

DWG No.	DESCRIPTION
	GENERAL
EBRT1762/KP01	KEY PLAN AND LIST OF DRAWING
	TYPICAL DETAILS
EBRT1762/DD01	TYPICAL SIGNAGE ROAD MARKING
EBRT1762/DD02	TYPICAL ROAD MARKING
	ROAD SIGN AND MARKING LAYOUT
EBRT1762/RM01	DEMARCATON, ROAD SIGNS & MARKING PLAN - EDITH CARVEL STREET
EBRT1762/RM02	DEMARCATON, ROAD SIGNS & MARKING PLAN - EDITH CARVEL STREET
EBRT1762/RM03	DEMARCATON, ROAD SIGNS & MARKING PLAN - EDITH CARVEL STREET

Rev	Date	By	Checked by	Approved by	Consultant revision details
A1	Nov2023	M. Pelusa	D. Ndlovu	T. Ramogae	Issued for Approval

ISSUED FOR TENDER

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CLIENT APPROVAL (Full signature)

NAME _____

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2191

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CLIENT

JDA
Johannesburg Development Agency

JRA

No 03
Helen Joseph Street
Bus factory
Newtown
2113

Tel: +27 11 688 7857
E-mail: www.jda.org.za

PROJECT

**REHABILITATION OF ROAD
PAVEMENT AT EDITH CARVEL
STREET INCLUDING PHASE 1C
BRT ROUTES**

DRAWING TITLE

**DEMARCATON, ROAD SIGNS & MARKING PLAN
- EDITH CARVEL STREET
KEY PLAN**

Approved by Design Leader

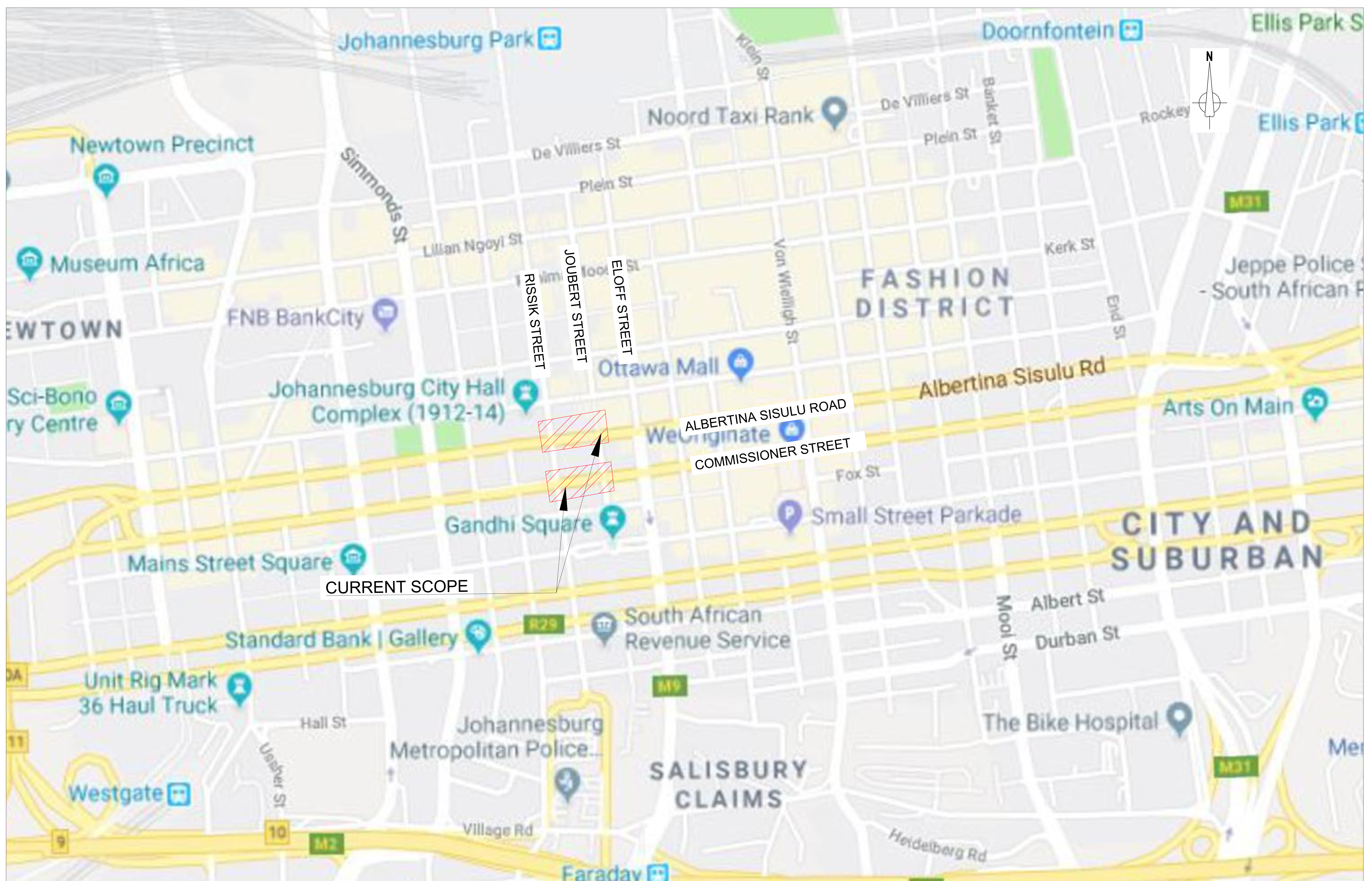
NAME: T. RAMOGAE
PR. TECH. ENG.
REG. NO. 2021300997

Project Number: 1762

Revision: 00

Scale: N.T.S.

TENDER PURPOSES ONLY



LAYOUT PLAN
SCALE : N.T.S

TENDER PURPOSES ONLY

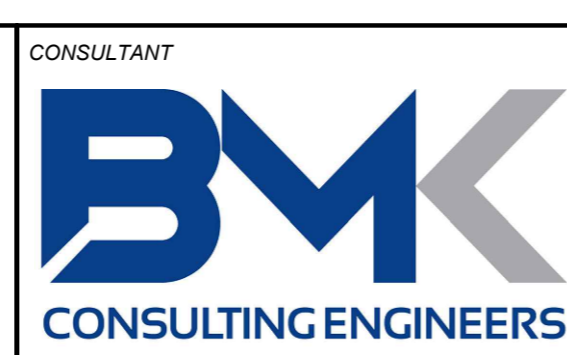
Rev	Date	Prepared by	Checked by	Approved by	Consultant revision details
01	13/02/2024	M. Poku	D. Naidoo	T. Ramogae	Issued for Tender

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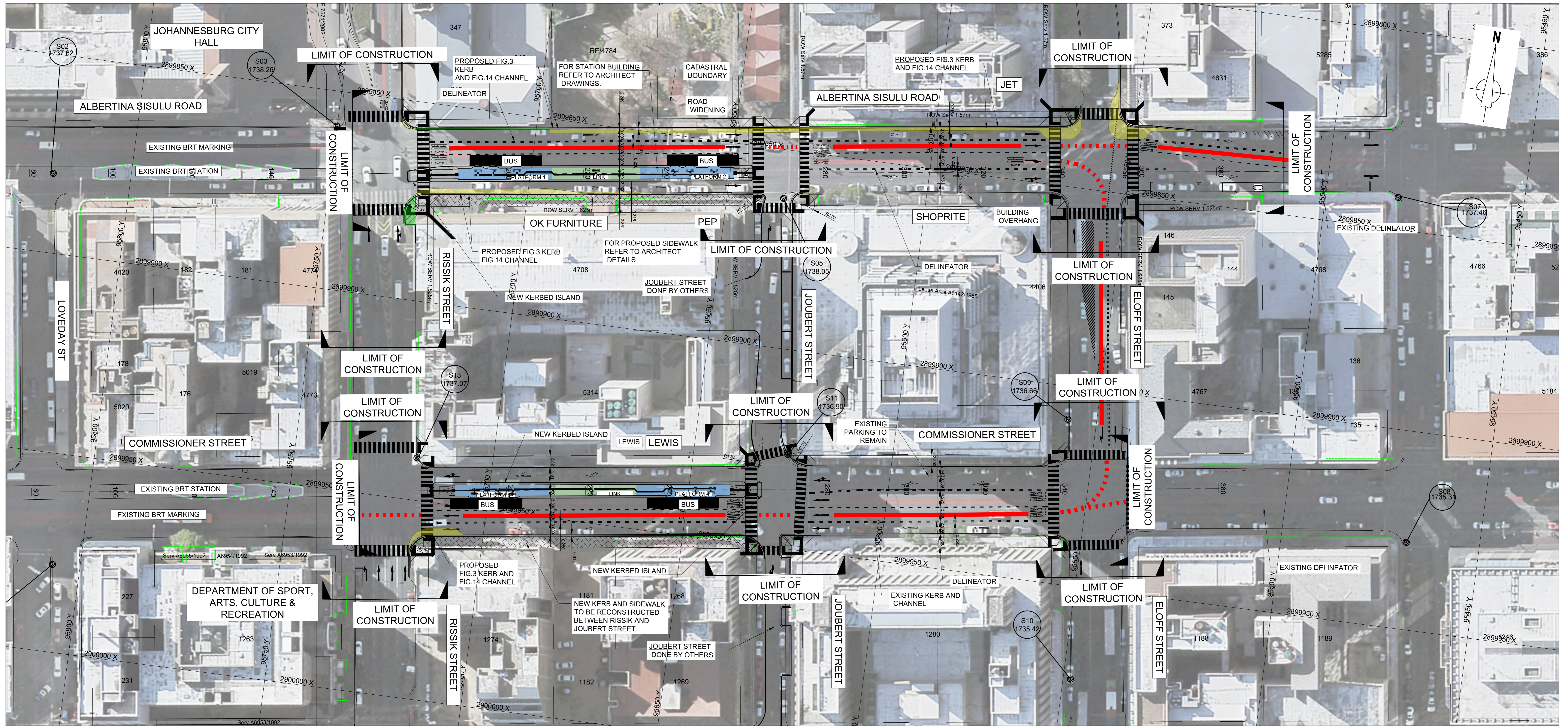
PROJECT

REYA VAYA PHASE 1C
INTEGRATION STATION:
GANDHI SQUARE BRT
STATION

DRAWING TITLE

LOCALITY PLAN:
SHEET 1 OF 1

Approved by Design Leader NAME: T. RAMOGAE PR: TECH. ENG. REG-NO: 2021300997	Person Level Code T - TENDER
Project Number 7377	Revision 00
Drawing Number BMK-7377-104-1000	Scale N.T.S

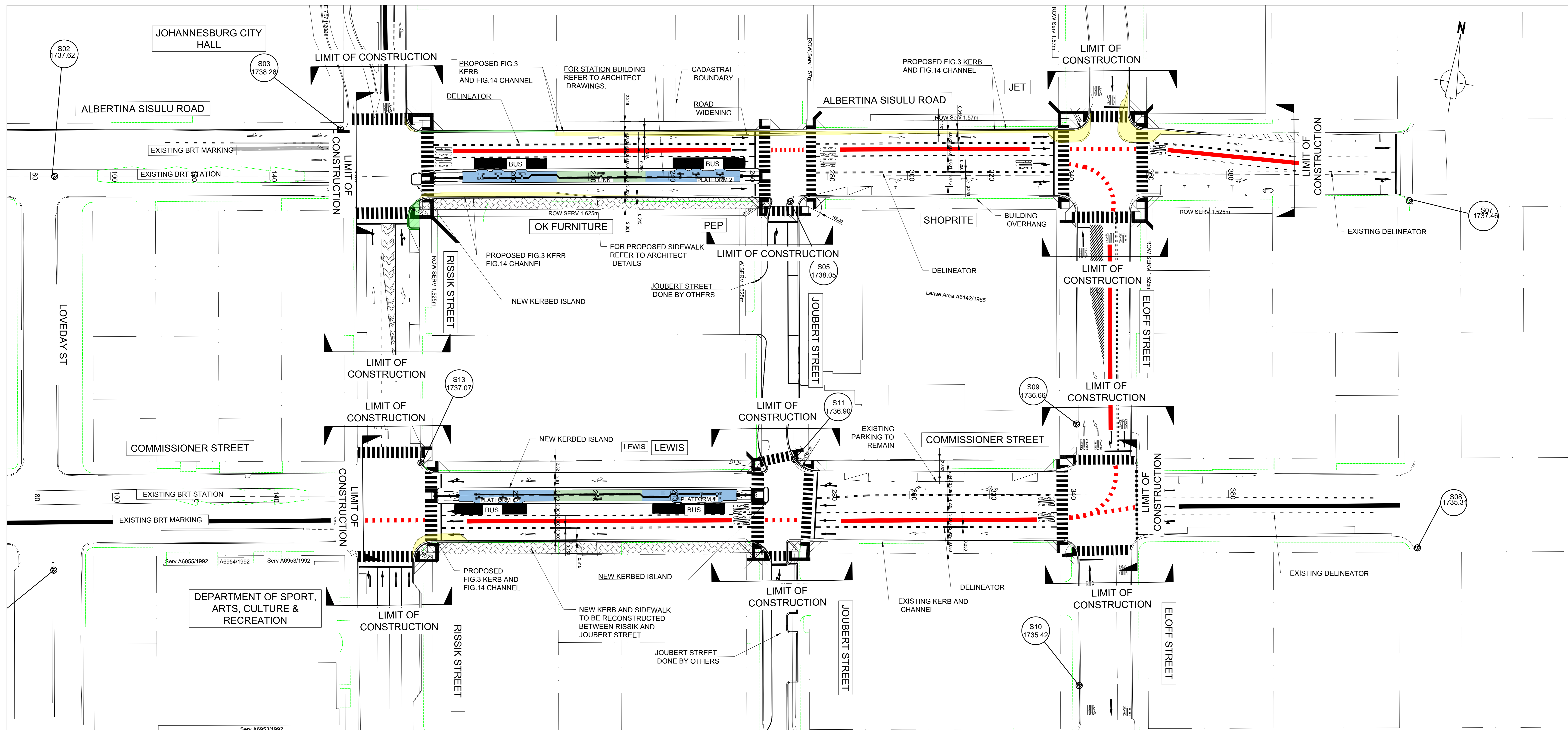


LEGEND			
	ROAD WIDENING		BRT STATION PLATFORM
	BRT TRUNK ROUTE		BRT STATION LINK
	ROAD NARROWING		ROAD CENTRELINE
	PROPOSED SIDEWALK		CADASTRAL BOUNDARY
	BUILDING OVERHANG		EXISTING BRT LANE
	DELINEATOR		

SURVEY BENCHMARKS				
CO-ORDINATE SYSTEM: WGS84 Lo29				
NAME	Y	X	Z	DESCRIPTION
S02	95 819.575	2 899 879.940	1 737.625	SKREW IN PAVING
S03	95 750.008	2 899 858.850	1 738.257	SKREW IN PAVING
S05	95 635.740	2 899 862.300	1 738.046	SKREW IN PAVING
S07	95 481.763	2 899 841.880	1 737.458	SKREW IN PAVING
S08	95468.458	2 899 928.010	1 737.307	SKREW IN PAVING
S09	95 557.275	2 899 908.290	1 736.657	SKREW IN KERB
S10	95 548.123	2 899 973.280	1 735.419	SKREW IN KERB
S11	95 626.296	2 899 926.270	1 736.905	SKREW IN KERB
S13	95 719.111	2 899 939.290	1 737.065	SKREW IN PAVING
S15	95 806.964	2 899 977.930	1 736.308	SKREW IN KERB

- GENERAL NOTES**
- FOR TYPICAL CROSS SECTION DRAWINGS REFER TO DRAWING HHO-7377-104-1101 TO HHO-7377-104-1103 AND HHO-7377-104-1111 TO HHO-7377-104-1113.
 - FOR SETTING OUT PLAN DRAWINGS REFER TO DRAWINGS HHO-7377-104-1201 TO HHO-7377-104-1210 AND HHO-7377-104-1211 TO HHO-7377-104-1212.
 - FOR LONGITUDINAL SECTIONS DRAWINGS REFER TO DRAWING HHO-7377-104-2001 AND HHO-7377-104-2011.
 - FOR GENERAL CROSS SECTIONS DRAWINGS REFER TO DRAWING HHO-7377-104-3601 TO HHO-7377-104-3602 AND HHO-7377-104-3611 TO HHO-7377-104-3612.

TENDER PURPOSES ONLY

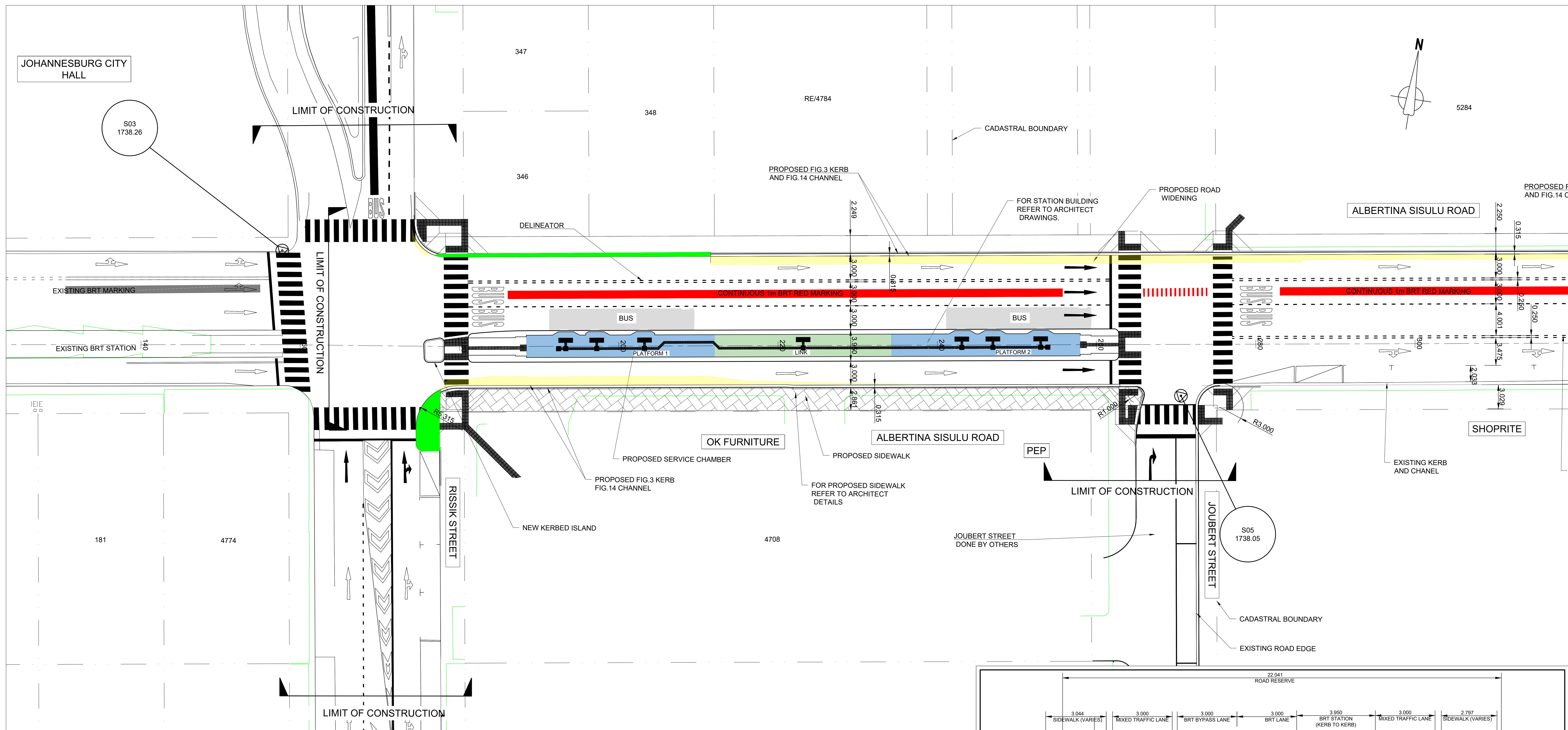


SURVEY BENCHMARKS				
CO-ORDINATE SYSTEM: WGS84 Lo29				
NAME	Y	X	Z	DESCRIPTION
S02	95 819.575	2 899 879.940	1 737.625	SKREW IN PAVING
S03	95 750.008	2 899 858.850	1 738.257	SKREW IN PAVING
S05	95 635.740	2 899 862.300	1 738.046	SKREW IN PAVING
S07	95 481.763	2 899 841.880	1 737.458	SKREW IN PAVING
S08	95468.458	2 899 928.010	1 737.307	SKREW IN PAVING
S09	95 557.275	2 899 908.290	1 736.657	SKREW IN KERB
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S11	95 626.296	2 899 926.270	1 736.905	SKREW IN KERB
S13	95 719.111	2 899 939.290	1 737.065	SKREW IN PAVING
S15	95 806.964	2 899 977.930	1 736.308	SKREW IN KERB

LEGEND			
	ROAD WIDENING		BRT STATION PLATFORM
	BRT TRUNK ROUTE		BRT STATION LINK
	ROAD NARROWING		ROAD CENTRELINE
	PROPOSED SIDEWALK		CADASTRAL BOUNDARY
	BUILDING OVERHANG		EXISTING BRT LANE
	DELINEATOR		

- GENERAL NOTES**
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 - FOR SETTING OUT PLAN DRAWINGS REFER TO DRAWINGS HHO-7377-104-1201 TO HHO-7377-104-1210 AND HHO-7377-104-1211 TO HHO-7377-104-1212.
 - FOR LONGITUDINAL SECTIONS DRAWINGS REFER TO DRAWING HHO-7377-104-2001 AND HHO-7377-104-2011.
 - FOR GENERAL CROSS SECTIONS DRAWINGS REFER TO DRAWING HHO-7377-104-3601 TO HHO-7377-104-3602 AND HHO-7377-104-3611 TO HHO-7377-104-3612.

TENDER PURPOSES ONLY



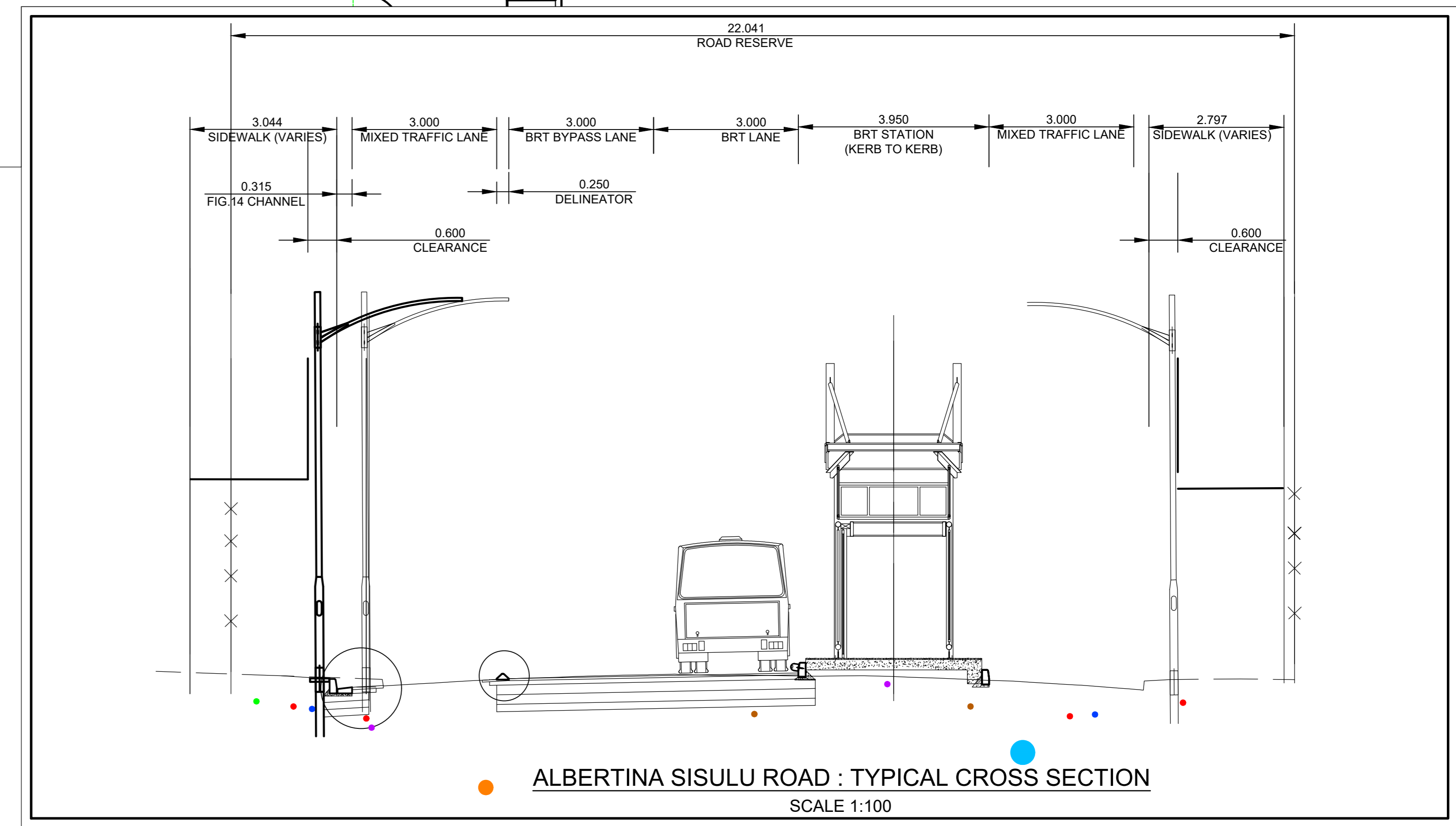
- GENERAL NOTES**
1. FOR TYPICAL CROSS SECTION DRAWINGS REFER TO DRAWING HHO-7377-104-1101 TO HHO-7377-104-1103.
 2. FOR SETTING OUT PLAN DRAWINGS REFER TO DRAWINGS HHO-7377-104 1201 TO HHO-7377-104-1202.
 3. FOR LONGITUDINAL SECTIONS DRAWINGS REFER TO DRAWING HHO-7377-104-2001.
 4. FOR GENERAL CROSS SECTIONS DRAWINGS REFER TO DRAWING HHO-7377-104-3601 TO HHO-7377-104-3602.

SURVEY BENCHMARKS
CO-ORDINATE SYSTEM: WGS84 Lo29

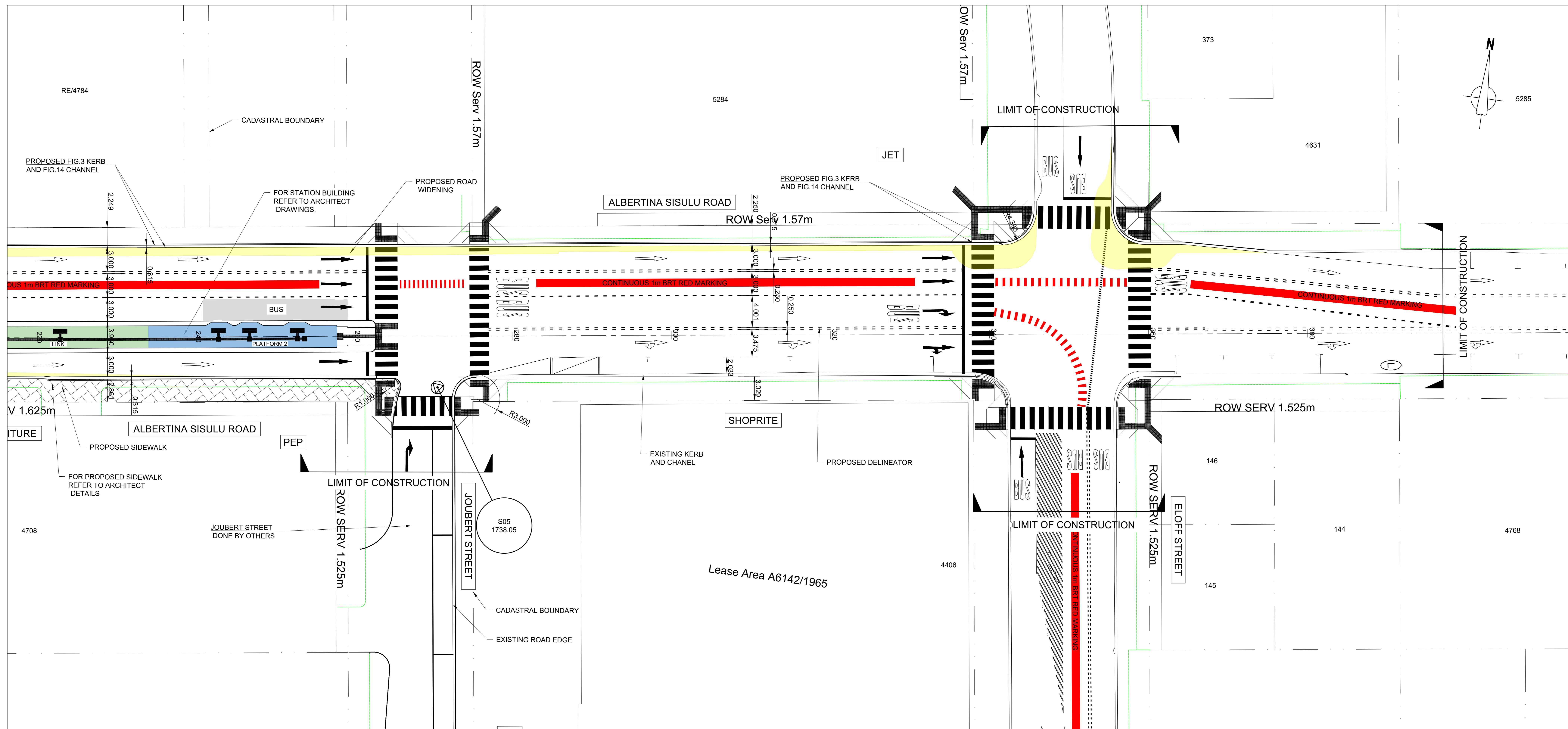
NAME	Y	X	Z	DESCRIPTION
S03	95 750.008	2 899 858.850	1 738.257	SKREW IN PAVING
S05	95 635.740	2 899 862.300	1 738.046	SKREW IN PAVING

LEGEND

	ROAD WIDENING		BRT STATION PLATFORM
	BRT TRUNK ROUTE		BRT STATION LINK
	ROAD NARROWING		ROAD CENTRELINE
	PROPOSED SIDEWALK		CADASTRAL BOUNDARY
	BUILDING OVERHANG		EXISTING BRT LANE
	DELINEATOR		



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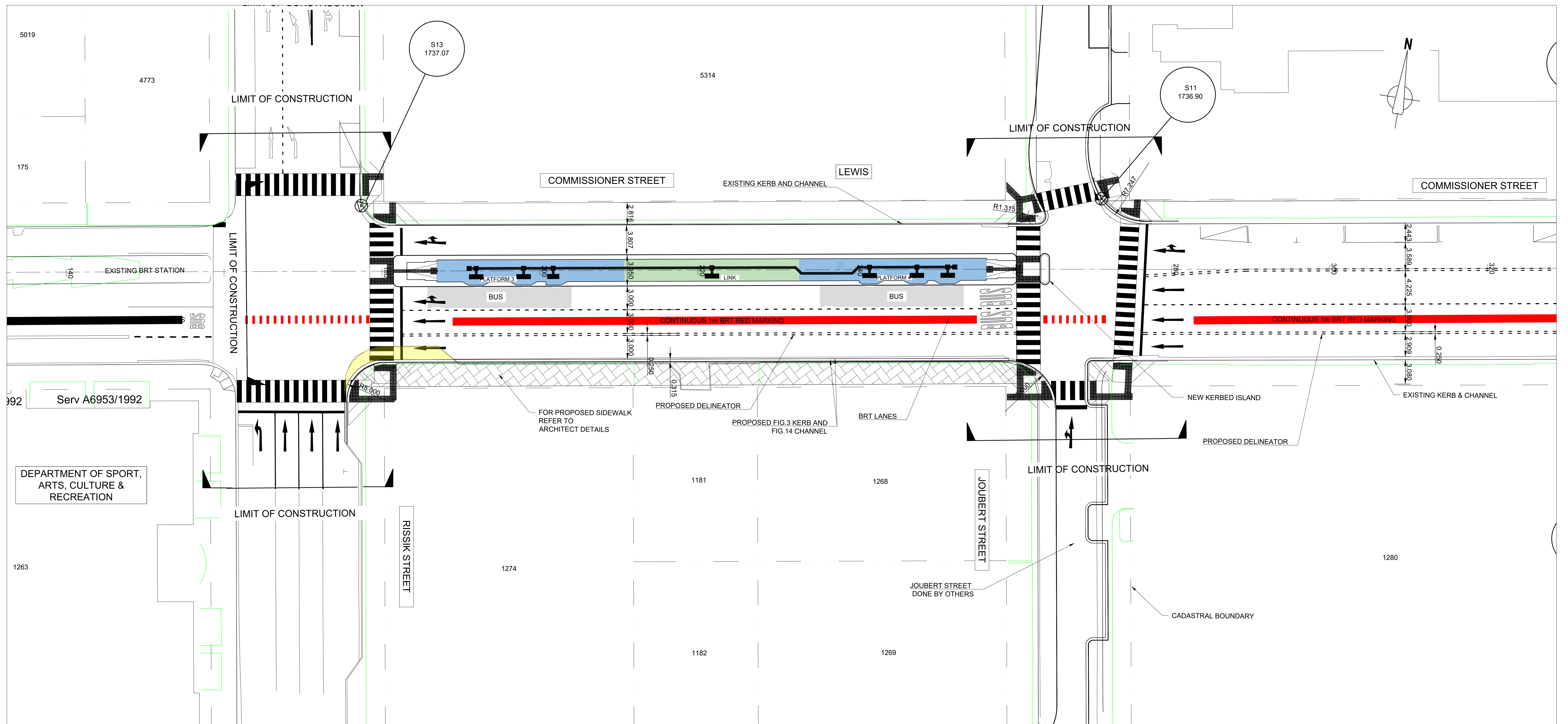
SURVEY BENCHMARKS				
CO-ORDINATE SYSTEM: WGS84 Lo29				
NAME	Y	X	Z	DESCRIPTION
S03	95 750.008	2 899 858.850	1 738.257	SKREW IN PAVING
S05	95 635.740	2 899 862.300	1 738.046	SKREW IN PAVING

- GENERAL NOTES**
- FOR TYPICAL CROSS SECTION DRAWINGS REFER TO DRAWING HHO-7377-104-1101 TO HHO-7377-104-1103.
 - FOR SETTING OUT PLAN DRAWINGS REFER TO DRAWINGS HHO-7377-104 1201 TO HHO-7377-104-1202.
 - FOR LONGITUDINAL SECTIONS DRAWINGS REFER TO DRAWING HHO-7377-104-2001.
 - FOR GENERAL CROSS SECTIONS DRAWINGS REFER TO DRAWING HHO-7377-104-3601 TO HHO-7377-104-3602.

LEGEND			
	ROAD WIDENING		BRT STATION PLATFORM
	BRT TRUNK ROUTE		BRT STATION LINK
	ROAD NARROWING		ROAD CENTRELINE
	PROPOSED SIDEWALK		CADASTRAL BOUNDARY
	BUILDING OVERHANG		EXISTING BRT LANE
	DELINEATOR		

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AT: 13/03/2024 Rev: _____ Date: _____ Prepared by: M. Pillai Checked by: D. Naidoo Approved by: T. Rammogi Consultant revision details	Project Number: 7377 Drawing Number: BMK-7377-104-1004	Revision: 00 Scale: 1:250m (@A1)						

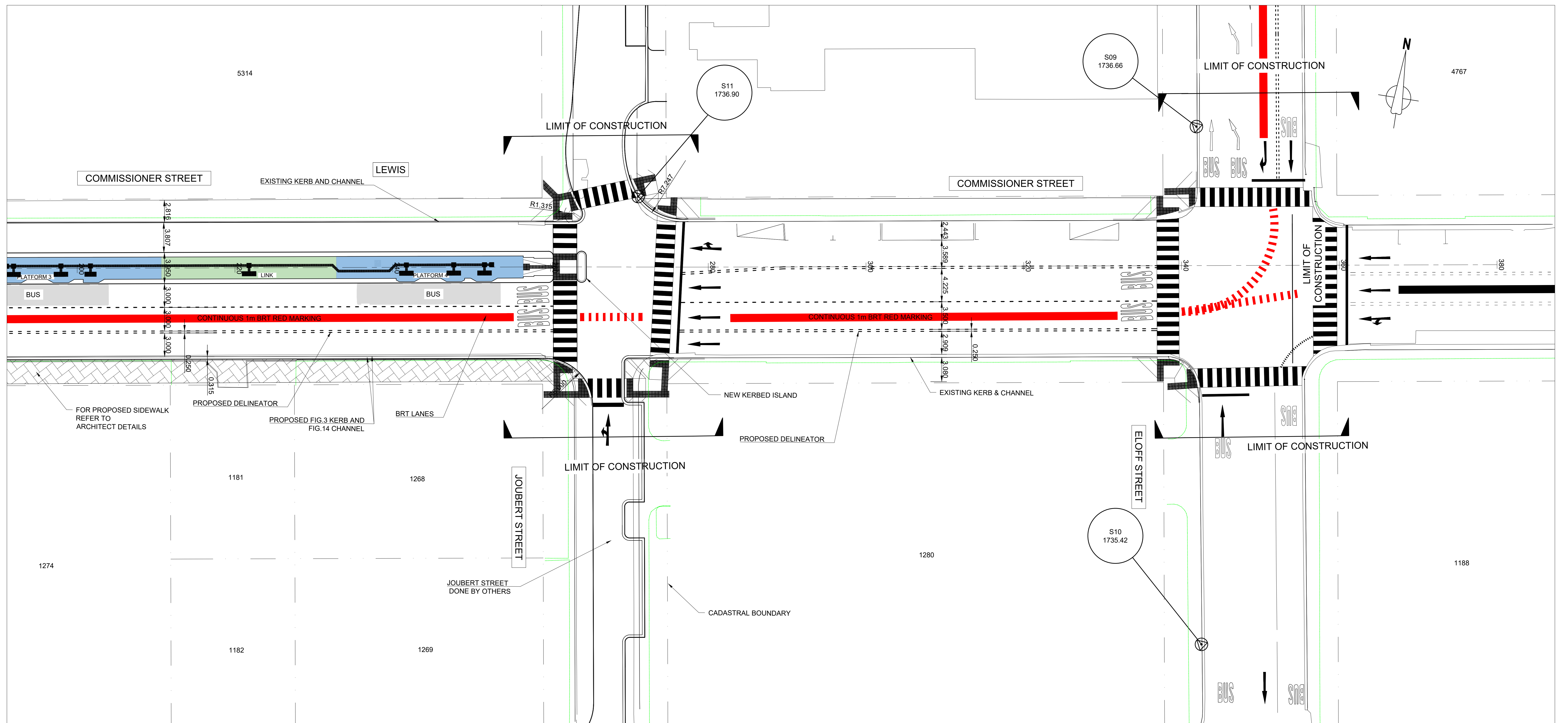


SURVEY BENCHMARKS				
CO-ORDINATE SYSTEM: WGS84 Lo29				
NAME	Y	X	Z	DESCRIPTION
S09	95 557.275	2 899 908.290	1 736.657	SKREW IN KERB
S10	95 548.123	2 899 973.280	1 735.419	SKREW IN KERB
S11	95 626.296	2 899 926.270	1 736.905	SKREW IN KERB
S13	95 719.111	2 899 939.290	1 737.065	SKREW IN PAVING

LEGEND	
	ROAD WIDENING
	ROAD NARROWING
	BRT TRUNK ROUTE
	PROPOSED BRT STATION LINK
	PROPOSED BRT STATION PLATFORM
	NEW SIDEWALK AND KERBLINE TO BE RECONSTRUCTED BETWEEN RISSIK AND JOUBERT STREET ON COMMISSIONER STREET.
	ROAD CENTRELINE
	CADASTRAL BOUNDARY
	EXISTING ROAD EDGE
	PROPOSED ROAD EDGE
	BUILDING OVERHANG
	PROPOSED DELINEATOR KERB
	EXISTING BRT LANE

- GENERAL NOTES**
- FOR TYPICAL CROSS SECTION DRAWINGS REFER TO DRAWING HHO-7377-104-1111 TO HHO-7377-104-1113.
 - FOR SETTING OUT PLAN DRAWINGS REFER TO DRAWINGS HHO-7377-104-12011 TO HHO-7377-104-1212.
 - FOR LONGITUDINAL SECTIONS DRAWINGS REFER TO DRAWING HHO-7377-104-2011.
 - FOR GENERAL CROSS SECTIONS DRAWINGS REFER TO DRAWING HHO-7377-104-3611 TO HHO-7377-104-3612.

TENDER PURPOSES ONLY



SURVEY BENCHMARKS				
CO-ORDINATE SYSTEM: WGS84 Lo29				
NAME	Y	X	Z	DESCRIPTION
S09	95 557.275	2 899 908.290	1 736.657	SKREW IN KERB
S10	95 548.123	2 899 973.280	1 735.419	SKREW IN KERB
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S13	95 719.111	2 899 939.290	1 737.065	SKREW IN PAVING

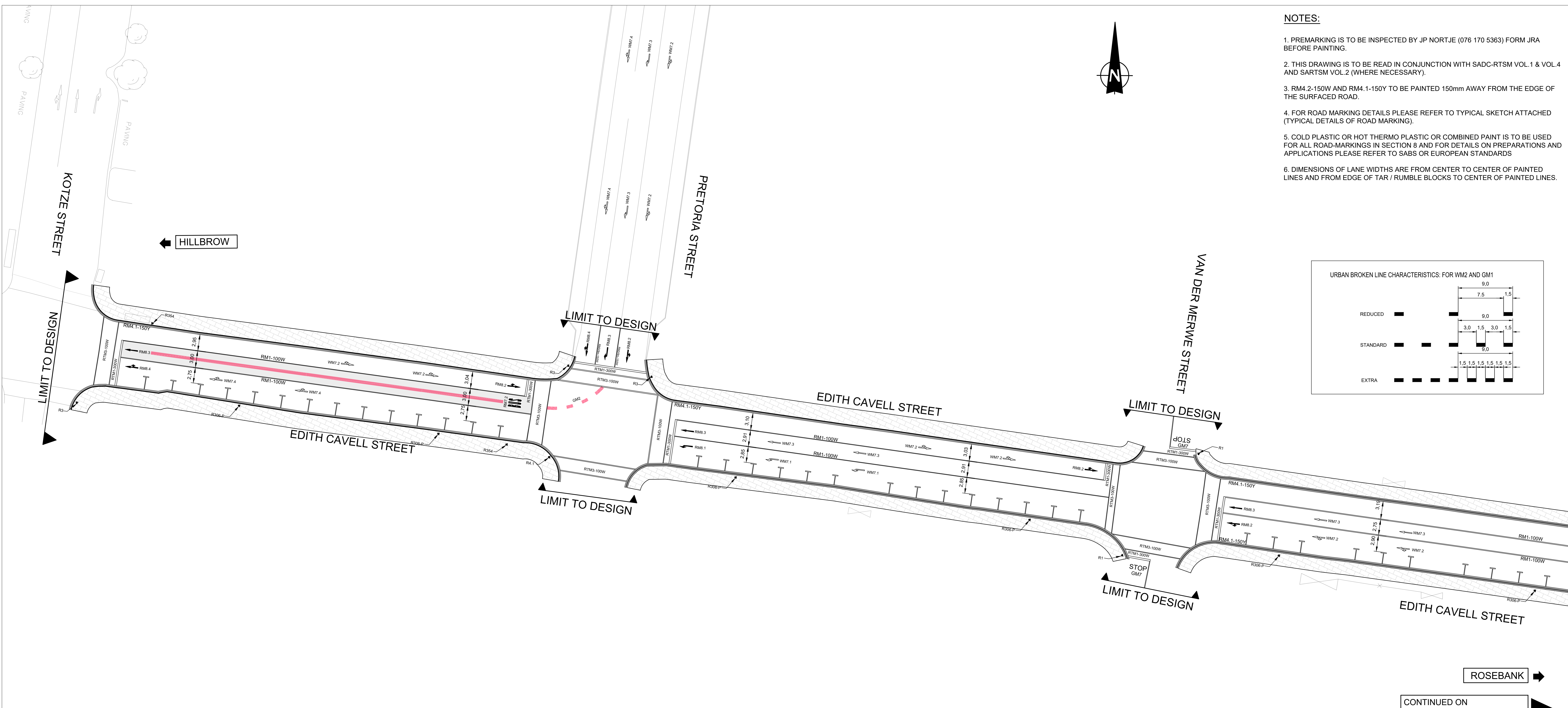
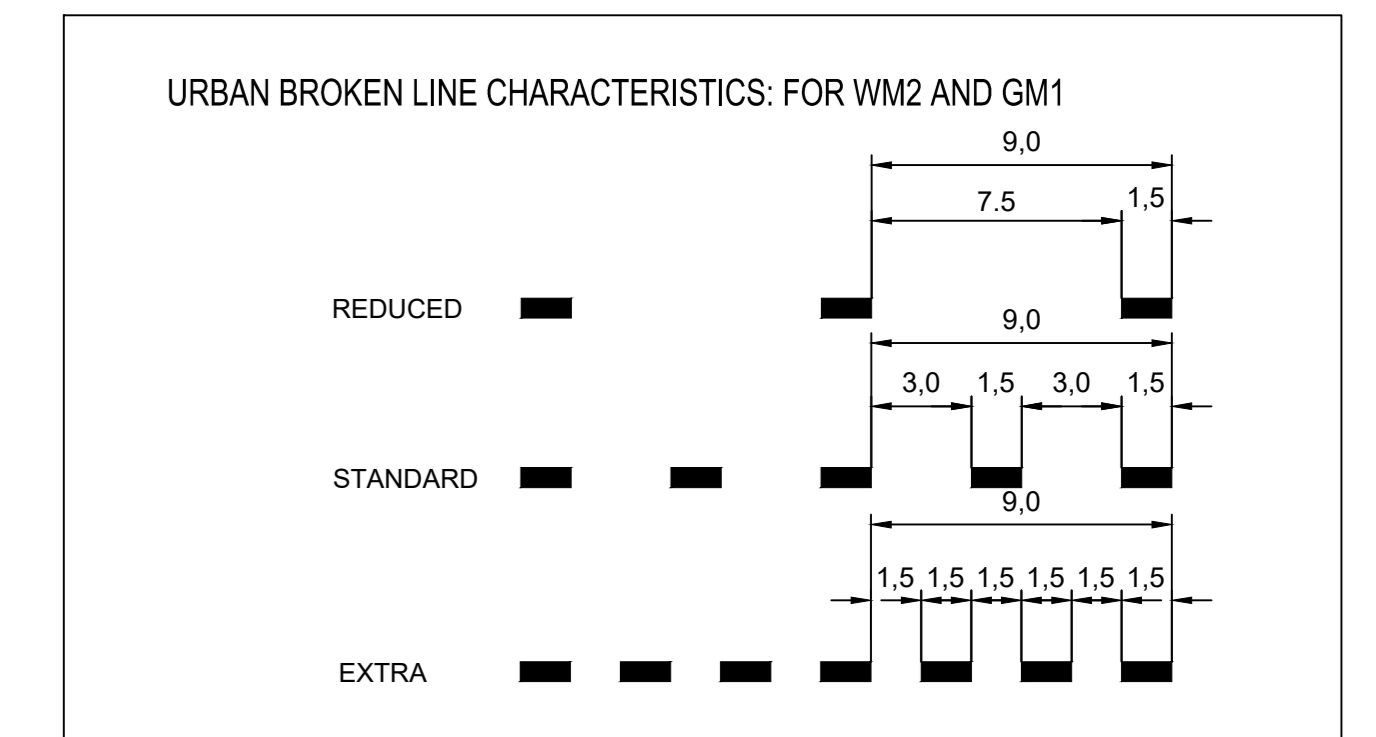
LEGEND	
	ROAD WIDENING
	ROAD NARROWING
	BRT TRUNK ROUTE
	PROPOSED BRT STATION LINK
	PROPOSED BRT STATION PLATFORM
	NEW SIDEWALK AND KERBLINE TO BE RECONSTRUCTED BETWEEN RISSIK AND JOUBERT STREET ON COMMISSIONER STREET.
	ROAD CENTRELINE
	CADASTRAL BOUNDARY
	EXISTING ROAD EDGE
	PROPOSED ROAD EDGE
	BUILDING OVERHANG
	PROPOSED DELINEATOR KERB
	EXISTING BRT LANE

- GENERAL NOTES**
- FOR TYPICAL CROSS SECTION DRAWINGS REFER TO DRAWING HHO-7377-104-1111 TO HHO-7377-104-1113.
 - FOR SETTING OUT PLAN DRAWINGS REFER TO DRAWINGS HHO-7377-104-12011 TO HHO-7377-104-1212.
 - FOR LONGITUDINAL SECTIONS DRAWINGS REFER TO DRAWING HHO-7377-104-2011.
 - FOR GENERAL CROSS SECTIONS DRAWINGS REFER TO DRAWING HHO-7377-104-3611 TO HHO-7377-104-3612.

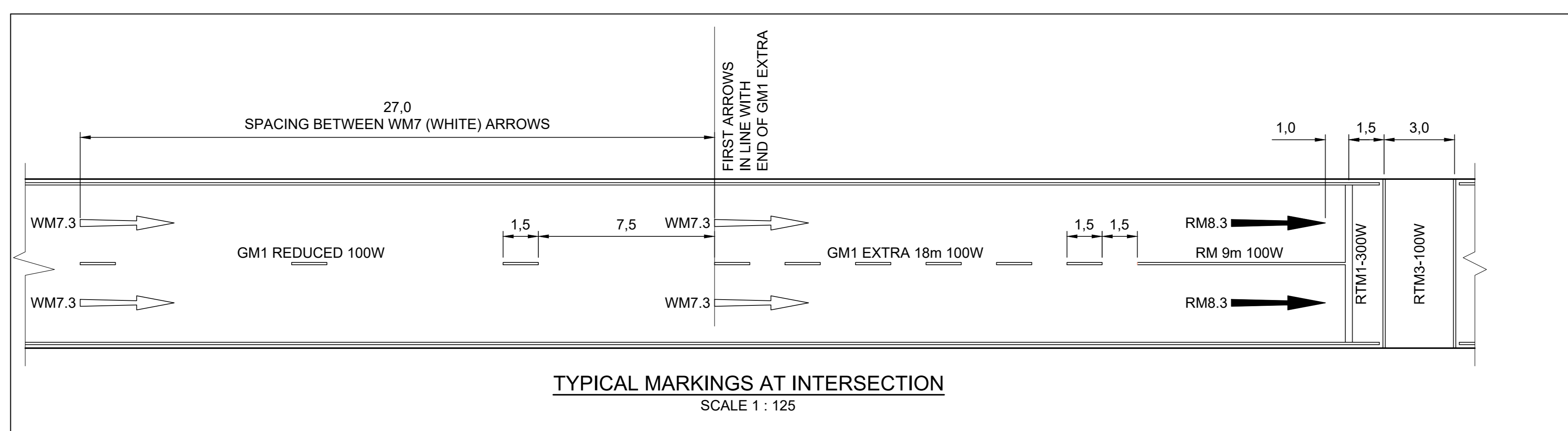
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NOTES:

1. PREMARKING IS TO BE INSPECTED BY JP NORTJE (076 170 5363) FORM JRA BEFORE PAINTING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH SADC-RTSM VOL.1 & VOL.4 AND SARTSM VOL.2 (WHERE NECESSARY).
3. RM4.2-150W AND RM4.1-150Y TO BE PAINTED 150mm AWAY FROM THE EDGE OF THE SURFACED ROAD.
4. FOR ROAD MARKING DETAILS PLEASE REFER TO TYPICAL SKETCH ATTACHED (TYPICAL DETAILS OF ROAD MARKING).
5. COLD PLASTIC OR HOT THERMO PLASTIC OR COMBINED PAINT IS TO BE USED FOR ALL ROAD-MARKINGS IN SECTION 8 AND FOR DETAILS ON PREPARATIONS AND APPLICATIONS PLEASE REFER TO SABS OR EUROPEAN STANDARDS
6. DIMENSIONS OF LANE WIDTHS ARE FROM CENTER TO CENTER OF PAINTED LINES AND FROM EDGE OF TAR / RUMBLE BLOCKS TO CENTER OF PAINTED LINES.



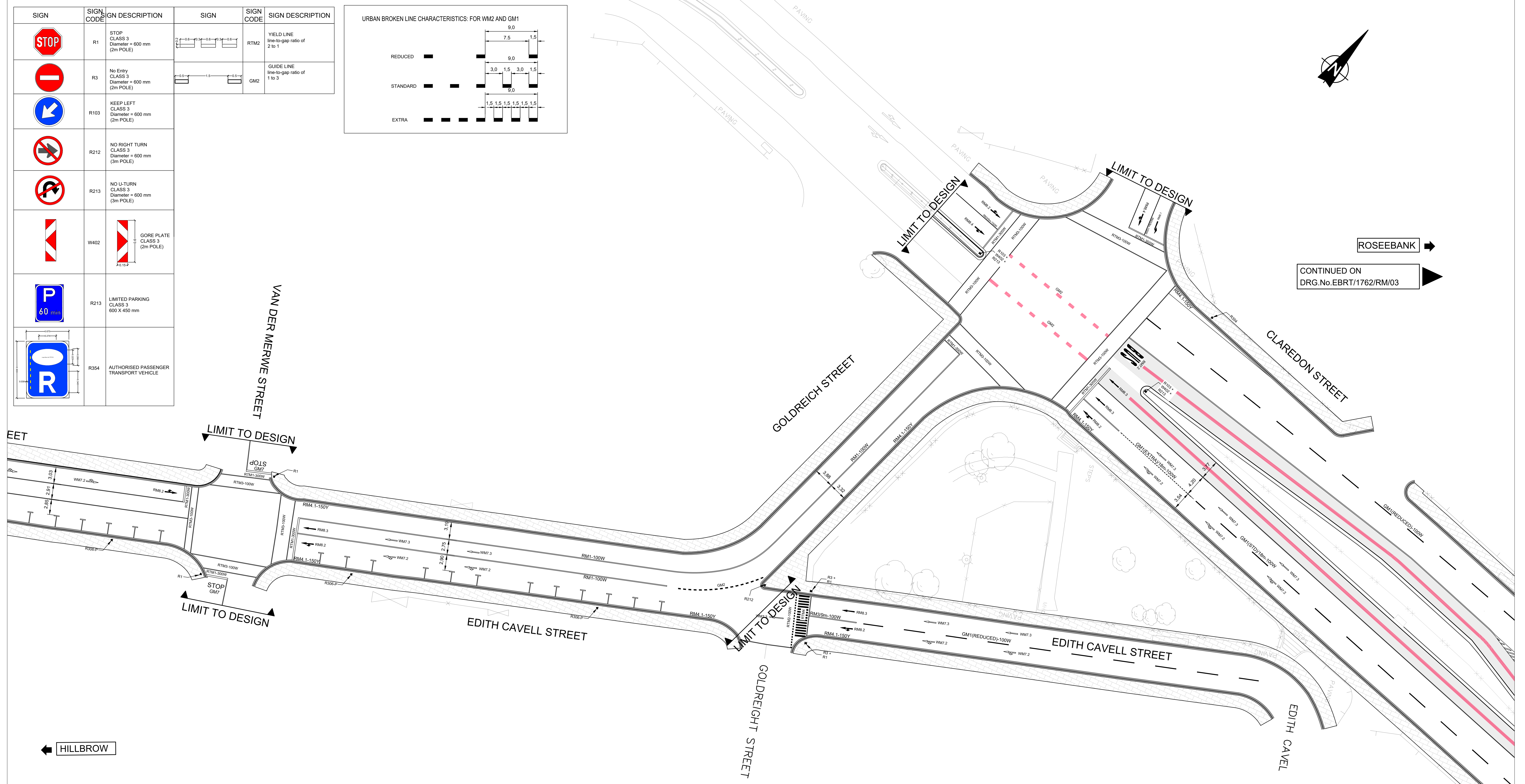
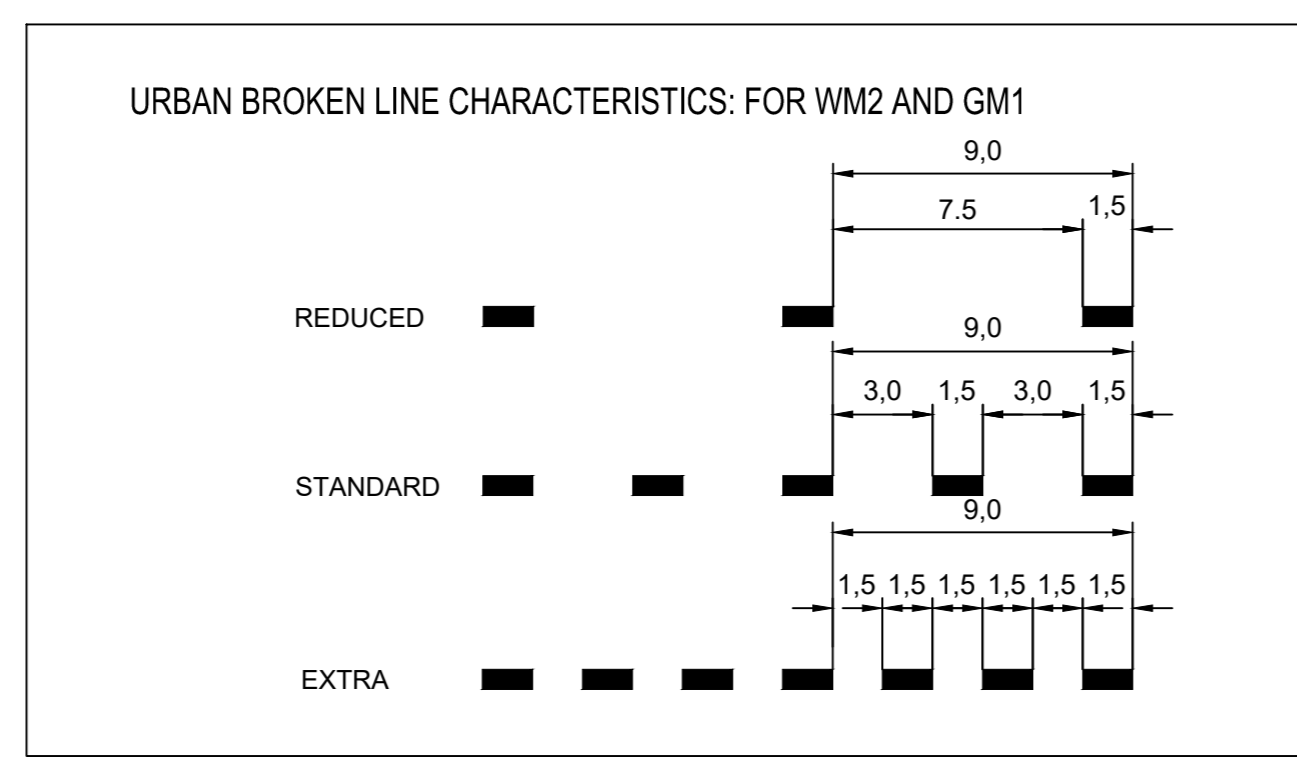
SIGN	SIGN CODE	SIGN DESCRIPTION	SIGN	SIGN CODE	SIGN DESCRIPTION
	R1	STOP CLASS 3 Diameter = 600 mm (2m POLE)		RTM2	YIELD LINE line-to-gap ratio of 2 to 1
	R3	No Entry CLASS 3 Diameter = 600 mm (2m POLE)		GM2	GUIDE LINE line-to-gap ratio of 1 to 3
	R4.1	One-Way CLASS 3 600 x 450 mm (2m POLE)			
	R213	LIMITED PARKING CLASS 3 600 X 450 mm			
	R354	AUTHORISED PASSENGER TRANSPORT VEHICLE			



ROSEBANK →
CONTINUED ON
DRG.No.EBRT/1762/RM/02 →

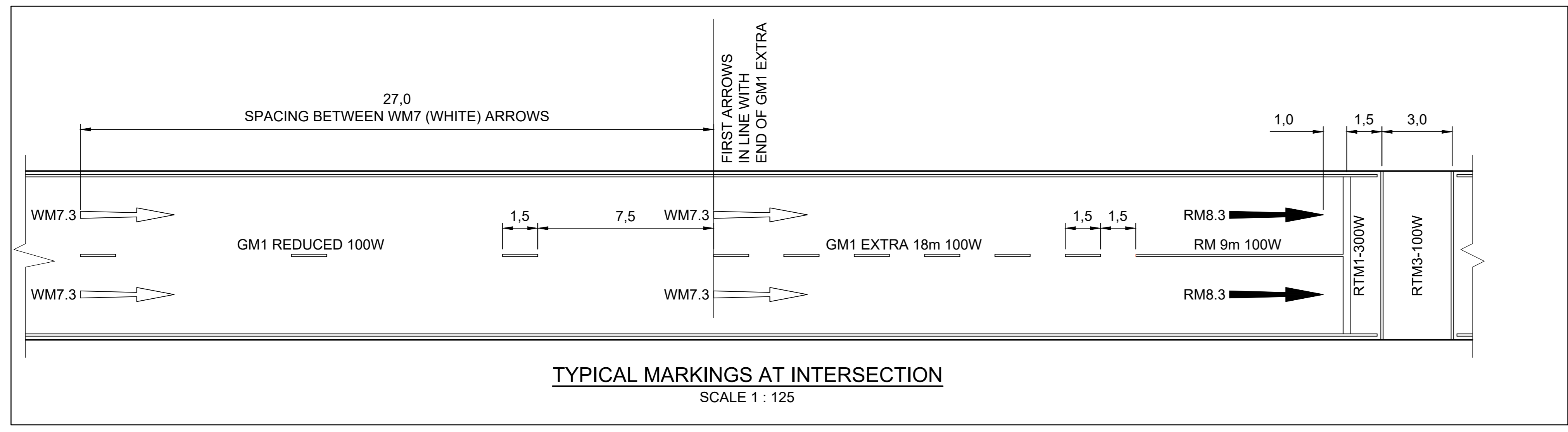
TENDER PURPOSES ONLY

SIGN	SIGN CODE	SIGN DESCRIPTION	SIGN	SIGN CODE	SIGN DESCRIPTION
	R1	STOP CLASS 3 Diameter = 600 mm (2m POLE)		RTM2	YIELD LINE line-to-gap ratio of 2 to 1
	R3	No Entry CLASS 3 Diameter = 600 mm (2m POLE)		GM2	GUIDE LINE line-to-gap ratio of 1 to 3
	R103	KEEP LEFT CLASS 3 Diameter = 600 mm (2m POLE)			
	R212	NO RIGHT TURN CLASS 3 Diameter = 600 mm (3m POLE)			
	R213	NO U-TURN CLASS 3 Diameter = 600 mm (3m POLE)			
	W402	GORE PLATE CLASS 3 (2m POLE)			
	R213	LIMITED PARKING CLASS 3 600 X 450 mm			
	R354	AUTHORISED PASSENGER TRANSPORT VEHICLE			



ROSEEBANK →
CONTINUED ON
DRG.No.EBRT/1762/RM/03 →

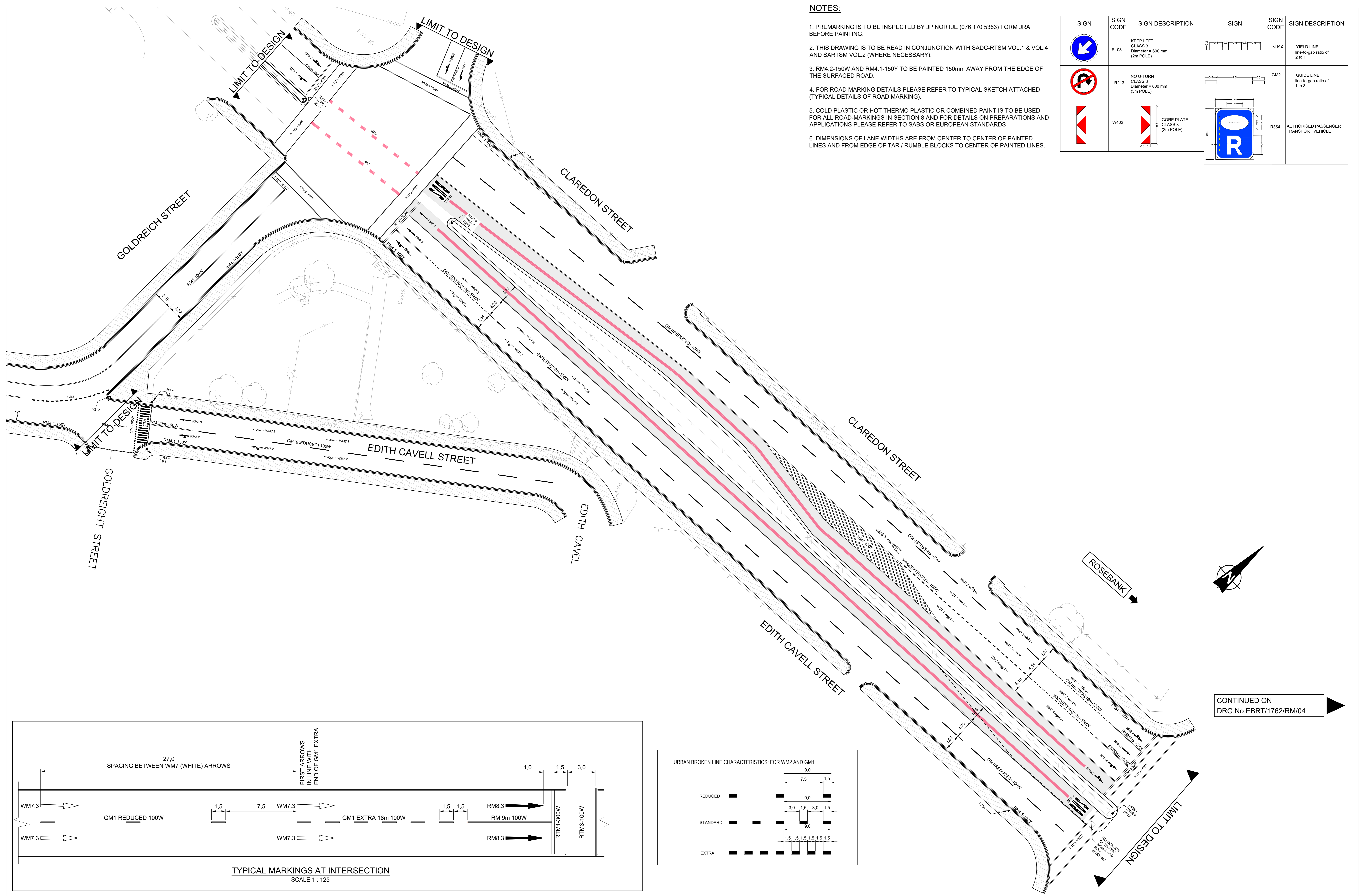
← HILLBROW



- NOTES:**
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 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH SADC-RTSM VOL.1 & VOL.4 AND SARTSM VOL.2 (WHERE NECESSARY).
 - RM4.2-150W AND RM4.1-150Y TO BE PAINTED 150mm AWAY FROM THE EDGE OF THE SURFACED ROAD.
 - FOR ROAD MARKING DETAILS PLEASE REFER TO TYPICAL SKETCH ATTACHED (TYPICAL DETAILS OF ROAD MARKING).
 - COLD PLASTIC OR HOT THERMO PLASTIC OR COMBINED PAINT IS TO BE USED FOR ALL ROAD-MARKINGS IN SECTION 8 AND FOR DETAILS ON PREPARATIONS AND APPLICATIONS PLEASE REFER TO SABS OR EUROPEAN STANDARDS
 - DIMENSIONS OF LANE WIDTHS ARE FROM CENTER TO CENTER OF PAINTED LINES AND FROM EDGE OF TAR / RUMBLE BLOCKS TO CENTER OF PAINTED LINES.

TENDER PURPOSES ONLY

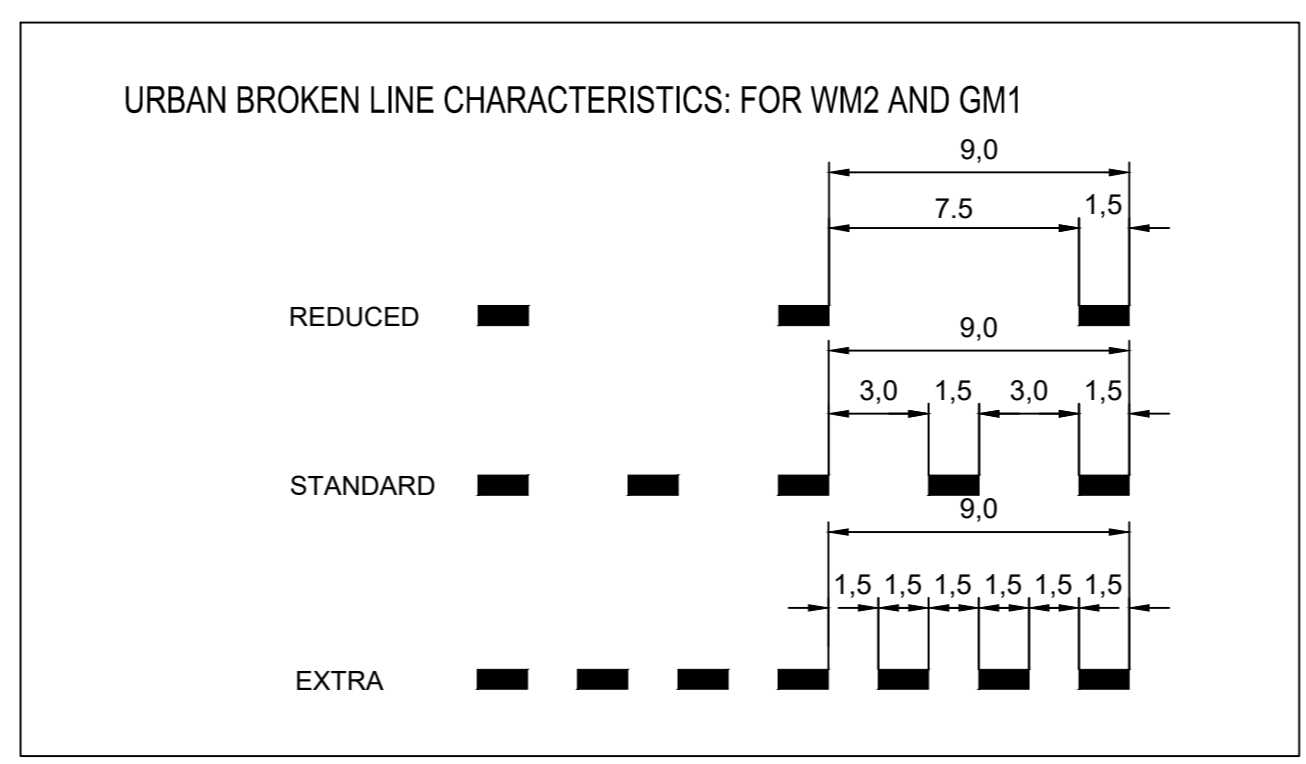
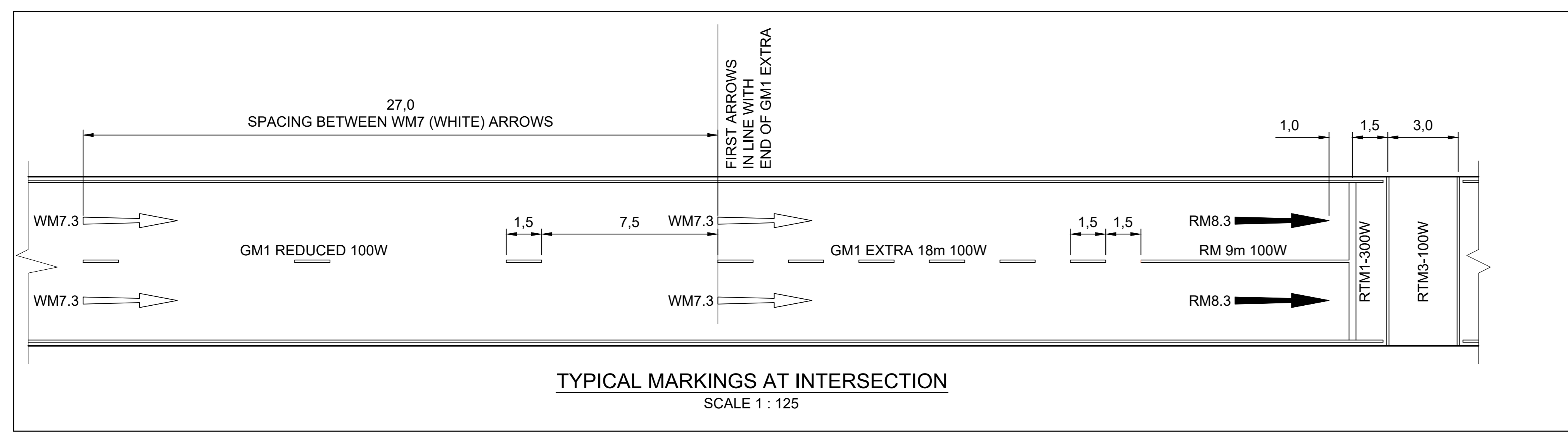
ISSUED FOR TENDER This document has been prepared in accordance with the scope of BMK's appointment. BMK accepts no liability for any use of this document other than by its client and only for the purposes for which it was prepared and provide For Client		CLIENT APPROVAL (Full signature) NAME: _____	CONSULTANT Office F10 33 Riley Road Pinewood Office Park Woodmead 2191 Tel: +27 11 234 0321 Fax: +27 11 234 0146 E-mail: admin@bmkgroup.co.za	CLIENT No 03 Helen Joseph Street Bus factory Newtown 2113 Tel: +27 11 688 7857 E-mail: www.jda.org.za	PROJECT REHABILITATION OF ROAD PAVEMENT AT EDITH CARVEL STREET INCLUDING PHASE 1C BRT ROUTES	DRAWING TITLE DEMARICATION, ROAD SIGNS & MARKING PLAN - EDITH CARVEL STREET	Approved by Design Leader NAME: T. RAMJOGI PR. TECH. ENG REG. NO: 2021300997 	Revision Level Code CD=CONCEPT DESIGN DD=DETAIL DESIGN T=TENDER C=CONSTRUCTION AB=AS-BUILT
Project Number: 1762 Drawing Number: EBRT/1762/RM/02	Revision: 00 Date: _____ Prepared by: _____ Checked by: _____ Approved by: _____ Consultant revision details: _____	Date: _____	Scale: 1:250					



NOTES:

1. PREMARKING IS TO BE INSPECTED BY JP NORTJE (076 170 5363) FORM JRA BEFORE PAINTING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH SADC-RTSM VOL.1 & VOL.4 AND SARTSM VOL.2 (WHERE NECESSARY).
3. RM4 2-150W AND RM4.1-150Y TO BE PAINTED 150mm AWAY FROM THE EDGE OF THE SURFACED ROAD.
4. FOR ROAD MARKING DETAILS PLEASE REFER TO TYPICAL SKETCH ATTACHED (TYPICAL DETAILS OF ROAD MARKING).
5. COLD PLASTIC OR HOT THERMO PLASTIC OR COMBINED PAINT IS TO BE USED FOR ALL ROAD-MARKINGS IN SECTION 8 AND FOR DETAILS ON PREPARATIONS AND APPLICATIONS PLEASE REFER TO SABS OR EUROPEAN STANDARDS
6. DIMENSIONS OF LANE WIDTHS ARE FROM CENTER TO CENTER OF PAINTED LINES AND FROM EDGE OF TAR / RUMBLE BLOCKS TO CENTER OF PAINTED LINES.

SIGN	SIGN CODE	SIGN DESCRIPTION	SIGN	SIGN CODE	SIGN DESCRIPTION
	R103	KEEP LEFT CLASS 3 Diameter = 600 mm (2m POLE)		RTM2	YIELD LINE line-to-gap ratio of 2 to 1
	R213	NO U-TURN CLASS 3 Diameter = 600 mm (3m POLE)		GM2	GUIDE LINE line-to-gap ratio of 1 to 3
	W402	GORE PLATE CLASS 3 (2m POLE)		R354	AUTHORISED PASSENGER TRANSPORT VEHICLE



CONTINUED ON
DRG.No.EBRT/1762/RM/04

FOR MUNICIPAL SUBMISSION