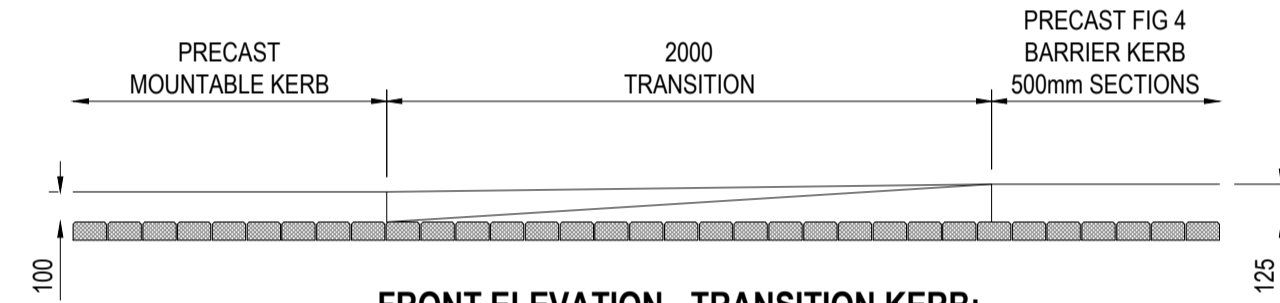


NORTH

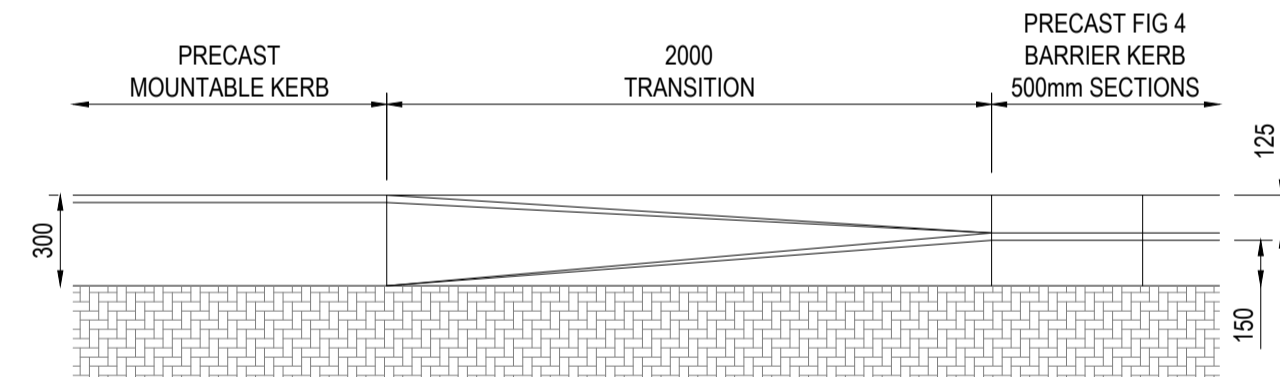
GENERAL NOTES		REVISIONS / AMENDMENTS		COPYRIGHT NOTES		OPT PRIORITY No. / MASTER PRIORITY No. / TOWN AREA		ROAD NAME / SHEET REF		WARD No.	
						N/A / N/A /		NCAME STREET / 1 OF 3		N/A	
DRAWING DESCRIPTION		DRAWING STATUS		CLIENT		DRAWING AGENT		PROJECT		SCALE	
MAKHANDA: TYPICAL CROSS-SECTIONS AND DETAILS		FOR TENDER PURPOSES		SARAH BAARTMAN MUNICIPALITY		SARAH BAARTMAN MUNICIPALITY		REHABILITATION OF M STREET & ALBERT ROAD IN MAKHANDA, MAKANA LOCAL MUNICIPALITY		AS SHOWN / 1 OF 3 / A1	
DRAWING No. / REV No.		DATE / DESCRIPTION / RWD / APPD		DATE / DATE / DATE / DATE		DATE / DATE / DATE / DATE		DRAWING No. / REV No.		SCALE / SHEET SIZE	
23CR04-04-02-03-201 / 0		0 / 30/10/2023 / ISSUED FOR PRELIM USE ONLY / B.L. / G.P.		30/10/2023 / 30/10/2023 / 30/10/2023 / 30/10/2023		30/10/2023 / 30/10/2023 / 30/10/2023 / 30/10/2023		23CR04-04-02-03-201 / 0		AS SHOWN / 1 OF 3 / A1	



DETAIL I - TRANSITION KERB: MOUNTABLE KERB TO BARRIER KERB (SCALE - 1:25)



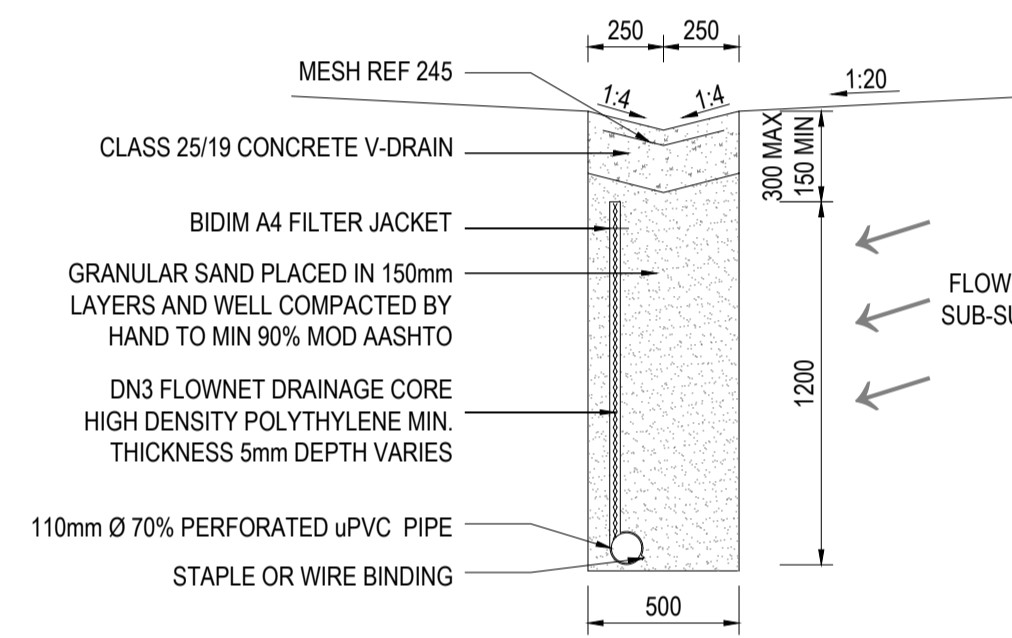
FRONT ELEVATION - TRANSITION KERB: MOUNTABLE KERB TO BARRIER KERB (SCALE - 1:25)



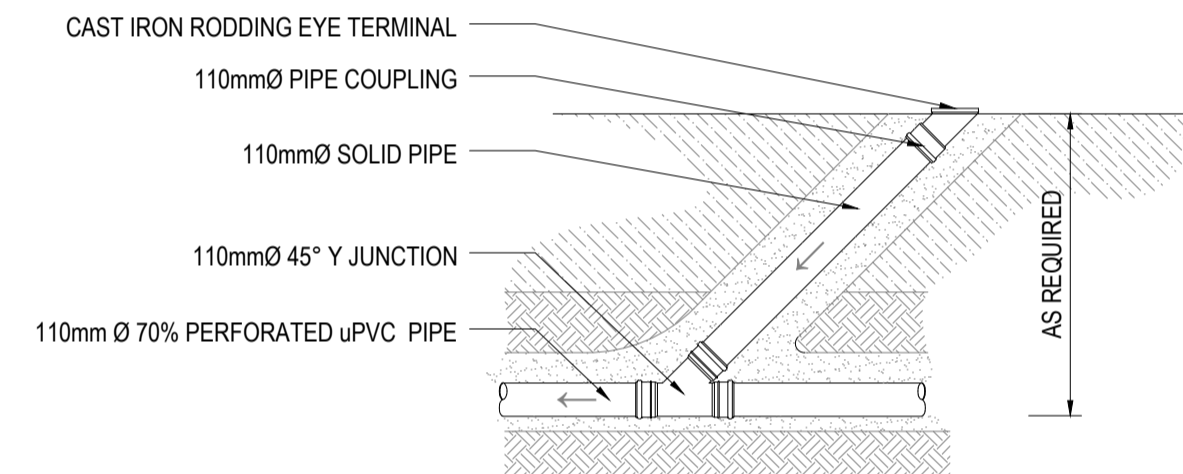
PLAN - TRANSITION KERB: MOUNTABLE KERB TO BARRIER KERB (SCALE - 1:25)

NOTES:

- ENGINEER TO APPROVE SETTING OUT PRIOR TO CASTING OF CONCRETE.
- CLASS 25/19 CONCRETE TO BE USED.
- CONCRETE TO BE FINISHED WITH A WOOD FLOAT.



SUB-SOIL DRAIN DETAIL (SCALE- 1:25)



SUB-SOIL RODDING EYE DETAIL (SCALE- 1:25)



NORTH

GENERAL NOTES

REVISIONS / AMENDMENTS

No.	DATE	DESCRIPTION	RWVD	APPD
0	30/10/2023	ISSUED FOR PRELIM USE ONLY	B.L.	G.P.

COPYRIGHT NOTES

Copyright of all documents prepared by LA Consulting Engineers (PTY) Ltd in accordance with the relevant provisions of the copyright Act (Act 98 of 1978) relating to Project shall be vested in LA Consulting Engineers (PTY) Ltd. The Employer shall be entitled to use the documents or copy them only for the purposes for which they are intended in regard to the Project and need not obtain LA Consulting Engineers (PTY) Ltd permission to copy for such use. Where copyright is vested in the Employer in terms of the Contract, LA Consulting Engineers (PTY) Ltd shall not be liable in any way for the use of any of the information other than as originally intended for the Project and the Employer hereby indemnifies the Service Provider against any claim which may be made against him by any party arising from the use of such documentation for other purposes. The ownership of data and factual information collected by LA Consulting Engineers (PTY) Ltd and paid for by the Employer shall, after payment by the Employer, be with the Employer. The Employer shall have no right to use any documents prepared by LA Consulting Engineers (PTY) Ltd whilst the payment of any fees and expenses due to LA Consulting Engineers (PTY) Ltd in terms of the Contract is overdue.

OPT PRIORITY No. N/A

MASTER PRIORITY No. N/A

TOWN AREA

ROAD NAME NCAME STREET

WARD No. N/A

FUNDING AGENT

DRAWN	CHECKED	REVIEWED	APPROVED
LL	BL	BL	G.P.
DATE	DATE	DATE	DATE
30/10/2023	30/10/2023	30/10/2023	30/10/2023
DRAWING STATUS			
FOR TENDER PURPOSES			

CLIENT



SARAH BAARTMAN MUNICIPALITY

DRAWING DESCRIPTION

MAKHANDA: TYPICAL CROSS-SECTIONS AND DETAILS

PROJECT REHABILITATION OF M STREET & ALBERT ROAD IN MAKHANDA, MAKANA LOCAL MUNICIPALITY



LIFE AFRICA CHANGING LIVES BUILT ENVIRONMENT PROFESSIONALS

SCALE AS SHOWN SHEET REF 3 OF 3 SHEET SIZE A1

DRAWING No. 23CR04-04-02-03-202 REV No. 0