Traffic Management Plan

RESIDENTIAL DEVELOPMENT

Prepared for: MERITON

Prepared By: Matthew Young
RTA Design & Inspect Traffic Control Plans
Certificate #: 2243011145 Exp: 03/02/2014

Wednesday, 25 May 2011
Document Number: NRSP9451 R1

NRS TRAFFIC PLANNING
1300 440 730
Fax: 02 8580 4890
PO Box 4051, Penrith Plaza NSW 2750
www.nationalroadsealing.com

Table of Contents

1 Project Details

1.1 Project Summary

Project: Residential development
Location: 132-138 Killeaton Street, St Ives NSW 2075
Hours of Operation: As per DA condition Part E (E8) - (Mon-Fri 7:00am-6:00pm, Saturday, 8am-2pm and no work Sundays and public holidays)

Excavation or removal of materials using machinery of any kind to be completed between Mon-Fri 7:30am-5:00pm, with a respite break of 45mins between 12 noon and 1:00pm

DA# MP10_0057 Dated April 2009
DA condition B4 is addressed in part via this management plan. The construction management plan is being prepared by the developer and builder: Meriton Apartments.

1.2 Scope of Works

Construction of new residential apartments

This traffic management plan only covers the stage(s) listed below, all subsequent stages will require amendments and additional plans to be prepared.

Included Stage(s):
1. Demolition and Excavation.
2. Construction

1.3 Map

2 Proposed Construction Vehicle Management

2.1 Site Entry & Exit

VEHICLES HEADING SOUTHBOUND - MONA VALE ROAD
Entry - Heading southbound on Mona Vale Road, turn left onto Killeaton Street and then right into site in a forward facing direction.
Exit - In a forward facing direction turn left from site onto Killeaton Street, then left onto Mona Vale Road.

VEHICLES HEADING NORTHBOUND - MONA VALE ROAD
Entry - Heading Northbound on Monavale Road, turn right onto Link Road then left onto Stanley Street, left at Yarrabung Road, left onto Killeaton Street and then left into site in a forward facing direction.
Exit - In a forward facing direction turn left from site onto Killeaton Street, then left onto Mona Vale Road..

Temporary vehicular crossover for the site vehicle access to be approved by Council and constructed in accordance with council approval.

Prior to exit from site all loads must be covered as per DA Part E (E17).

2.2 Vehicle Movements within site

Minimal movement within site during excavation.

2.3 Work Zones

There is sufficient space on site for setting down and picking up the goods being taken to or from the site. However, a works zone may be considered on Killeaton Street during the construction phase of the development.

2.4 Standing Plant Locations (i.e Cranes)

All plant and equipment will be operated from within the site as per DA Part E (E7). Further approval to be sought from council of required as per DA Advisory Notes (AN4)

2.5 Parking for Site Workers

Site workers to park within the site boundaries or on the RTA/Council approved street car spaces.

2.6 Loading and Unloading of Equipment and Materials

All vehicles to be loaded with excavated materials within site boundaries only.

2.7 Storage of Equipment, Materials and Waste

The storage area for all equipment, materials and waste are within site boundaries.

2.8 Removal of Excavated Materials from Site

Vehicles will be loaded with excavated materials within site boundaries. Shaker pad installed at exit point to minimise materials contaminating surrounding roads. All vehicles must use approved entry and exit routes (See appendix A).

3 Project Impact

3.1 Residents

Existing residential driveways and access points will not be affected by this project.

3.2 Pedestrians & Cyclists

Existing pedestrian and cyclists access along Killeaton Street will be affected only during construction of vehicular crossover & footpaths.

3.3 Emergency Services

Access along Killeaton Street will remain as per normal conditions, traffic controllers to give priority to emergency services vehicles when required.

3.4 Local Traffic

Minimal disruption to normal traffic flows when traffic controllers are operating. All site vehicles are to enter and exit site in a forward facing manner to minimise disruption.

3.5 Impact on Community & Businesses

No community or business impact

3.6 Predicted Traffic Volumes & Routes

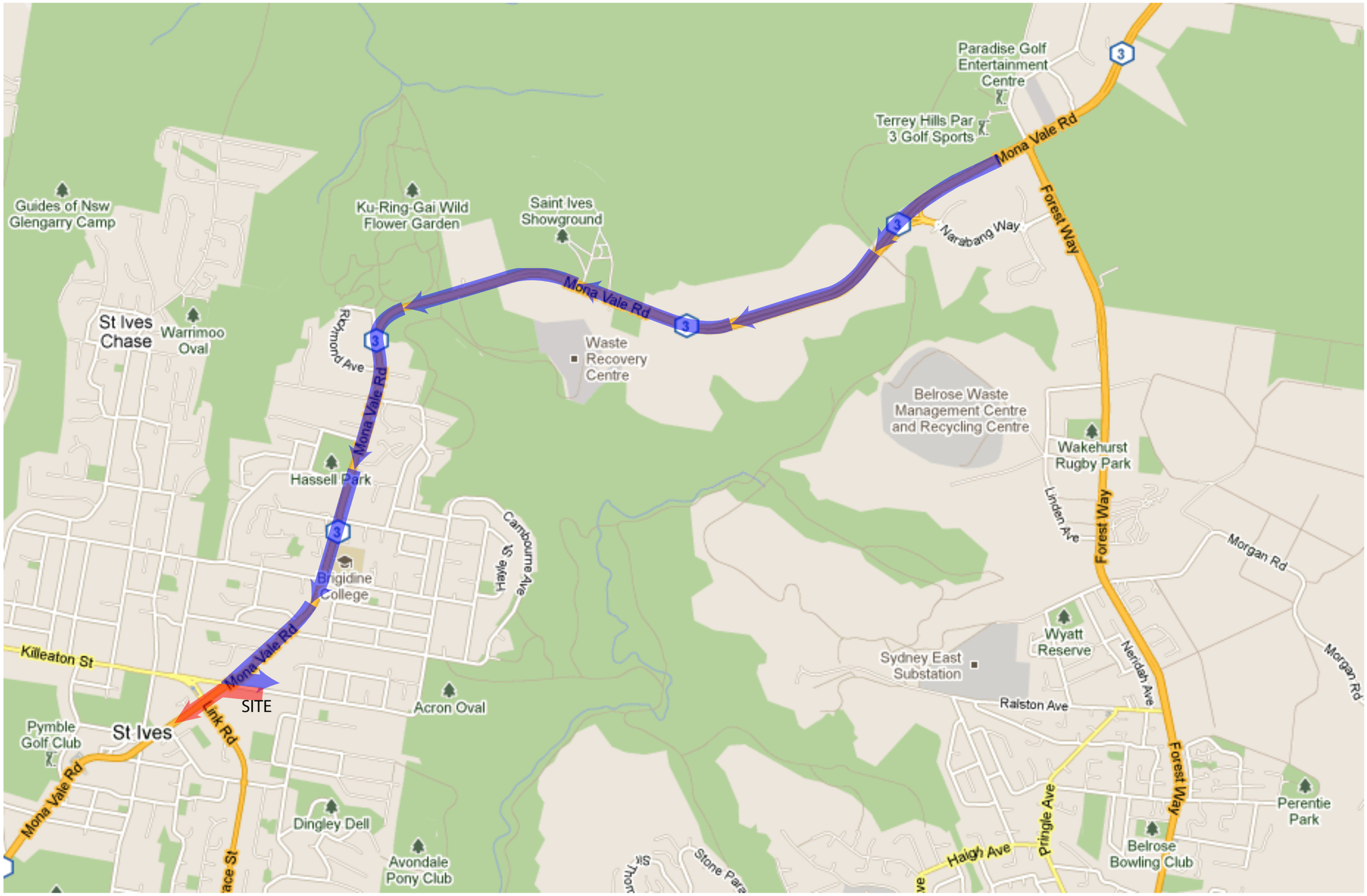
On peak day truck movements to exceed 20 movements per day.

Current traffic volumes estimated between < 3000ADT (Average Daily Traffic).

Vehicle routes see Appendix A for details.

Appendix A - Traffic Control Plans

NRSP9452 - Site Entry & Exit Routes - Southbound vehicles - Mona Vale Road
NRSP9453 - Site Entry & Exit Routes - Northbound vehicles - Mona Vale Road
NRSP9454 - Site Entry / Exit - Traffic Controllers (Route 1)
NRSP9454 - Site Entry / Exit - Traffic Controllers (Route 2)
NRSP9455 - Vehicular Crossover Construction
NRSP9456 - Footpath Construction



VEHICLE ROUTE - SOUTHBOUND MONA VALE ROAD

SITE ENTRY ROUTE

SITE EXIT ROUTE

RECOMMENDED MAXIMUM SPACING OF CONES AND BOLLARDS		
Purpose an usage	Approach Speed (km/h)	Max Spacing (m)
All purposes on residential or commercial streets	<=50	4
Center-line on approach to Traffic Controller position	All Cases	4
Outer edge of traffic lane - i.e. working on shoulder	51-70 / >70	18 / 24
Separating opposing traffic on 2 lane 2 way road	51-70 / >70	12 / 18
separating opposing traffic on a multilane undivided road	51-70 / >70	12 / 18
adjacent to a closed lane on a multilane road	51-70 / >70	18 / 24
Merge tapers	51-70 / >70	9 / 12
Lateral shift tapers	51-70 / >70	12 / 18
Protecting freshly painted lines	51-70 / >70	24 / 60
FIGURES EXTRACTED FROM RTA TCWS MANUAL v4.0 (TABLES 5.1 & 5.2). REFER TO MANUAL FOR FURTHER INFO		

RECOMMENDED TAPER LENGTHS			
Approach speed (km/h)	Traffic control at start	Lateral shift taper	Merge taper
< 45	15	0	15
46-55	15	15	30
56-65	30	30	60
66-75	N/A	70	115
76-85	N/A	80	130
86-95	N/A	90	145
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Project/Event:	RESIDENTIAL DEVELOPMENT			
Location:	132-138 KILLEATON STREET, ST IVES NSW			
Client :	MERITON			
Plan No.	NRSP9452	A	Date:	25TH MAY 2011
SCALE: NOT TO SCALE				

N

PREPARED BY: MATTHEW YOUNG
RTA DESIGN & INSPECT TRAFFIC CONTROL PLANS
CERTIFICATE No. 2243011145
Expiry: 04/02/2014

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DATE		DESCRIPTION
	E	
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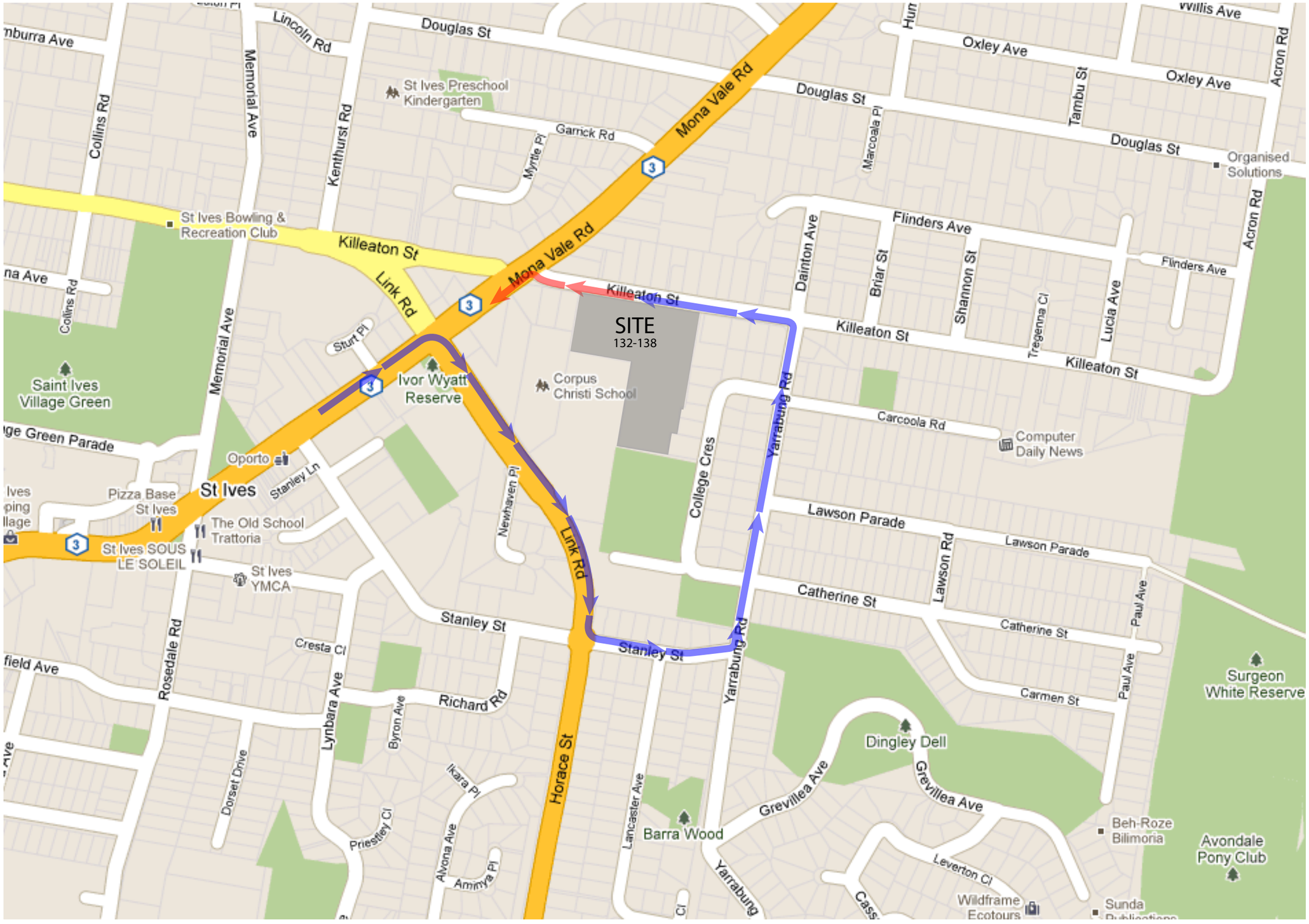
25/05/11	A	INITIAL SUBMISSION



VEHICLE ROUTE - NORTHBOUND MONA VALE ROAD

RECOMMENDED MAXIMUM SPACING OF CONES AND BOLLARDS		
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Plan No.	NRSP9453	A	Date:	25TH MAY 2011
SCALE: NOT TO SCALE				

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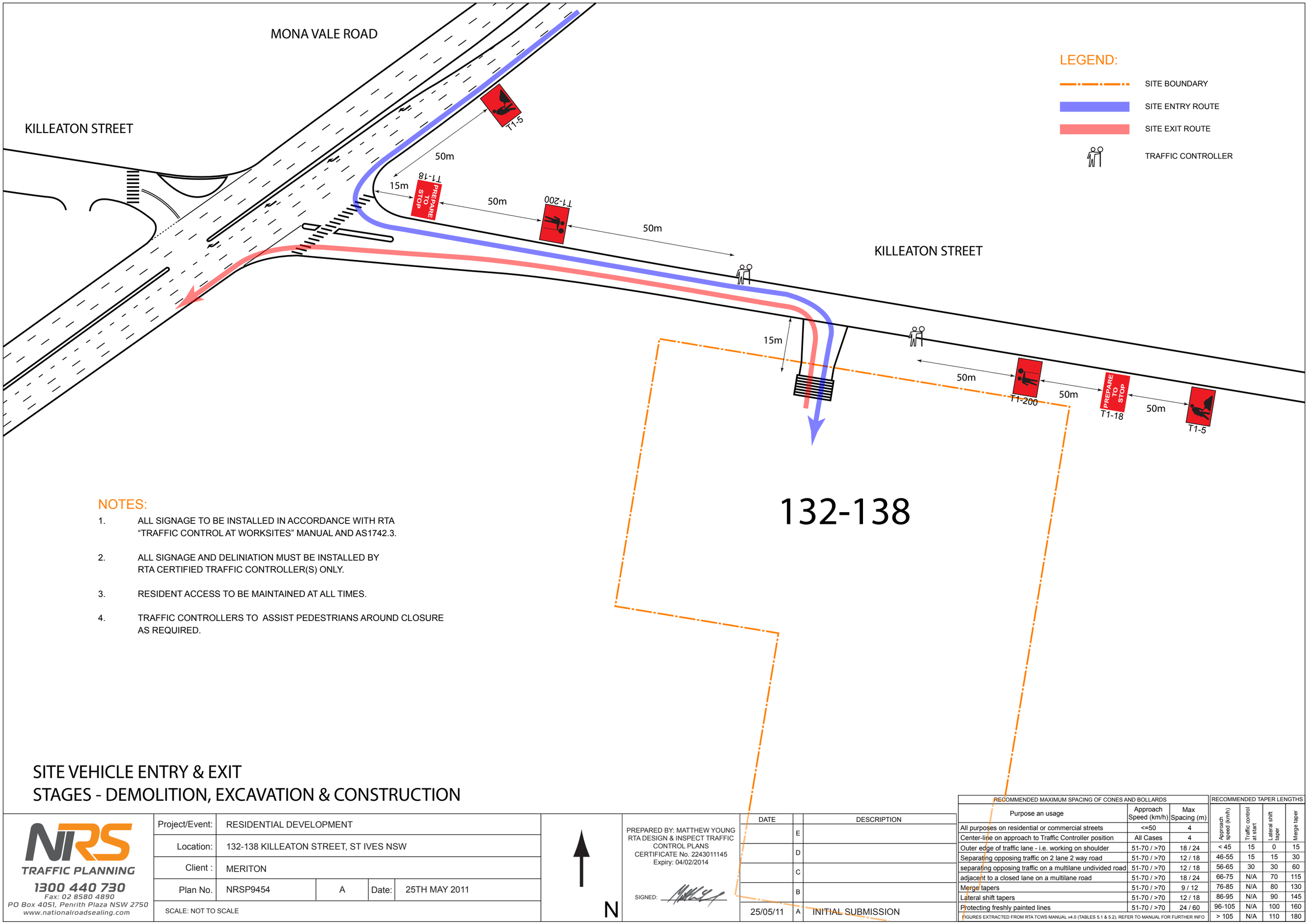

NOTES:

1. ALL SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH RTA "TRAFFIC CONTROL AT WORKSITES" MANUAL AND AS1742.3.
2. ALL SIGNAGE AND DELINIATION MUST BE INSTALLED BY RTA CERTIFIED TRAFFIC CONTROLLER(S) ONLY.
3. RESIDENT ACCESS TO BE MAINTAINED AT ALL TIMES.
4. TRAFFIC CONTROLLERS TO ASSIST PEDESTRIANS AROUND CLOSURE AS REQUIRED.

SITE VEHICLE ENTRY & EXIT
STAGES - DEMOLITION, EXCAVATION & CONSTRUCTION

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Project/Event:	RESIDENTIAL DEVELOPMENT			
Location:	132-138 KILLEATON STREET, ST IVES NSW			
Client :	MERITON			
Plan No.	NRSP9454	A	Date:	25TH MAY 2011
SCALE: NOT TO SCALE				

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CERTIFICATE No. 2243011145
Expiry: 04/02/2014

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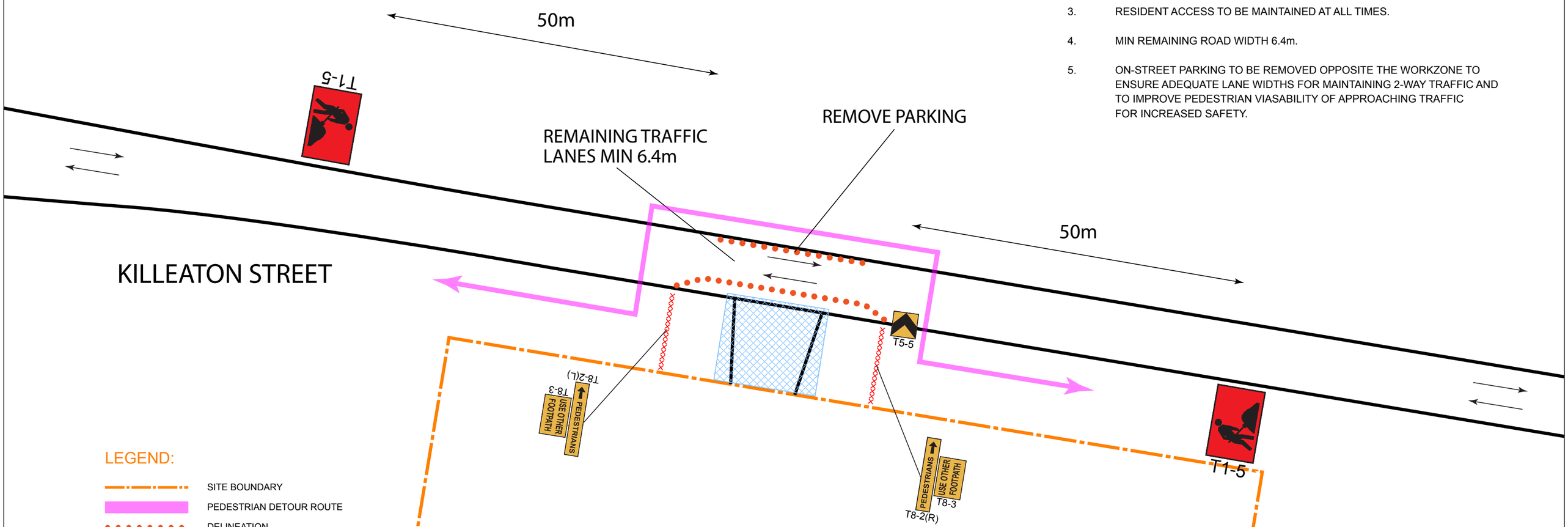
3. RESIDENT ACCESS TO BE MAINTAINED AT ALL TIMES.
4. MIN REMAINING ROAD WIDTH 6.4m.
5. ON-STREET PARKING TO BE REMOVED OPPOSITE THE WORKZONE TO ENSURE ADEQUATE LANE WIDTHS FOR MAINTAINING 2-WAY TRAFFIC AND TO IMPROVE PEDESTRIAN VIASABILITY OF APPROACHING TRAFFIC FOR INCREASED SAFETY.



LEGEND:

- SITE BOUNDARY
- PEDESTRIAN DETOUR ROUTE
- DELINEATION
- WORK ZONE

132-138

VEHICULAR CROSSOVER CONSTRUCTION

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PO Box 4051, Penrith Plaza NSW 2750
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Project/Event:	RESIDENTIAL DEVELOPMENT			
Location:	132-138 KILLEATON STREET, ST IVES NSW			
Client :	MERITON			
Plan No.	NRSP9455	A	Date:	25TH MAY 2011
SCALE: NOT TO SCALE				

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PREPARED BY: MATTHEW YOUNG
RTA DESIGN & INSPECT TRAFFIC CONTROL PLANS
CERTIFICATE No. 2243011145
Expiry: 04/02/2014

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25/05/11	A	INITIAL SUBMISSION

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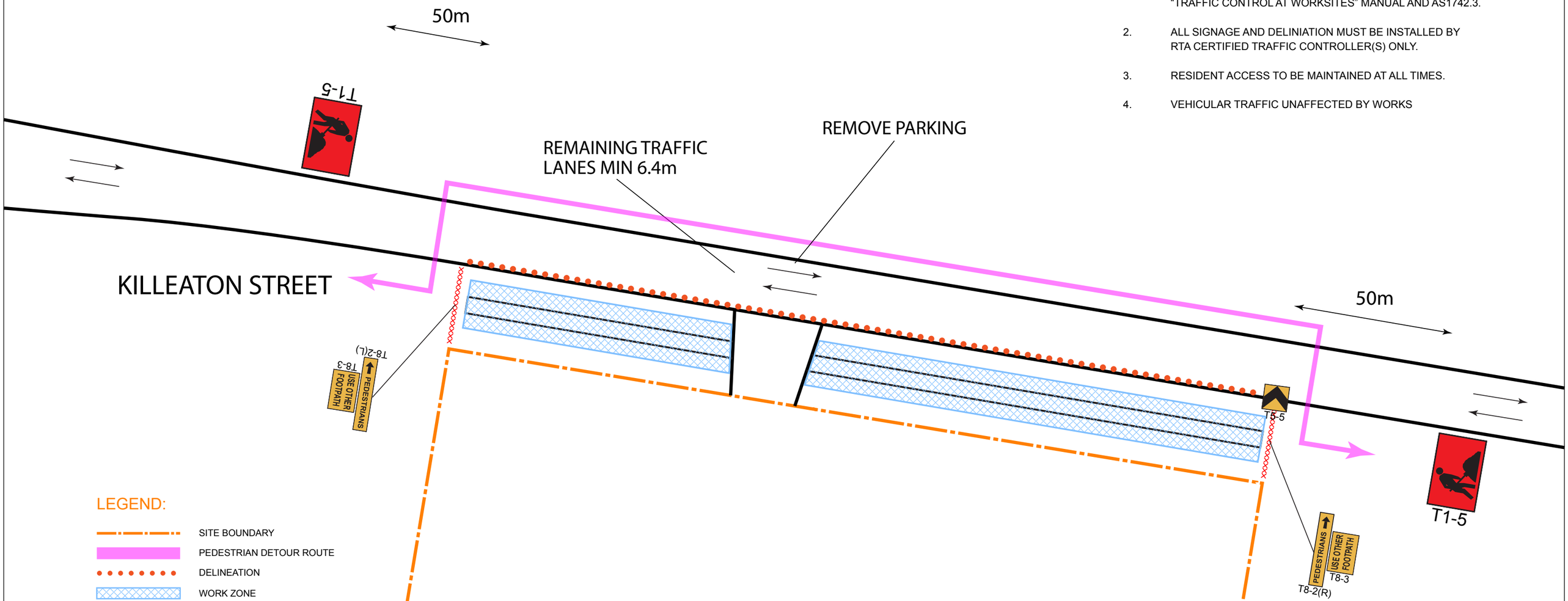
4. VEHICULAR TRAFFIC UNAFFECTED BY WORKS



LEGEND:

- SITE BOUNDARY
- PEDESTRIAN DETOUR ROUTE
- DELINEATION
- WORK ZONE

132-138

FOOTPATH CONSTRUCTION

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PO Box 4051, Penrith Plaza NSW 2750
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Project/Event:	RESIDENTIAL DEVELOPMENT			
Location:	132-138 KILLEATON STREET, ST IVES NSW			
Client :	MERITON			
Plan No.	NRSP9456	A	Date:	25TH MAY 2011
SCALE: NOT TO SCALE				

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PREPARED BY: MATTHEW YOUNG
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CERTIFICATE No. 2243011145
Expiry: 04/02/2014

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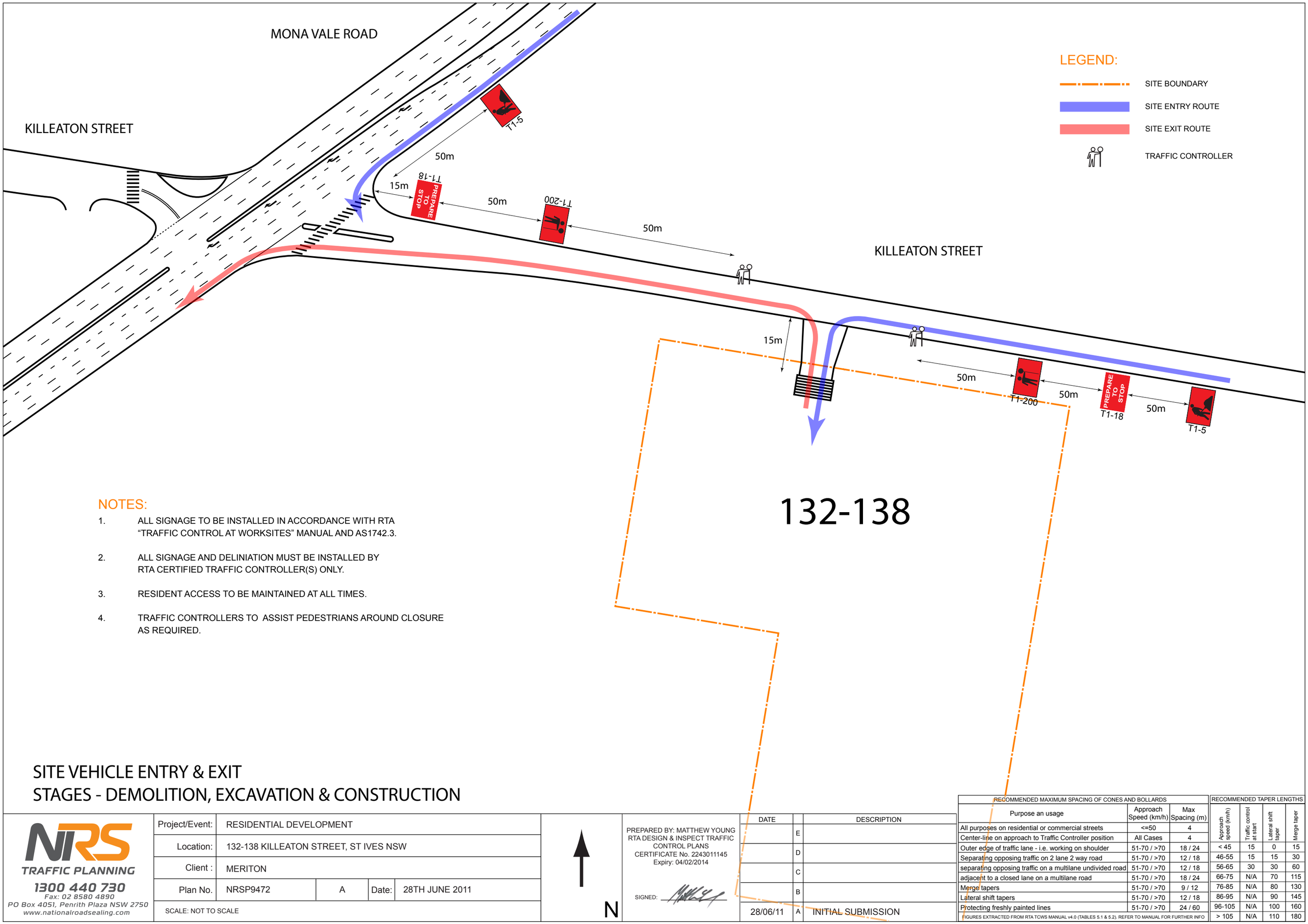

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STAGES - DEMOLITION, EXCAVATION & CONSTRUCTION

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Project/Event:	RESIDENTIAL DEVELOPMENT			
Location:	132-138 KILLEATON STREET, ST IVES NSW			
Client :	MERITON			
Plan No.	NRSP9472	A	Date:	28TH JUNE 2011
SCALE: NOT TO SCALE				

N

PREPARED BY: MATTHEW YOUNG
RTA DESIGN & INSPECT TRAFFIC CONTROL PLANS
CERTIFICATE No. 2243011145
Expiry: 04/02/2014

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DATE		DESCRIPTION
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28/06/11	A	INITIAL SUBMISSION

RECOMMENDED MAXIMUM SPACING OF CONES AND BOLLARDS		
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All purposes on residential or commercial streets	<=50	4
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