

# **WAVERLEY TRAFFIC COMMITTEE MEETING**

A meeting of the WAVERLEY TRAFFIC COMMITTEE will be held at by video conference at:

**10.00 AM, THURSDAY 24 SEPTEMBER 2020** 

Waverley Council PO Box 9 Bondi Junction NSW 1355 DX 12006 Bondi Junction Tel. 9083 8000

E-mail: info@waverley.nsw.gov.au

#### **AGENDA**

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#### **Declarations of Interests**

Adoption of Previous Minutes by Council - 27 August 2020 ...... 8

The recommendations contained in Part 1 – Matters Proposing that Council Exercise its Delegated Functions – of the minutes of the Waverley Traffic Committee meeting held on 27 August 2020 were adopted by Council at its meeting on 15 September 2020 with the following change:

1. TC/V.07/20.08 – Curlewis Street Pop-up Cycleway Concept Plan.

Council adopted the recommendation of the Traffic Committee, subject to amendments to clauses 3 and 4 and the addition of a new clause 10, such that the recommendation now reads as follows:

#### 'That Council:

- 1. Approves the concept design for a temporary pop-up cycleway along Curlewis Street between Campbell Parade and Old South Head Road as documented in Attachment 1 (Curlewis Street Pop-up Cycleway for August TC), subject to detailed design.
- 2. Delegates authority to Executive Manager, Infrastructure Services, to modify the design following preparation of detailed plans by TfNSW with input from Council officers.
- 3. Notes that Transport for NSW:
  - (a) Notified residents and businesses along Curlewis Street of the proposed pop-up cycleway on Saturday, 5 September 2020, and intends to consider any community feedback when developing the detailed design.
  - (b) Intends to issue a follow up notification at least five days before construction works commence.
  - (c) Is estimating that construction will start in late October 2020.
- 4. Officers conduct broad community consultation from February 2021 on the pop-up cycleway and the possibility of the cycleway becoming permanent following the temporary pop-up scheme.
- 5. Requires that the detailed design process to be undertaken includes a road safety assessment for the following three options:
  - (a) A safe north-south crossing of Curlewis Street at the pedestrian crossing on the western side of Gould Street.

- (b) A safe north-south crossing of Curlewis Street at the Glenayr Avenue signalised intersection.
- (c) No crossing of Curlewis Street with the cycleway to run along the northern side of Curlewis Street between Gould Street and Campbell Parade.
- 6. Requires that the detailed design includes an examination of potential conflict between traffic westbound on Curlewis Street turning right into Old South Head Road and cyclists crossing Old South Head Road. The assessment is to consider the potential need to introduce a right-turn arrow for the turn from Curlewis Street within the signal design.
- 7. Requires that the 40 km/h speed limit on the eastern end of Curlewis Street is extended to Old South Head Road upon opening of the cycleway.
- 8. Officers complete a detailed review of cyclist transition to and from the cycleway at Campbell Parade.
- 9. Officers investigate the implications of the cycleway along Curlewis Street upon deliveries to and from commercial premises and loading/truck zones.
- 10. Receives a briefing report at the Strategic Planning and Development Committee meeting on 3 November 2020, or as appropriate, which includes any changes to the current concept design along Curlewis Street, and an updated timetable for construction and operation of both the Waverley and Woollahra components of the Beach to Bay pop-up cycleway.'

#### PART 1 - MATTERS PROPOSING THAT COUNCIL EXERCISE ITS DELEGATED FUNCTIONS

NOTE: The matters listed under this part of the agenda propose that Council either does or does not exercise the traffic related functions delegated to it by TfNSW. The recommendations made by the Committee under this part of the agenda will be submitted to Council for adoption.

#### TC/C STATE ELECTORATE OF COOGEE

TC/C.01/20.09 40 km/h Speed Limit Changes - Traffic Control Devices (Group 2) (A18/0579) ... 16

# **COUNCIL OFFICER'S PROPOSAL:**

#### That Council:

- 1. Approves the designs of the 23 traffic control treatments attached to this report for construction at:
  - (a) Tamarama Marine Drive, Tamarama (at the rear of 23 Thompson Street) 75 mm high speed hump.
  - (b) 67 Watson Street, Bondi 75 mm high speed hump.
  - (c) 458 Bronte Road, Bronte 100 mm high speed hump.
  - (d) 492 Bronte Road, Bronte 100 mm high speed hump.
  - (e) 18 Brown Street, Bronte 100 mm high speed hump.

- (f) 62 Hewlett Street, Bronte 75 mm high speed hump.
- (g) 44 Victoria Street, Waverley 100 mm high speed hump.
- (h) Queens Park Road at Bourke Street, Queens Park Pedestrian refuge.
- (i) 47 York Road, Queens Park 100 mm high speed hump.
- (j) Dickson Street at Birrell Street, Bronte Kerb build-out.
- (k) Dickson Street at Read Street, Bronte 100 mm speed hump and kerb build-out.
- (I) 25 Murray Street, Bronte 75 mm high speed hump.
- (m) 37 Murray Street, Bronte 75 mm high speed hump.
- (n) Lugar Street at Brae Street, Bronte Kerb build-out.
- (o) 2 Birrell Street, Bondi Junction Raised pedestrian crossing.
- (p) 67 Birrell Street, Queens Park—Raised pedestrian crossing.
- (q) Birrell Street at Henrietta Street, Waverley Raised pedestrian crossing.
- (r) Pacific Street at Bronte Road, Bronte Splitter island.
- (s) 93 Ocean Street, Bondi 100 mm speed hump.
- (t) Park Parade at Birrell Street, Bondi Kerb build-outs.
- (u) Evans Street at Brae Street, Bronte 100 mm speed hump and kerb build-out.
- (v) 13 Sandridge Street, Bondi 75 mm speed hump.
- (w) Bourke Street at Bourke Lane, Queens Park 75 mm speed hump and kerb build-out.
- 2. Delegates authority to the Executive Manager, Infrastructure Services, to modify the designs should on-site circumstances warrant changes.

#### **COUNCIL OFFICER'S PROPOSAL:**

#### That:

- 1. Council approves the temporary full closure of Macpherson Street, Bronte, between Albion Street and Leichhardt Street, on Sunday, 31 January 2021, from 4.00 am to 11.00 pm, subject to the applicant:
  - (a) Obtaining approval from NSW Police.

- (b) Notifying the State Transit Authority, NSW Ambulance Service and NSW Fire and Rescue.
- (c) Notifying local residents and businesses prior to the event.
- (d) Using Transport-for-NSW-accredited traffic controllers.
- (e) Covering all costs associated with closing the road, including traffic control.
- 2. A Council officer be on-site for the duration of the works at the applicant's expense, and that this be communicated to the applicant.
- 3. Council delegates authority to the Executive Manager, Infrastructure Services, to approve any backup date and times, if required.

#### **COUNCIL OFFICER'S PROPOSAL:**

#### That Council:

- 1. Endorses the 100% detailed design for Arden Street between Varna Street and Chesterfield Parade, Waverley, attached to this report (Attachment 2).
- 2. Delegates authority to the Executive Manager, Infrastructure Services, to modify the design should circumstances arise during the delivery of the project.

TC/C.04/20.09 1 Scott Street, Bronte - 'P Disability Only' Zone (A18/0719)...... 116

#### **COUNCIL OFFICER'S PROPOSAL:**

That Council installs a 5.4 m 'P Disability Only' zone outside 1 Scott Street, Bronte.

TC/C.05/20.09 100 St James Road, Bondi Junction - 'P Disability Only' Zone (A18/0719)....... 120

#### **COUNCIL OFFICER'S PROPOSAL:**

That Council installs a 5.4 'P Disability Only' Zone outside 100 St James Road, Bondi Junction, centred at the property frontage.

#### TC/C.06/20.09 110-116 Bronte Road, Bondi Junction - Construction Zone (A03/2514-04)...... 124

#### **COUNCIL OFFICER'S PROPOSAL:**

#### That Council:

- 1. Installs an 11.5 m 'No Parking 7 am–5 pm Mon–Fri, 8 am–3 pm Saturday Council Authorised Vehicles' construction zone along the frontage of 116 Bronte Road, Bondi Junction, on Porter Street.
- 2. Delegates authority to the Executive Manager, Infrastructure Services, to adjust the length and duration of, or remove, the construction zone, as necessary.

#### TC/V STATE ELECTORATE OF VAUCLUSE

#### **COUNCIL OFFICER'S PROPOSAL:**

That Council installs a 1.5 m unbroken yellow (C3) No Stopping line between 30 Anglesea Street and 32 Anglesea Street, Bondi.

TC/V.02/20.09 21 Curlewis Street, Bondi Beach - Construction Zone (A03/2514-04)...... 130

#### **COUNCIL OFFICER'S PROPOSAL:**

# That:

- 1. Council installs a 9 m 'No Parking 7 am–5 pm Mon–Fri, 8 am–3 pm Saturday Council Authorised Vehicles' construction zone at 21 Curlewis Street, Bondi Beach.
- 2. The construction zone be 7 m at the frontage of 21 Curlewis Street, 1 m in front of 19 Curlewis Street and 1 m in front of 23 Curlewis Street.
- 3. Council delegates authority to the Executive Manager, Infrastructure Services, to adjust the length and duration of, or remove, the construction zone, as necessary.

TC/V.03/20.09 98-102 Brighton Boulevard, North Bondi - Construction Zone (A03/2514-04).. 134

#### **COUNCIL OFFICER'S PROPOSAL:**

#### That Council:

- 1. Installs a 16 m 'No Parking 7 am–5 pm Mon–Fri, 8 am–3 pm Saturday Council Authorised Vehicles' construction zone along the frontage of 98–102 Brighton Boulevard, North Bondi.
- 2. Delegates authority to the Executive Manager, Infrastructure Services, to adjust the length and duration of, or remove, the construction zone, as necessary.

# TC/CV ELECTORATES OF COOGEE AND VAUCLUSE

Nil.

# PART 2 – TRAFFIC ENGINEERING ADVICE

NOTE: The matters listed under this part of the agenda seek the advice of the WTC only and do not propose that Council exercise its delegated functions at this point in time (though they may or may not require it in the future).

TC/TEAC STATE ELECTORATE OF COOGEE

Nil.

TC/TEAV STATE ELECTORATE OF VAUCLUSE

Nil.

TC/TEACV <u>ELECTORATES OF COOGEE AND VAUCLUSE</u>

Nil.

# MINUTES OF THE WAVERLEY TRAFFIC COMMITTEE MEETING HELD BY VIDEO CONFERENCE ON THURSDAY, 27 AUGUST 2020



#### **Voting Members Present:**

Cr P Masselos Waverley Council – Chair

Sgt L Barrett NSW Police – Eastern Suburbs Police Area Command – Traffic Services

Mr M Carruthers Transport for NSW – Network and Safety Officer

Mr P Pearce Representing Marjorie O'Neill MP, Member for Coogee Ms J Zin Representing Gabrielle Upton MP, Member for Vaucluse

**Also Present:** 

Cr T Kay Waverley Council – Alternate Chair

Mr C Hutcheson Waverley Council – Service Manager, Traffic and Transport

At the commencement of proceedings at 10.06 am, those present were as listed above.

#### **Apologies**

Apologies were received and accepted from Mr D Joannides, Executive Manager, Infrastructure Services.

# **Declarations of Pecuniary and Non-Pecuniary Interests**

The Chair called for declarations of interest and none were received.

#### Adoption of Previous Minutes by Council - 23 July 2020

The recommendations contained in Part 1 – Matters Proposing that Council Exercise its Delegated Functions – of the minutes of the Waverley Traffic Committee meeting held on 23 July 2020 were adopted by Council at its meeting on 18 August 2020, with the following change:

1. TC/V.04/20.07 - 4 Victory St, Rose Bay - Construction Zone.

Council adopted the recommendation of the Traffic Committee subject to the construction zone being moved 5.5 m to the east so that it includes the driveway of 4 Victory Street.

#### **ITEMS BY EXCEPTION**

The following items on the agenda were dealt with together and the Council Officer's Proposal for each item was unanimously supported by the Committee:

TC/V.03/20.08 383 Old South Head Road, North Bondi - 'P Disability Only' Zone.

TC/V.04/20.08 1-3 Warners Avenue, North Bondi - Proposed new Car Share Space.

TC/V.05/20.08 13 Blair Street, Bondi Beach - Construction Zone.

# PART 1 - MATTERS PROPOSING THAT COUNCIL EXERCISE ITS DELEGATED FUNCTIONS

NOTE: The matters listed under this part of the agenda propose that Council either does or does not exercise the traffic related functions delegated to it by TfNSW. The recommendations made by the Committee under this part of the agenda will be submitted to Council for adoption.

#### TC/C STATE ELECTORATE OF COOGEE

TC/C.01/20.08 Oxford Street Eastbound Bus Zone near Newland Street - Increase in Bus Zone Length (A14/0145)

#### **COUNCIL OFFICER'S PROPOSAL:**

That Council approves an extension of the existing eastbound bus zone on the northern side Oxford Street, just prior to Newland Street by 10 m towards Newland Street.

#### WTC RECOMMENDATION (UNANIMOUS SUPPORT):

That the Council Officer's Proposal be adopted.

Voting members present for this item: Representative of the Member for Coogee, NSW Police representative, TfNSW representative and Waverley Council representative (Chair).

TC/C.02/20.08 113 Macpherson Street, Bronte - Truck Zone and Associated Pallet Kerb Ramp (DA-231/2019)

#### **COUNCIL OFFICER'S PROPOSAL:**

That Council approves the installation of a 15.5 m 'Truck Zone, vehicles under 10 m only 9 am to 12 pm, Monday to Saturday. Taxi Zone at other times' replacing a 'Taxi Zone' outside 113 Macpherson Street, Bronte.

#### WTC RECOMMENDATION (UNANIMOUS SUPPORT):

That the Council Officer's Proposal be adopted subject to being amended to read as follows:

'That Council:

- (a) Approves the installation of a 15.5 m "Truck Zone, vehicles under 10 m only 9 am to 12pm (midday), Monday to Saturday. Taxi Zone at other times" replacing a "Taxi Zone" outside 113 Macpherson Street, Bronte.
- (b) Officers conduct a review of the use of the truck zone over a six-month period following the opening of the adjacent supermarket.'

Voting members present for this item: Representative of the Member for Coogee, NSW Police representative, TfNSW representative and Waverley Council representative (Chair).

#### TC/V STATE ELECTORATE OF VAUCLUSE

TC/V.01/20.08 10 Craig Avenue, Vaucluse - No Stopping Line (A14/0145)

#### **COUNCIL OFFICER'S PROPOSAL:**

That Council installs 7.5 m of unbroken yellow (C3) No Stopping line on the bend of Craig Avenue outside of property No. 10 between the existing pram ramp and the driveway to property number 10.

#### WTC RECOMMENDATION (UNANIMOUS SUPPORT):

That the Council Officer's Proposal be adopted subject to being amended to read as follows:

'That Council installs an unbroken yellow (C3) No Stopping line on the bend of Craig Avenue outside 10 Craig Avenue from the western side of the existing pram ramp and the driveway to 10 Craig Avenue.'

Voting members present for this item: Representative of the Member for Vaucluse, NSW Police representative, TfNSW representative and Waverley Council representative (Chair).

TC/V.02/20.08 42 Roe Street, North Bondi - Construction Zone (A03/2514-04)

#### **COUNCIL OFFICER'S PROPOSAL:**

That Council:

- 1. Installs a 9 m long 'No Parking 7 am–5 pm Mon–Fri, 8 am–3 pm Saturday Council Authorised Vehicles' zone in front of 42 Roe Street, North Bondi subject to the Complying Development Certificate for the site being lodged with Council.
- 2. Delegates authority to the Executive Manager, Infrastructure Services, to adjust the length and duration of, or remove, the construction zone, as necessary.

# WTC RECOMMENDATION (UNANIMOUS SUPPORT):

That the Council Officer's Proposal be adopted subject to the addition of a new clause 3, such that the recommendation now reads as follows:

#### 'That Council:

1. Installs a 9 m long "No Parking 7 am-5 pm Mon-Fri, 8 am-3 pm Saturday Council Authorised

Vehicles" zone in front of 42 Roe Street, North Bondi, subject to the Complying Development Certificate for the site being lodged with Council.

- 2. Delegates authority to the Executive Manager, Infrastructure Services, to adjust the length and duration of, or remove, the construction zone, as necessary.
- 3. Notes that the applicant will be charged fees for 12 m for the construction zone, which includes the driveway.'

Voting members present for this item: Representative of the Member for Vaucluse, NSW Police representative, TfNSW representative and Waverley Council representative (Chair).

TC/V.03/20.08 383 Old South Head Road, North Bondi - 'P Disability Only' Zone (A18/0719)

#### **COUNCIL OFFICER'S PROPOSAL:**

That Council installs a 6 m long 'P Disability Only' zone outside 383 Old South Head Road, North Bondi.

#### WTC RECOMMENDATION (UNANIMOUS SUPPORT):

That the Council Officer's Proposal be adopted.

Voting members present for this item: Representative of the Member for Vaucluse, NSW Police representative, TfNSW representative and Waverley Council representative (Chair).

TC/V.04/20.08 1-3 Warners Avenue, North Bondi - Proposed New Car Share Space (SF17/2465)

#### **COUNCIL OFFICER'S PROPOSAL:**

That Council approves the installation of one GoGet car share space in North Bondi outside 1–3 Warners Avenue, North Bondi (south side) 5.5 m long, immediately adjacent to the north-west side of driveway.

#### WTC RECOMMENDATION (UNANIMOUS SUPPORT):

That the Council Officer's Proposal be adopted.

Voting members present for this item: Representative of the Member for Vaucluse, NSW Police representative, TfNSW representative and Waverley Council representative (Chair).

TC/V.05/20.08 13 Blair Street, Bondi Beach - Construction Zone (A03/2514-04)

#### **COUNCIL OFFICER'S PROPOSAL:**

That Council:

1. Installs a 10.3 m long 'No Parking 7 am–5 pm Mon–Fri, 8 am–3 pm Saturday Council Authorised Vehicles' zone in front of 13 Blair Street Bondi Beach.

2. Delegates authority to the Executive Manager, Infrastructure Services, to adjust the length and duration of, or remove, the construction zone, as necessary.

#### WTC RECOMMENDATION (UNANIMOUS SUPPORT):

That the Council Officer's Proposal be adopted.

Voting members present for this item: Representative of the Member for Vaucluse, NSW Police representative, TfNSW representative and Waverley Council representative (Chair).

TC/V.06/20.08 Old South Head Road and Diamond Bay Road - Installation of Kerb Blisters and Line Marking (A14/0145)

#### **COUNCIL OFFICER'S PROPOSAL:**

That Council approves the installation and changes to kerb blister islands, chevron signs and line marking at the intersection of Old South Head Road with Diamond Bay Road as per Drawing 9001, Issue A, sheets 1, 2, 3, 4 as shown in the attachment to this report.

#### WTC RECOMMENDATION (UNANIMOUS SUPPORT):

That the Council Officer's Proposal be adopted.

Voting members present for this item: Representative of the Member for Vaucluse, NSW Police representative, TfNSW representative and Waverley Council representative (Chair).

#### TC/V.07/20.08 Curlewis Street Pop-up Cycleway Concept Plan (SF20/3091)

#### **COUNCIL OFFICER'S PROPOSAL:**

That Council:

- 1. Approves the concept design for a temporary pop-up cycleway along Curlewis Street between Campbell Parade and Old South Head Road as documented in Attachment 1 (Curlewis Street Pop-up Cycleway for August TC).
- 2. Delegates authority to Executive Manager, Infrastructure Services, to modify the design following preparation of detailed plans by TfNSW with input from Council officers.
- 3. Requires notification to residents as part of the Section 115 Emergency Legislation enacted by the Minister for Transport.
- 4. Officers conduct community consultation on the pop-up cycleway and the possibility of the cycleway becoming permanent following installation of the temporary pop-up scheme.

#### WTC RECOMMENDATION (UNANIMOUS SUPPORT):

That the Council Officer's Proposal be adopted subject to the addition of 5 new clauses, such that the recommendation now reads as follows:

#### 'That Council:

- 1. Approves the concept design for a temporary pop-up cycleway along Curlewis Street between Campbell Parade and Old South Head Road as documented in Attachment 1 (Curlewis Street Pop-up Cycleway for August TC), subject to detailed design.
- 2. Delegates authority to Executive Manager, Infrastructure Services, to modify the design following preparation of detailed plans by TfNSW with input from Council officers.
- 3. Requires notification to residents as part of the Section 115 Emergency Legislation enacted by the Minister for Transport.
- 4. Officers conduct community consultation on the pop-up cycleway and the possibility of the cycleway becoming permanent following installation of the temporary pop-up scheme.
- 5. Requires that the detailed design process to be undertaken includes a road safety assessment for the following three options:
  - (a) A safe north-south crossing of Curlewis Street at the pedestrian crossing on the western side of Gould Street.
  - (b) A safe north-south crossing of Curlewis Street at the Glenayr Avenue signalised intersection.
  - (c) No crossing of Curlewis Street with the cycleway to run along the northern side of Curlewis Street between Gould Street and Campbell Parade.
- 6. Requires that the detailed design includes an examination of potential conflict between traffic westbound on Curlewis Street turning right into Old South Head Road and cyclists crossing Old South Head Road. The assessment is to consider the potential need to introduce a right-turn arrow for the turn from Curlewis Street within the signal design.
- 7. Requires that the 40 km/h speed limit on the eastern end of Curlewis Street is extended to Old South Head Road upon opening of the cycleway.
- 8. Officers complete a detailed review of cyclist transition to and from the cycleway at Campbell Parade.
- 9. Officers investigate the implications of the cycleway along Curlewis Street upon deliveries to and from commercial premises and loading/truck zones.'

Voting members present for this item: Representative of the Member for Vaucluse, NSW Police representative, RMS representative and Waverley Council representative (Chair).

#### TC/CV ELECTORATES OF COOGEE AND VAUCLUSE

Nil.

# PART 2 – TRAFFIC ENGINEERING ADVICE

NOTE: The matters listed under this part of the agenda seek the advice of the WTC only and do not propose that Council exercise its delegated functions at this point in time (though they may or may not require it in the future).

TC/TEAC	STATE ELECTORATE OF COOGEE	
Nil.		
TC/TEAV	STATE ELECTORATE OF VAUCLUSE	
Nil.		
TC/TEACV	ELECTORATES OF COOGEE AND VAL	<u>JCLUSE</u>
Nil.		
THE MEETIN	IG CLOSED AT 10.57 PM.	
		SIGNED AND CONFIRMED MAYOR 15 SEPTEMBER 2020

# **REPORT** TC/C.01/20.09

Subject: 40 km/h Speed Limit Changes - Traffic Control Devices

(Group 2)

**TRIM No:** A18/0579

**Author:** Amanda Tipping, Project Manager, Major Projects

Calum Hutcheson, Service Manager, Traffic and Transport

**Authoriser:** Dan Joannides, Executive Manager, Infrastructure Services



#### **COUNCIL OFFICER'S PROPOSAL:**

#### That Council:

- 1. Approves the designs of the 23 traffic control treatments attached to this report for construction at:
  - (a) Tamarama Marine Drive, Tamarama (at the rear of 23 Thompson Street) 75 mm high speed hump.
  - (b) 67 Watson Street, Bondi 75 mm high speed hump.
  - (c) 458 Bronte Road, Bronte 100 mm high speed hump.
  - (d) 492 Bronte Road, Bronte 100 mm high speed hump.
  - (e) 18 Brown Street, Bronte 100 mm high speed hump.
  - (f) 62 Hewlett Street, Bronte 75 mm high speed hump.
  - (g) 44 Victoria Street, Waverley 100 mm high speed hump.
  - (h) Queens Park Road at Bourke Street, Queens Park Pedestrian refuge.
  - (i) 47 York Road, Queens Park 100 mm high speed hump.
  - (j) Dickson Street at Birrell Street, Bronte Kerb build-out.
  - (k) Dickson Street at Read Street, Bronte 100 mm speed hump and kerb build-out.
  - (I) 25 Murray Street, Bronte 75 mm high speed hump.
  - (m) 37 Murray Street, Bronte 75 mm high speed hump.
  - (n) Lugar Street at Brae Street, Bronte Kerb build-out.
  - (o) 2 Birrell Street, Bondi Junction Raised pedestrian crossing.
  - (p) 67 Birrell Street, Queens Park– Raised pedestrian crossing.

- (q) Birrell Street at Henrietta Street, Waverley Raised pedestrian crossing.
- (r) Pacific Street at Bronte Road, Bronte Splitter island.
- (s) 93 Ocean Street, Bondi 100 mm speed hump.
- (t) Park Parade at Birrell Street, Bondi Kerb build-outs.
- (u) Evans Street at Brae Street, Bronte 100 mm speed hump and kerb build-out.
- (v) 13 Sandridge Street, Bondi 75 mm speed hump.
- (w) Bourke Street at Bourke Lane, Queens Park 75 mm speed hump and kerb build-out.
- 2. Delegates authority to the Executive Manager, Infrastructure Services, to modify the designs should on-site circumstances warrant changes.

#### 1. Executive Summary

This report seeks endorsement of the design for 23 traffic control treatments to be included within the area covered by the 40 km/hr speed limit changes in the southern part of the Waverley local government area (LGA).

The 23 treatments (group 2) complement six treatments (group 1) submitted to the Traffic Committee in May 2020. The group 1 treatments are not part of this report. They are currently under review by Council.

The locations of the treatments submitted to the May Traffic Committee and the treatments presented to this meeting are shown in Figure 1.

The package of treatments aims to limit traffic speeds in the southern part of the Waverley LGA (south of Bondi Road). They are intended to be self-enforcing and not reliant on police enforcement.

The 23 treatments presented to this traffic committee are located at:

- 1. Tamarama Marine Drive, Tamarama (at the rear of 23 Thompson Street) 75 mm high speed hump (on a bus route).
- 2. 67 Watson Street, Bondi 75 mm high speed hump (on a school bus route).
- 3. 458 Bronte Road, Bronte 100 mm high speed hump.
- 4. 492 Bronte Road, Bronte 100 mm high speed hump.
- 5. 18 Brown Street, Bronte 100 mm high speed hump.
- 6. 62 Hewlett Street, Bronte 75 mm high speed hump (on a bus route).
- 7. 44 Victoria Street, Waverley 100 mm high speed hump.
- 8. Queens Park Road at Bourke Street, Queens Park Pedestrian refuge.
- 9. 47 York Road, Queens Park 100 mm high speed hump.
- 10. Dickson Street at Birrell Street, Bronte Kerb build-out.
- 11. Dickson Street at Read Street, Bronte 100 mm speed hump and kerb build-out.
- 12. 25 Murray Street, Bronte 75 mm high speed hump (on a bus route).
- 13. 37 Murray Street, Bronte 75 mm high speed hump (on a bus route).
- 14. Lugar Street at Brae Street, Bronte Kerb build-out.
- 15. 2 Birrell Street, Bondi Junction Raised pedestrian crossing.
- 16. 67 Birrell Street, Queens Park Raised pedestrian crossing.
- 17. Birrell Street at Henrietta Street, Waverley Raised pedestrian crossing.

- 18. Pacific Street at Bronte Road, Bronte Splitter island.
- 19. 93 Ocean Street, Bondi 100 mm speed hump.
- 20. Park Parade at Birrell Street, Bondi Kerb build-outs.
- 21. Evans Street at Brae Street, Bronte 100 mm speed hump and kerb build-out.
- 22. 13 Sandridge Street, Bondi 75 mm speed hump.
- 23. Bourke Street at Bourke Lane, Queens Park 75 mm speed hump and kerb build-out (on a bus route).

Delegation of authority to the Executive Manager, Infrastructure Services, to modify the designs should onsite circumstances warrant changes is also proposed. This covers situations where factors such as drainage or a minor change in location, size of ramps, wings, or threshold prove necessary.

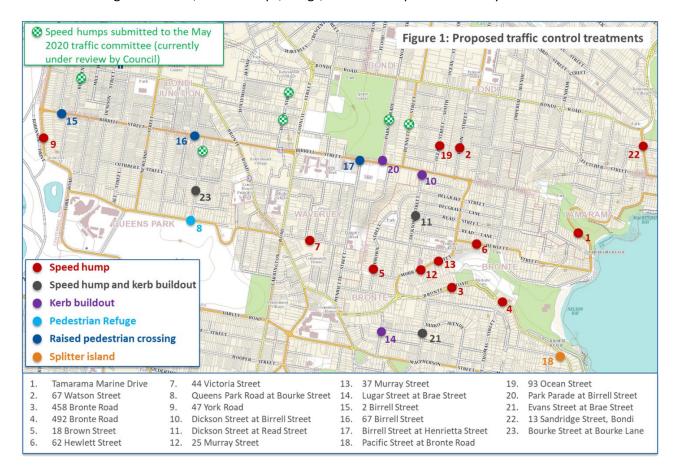


Figure 1. Proposed traffic control treatments.

#### 2. Introduction/Background

#### **Background**

Community consultation has found that an overwhelming proportion of residents want cars to travel slower in their neighbourhoods. The proposal to implement a Waverley-wide 40 km/h speed limit was developed as a signature project and adopted by Council in 2017 as part of the adoption of the People, Movement and Places strategy.

The 23 speed humps presented in this report are a subset of 36 traffic control devices approved by Council to assist in enforcing a 40 km/h speed limit on local roads in the southern part of the Waverley LGA. The 36 traffic control devices were considered by Council at the Strategic Planning and Development Committee meeting 3 March 2020. Of the 36 devices:

• 31 were approved to proceed.

- 2 were to be reviewed.
- 3 were to be removed.

The designs for traffic control treatments associated with the 40 km/h speed limit changes are being submitted to the Traffic Committee as each design is finalised. Designs submitted to date are:

- Six treatments designs submitted to the May 2020 traffic committee (Group 1).
- 23 treatments submitted to the September 2020 traffic committee (this meeting) (Group 2).

The six treatments submitted to the May 2020 traffic committee are not part of this report. They are currently under review by Council.

From the total of 33 treatments, post -community consultation review, four treatments are being delivered under separate projects, totalling a number of 29 treatments for the 40 km/h speed limit changes project.

All treatments (29) have been workshopped with Councillors on alternative treatment options and treatment rationale on 28 July 2020.

Contracting for installation of the devices will be undertaken once a package of works is finalised. This will comprise devices recommended for approval by a number of traffic committee meetings.

#### **Community consultation**

Community consultation took place from November 2019 to January 2020. A range of engagement methods were used to maximise the opportunity for community participation. Of particular note was the use of an interactive map on Have Your Say (HYS) Council's engagement platform, face to face 'Have Your Say Days' in four locations, door knocking on specifically impacted houses and email communication with a range of organisations and community members.

Table 1 below presents the communication methods used during the consultation.

Table 1. Communication methods.

Communication method	Date
Social media	7 and 18 November 2019
Media release	12 November 2019
Mayor's column	13 November 2019
Advertising – The Beast & Wentworth Courier	15 November 2019
Internal & external email	18-21 November 2019
Flyer - Stage 1 area	20–23 November 2019 (11,000 delivered)
Have Your Say page and mapping tool	November 2019–January 2020
	(Over 800 people visited the HYS site and 300 people
	looked at the map)
Waverley Weekly newsletter	November and December 2019
Engagement letters	November and December 2019
Have your say days	Bondi Markets 30 November 2019
	Bondi Junction Markets 5 December 2019
	Bronte Beach 12 December 2019
	Hunter Ward 15 December 2019
Combined Precincts meeting	5 December 2019
Door-knocking	13 and 17 December 2019 (108 residences)

On 17 March 2020, Council received and noted the summary of community feedback, endorsed the recommended traffic calming measures identified and approved to proceed to detailed design of the recommended traffic calming measures, with a report to be considered by the Traffic Committee before proceeding to procurement for the construction phase.

The table below sets out the relevant Council resolutions.

Table 2. Relevant Council resolutions.

Meeting and date	Minute No.			Decision
Strategic Planning	PD/5.4/20.09			2 23.0.0
and Development	, ,	That	Counc	il:
Committee				
1 September 2020		1.	Defe	rs this matter in order to gain more information
			on th	ne following:
(Group 1				
treatments only)			(a)	The costing of intersection treatments, using Park Parade as an example.
			(b)	The consequences of deferring traffic calming in Ruthven Street and an examination of the option of angle parking on Ruthven Street on alternating sides along the street with a vehicle slowing device to create slow points similar to Ashton Street and Denison Street.
			(c)	The consequences of not proceeding with the traffic calming in Bourke Street.
			(d)	Consults NSW Police and Transport for NSW on their flexibility in regard to the nature of what traffic calming devices and techniques Council uses.
			(e)	Seeks clarification from the relevant State departments on available funding and any future funding for this initiative, the first in NSW of this size.
			(f)	Investigates an alternative traffic calming solution along the length of Park Parade consisting of two minimum width travel lanes, with the outcome of the investigation to go to the Waverley Traffic Committee
		2.	Recei earlie	ves a report by the October Council meeting or r.
Council	CM/5.2.1/18.06(2)	That:		
16 June 2020				
		1.		ncil defers this item to a Councillor workshop for
(Group 1		further consideration of the location and type of		
treatments only)			traffi	c calming devices in the locations of:

		(a) Bourke Street, Queens Park.
		(b) Botany Street Bondi Junction.
		(c) Park Parade, Bondi.
		(d) Bennett Street, Bondi.
		(e) Ruthven Street, Bondi Junction.
		2. A report comes back to Council.
Strategic Planning and Development		That Council, in relation to the 40 km/h speed limit change project:
Committee 3 March 2020		Receives and notes the summary of community feedback attached to this report (Attachment 1).
		Endorses the recommended traffic calming measures identified in Attachment 2 to this report.
		3. Proceeds to detailed design of the recommended traffic calming measures, with a report to be considered by the Traffic Committee before proceeding to procurement for the construction phase.
Strategic Planning and Development	PD/5.3/19.11	That Council:
Committee 5 November 2019		1. Exhibits the concept designs for the 40 km/h 'Stage 1' Speed Limit Change Project attached to this report for a period of 28 days, subject to:
		(a) On page 178 of the attachment, in regard to Park Parade, Council officers consider repositioning the threshold and kerb blisters further south towards the corner of Birrell Street so as to eliminate the splay corner, minimise the loss of parking and to maximise pedestrian safety.
		Officers prepare a project summary for exhibition with the concept designs.
		3. Noting the design of the Bondi Junction cycleway includes traffic calming measures, investigates whether additional measures are required if the Oxford Street transit mall is to become 40 km/h.
		4. Notes 'Stage 1' is the area of the Waverley local government area (LGA) that is south and west of Bondi Road, and it is intended that, subject to funding and Transport for NSW endorsement, Stage

	2 will be investigated next, being the area of the Waverley LGA that is north of Bondi Road.
5.	Notes that Bondi Road, Council Street and Carrington Road are excluded from the scope of the
	Speed Review Study.
6.	Notes the proposed signage treatment is excluded from the public exhibition, being a technical matter for Waverley Traffic Committee consideration.
7.	Notes, following the public exhibition period, a further report will be prepared for the Traffic Committee summarising the consultation process, key feedback, and recommending revision to concept design, as necessary.

More information is provided below in response to resolution PD/5.4/20.09 from the Strategic Planning and Development Committee on 1 September 2020:

(a) The costing of intersection treatments, using Park Parade as an example.

An intersection treatment on Park Parade would cost around \$100,000. Speed hump treatments will cost around \$25,000 to \$30,000

(b) The consequences of deferring traffic calming in Ruthven Street and an examination of the option of angle parking on Ruthven Street on alternating sides along the street with a vehicle slowing device to create slow points similar to Ashton Street and Denison Street.

Report to be submitted to October 2020 traffic committee.

(c) The consequences of not proceeding with the traffic calming in Bourke Street.

Not proceeding with treatments on Bourke Street is likely to result in some diversions to this road and continuation of high traffic speeds (the 85th percentile speeds are 49 km/h).

While NSW Police will enforce speed restrictions on particular streets in the Waverley LGA from time to time, they do not have resources to do so on a continuous basis. Treatments on Bourke Street result in traffic speeds being self-enforced.

The consequence of an individual treatment being removed could result in the overall project losing effectiveness and rat running through the key streets that have not been treated.

Signposting of the 40 km/h speed limit would not have the desired effect without the treatments. This will result in higher speeds and no improvement to making a safer environment and reducing the number of fatalities and serious injuries on roads in the LGA.

The funding from TfNSW is reliant on an area-wide treatments. This funding could be lost if certain streets were excluded from the package.

(d) Consults NSW Police and Transport for NSW on their flexibility in regard to the nature of what traffic calming devices and techniques Council uses.

Consultation was held on Friday, 11 September 2020, with TfNSW and Waverley Police. TfNSW and the Police confirmed that the proposed traffic calming treatments were the most suitable to slow traffic based on 85th percentile speed and existing road environments.

(e) Seeks clarification from the relevant State departments on available funding and any future funding for this initiative, the first in NSW of this size.

TfNSW have confirmed that there is no further funding for the Changes to Speed limits in Waverley Stage 1 Project.

(f) Investigates an alternative traffic calming solution along the length of Park Parade consisting of two minimum width travel lanes, with the outcome of the investigation to go to the Waverley Traffic Committee

Report to be submitted to October 2020 traffic committee.

#### 3. Technical Analysis

#### 1. Tamarama Marine Drive, Tamarama

A 77 mm high speed hump is proposed on Tamarama Marine Drive near the rear of 23 Thompson Street. It is 1 m south of an existing power pole on the western side of Tamarama Marine Drive. This is around 4.5 m south of the location shown in Figure 2. to ensure the existing power pole is north of the speed hump for signage purposes.

State Transit bus route 381 runs along Tamarama Marine Drive. The height of the speed hump has been reduced from 100 mm to 75 mm to better accommodate bus movements.



Figure 2. Tamarama Marine Drive concept design.

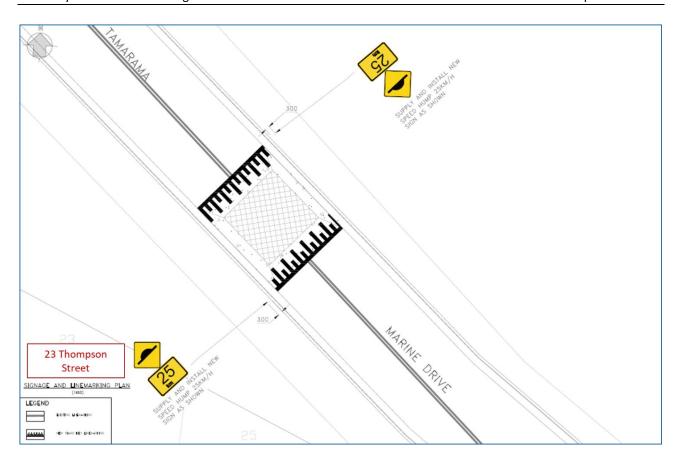


Figure 3. Tamarama Marine Drive design for construction.

# 2. 67 Watson Street, Bondi

A 75 mm high speed hump is proposed on Watson Street near 67 Watson Street. This street is used by State Transit school special services. The height of the speed hump in Watson Street has been reduced from 100 mm to 75 mm to better accommodate these bus movements.



Figure 4. 67 Watson Street concept design.

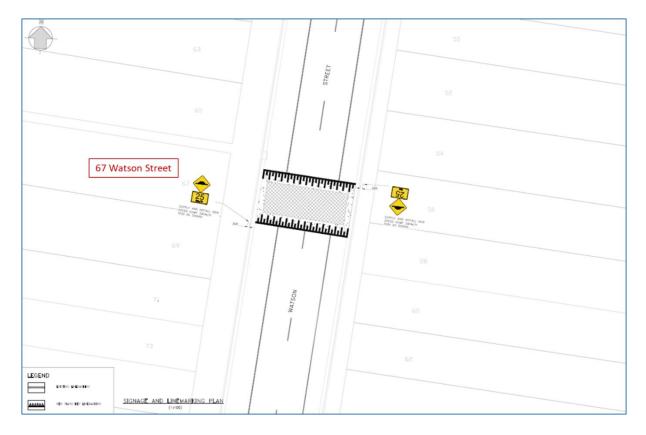


Figure 5. 67 Watson Street design for construction.

# 3. 458 Bronte Road, Bronte

A 100 mm high speed hump is proposed on Bronte Road near 458 Bronte Road.



Figure 6. 458 Bronte Road concept design.

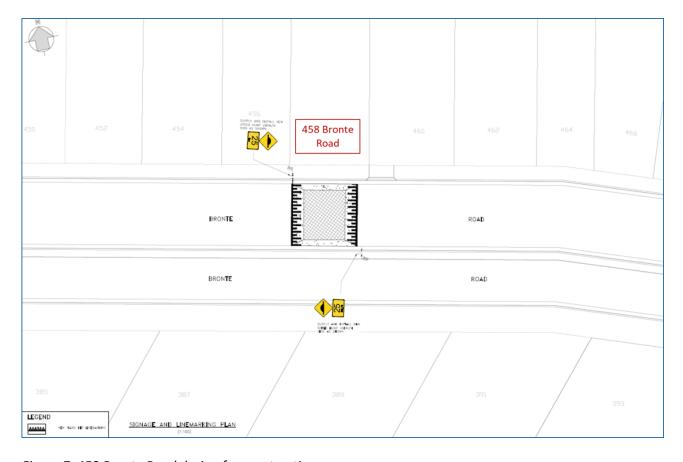


Figure 7. 458 Bronte Road design for construction.

# 4. 492 Bronte Road, Bronte

A 100 mm high speed hump is proposed on Bronte Road near 492 Bronte Road.

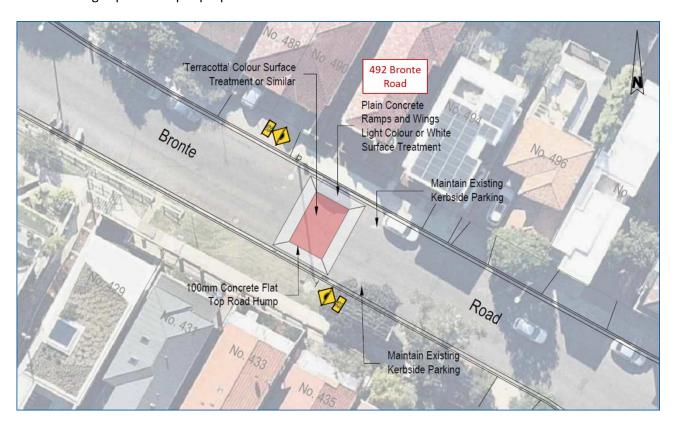


Figure 8. 492 Bronte Road concept design.

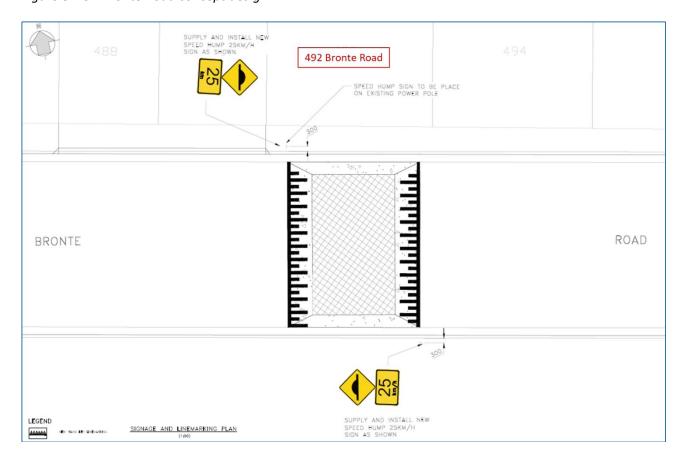


Figure 9. 492 Bronte Road design for construction.

# 5. 18 Brown Street, Bronte

A 100 mm high speed hump is proposed on Brown Street near 18 Brown Street.



Figure 10. 18 Brown Street concept design.

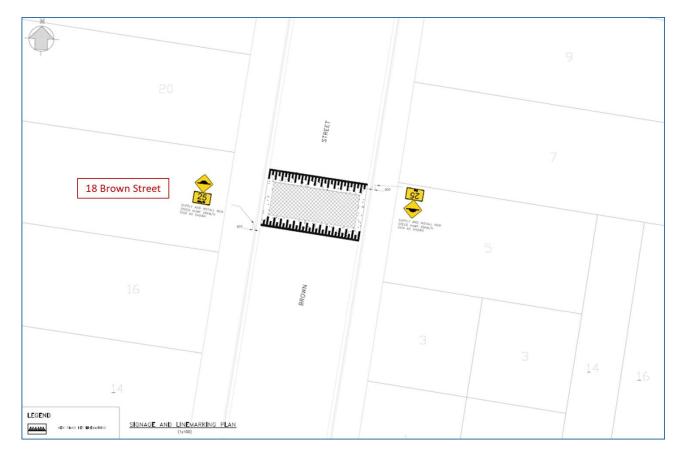


Figure 11. 18 Brown Street design for construction.

#### 6. 62 Hewlett Street, Bronte

A 75 mm high speed hump is proposed on Hewlett Street near 62 Hewlett Street. State Transit bus route 360 runs along this street. The height of the speed hump has been reduced from 100mm to 75mm to better accommodate bus movements.

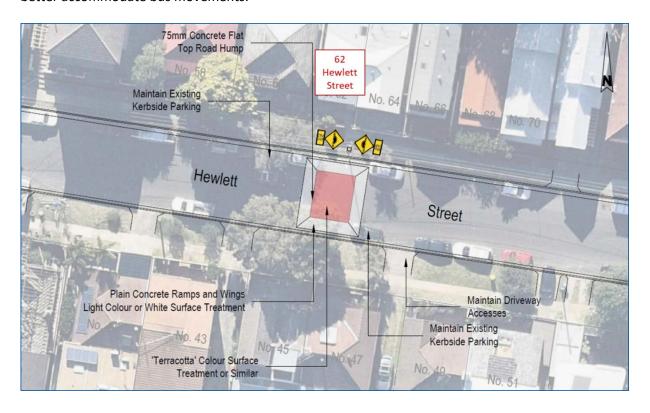


Figure 12. 62 Hewlett Street concept design.

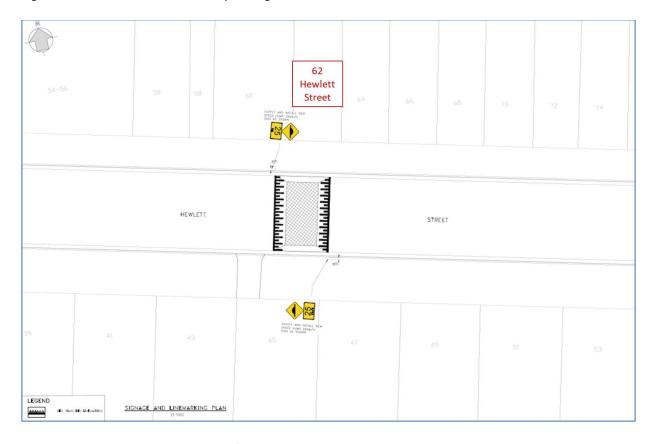


Figure 13. 62 Hewlett Street design for construction.

# 7. 44 Victoria Street, Waverley

A 100 mm high speed hump is proposed on Victoria Street near 44 Victoria Street.



Figure 14. 44 Victoria Street concept design.

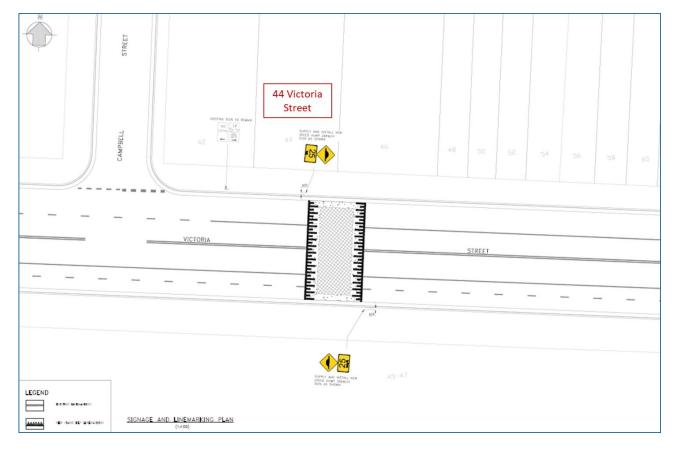


Figure 15. 44 Victoria Street design for construction.

#### 8. Queens Park Road at Bourke Street, Queens Park

A pedestrian refuge is proposed on Queens Park Road on the western side of Bourke Street. The proposed pedestrian refuge includes soft surface beautification. The existing bicycle paths are to be realigned and painted green through the refuge. Some parking on the southern side of Queens Park Road will be replaced by the realigned cycle path.



Figure 16. Queens Park Road at Bourke Street existing layout.

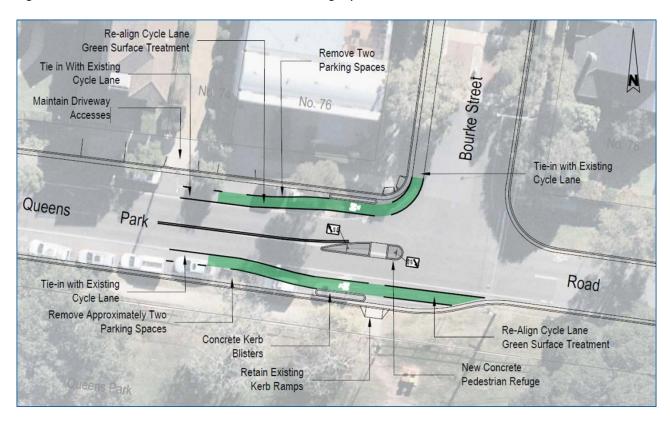


Figure 17. Queens Park Road at Bourke Street concept design.

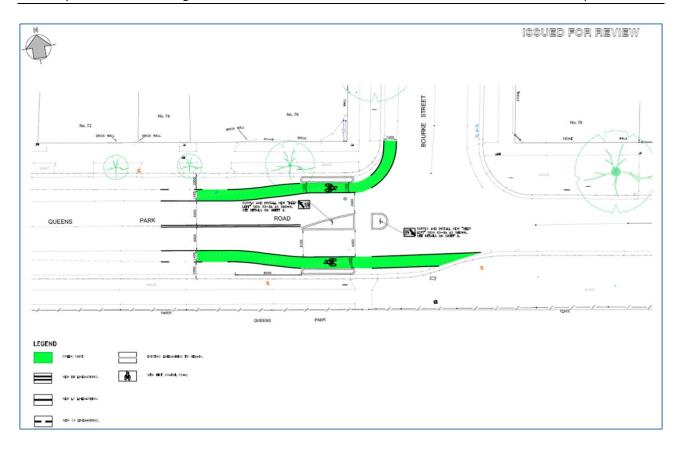


Figure 18. Queens Park Road at Bourke Street design for construction.

# 9. 47 York Road, Queens Park

A 100 mm high speed hump is proposed on York Road near 458 York Road.



Figure 19. 47 York Road Concept design.

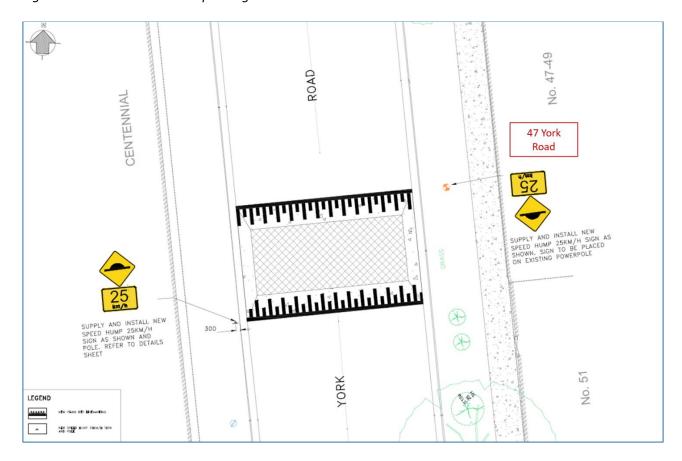


Figure 20. 47 York Road design for construction.

#### 10. Dickson Street at Birrell Street, Bronte

A speed hump recommended in the concept design for Dickson Street at Birrell Street has been replaced with a kerb build-out including soft surface beautification. This reduces the pedestrian crossing distance across Dickson Street and slows cars turning left from Dickson Street into Birrell Street.

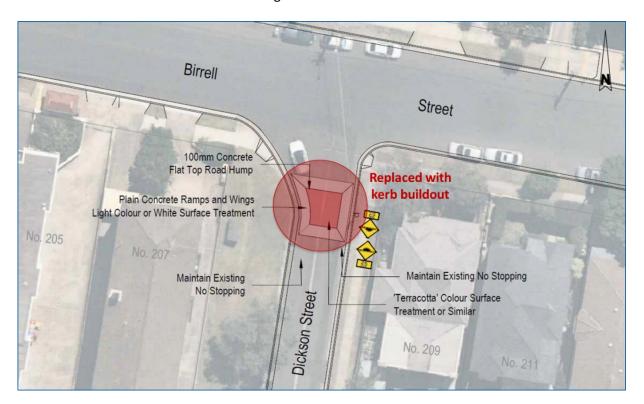


Figure 21. Dickson Street at Birrell Street concept design.

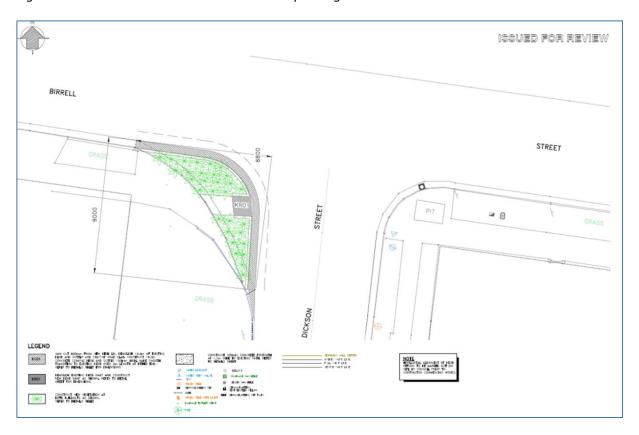


Figure 22. Dickson Street at Birrell Street design for construction.

# 11. Dickson Street at Read Street, Bronte

A speed hump recommended in the concept design for Dickson Street at Read Street has been replaced with a speed hump and kerb build-out, including soft surface beautification.



Figure 23. Dickson Street at Read Street concept design.



Figure 24. Dickson Street at Read Street design for construction

# 12. 25 Murray Street, Bronte

The existing kerb blisters on Murray Street shown below will be retained. A speed hump is proposed between the two blisters.

State Transit bus route 360 runs along Murray Street. The height of the speed hump has been reduced from 100 mm to 75 mm to better accommodate the bus movements.



Figure 25. 25 Murray Street – Existing kerb blisters.

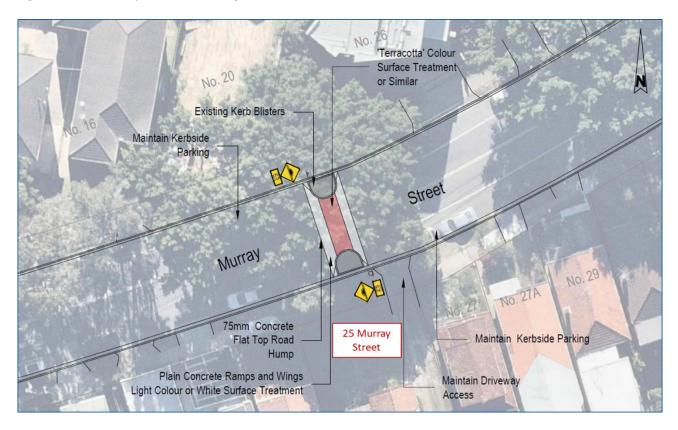


Figure 26. 25 Murray Street concept design.

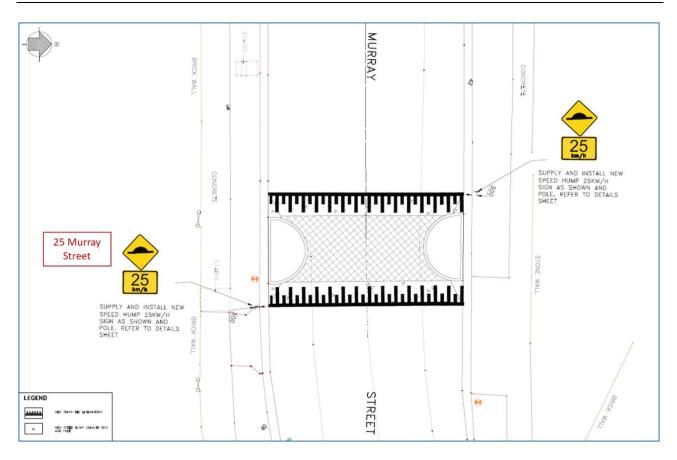


Figure 27. 25 Murray Street design for construction.

#### 13. 37 Murray Street, Bronte

A 75 mm high speed hump is proposed on Murray Street near 37 Murray Street. State Transit bus route 360 runs along the street. The height of the speed hump has been reduced from 100 mm to 75 mm to better accommodate the bus movements.

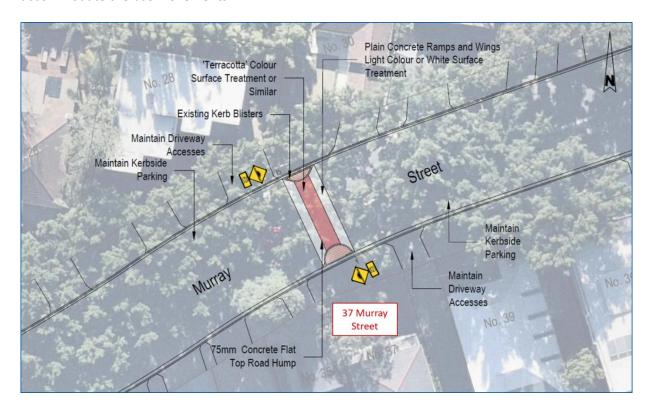


Figure 28. 37 Murray Street concept design.

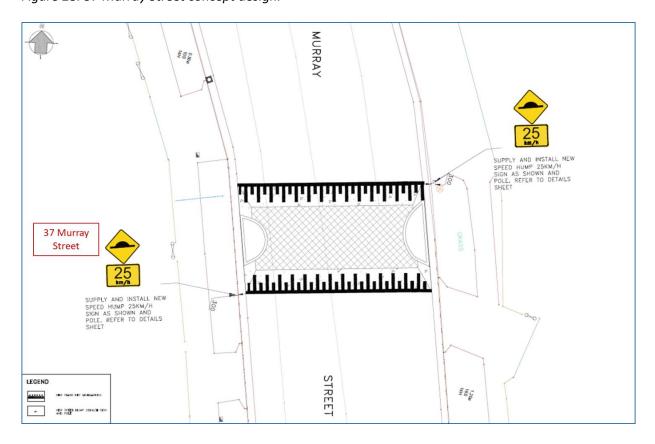


Figure 29. 37 Murray Street design for construction.

## 14. Lugar Street at Brae Street, Bronte

A 100 mm high speed hump recommended in the concept design for York Road near 458 York Road has been replaced with a kerb build-out, including soft surface beautification.

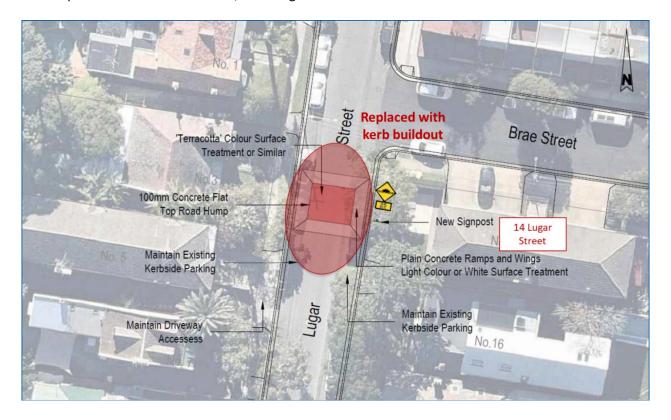


Figure 30. Lugar Street at Brae Street concept design.



Figure 31. Lugar Street at Brae Street design for construction.

## 15. 2 Birrell Street, Bondi Junction

The existing pedestrian crossing on Birrell Street at St James Road will be enhanced with a raised platform. Detailed design of the interface between the raised pedestrian crossing and footpath will be undertaken as part of the stormwater design.



Figure 32. 2 Birrell Street – Existing pedestrian crossing.

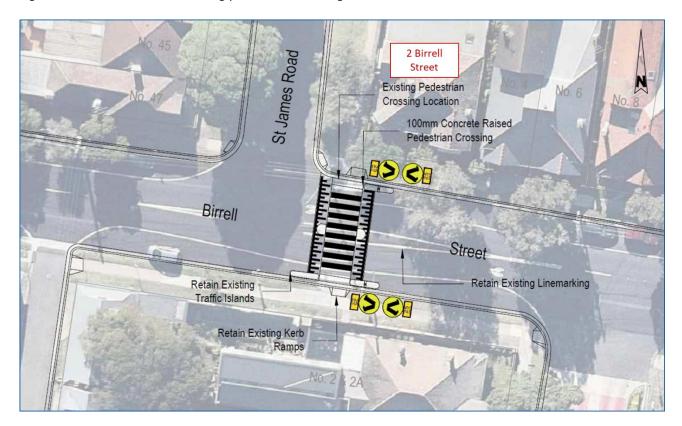


Figure 33. 2 Birrell Street concept design.

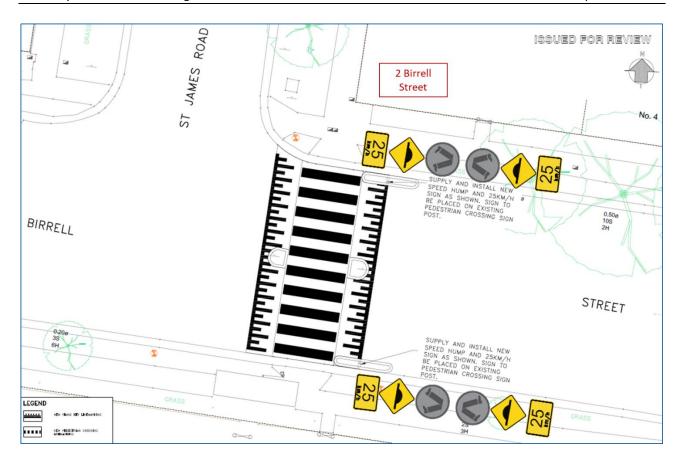


Figure 34. 2 Birrell Street design for construction.

## 16. 67 Birrell Street at Brisbane Street, Queens Park

The existing pedestrian crossing on Birrell Street at Brisbane Street will be enhanced with a raised platform and soft surface beautification. Detailed design of the interface between the raised pedestrian crossing and footpath will be undertaken as part of the stormwater design.



Figure 35. 67 Birrell Street – Existing pedestrian crossing.

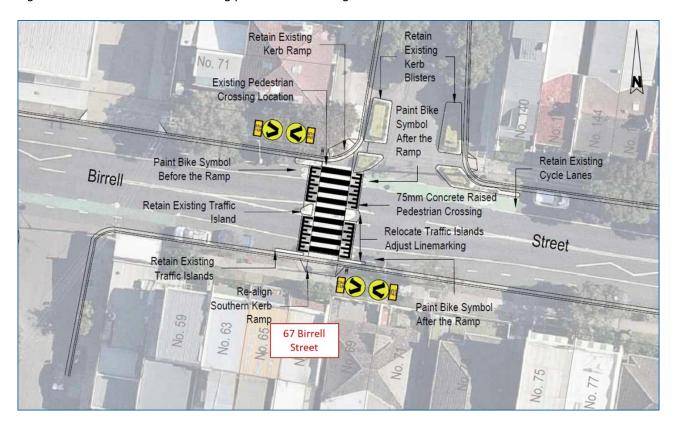


Figure 36. 67 Birrell Street concept design.

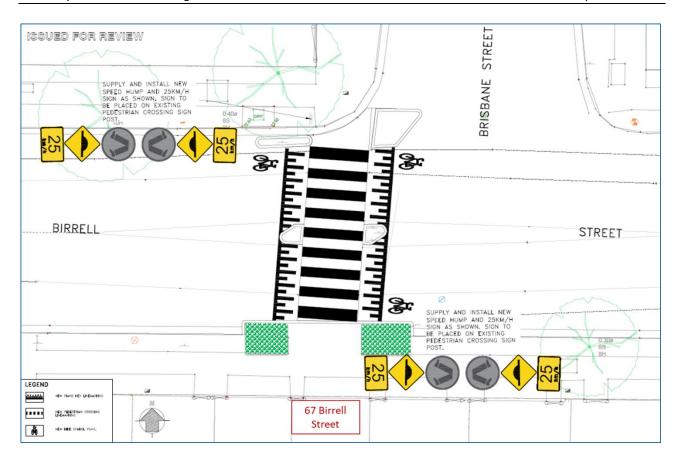


Figure 37. 67 Birrell Street design for construction.

## 17. Birrell Street at Henrietta Street, Waverley

The existing pedestrian crossing on Birrell Street at Henrietta Street will be enhanced with a raised platform. Detailed design of the interface between the raised pedestrian crossing and footpath will be undertaken as part of the stormwater design.



Figure 38. Birrell Street at Henrietta Street – Existing pedestrian crossing.

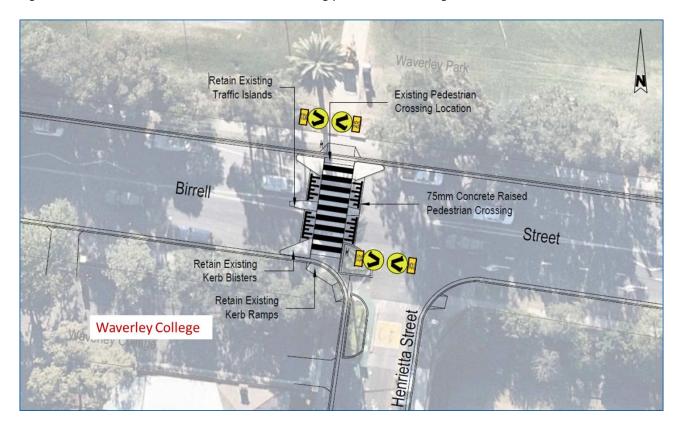


Figure 39. Birrell Street at Henrietta Street concept design.

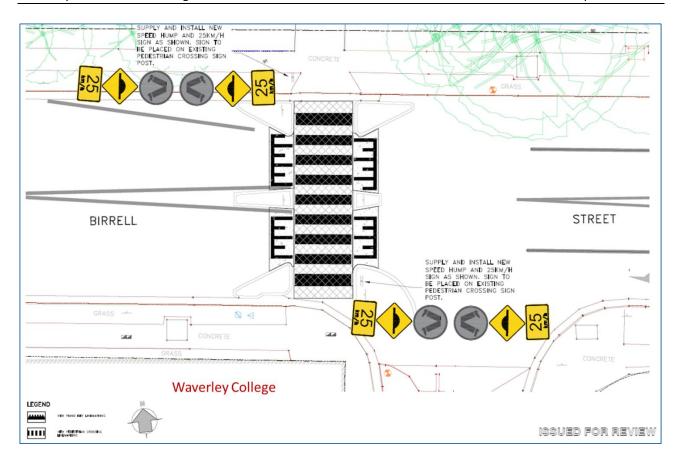


Figure 40. Birrell Street at Henrietta Street design for construction.

## 18. Pacific Street at Bronte Road, Bronte

A new splitter island and kerb blister are proposed to improve pedestrian safety when crossing Pacific Street. Construction of a footpath along the southern side of Bronte Road west of Pacific Street is under investigation.

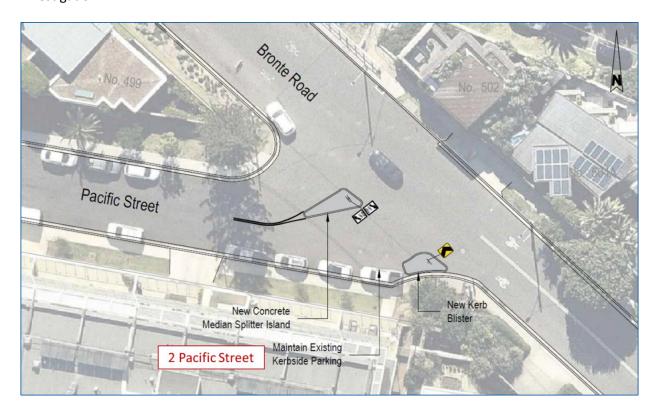


Figure 41. Pacific Street at Bronte Road concept design.

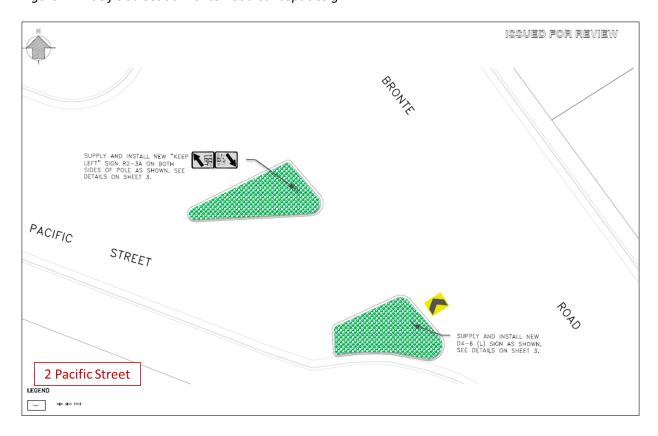


Figure 42. Pacific Street at Bronte Road design for construction.

## 19. 93 Ocean Street, Bondi

A 100 mm high speed hump is proposed on Ocean Street near 93 Ocean Street.



Figure 43. 93 Ocean Street concept design.

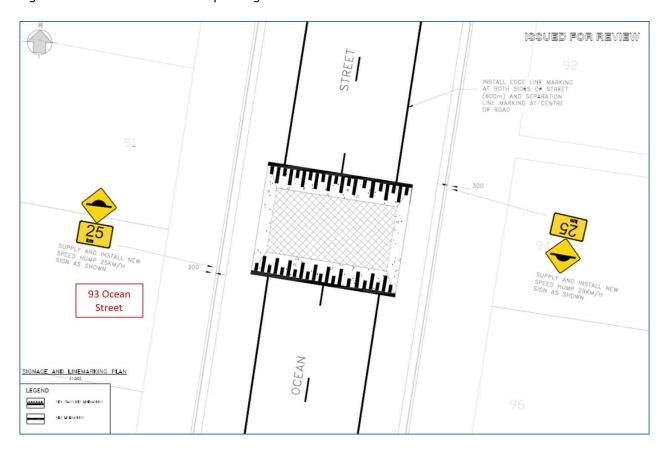


Figure 44. 93 Ocean Street design for construction.

## 20. Park Parade at Birrell Street, Bondi

A 100 mm high speed hump recommended in the concept design for Park Parade at Birrell Street has been replaced by kerb build-outs on Park Parade, including soft surface beautification.

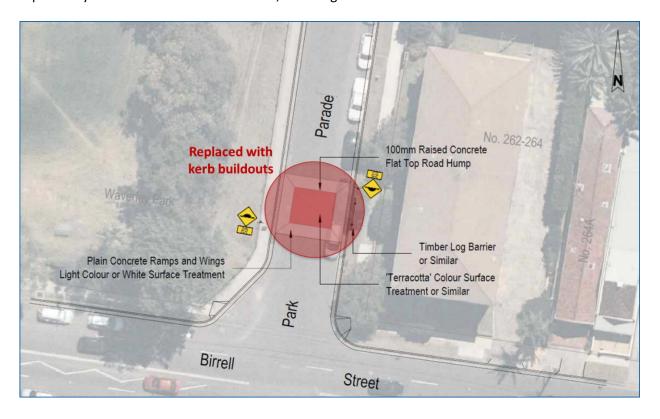


Figure 45. Park Parade at Birrell Street concept design.



Figure 46. Park Parade at Birrell Street design for construction.

#### 21. Evans Street at Brae Street, Bronte

A 100 mm high speed hump recommended in the concept design for Evans Street at Brae Street has been replaced with a narrower speed hump adjacent to a kerb build-out with soft surface beautification.

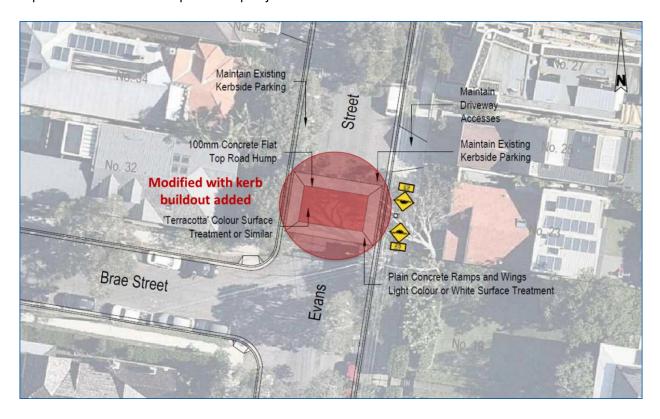


Figure 47. Evans Street at Brae Street concept design.

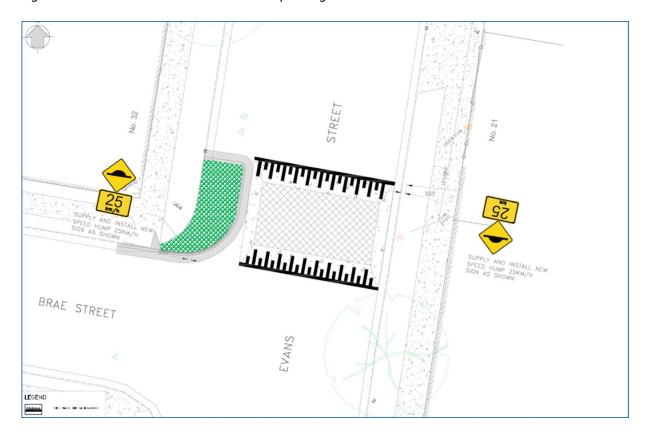


Figure 48. Evans Street at Brae Street design for construction.

#### 22. 13 Sandridge Street, Bondi

A 75 mm high speed hump is proposed on Sandridge Street near 13 Sandridge Street. The concrete median island in the concept design has been removed to discourage pedestrians using this as a crossing. Sandridge Street is used by State Transit school special services. The height of the speed hump in Sandridge Street has been reduced from 100 mm to 75 mm to better accommodate these bus movements.



Figure 49. 13 Sandridge Street concept design.

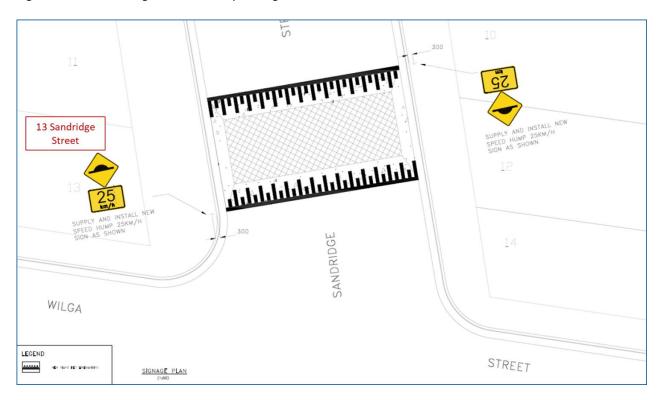


Figure 50. 13 Sandridge Street design for construction.

#### 23. Bourke Street at Bourke Lane, Queens Park

A speed hump recommended in the concept design for Bourke Street at Bourke Lane has been replaced with a speed hump and kerb build-out including soft surface beautification. State Transit bus route 357 runs along Bourke Street. The height of the speed hump has been reduced from 100 mm to 75 mm to better accommodate bus movements.

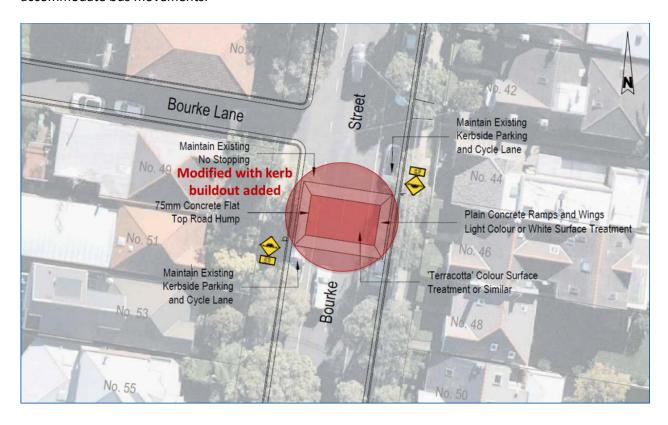


Figure 51. Bourke Street at Bourke Lane concept design.



Figure 52. Bourke Street at Bourke Lane design for construction.

#### 4. Financial Information for Council's Consideration

Council has received a commitment of \$1 million for construction from the RMS NSW Safe Speeds in High Pedestrian Activity and Local Area program. The \$1 million is required to be spent or committed by 30 June 2021.

#### 5. Attachments

- 1. Tamarama Marine Drive, Tamarama (at the rear of 23 Thompson Street) 75 mm high speed hump (under separate cover) ⇒
- 2. 67 Watson Street, Bondi 75 mm high speed hump (under separate cover) ⇒
- 3. 458 Bronte Road, Bronte 100 mm high speed hump (under separate cover) ⇒
- 4. 492 Bronte Road, Bronte 100 mm high speed hump (under separate cover) ⇒
- 5. 18 Brown Street, Bronte 100 mm high speed hump (under separate cover) ⇒
- 6. 62 Hewlett Street, Bronte 75 mm high speed hump (under separate cover) ⇒
- 7. 44 Victoria Street, Waverley 100 mm high speed hump (under separate cover) ⇒
- 8. Queens Park Road at Bourke Street, Queens Park pedestrian refuge (under separate cover) ⇒
- 9. 47 York Road, Queens Park 100 mm high speed hump (under separate cover) ⇒
- 10. Dickson Street at Birrell Street, Bronte kerb build-out (under separate cover) ⇒
- 11. Dickson Street at Read Street, Bronte 100 mm speed hump and kerb build-out (under separate cover) ⇒
- 12. 25 Murray Street, Bronte 75 mm high speed hump (under separate cover) ⇒
- 13. 37 Murray Street, Bronte 75 mm high speed hump (under separate cover) ⇒
- 14. Lugar Street at Brae Street, Bronte kerb build-out (under separate cover) ⇒
- 15. 2 Birrell Street, Bondi Junction raised pedestrian crossing (under separate cover) ⇒
- 16. 67 Birrell Street, Queens Park raised pedestrian crossing (under separate cover) ⇒
- 17. Birrell Street at Henrietta Street, Waverley raised pedestrian crossing (under separate cover) ⇒
- 18. Pacific Street at Bronte Road, Bronte splitter island (under separate cover) ⇒
- 19. 93 Ocean Street, Bondi 100 mm speed hump (under separate cover) ⇒
- 20. Park Parade at Birrell Street, Bondi kerb build-outs (under separate cover) 호
- 21. Evans Street at Brae Street, Bronte 100 mm speed hump and kerb build-out (under separate cover)
- 22. 13 Sandridge Street, Bondi 100 mm speed hump (under separate cover) ⇒
- 23. Bourke Street at Bourke Lane 75 mm speed hump and kerb build-out (under separate cover) <u>⇒</u> .

WAVERLEY

## **REPORT** TC/C.02/20.09

Subject: Macpherson Street, Bronte - Temporary Road Closure to

**Dismantle Tower Crane** 

**TRIM No:** A19/0394

**Author:** Hamoon Bahari, Professional Engineer, Traffic and Transport

Calum Hutcheson, Service Manager, Traffic and Transport

**Authoriser:** Dan Joannides, Executive Manager, Infrastructure Services

#### **COUNCIL OFFICER'S PROPOSAL:**

#### That:

- 1. Council approves the temporary full closure of Macpherson Street, Bronte, between Albion Street and Leichhardt Street, on Sunday, 31 January 2021, from 4.00 am to 11.00 pm, subject to the applicant:
  - (a) Obtaining approval from NSW Police.
  - (b) Notifying the State Transit Authority, NSW Ambulance Service and NSW Fire and Rescue.
  - (c) Notifying local residents and businesses prior to the event.
  - (d) Using Transport-for-NSW-accredited traffic controllers.
  - (e) Covering all costs associated with closing the road, including traffic control.
- 2. A Council officer be on-site for the duration of the works at the applicant's expense, and that this be communicated to the applicant.
- 3. Council delegates authority to the Executive Manager, Infrastructure Services, to approve any backup date and times, if required.

## 1. Executive Summary

Council has received an application on behalf of Richard Crookes Constructions requesting the temporary closure of Macpherson Street, between Albion Street and Leichhardt Street, in order to dismantle a tower crane. Council will need to exercise its delegated functions to implement the temporary closure.



Figure 1. Aerial view of Macpherson Street and St Catherine's School.

## 2. Introduction/Background

A tower crane is to be dismantled adjacent to the construction site at the St Catherine's Performing Arts and Aquatic Centre project in Macpherson Street, Waverley.

The tower crane at this location was installed on Sunday, 19 April 2020 (between 6.00 am and 11.00 pm). Council approved a similar closure between Albion Street and Leichhardt Street for the installation.

The road closure for the dismantling process will occur from 4.00 am to 11.00 pm on Sunday, 31 January 2021, or another Sunday subject to approval by Executive Manager, Infrastructure Services.



Figure 2. Aerial view of Macpherson Street showing extent of closure.

## 3. Technical Analysis

The traffic control plan and traffic management plan for use during the road closure are attached to this report (Attachment 1 and 2). They have been determined in consultation with Council.

State Transit has raised no objections in relation to detour routes. The agreed routes are included in the Attachment 1.

#### 4. Financial Information for Council's Consideration

The applicant will be required to meet the cost of all traffic control, rubbish removal and damage restoration associated with the road closure.

#### 5. Attachments

- 1. Traffic Control Plan <a>J</a>
- 2. Traffic Management Plan <a href="#">J</a>

# ST CATHERINE'S RPACCRANE PERMIT APPLICATION FOR TEMPORARY ROAD CLOSURE TO FACILITATE TOWER CRANE DISMANTLE

Paper prepared by:

RICHARD CROOKES CONSTRUCTIONS

#### 1 THE WORKS

The tower crane in the construction site at the St Catherine's RPAC project in Waverley is set to be dismantled. It will need to be removed from site in large sections, on heavy vehicles and a mobile crane will be used to complete these works. As a result, a temporary road closure of part of Macpherson Street is required so that the tower crane can be safely and efficiently disassembled.

The application is for a crane permit which includes a temporary road closure to facilitate the removal of the tower crane at the St Catherine's RPAC project.

#### 2 SITE PLAN

Construction vehicle access to the site is through Macpherson Street whilst Leichhardt lane is used for pedestrian access



The mobile crane will occupy the front of the site and semi-trailer removing the tower crane sections will be required to occupy Macpherson Street as shown in the highlighted. The mobile crane will be utilised to lift each crane section from the site and onto the semi-trailer in the street.

The spatial requirements for these works require that the road be temporarily be occupied so that the crane disassemble can be safely carried out.

CONSTRUCTIONS

Page 1

TC/C.02/20.09- Attachment 1 Page 56

CRANE PERMIT APPLICATION FOR TEMPORARY ROAD CLOSURE TO FACILITATE TOWER CRANE DISMANTLE

CRANE PERMIT APPLICATION

#### 3 SCOPE OF WORKS

#### 3.1 TIMING

- It is expected that the works will take one day to complete.
- Works will occur on 31 January 2021 and will commence at 04:00 31 January 2021 and be completed by 23:00 31 January 2021.
- This time period allows for any weather delays as well as the safe traffic management for the residents who live within the area where the road will be occupied.
- The backup date for the installation is from 04:00 07 February 2021 and be completed by 2300 07 February 2021
- Works are scheduled to commence after hours to minimise disruption to traffic.

#### 3.2 SAFETY

- The first step will be to implement all the traffic control measures required by the site-specific Traffic Control Plan attached. This will include barricades, signage and other traffic control devices as required.
- Macpherson Street will be temporarily closed between Albion street and Leichhardt Street for the duration of the crane assembly works.
- RMS Accredited personnel will always be present to implement this Traffic Control Plan.
- User paid police will be present to;
  - o Control traffic and pedestrian/cyclists movements at both ends of Macpherson Street. This will include providing information on the detour route.
  - Providing access to residents requiring access to the closed section of Macpherson Street.
- Lighting towers will be directed to the site and used to help safely conduct the works during the night and early hours of the morning.
- The use of the lighting towers will be restricted to the site and these will be directed away from private properties.
- The mobile crane is considered an oversized load and will be transported under escort with semi-trailers and B-doubles.
- It is preferred that a compliance officer from Waverley Council be present during the assembly to monitor the works and deal with any public queries.

#### 3.3 DISMANTLE OVERVIEW

- Once all the traffic control measures have been implemented, the mobile crane will be delivered to site.
- The mobile will be set up directly in front of the construction site this will take approximately 2hrs
- The semi-trailers which will be used to load the tower crane components will be scheduled to arrive to site after the mobile crane has been set up.
- Removal of the crane sections and truck arrival will be coordinated to minimise traffic congestion within the closure and surrounding streets.

CONSTRUCTIONS

Page 2

CRANE PERMIT APPLICATION

CRANE PERMIT APPLICATION FOR TEMPORARY ROAD CLOSURE TO FACILITATE TOWER CRANE DISMANTLE

- Safe dismantle of the crane is expected to take 9 hours, without including weather delays or unforeseen circumstances.
- Once the dismantle of the tower crane is complete, the mobile crane will then be packed up, which is expected to take approximately 2 hours.

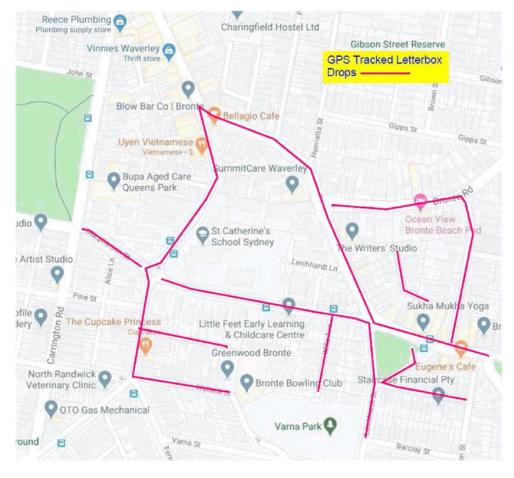
#### 3.4 EQUIPMENT & VEHICLES REQUIRED

- i. A Franna crane to set up the mobile crane
- ii. B-Doubles to deliver the mobile crane
- iii. Mobile Crane to dismantle the tower crane
- iv. Lighting towers to provide a safe working area for installation
- v. Semi-trailers to transport the tower crane sections
- vi. Hand tools

## 4 POSSIBLE IMPACTS

#### 4.1 IMPACT ON THE COMMUNITY

The road closure will affect the community's movements. To help mitigate the effects of the closure, we will notify the community of the closure using GPS tracked letterbox drops 4 weeks, 1 week and 2 days before the event. The letterbox drop will be restricted to the area shown below.





Page 3

CRANE PERMIT APPLICATION

CRANE PERMIT APPLICATION FOR TEMPORARY ROAD CLOSURE TO FACILITATE TOWER CRANE DISMANTLE

#### 4.2 IMPACT ON TREES

None expected.

#### 4.3 IMPACT ON POWERLINES

There are some overhead power lines at the front of the site and this will require coordination with Energy Australia to ensure that these are not impacted. The lifting plan has been finalised to account for these lines.

#### 4.4 IMPACT ON STREET PARKING SPACES

There are some parking spaces (as shown in the TMP) in Macpherson Street between Albion Street and Leichhardt Street will be required to be removed during the closure. This will allow for the safe manoeuvres of the semi-trailers and B-Doubles

#### 4.5 IMPACT ON PUBLIC TRANSPORT

Similar to what was done for the tower crane installation, during the Works, there are two bus stops that will be required to detour around Albion Street and Leichhardt Street. STA Buses to confirm that this detour is still acceptable.



## LOAD LIST FOR TRANSPORT OF TOWER CRANES

Date/s	Sunday 31 January 2021 BACKUP 07 February 2021	
Location	RCC St Catherine's	
Install / Dismantle	Dismantle	
Crane Type	CTT 561 24A	
Crane Number	SPHTC 38	
Boom Length	45	
No. Towers	7	

Truck No.	Trailer Type	Components to be loaded	Time
1	40FT FLAT	BORGERS COUNTERWEIGHTS	05:00
2	40FT FLAT	BORGERS COUNTERWEIGHTS	05:30
3	40FT FLAT	BORGERS COUNTERWEIGHTS	06:00
4	40FT FLAT	BORGERS COUNTERWEIGHTS	06:30
5	40FT	JIB 6 + 2A + 1 C CWS	07:00
6	40FT	JIB 5	07:30
7	40FT	JIB 4 + 7	09:00
8	40FT	10M BOOM TROLLEY	09:30
9	40FT	10М ВООМ НООК	10:00
10	40FT	SHORT DECK + WINCH + 1 C CWS	10:30
11	40FT	LONG REAR DECK + 3 A CWS	11:00
12	40FT	T-PIECE	11:30
13	40FT	MOUNT CABIN AND SLEW TOWER	12:00
14	STEP DECK	TRANSITION + 6M STD TOWER	12:30
15	40FT FLAT	2X HD 19 TOWERS	13:00
16	40FT FLAT	2X HD 19 TOWERS	13:30

Load List	Version 1	Document Owner	Issue Date	Last Amendment	Reds Global
	15_700.01	Storeman	27 <sup>th</sup> August 2018	27 <sup>th</sup> August 2018	Page 1 of 2

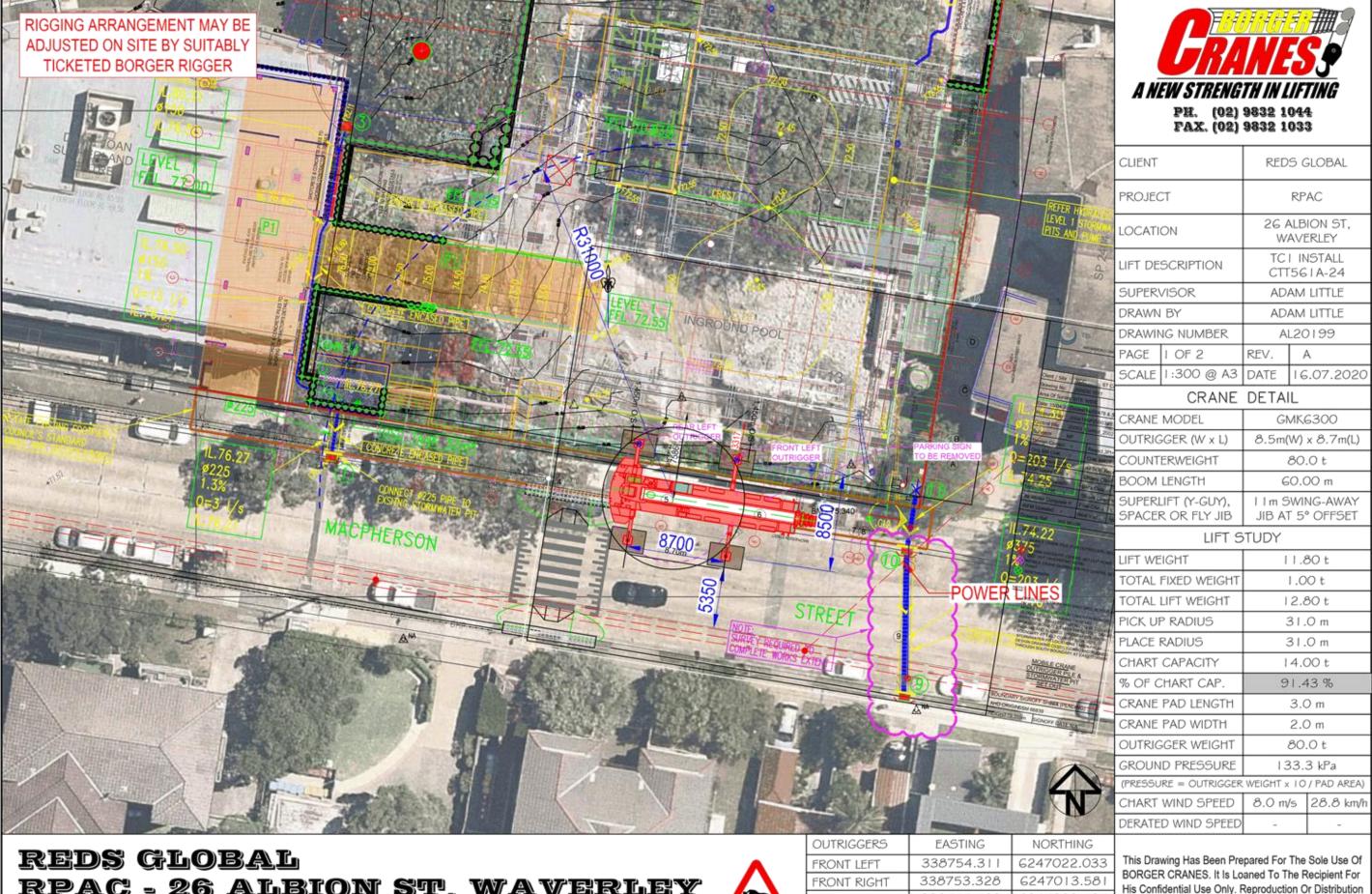
TC/C.02/20.09- Attachment 1 Page 60

17	40FT FLAT	2X HD 19 TOWERS	14:00
18	40FT FLAT	BORGERS COUNTERWEIGHTS	15:00
19	40FT FLAT	BORGERS COUNTERWEIGHTS	15:30
20	40FT FLAT	BORGERS COUNTERWEIGHTS	16:00
21	40FT FLAT	BORGERS COUNTERWEIGHTS	16:30

Load List	Version 1	Document Owner	Issue Date	Last Amendment	Reds Global
	15_700.01	Storeman	27 <sup>th</sup> August 2018	27 <sup>th</sup> August 2018	Page 2 of 2

TC/C.02/20.09- Attachment 1 Page 61

24 September 2020 **Waverley Traffic Committee** 



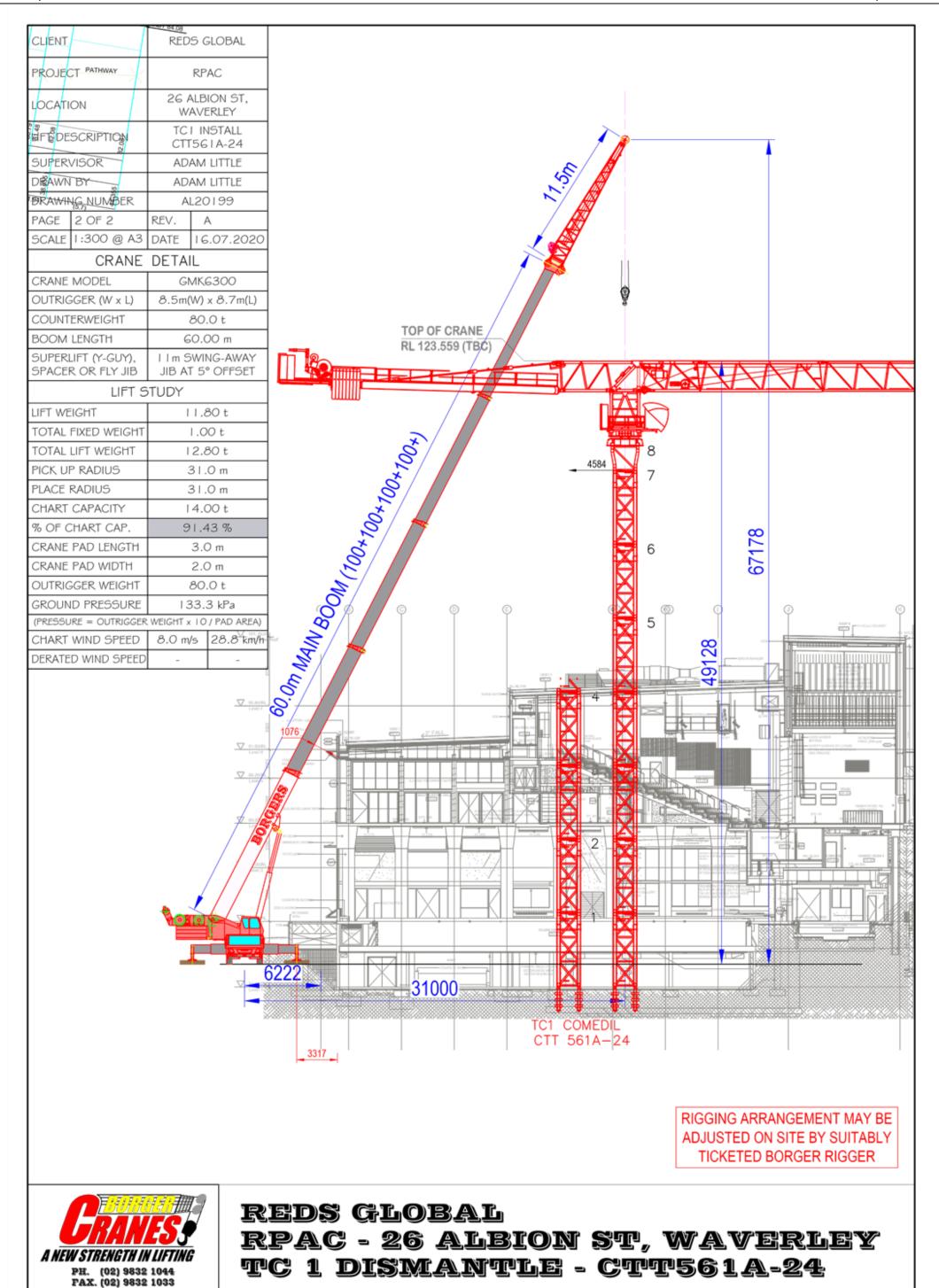
RPAC - 26 ALBION ST, WAVERLEY TC 1 DISMANTLE - CTT561A-24



OUTRIGGERS	EASTING	NORTHING
FRONT LEFT	338754.311	6247022.033
FRONT RIGHT	338753.328	6247013.581
REAR LEFT	338745.723	6247023.427
REAR RIGHT	338744.741	6247014.975
CRANE CENTRE	338748.736	6247018.632

Shall Not Be Performed Without The Express Written Consent Of BORGER CRANES.

TC/C.02/20.09- Attachment 1 Page 62 Waverley Traffic Committee 24 September 2020



THIS DRAWING HAS BEEN PREPARED FOR THE SOLE USE OF BORGER CRANES. IT IS LOANED TO THE RECIPIENT FOR HIS CONFIDENTIAL USE ONLY.
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7/21/2020

ST
CATHERINE'S
RPAC, TOWER
CRANE
DISMANTLE,
TRAFFIC
MANAGEMENT
PLAN

RICHARD CROOKES CONSTRUCTION, 2 MACPHERSON STREET, WAVERLEY 2024



Darren Lindsay
SYDNEY TRAFFIC CONTROL

TC/C.02/20.09- Attachment 2 Page 64

A Traffic Management Plan (TMP) must be prepared for any activity or event that results in a temporary road closure. Council submits all applications for road closures to the Roads and Maritime Services (RMS) for approval.

The RMS require all TMP's to be prepared and submitted as detailed in the RMS's guidelines titled "Procedures for use in the Preparation of a Traffic Management Plan (TMP)" Ver 2.0 dated December 2001. The relevant details required for the TMP is reproduced below.

ACTIVITY/EVENT	Full Temporary Road closure- Mobile
Activity Evelvi	Crane
LOCATION	1
LOCATION	St Catharine's RPAC Project-
	2 Macpherson Street, Waverley
TYPE	Class 1
CLIENT	Richard Crookes Construction
CONTACT	Rumbidzai Banda
	Richard Crookes
	Project Engineer
	bandar@richardcrookes.com.au
	02 9902 4620
	0419 210 433
APPLICANT	Sydney Traffic Control
CONTACT	Darren Lindsay
	Director
	0400441775
	info@sydneytrafficcontrol.com.au
ADDRESS	Unit 50, 45-51 Huntley Street,
	Alexandria 2015
EVENT DATE(S) &	Monday 18 <sup>th</sup> January 2021
EVENT HOURS	04:00 – 22:00
BACKUP DATE &	Monday 25 <sup>th</sup> January 2021
EVENT HOURS	04:00 - 22:00

## This Traffic Management Plan reviewed by:

Waverley Council:	/ /	
Eastern Suburbs PAC:	/ /	
Transport Management Centre:	/ /	
Transport for NSW:	/ /	

1

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## 1. Event overview.

This document – Traffic Management Plan (TMP) aims to provide a plan for vehicular traffic and pedestrian control measures to assist in delivering safe logistical support during the closure of Macpherson Street, Waverley between the Albion Street and Leichhardt Street roundabouts conducted by Richard Crookes construction on Monday 18<sup>th</sup> January 2021 between the hours of 04:00-22:00 to allow for the standing of a mobile crane and associated vehicles to remove the tower crane on-site at St Catherine's RPAC, 2 Macpherson Street, Waverley. The underlining objective is to minimise safety conflicts between vehicles and pedestrians and disruption to normal vehicular and pedestrian traffic on all approaches to Macpherson Street, Waverley between the Albion Street and Leichhardt Street roundabouts.

The objectives of this TMP are:

- To provide a high-level description of the various traffic management elements needed to make the event a success
- Ensure effective separation between event patrons and participants from vehicular traffic
- To provide a frame work for each agency to use to develop their own lower level plans
- To serve as the key document that is agreed to by all parties and is the final approval to conduct the event.
- Minimize impact on non-event community and emergency services

## 2. Execution:

## General outline:

The event requires highly coordinated efforts from a number of agencies: Richard Crookes Constructions will be responsible for:

- Co-ordinates the logistics for closure of a section of Macpherson Street for the setup of a mobile crane for the removal of a tower crane on site.
- Arranges advertising for road closure locations, times, other traffic disruptions / delays and alternative route information in the Local media.
- Provides traffic information signposting as identified in the TMP and associated Traffic Control Plan(s) (TCPs).
- Provides resources and traffic management infrastructure for traffic control and road closures as identified in the TMP.
- Blocking off traffic from parking on the East/West bound lanes along Macpherson Street 12 hours prior to work commencing using traffic cones and traffic controllers to monitor the area.

## Sydney Traffic control:

- Prepares the Traffic Management Plan
- Monitors traffic and pedestrians on all roads and footpath(s) approaching St Catherine's School at Macpherson Street Waverley to minimize pedestrian/traffic congestion on the day.

## 3. Management of the TMP

Richard Crookes Constructions has warranted that it will provide people, materials, resources and systems to properly perform the services related traffic management.

## 4. Situation Analyisis:

On Monday 18<sup>th</sup> January 2021 between the hours of 04:00am- 22:00pm, Richard Crookes Constructions propose to implement a full temporary road closure of Macpherson Street, between Albion Street and Leichhardt Street intersections, to enable the standing of a mobile crane to facilitate the removal of a tower crane out of St Catherine's School Sydney (2 Macpherson Street, Waverley).

It is suggested that approx. 60m of the roadway will be cordoned off to house the mobile crane, counter weight truck and delivery vehicles(s). Semi-trailers, delivery sections of the tower crane, will be limited to only 1 vehicle on-site at any given moment.

Access along Macpherson Street, will only be permitted from the intersection of Leichhardt Street and Macpherson Street for local residents to access their properties. Residents leaving Macpherson Street are permitted to exit via both Leichhardt Street and Albion Street. Traffic controllers will be in attendance, applying stop/slow control, where vehicles need pass the work area. A minimum of 3m is to be maintained at all times along Macpherson Street to provide adequate spacing for resident vehicles to safely pass the work area. Parking along the southern side (parking lane) will be restricted to allow the aforementioned (ref. section 10).

User paid police will be provided by Eastern Suburbs PAC as required and requested by council.

Traffic Control measures included in this document is a result of consultation undertaken by Richard Crookes Constructions, Waverley Council, Transport Management Centre (TMC), State Transit Authority, Transport for NSW (TfNSW) & Eastern suburbs PAC.

#### -TRAFFIC ARRANGEMENTS

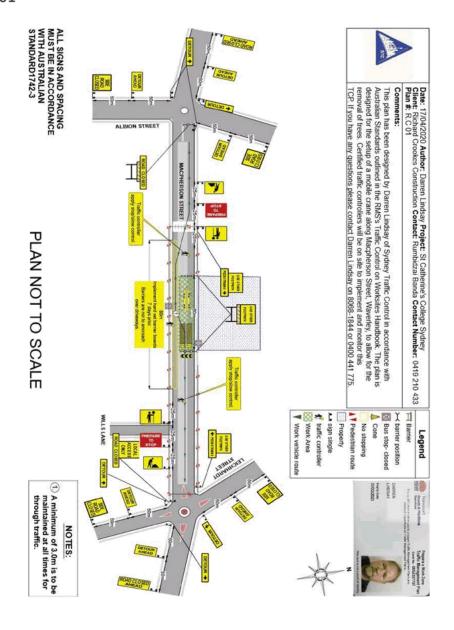
Traffic control measures include simple hard and soft road closures, use of traffic control devices (traffic signs) to warn motorist of the changes in traffic conditions. It is noted that per NSW Event place Health & Safety (WHS) law the Event Organiser – Richard Crookes Constructions and St Catherine's School Council–Richard Crookes Constructions, bear individual and shared risks related to the safety of event patrons and motorist. Richard Crookes Construction is identified as being responsible for event related safety risks which are associated with non-transferable WHS statute-posed obligations and Common Law Duty of Care provisions. In this context, Richard Crookes Construction should continue to actively consult and take all reasonable measures to practically exercise their duty of care obligations.

## 5. Traffic Control

It is suggested that 3 T.C with a vehicle attend to the proposed event and lay out all advanced warning signs and barricades ready for the start. All Traffic controllers in attendance on the day are to be RMS accredited. Vehicle & pedestrian traffic on all approaches to the work area will be under the direction of traffic control.

## TRAFFIC CONTROL PLAN

TCP R.C 01



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### 59 Macpherson St

Waverley NSW 2024

† Head north-west on Macpherson St

62 m -

At the roundabout, take the 1st exit onto Leichhardt
 St

260 m

Turn right onto Varna St

300 m

Turn right onto Fern St

97 m

Turn right onto Albion St



140 m

### Albion St

Randwick NSW 2031

9



### 59 Macpherson St

Waverley NSW 2024

† Head north-west on Macpherson St

62 m -

At the roundabout, take the 3rd exit onto Leichhardt St

200 m -

At the roundabout, continue straight onto Bronte Rd

230 m

Turn left onto Albion St



280 m ---

### Albion St

Randwick NSW 2031

11

#### 7. Assessment of public transport services affected.

Bus stop ID 202429 and ID202429 along Macpherson Street (between Leichhardt Street and Albion Street, will be closed during the works. A temporary detour route has been proposed during the works. Pedestrians requiring bus services along this route will be requested to board at the existing bus stops located along bus stop along Bronte Road ID 202426 & ID 202421 and bus stops ID 202430 & ID 202441 along Macpherson Street.



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### 8. Assessment of effect on existing developments

No effect on existing developments within the area are expected.

### 9. Bump in/Bump out.

- Bump In- Setup for the event will begin at approximately 04:00am
- Bump out- Pack-up is proposed to commence at 21:30pm and finish no later than 22:00pm.

#### 10. Parking:

Kerb side parking spaces will be restricted to surrounding residents where reasonable consideration to the surrounding work(s) area has been measured and to allow residents to utilize the through lane provided. Traffic controllers in attendance are to restrict vehicle parking within a proximity of the works where it is deemed unsafe i.e. within the vicinity of the cranes slewing radius. It is suggested that a minimum of 80m along the southern kerb lane be restricted to allow merging of traffic on the approach. Hard set barriers board are to be implemented 7 days prior to exclude the parking spaces. Barriers are not to encroach over driveway access at any given moment. Notification letters will be distributed at least 7 days and 21 days prior to the works to advise of changes to parking conditions.

# 11. Details of provision made for emergency vehicles, heavy vehicles and pedestrians.

- Emergency vehicles- will have been briefed of the day's activities prior to event commencing. Access to the event site will be maintained at all times.
- Pedestrians- will be required to follow any and all instructions given by T.C and adhere to all advanced warning signs and devices set out within the T.C.P.

### 12. Public Consultation Process.

Letters will be distributed to all residents and businesses prior to event commencing and a notice will be placed in the local paper 7 days prior to event.

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#### SYDNEY TRAFFIC CONTROL PTY, LTD.

Unit 50/45-51 Huntley St, Alexandria

Tel: 02 8338 0207 Fax: 02 8068 1844 A.B.N. 70 127 567 417

Temporary Road Closure.

Macpherson Street, Waverley 2024

Monday 18<sup>th</sup> January 2021

4:00am to

Monday 18<sup>th</sup> January 2021

10:00pm

A temporary road closure will be in affect along Macpherson Street, between Albion Street & Leichhardt Street on Monday 18th January 2021 to enable the setup of a mobile crane for the removal of a tower crane on-site at the St Catherine's School Sydney. Existing bus stops along Macpherson Street, between Leichhardt Street and Albion Street will be temporarily closed due to bus diversions.

Detour routes will be in effect for traffic on the approach between Leichhardt Street and Albion Street during the works. Access for local residents will be permitted via the Leichhardt Street intersection only. No access will be provided via Albion Street. Residents leaving their property are permitted to do so via both, Leichhardt Street & Albion Street. Approx. 80m of kerb side parking along the southern side of Macpherson Street will be restricted a minimum of 7 days prior via hard set barrier boards. Minor delays for traffic and buses are expected during the proposed working hours. Traffic controllers will be in attendance at all times to alleviate any public disruptions and provide local/resident access within the boundaries of the closure. The works will be held over a 1-day period.

For any concerns or if you would like any further information please contact Darren Lindsay. Traffic Planner on

PH: 80681844 Mob: 0400441775

Regards

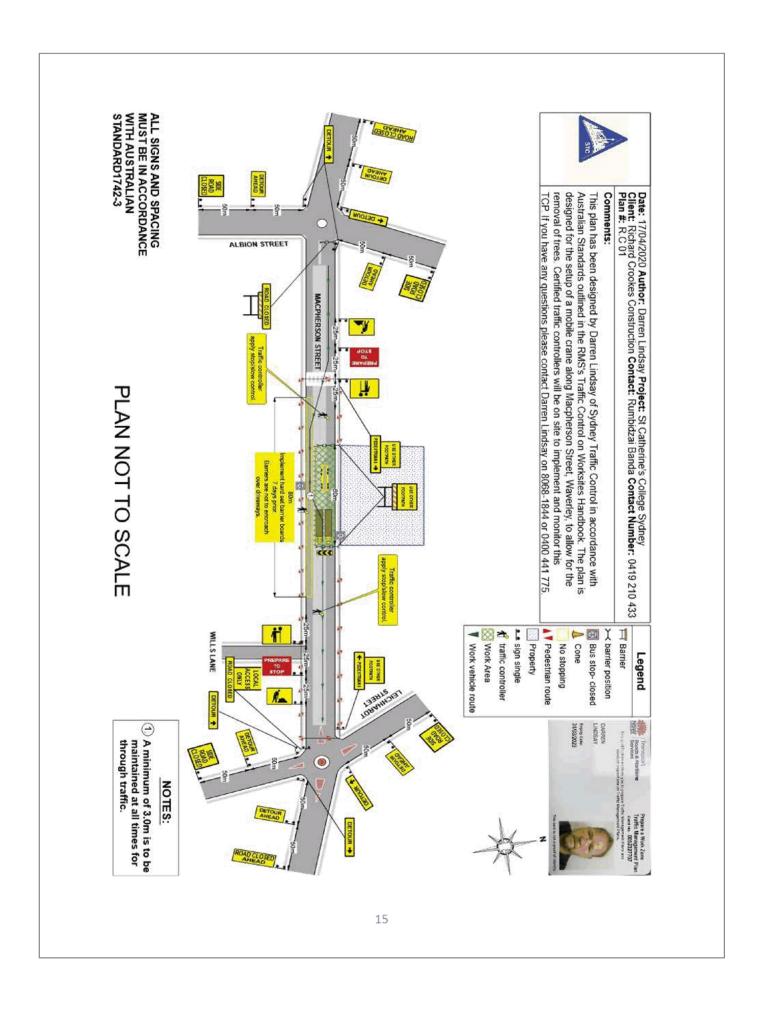
Darren Lindsay

Director/Traffic Engineer

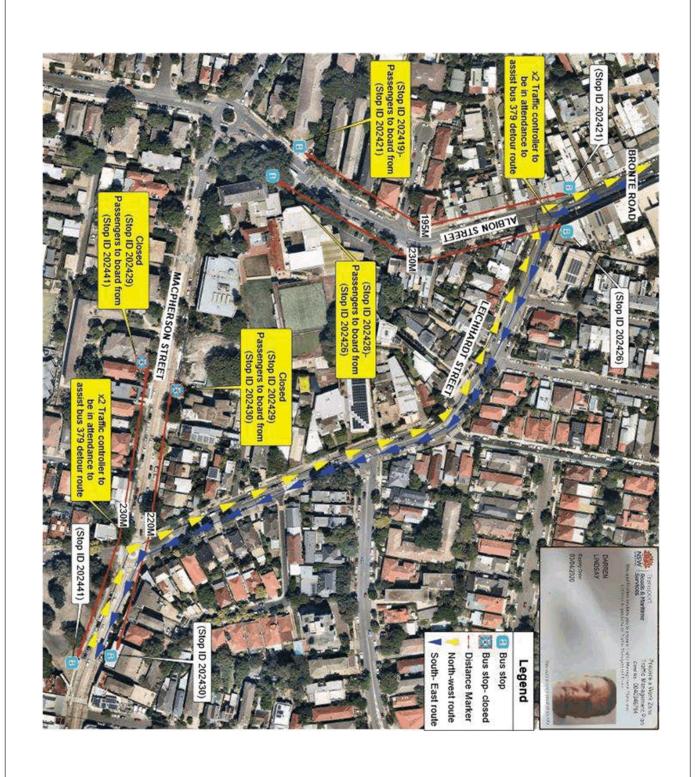
SYDNEY TRAFFIC CONTROL PTY LTD



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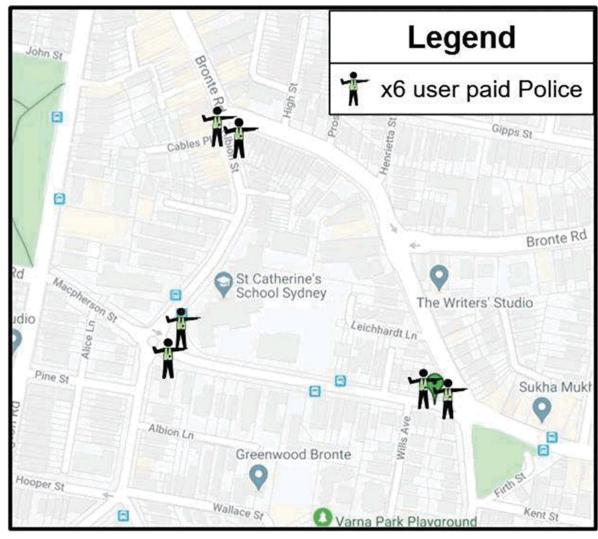


Waverley Traffic Committee



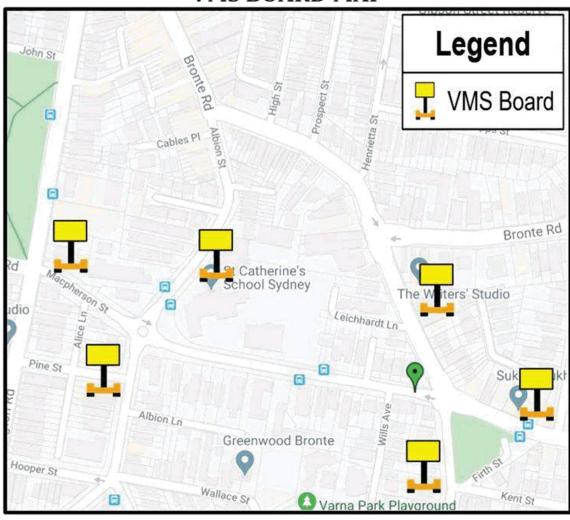
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### **USER PAY POLICE LOCATION**



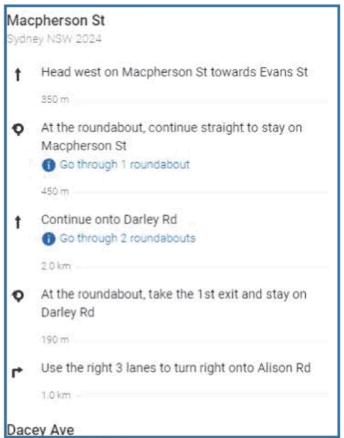
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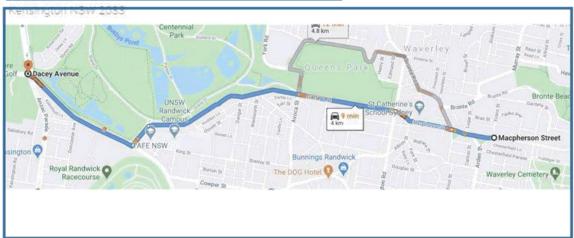
### **VMS BOARD MAP**



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### TRUCK INGRESS ROUTE



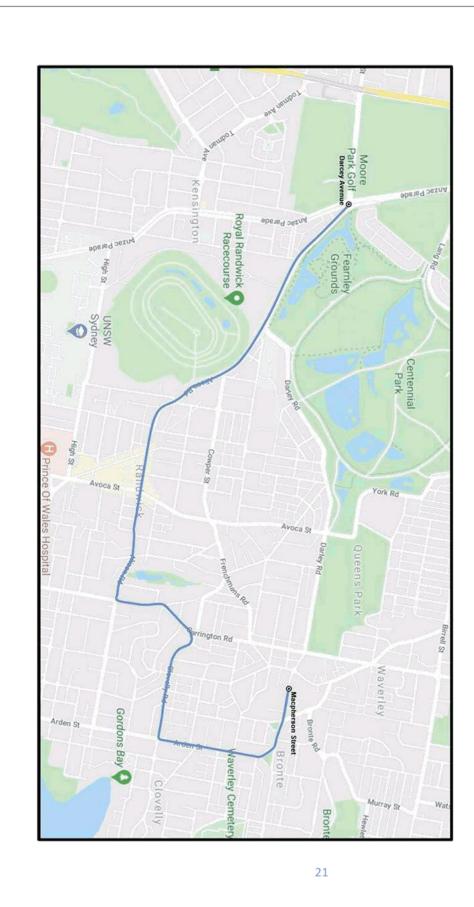


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## **TRUCK EGRESS ROUTE**

t	Head east on Macpherson St towards Wills Ave				
	22 s (160 m)				
~	Take Arden St and Alison Rd to Dacey Ave in Moore Park				
	14 min (5.9 km)				
	Đ	At the roundabout, continue straight to stay on Macpherson St			
		190 m			
	Γ*	Turn right onto Arden St  1 Go through 1 roundabout			
		750 m			
	P	At the roundabout, take the 3rd exit onto Clovelly Rd			
		700 m			
	4	Turn left onto Carrington Rd			
		650 m			
	1	Turn right onto Alison Rd			
		3.0 km			
	1	Continue onto Dacey Ave			
		350 m			

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## **REPORT** TC/C.03/20.09

Subject: Arden Street, Waverley - Varna Street to Chesterfield

Parade - 100% Detailed Design

**TRIM No:** SF18/779

**Author:** Amanda Tipping, Project Manager, Major Projects

Calum Hutcheson, Service Manager, Traffic and Transport

**Authoriser:** Dan Joannides, Executive Manager, Infrastructure Services



That Council:

1. Endorses the 100% detailed design for Arden Street between Varna Street and Chesterfield Parade, Waverley, attached to this report (Attachment 2).

2. Delegates authority to the Executive Manager, Infrastructure Services, to modify the design should circumstances arise during the delivery of the project.

#### 1. Executive Summary

This report seeks Council endorsement of the 100% detailed design for improvements to Arden Street between Varna Street and Chesterfield Parade, Waverley, as detailed in in Attachment 2.

The Arden Street project has largely focused on improving pedestrian access and safety around Clovelly Public School. Community consultation raised the following key issues in relation to Arden Street between Varna Street and Chesterfield Parade:

- Vehicles 'running the red' at the signalized pedestrian crossing on Arden Street
- Motor vehicle speeds.
- Inadequate footpaths on Arden Street for walking and cycling.

100% detailed designs have been prepared for improvements to Arden Street between Varna Street and Chesterfield Parade. This follows a concept design (see Attachment 1) which was considered at the Traffic Committee meeting on 25 July 2019, with further analysis recommended prior to detailed design. The Traffic Committee recommendation was endorsed by Council, subject to consideration of soft surface beautification.

The detailed design does not include potential works along Arden Street from Chesterfield Parade to Macpherson Street. Works in this area subject to further investigations.

The traffic signal design is contained in Attachment 3. It is for information only. Transport for NSW (TfNSW) is responsible for the approval of the traffic signal design.

Figures 1, 2, and 3 present the site location and 100% design.





Figure 1. Area of investigation – Arden Street between Varna Street and Chesterfield Parade.

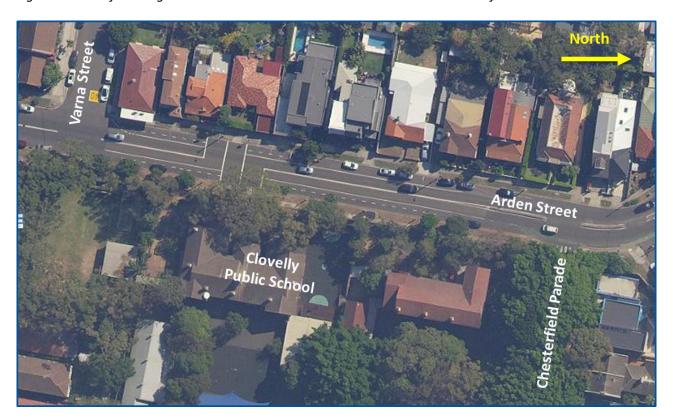


Figure 2. Area of investigation – Arden Street between Varna Street and Chesterfield Parade.

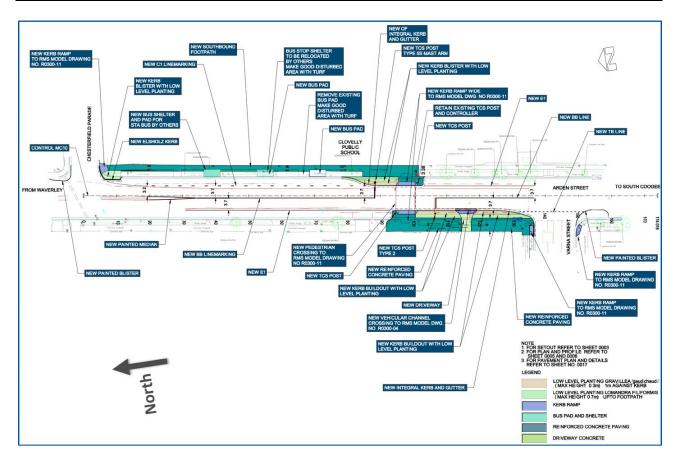


Figure 3: 100% detailed design – Arden Street between Varna Street and Chesterfield Parade (see Attachment 2 for more details).

#### 2. Introduction/Background

This project has arisen in response to community concerns about pedestrian, cyclist, and vehicle conflict along Arden Street between Macpherson Street and Varna Street. The design has considered:

- Conditions at the signalised pedestrian crossing outside Clovelly Public School.
- Movements of pedestrians and cyclists along Arden Street itself and the adjacent footpaths.
- Provision for bus parking on the eastern side of Arden Street outside Clovelly Public School.

Council engaged the consultant The Transport Planning Partnership to undertake a safety review and develop concept design options to improve pedestrian and cycling safety along this section of road and the section of Arden Street between Chesterfield Parade and Macpherson Street.

The safety review identified that the highest priority safety issue is conflict with motor vehicles at the signalised pedestrian crossing outside Clovelly Public School, where too many motorists were observed running red lights. Poor visibility of the red lanterns was considered as the major contributor to this issue. This was exacerbated when school buses were lined up illegally outside the school. Other key issues identified included:

- Pedestrian/vehicle conflicts at the Chesterfield Parade pedestrian crossing.
- Vehicle speeds.
- Inadequate footpath widths.
- Need for safe cycling to and from school by students and their parents.

A concept design to address these issues was submitted to the Traffic Committee meeting on 25 July 2019. It included:

- Kerb build-outs at the signals.
- Relocation of the signal posts.
- Formalisation of the State Transit and school bus zones.

The concept was approved by Council, subject to further investigation including soft surface beautification where possible.

Council engaged MU Group in January 2020 to develop a detailed design for the section of Arden Street between Varna Street and Chesterfield Parade. This included:

- An upgrade to the traffic signals at the pedestrian crossing on Arden St outside Clovelly public school.
- Improvement and formalisation of the bus stop and school Bus Zone area on the eastern side of Arden Street outside Clovelly Public School.
- Improve to the footpaths to enhance safety for pedestrians and traffic.

Feedback from TfNSW has been taken into account in developing the detailed design (also referred to as the 100% design).

The table below sets out the previous Traffic Committee recommendation and Council decision:

Table 1. Previous Traffic Committee recommendation and Council decision.

Meeting and date Minute No.		Recommendation/decision			
Council 20 August 2019	CM/5.2.1/19.08	That the Traffic Committee's recommendation be adopted subject to referring the proposal to the relevant Council team for soft surface beautification.			
Traffic Committee 25 July 2019	TC/C.01/19.07	That the Council Officer's Proposal be adopted subject to the following amendments:			
		1. Clause 4 be amended to read as follows:			
		4. Approves in principle the concept designs, subject to the following amendments:			
		(a) In response to the results of community consultation and specifically clause 3(a) above, improves the visibility of the traffic lights by building out the kerb and gutter, relocating the lantern posts and improving the bus zone, noting that the kerb buildout on the western side of Arden Street extends to the Varna Street intersection.			
		(b) In response to the results of community consultation and specifically clause 3(b) above, upgrades the Chesterfield Parade pedestrian crossing to improve visibility and increase pedestrian safety through			

<ul><li>The addition of a new clause 7 that reads as follows:</li><li>'All of the above proposed works are to be the subject</li></ul>
(e) Further investigates the location of the STA bus stop including the option of relocating it to the south side of the pedestrian crossing, and amends the concept design as necessary.
And:
(d) Installs kerb blisters in Macpherson Street, east and west of Arden Street, to facilitate the movement of the stop line.
(c) In regard to clause 3(g) above, deletes the proposed shared path on the east side of Arden Street between Macpherson Street and Chesterfield Parade.
implementing a wombat crossing or other measure.

#### 3. Technical Analysis

The proposed design is contained in Attachment 2 to this report. It comprises:

- 1. Building out the kerb and gutter on the approaches to the Arden Street signalised pedestrian crossing and improving visibility of the traffic lights by installing new primary and secondary signal posts on the build-outs.
- 2. The kerb build-out on the southbound approach has been installed within the 10 m no stopping zone prior to the traffic signals. It will prevent buses parking within the statutory no stopping zone. This will improve pedestrian visibility with the buses parked further back from the signals.
- 3. The kerb build-out on the Arden Street northbound approach will be from Varna Street to the traffic signals.
- 4. Low-level planting for the southbound and northbound kerb build-outs to deter pedestrians jaywalking in this area. A sight line envelope assessment has been undertaken to ensure the low-level plantings do not impact the line of sight to pedestrians at the signals.
- 5. A kerb build-out at the intersection of Chesterfield Parade and Arden Street, will assist with formalising the bus stop area outside Clovelly Public School. The kerb build-out at this location is also intended to improve safety by providing greater clearance to the footpath from errant vehicles traveling southbound on Arden Street at the sharp horizontal curve and steep downward grade.
- 6. Widening of the concrete footpath outside Clovelly Public School, adjacent to Arden Street southbound between Chesterfield Parade and the signalised pedestrian crossing.

- 7. Removal of the dedicated southbound on road-bicycle lane and replace with bicycle pavement markings within the southbound traffic lane.
- 8. Removal of the dedicated northbound on road-bicycle lane and replacement with bicycle pavement markings withing the northbound traffic lane.
- 9. Provision of a stormwater drainage system to improve the existing drainage situation where possible.

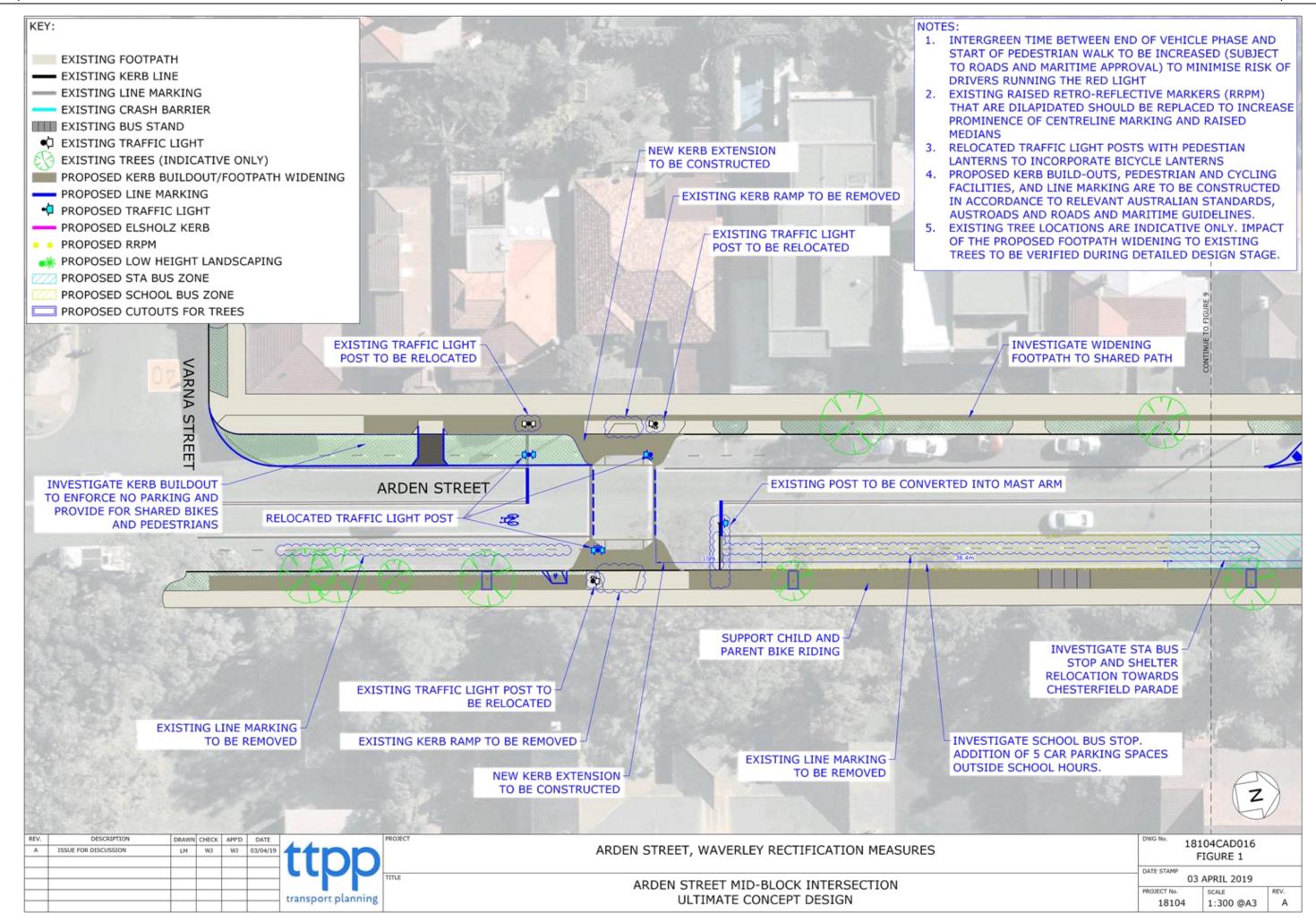
#### 4. Financial Information for Council's Consideration

The capital works budget for 2020–2021 currently has \$407,734 allocated to the project.

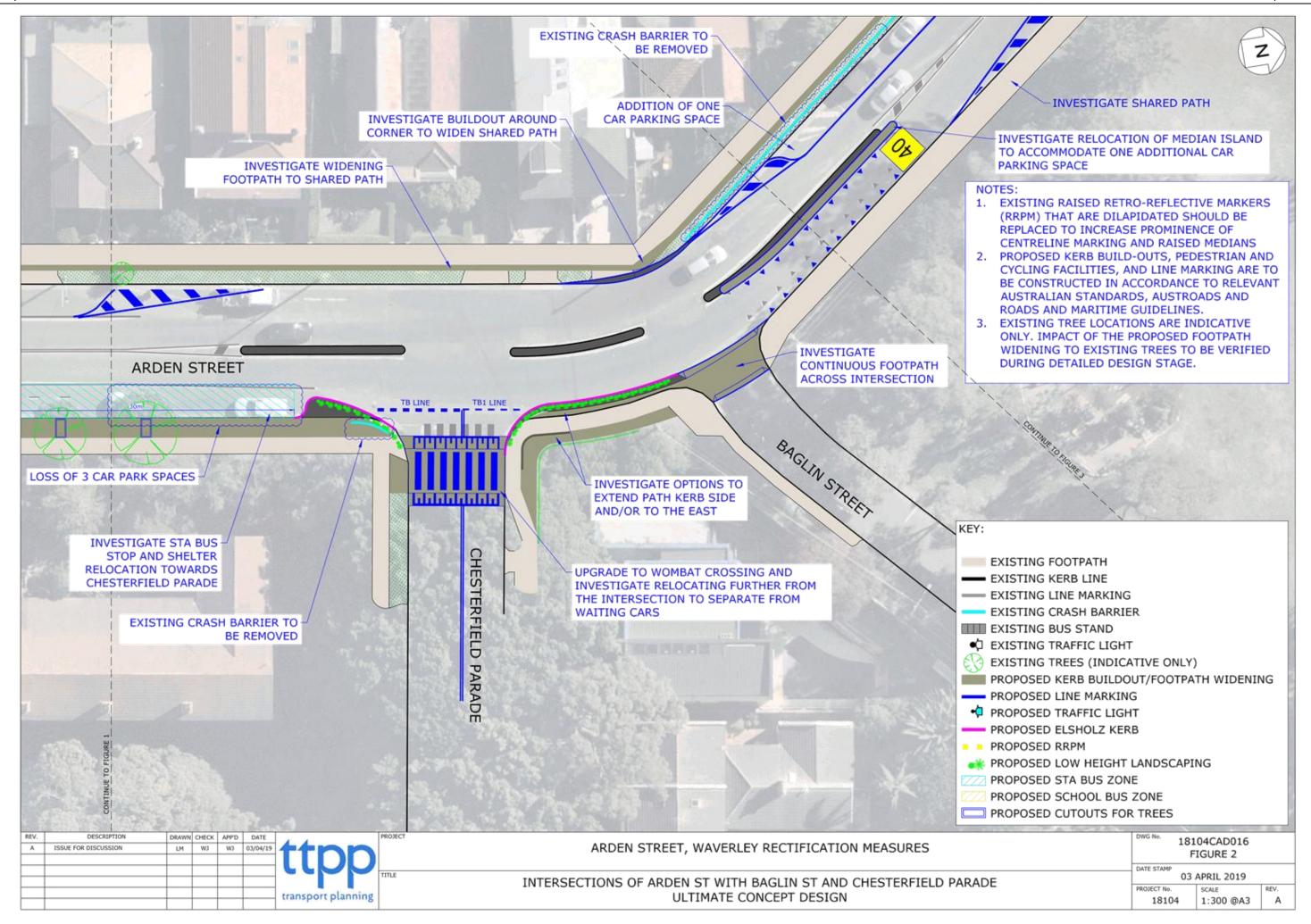
#### 5. Attachments

- 1. Concept design considered by Traffic Committee on 25 July 2019 &
- 2. 100% detailed design <a>J</a>
- 3. Traffic signal design <a>\frac{1}{2}</a> .

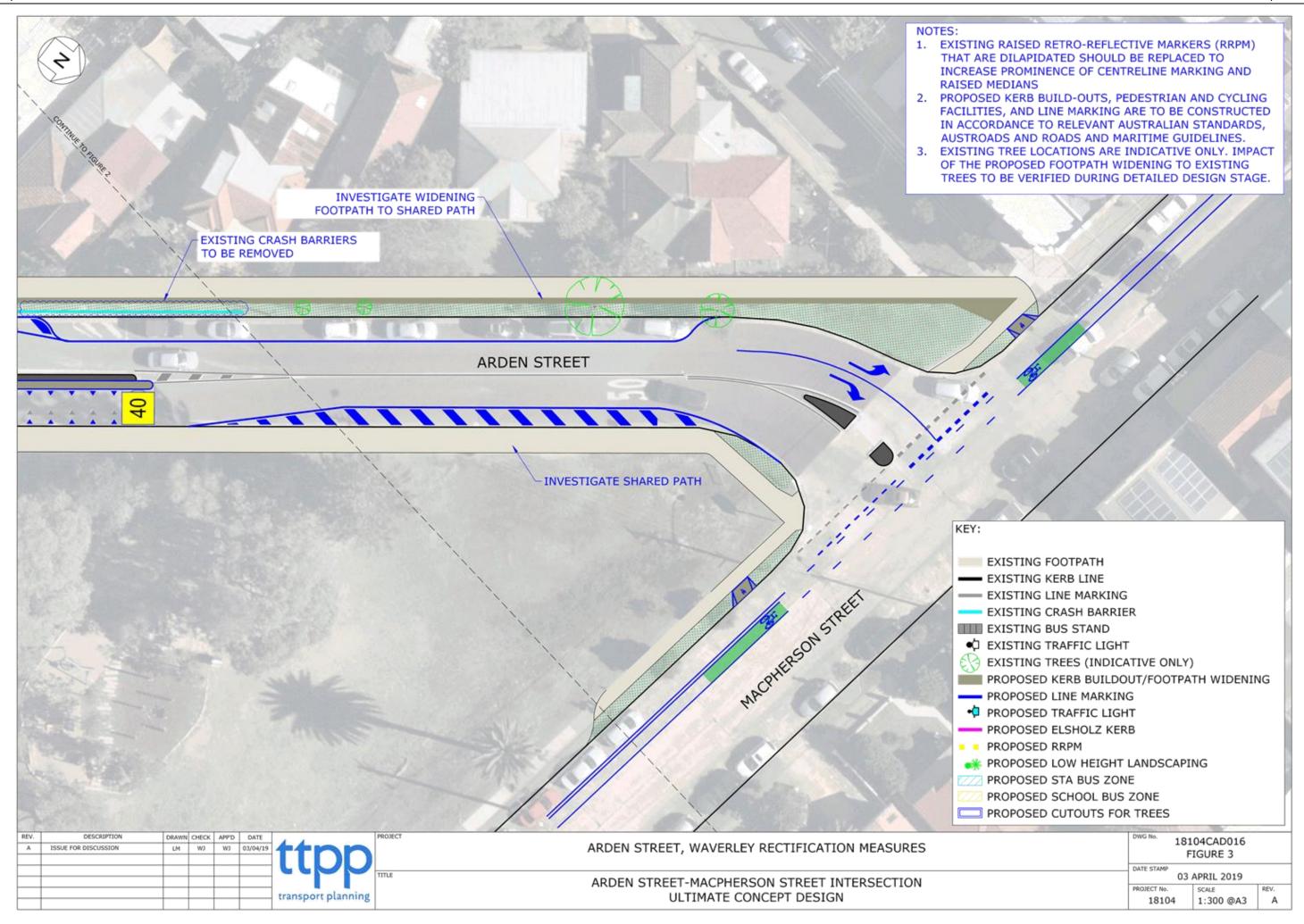
Waverley Traffic Committee 24 September 2020



Waverley Traffic Committee 24 September 2020

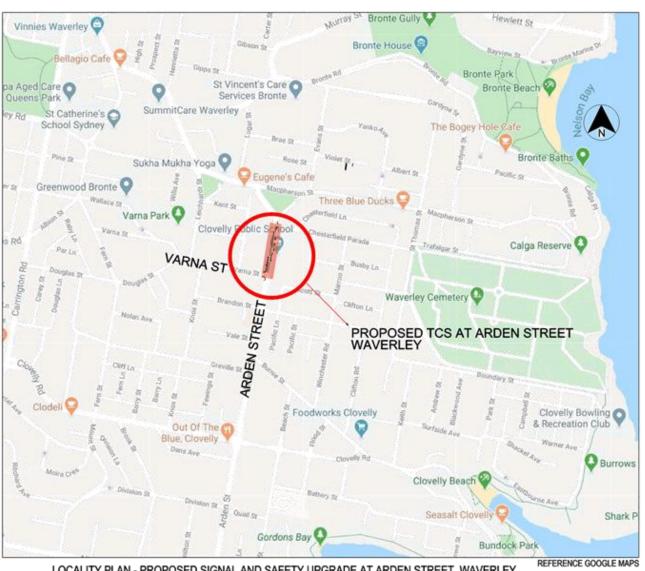


Waverley Traffic Committee



## PROPOSED SIGNAL AND SAFETY **UPGRADE AT ARDEN STREET** WAVERLEY

## 100% DETAILED DESIGN



LOCALITY PLAN - PROPOSED SIGNAL AND SAFETY UPGRADE AT ARDEN STREET, WAVERLEY

SCALES 100% DETAILED DESIGN G K 2 SEPT 2020 3 AUG 2020 Fourth Issue GK 100 200 Third Issue GK 25 JUNE 2020 HORIZONTAL SCALE 1:10000m GK DESIGNED . G. Krishnasamy T. Lance REVIEWED .. A3 original This sheet may be prepared using colour and may be incomplete if copied

Level 4, 23-33 Mary Street, Surry Hills NSW 2010 T 02 9016 7272 www.mugroup.com.au

WAVERLEY

WAVERLEY COUNCIL PROPOSED SIGNAL AND SAFETY UPGRADE AT ARDEN STREET, WAVERLEY

PROPOSED SIGNAL AND SAFETY UPGRADE AT ARDEN STREET, WAVERLEY

PRINTED DATE 2 SEPT 2020

ISSUE

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20\_4\_DD\_0001



#### REF DOCUMENTS

- 1. RMS SUPPLEMENT, AUSTROADS DESIGN GUIDELINE AND RMS DELINEATION GUIDELINES

- 2. RMS DELINEATION MANUAL, AS 1742.1 AND AS 1742.2
  FOR SIGNPOSTING AND LINE MARKING
  3. WAVERLEY COUNCIL PUBLIC DOMAIN
  TECHNICAL MANUAL REVISION E FEBRUARY 2019
  4. RMS TRAFFIC SIGNAL DESIGN GUIDELINES
  5. AUSTRALIAN STANDARDS AS1428.4.1
  6. WAVERLEY COUNCIL STANDARD DRAWINGS FOR
  CONSTRUCTION NOTES, PITS AND PIPE INSTALLATION

#### DRAWING INDEX

Sno.	Drawing Reg. No.	Drawing Title
1	20-4-DD-0001	COVER SHEET
2	20-4-DD-0002	KEY PLAN GENERAL NOTES AND INDEX
3	20-4-DD-0003	SETOUT COORDINATES
4	20-4-DD-0004	GENERAL ARRANGEMENTS
5	20-4-DD-0005	ROAD PLAN AND LONG SECTION-CH0 TO CH70 MC10
6	20-4-DD-0006	ROAD PLAN AND LONG SECTION-CH70 TO CH142 MC10
7	20-4-DD-0007	LONG SECTION KERB AND GUTTER
8	20-4-DD-0008	CROSS SECTIONS 0-30-MC10 ARDEN STREET
9	20-4-DD-0009	CROSS SECTIONS 40-70-MC10 ARDEN STREET
10	20-4-DD-0010	CROSS SECTIONS 80-110-MC10 ARDEN STREET
11	20-4-DD-0011	CROSS SECTIONS 120-140-MC10 ARDEN STREET
12	20-4-DD-0012	CROSS SECTIONS 150-174-MC10 ARDEN STREET
13	20-4-DD-0013	DRAINAGE AND CONTOUR PLAN
14	20-4-DD-0014	DRAINAGE DETAILS
15	20-4-DD-0015	DRAINAGE DETAILS - CONVERTER PIT
16	20-4-DD-0016	ROADSIDE FURNITURE AND LINEMARKING
17	20-4-DD-0017	PAVEMENT PLAN AND DETAILS
18	20-4-DD-0018	DEMOLITION PLAN
19	20-4-DD-0019	BUS STOP DETAILS
20	20-4-DD-0020	UTILITIES PLAN

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No. Amendment Description		Initials	Date		DESIGNED G. Krishnasamy REVIEWED T. Lance
B Second Issue		GK	02 JUNE 2020	0 10 20 30	
С	C Third Issue		25 JUNE 2020		
D	Fourth Issue		3 AUG 2020		
E 100% DETAILED DESIGN		GK	2 SEPT 2020		
REV				SCALES	PREPARED BY



WAVERLEY

WAVERLEY COUNCIL

PROPOSED SIGNAL AND SAFETY UPGRADE AT ARDEN STREET, WAVERLEY

DRAWING TITLE
PROPOSED SIGNAL AND SAFETY UPGRADE
AT ARDEN STREET, WAVERLEY
KEY PLAN GENERAL NOTES AND INDEX

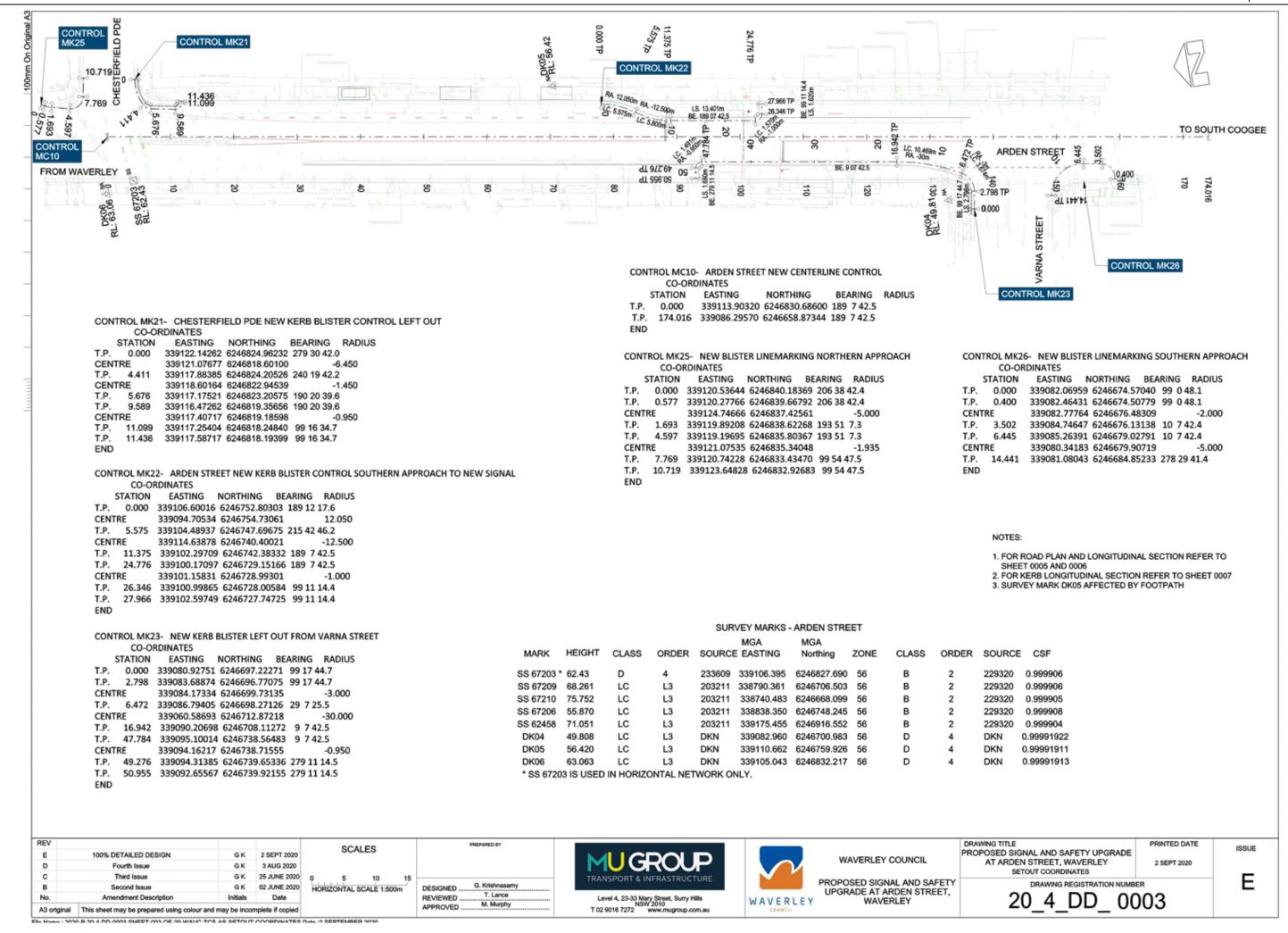
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ISSUE

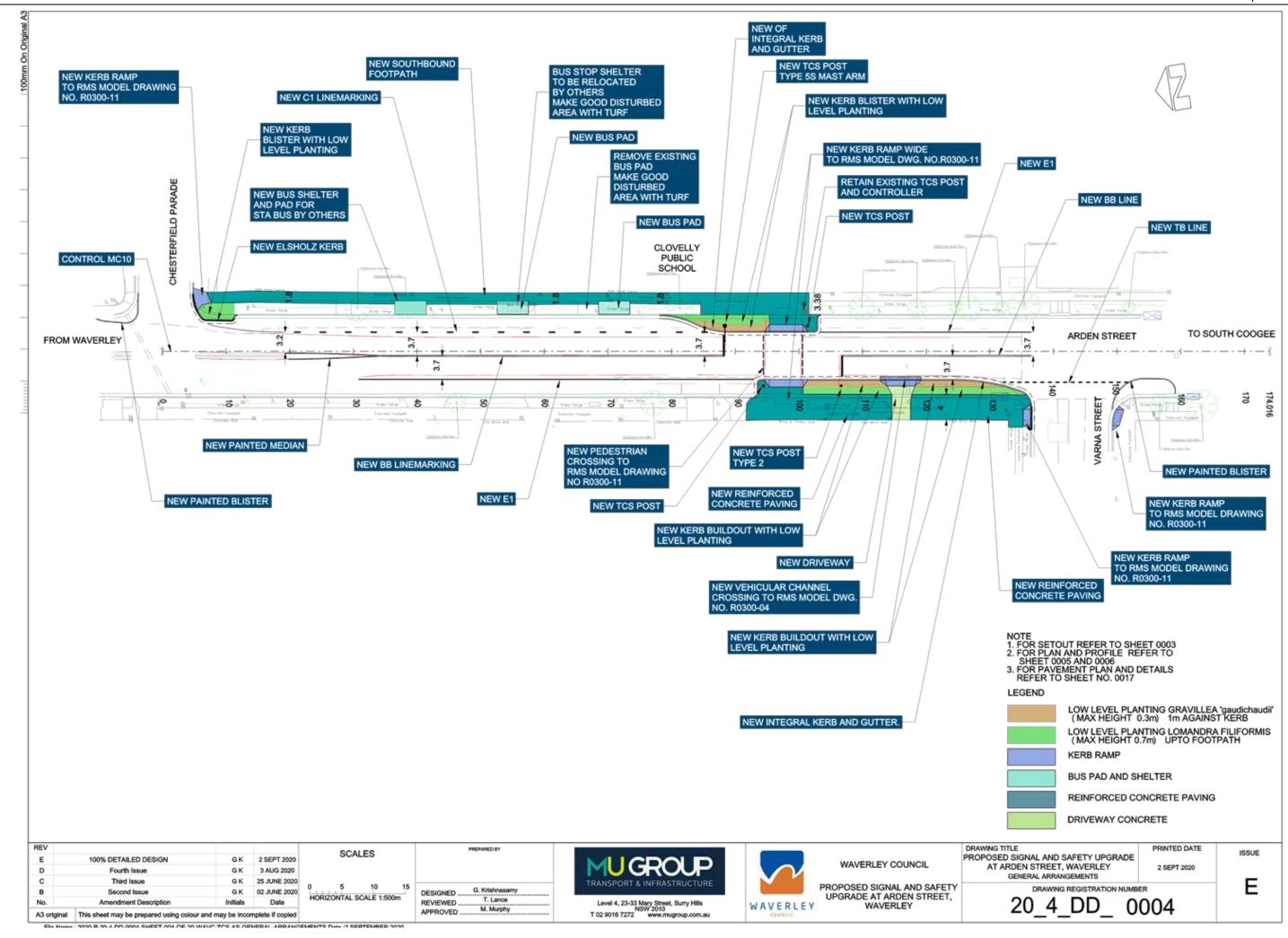
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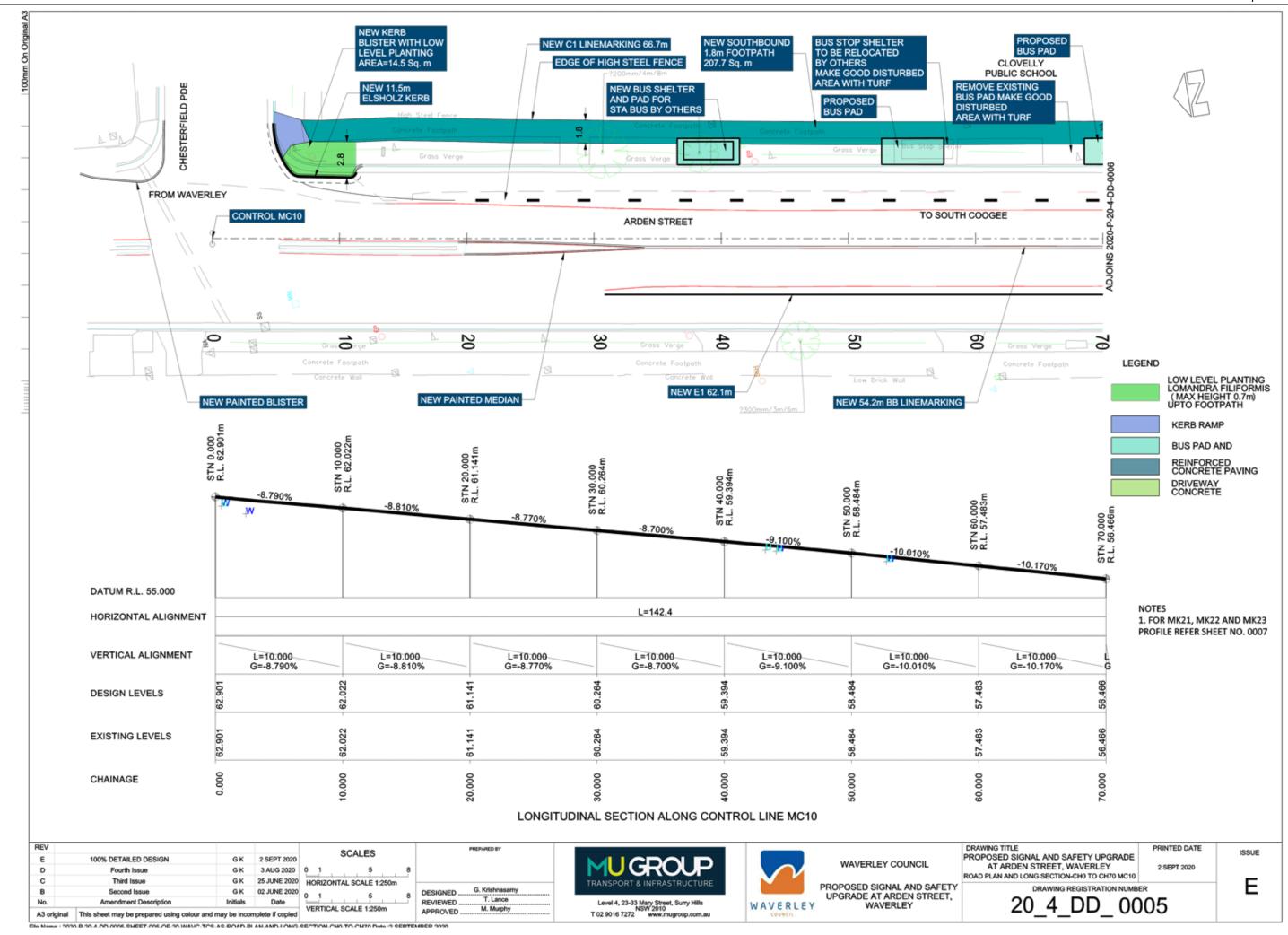
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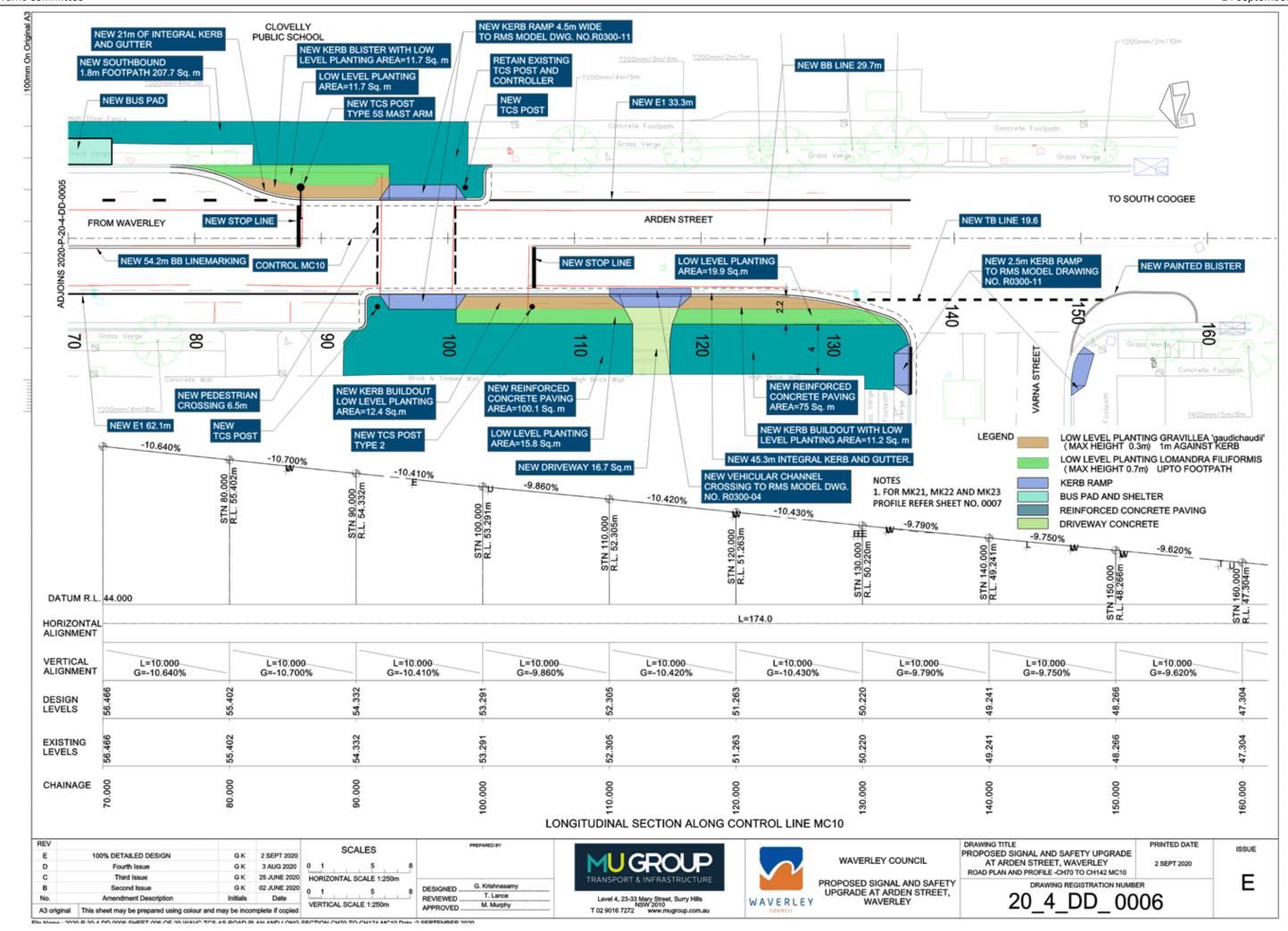
Page 96 TC/C.03/20.09- Attachment 2

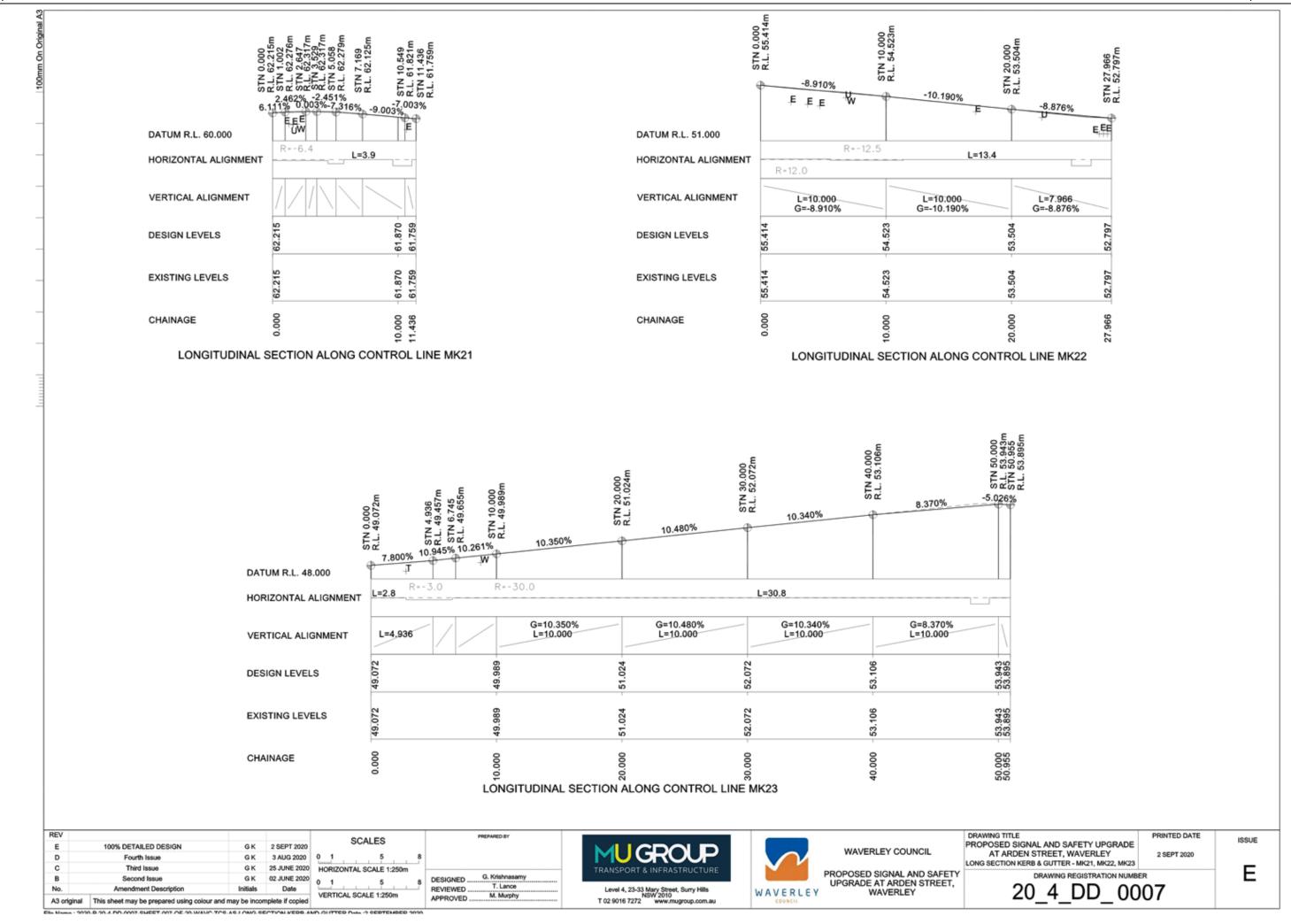


Waverley Traffic Committee 24 September 2020

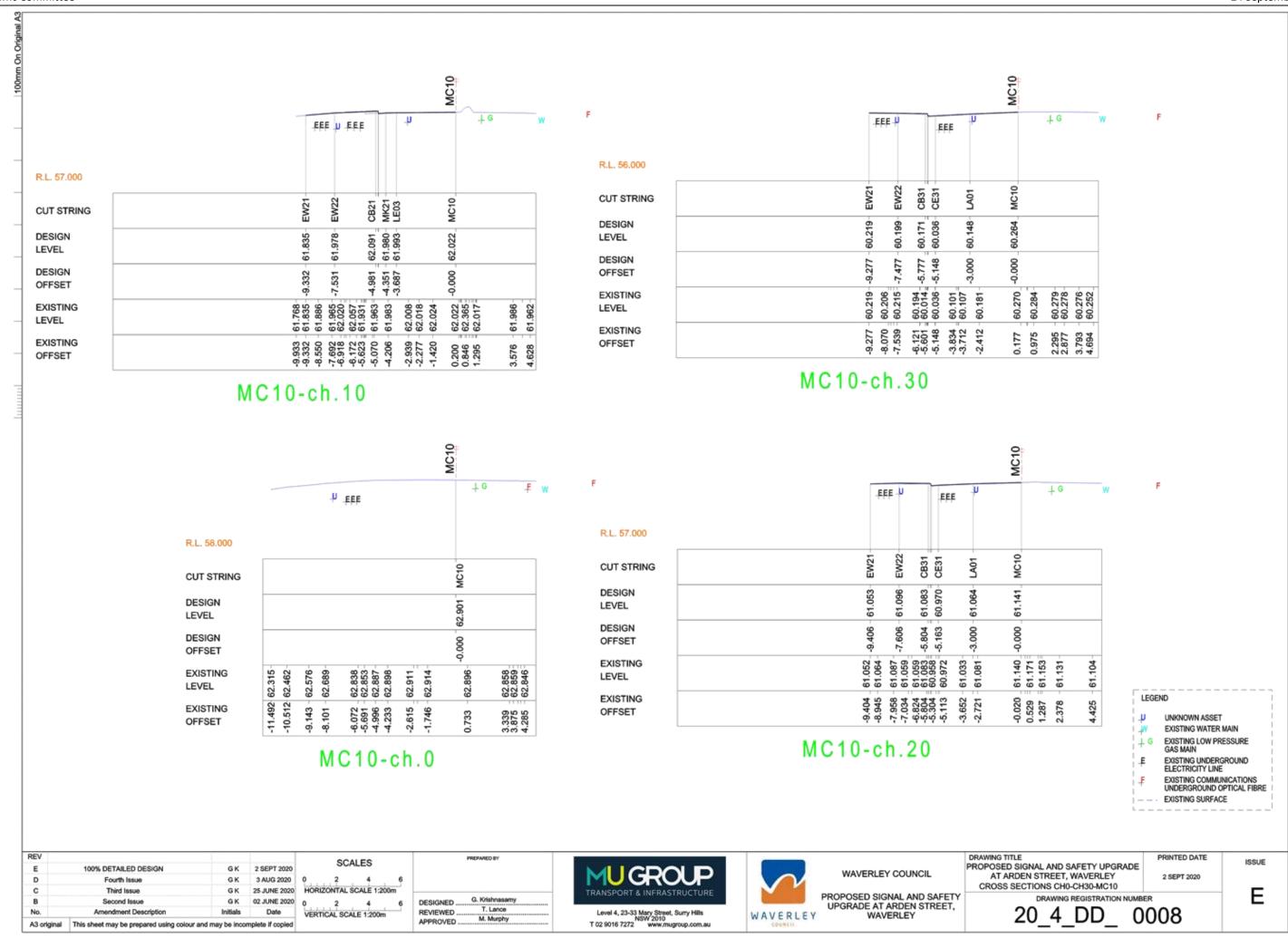


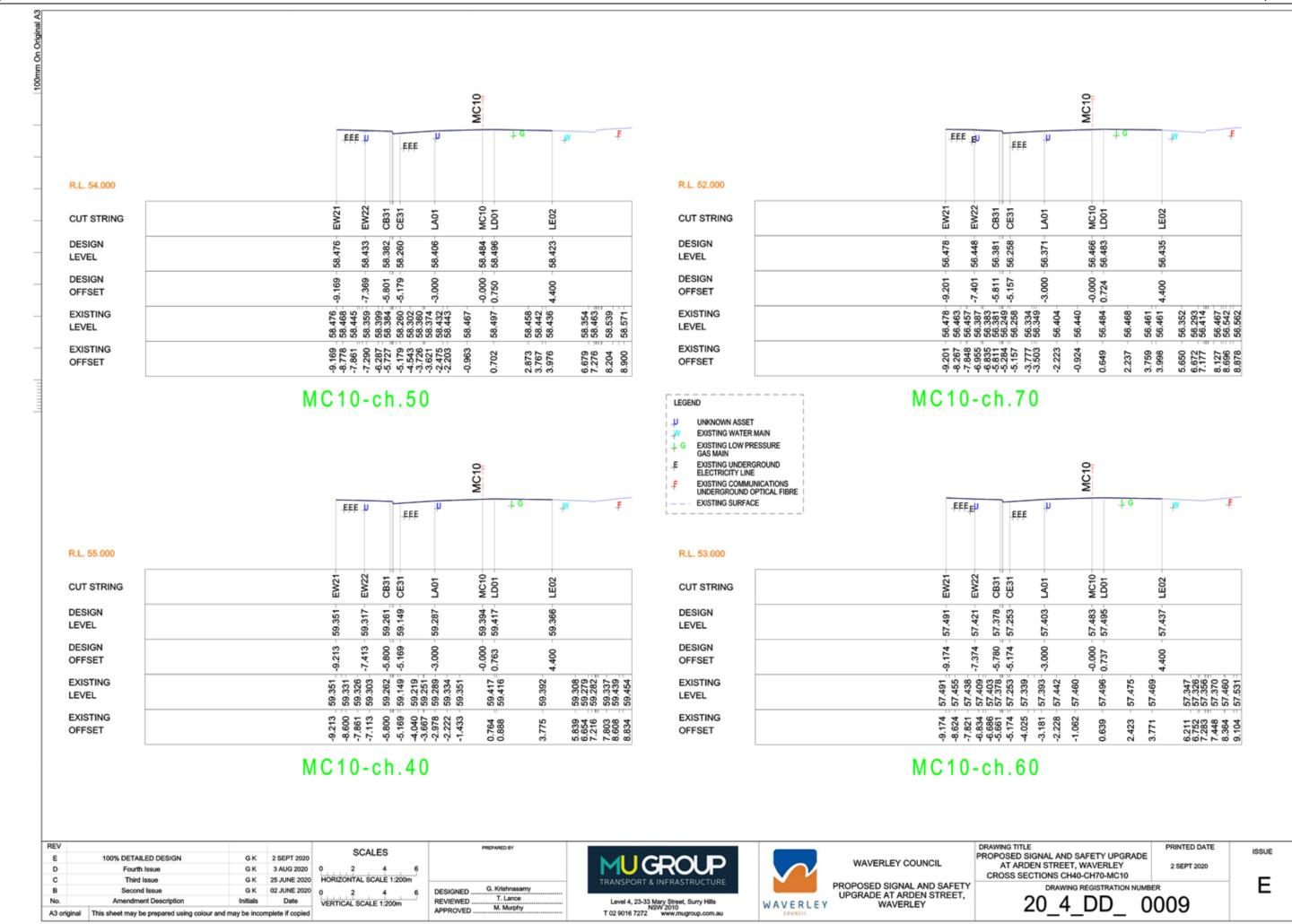


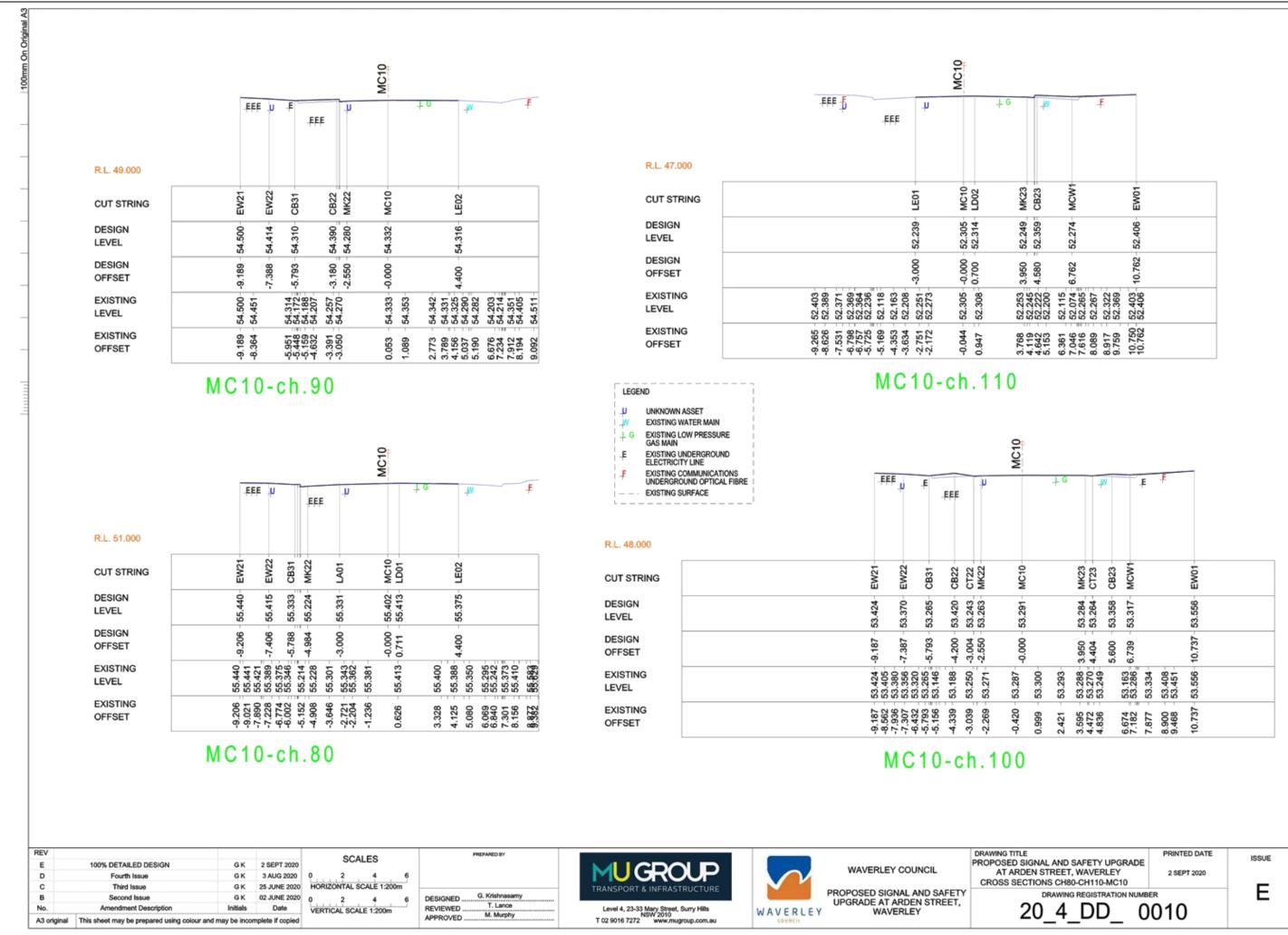




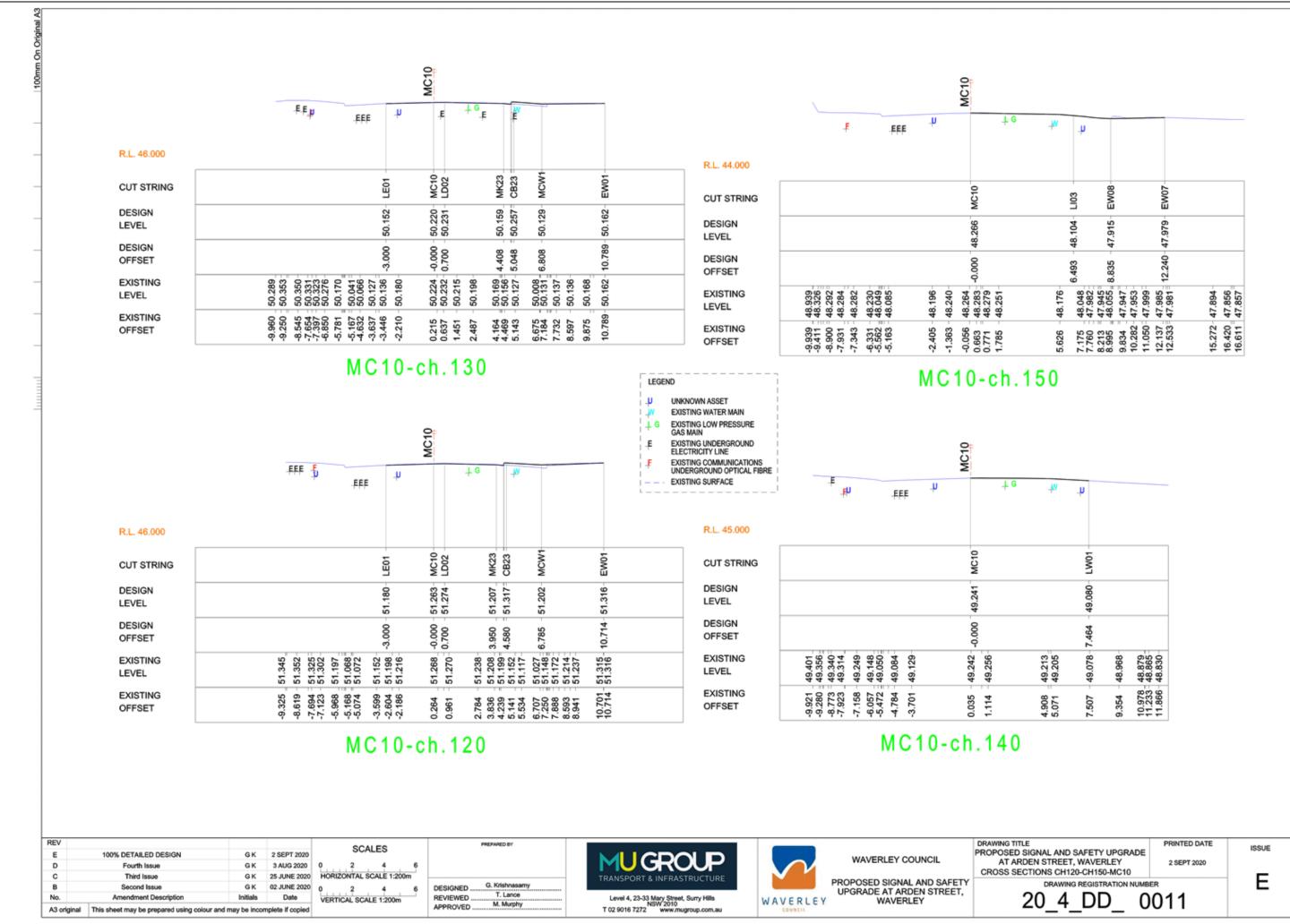
Waverley Traffic Committee 24 September 2020

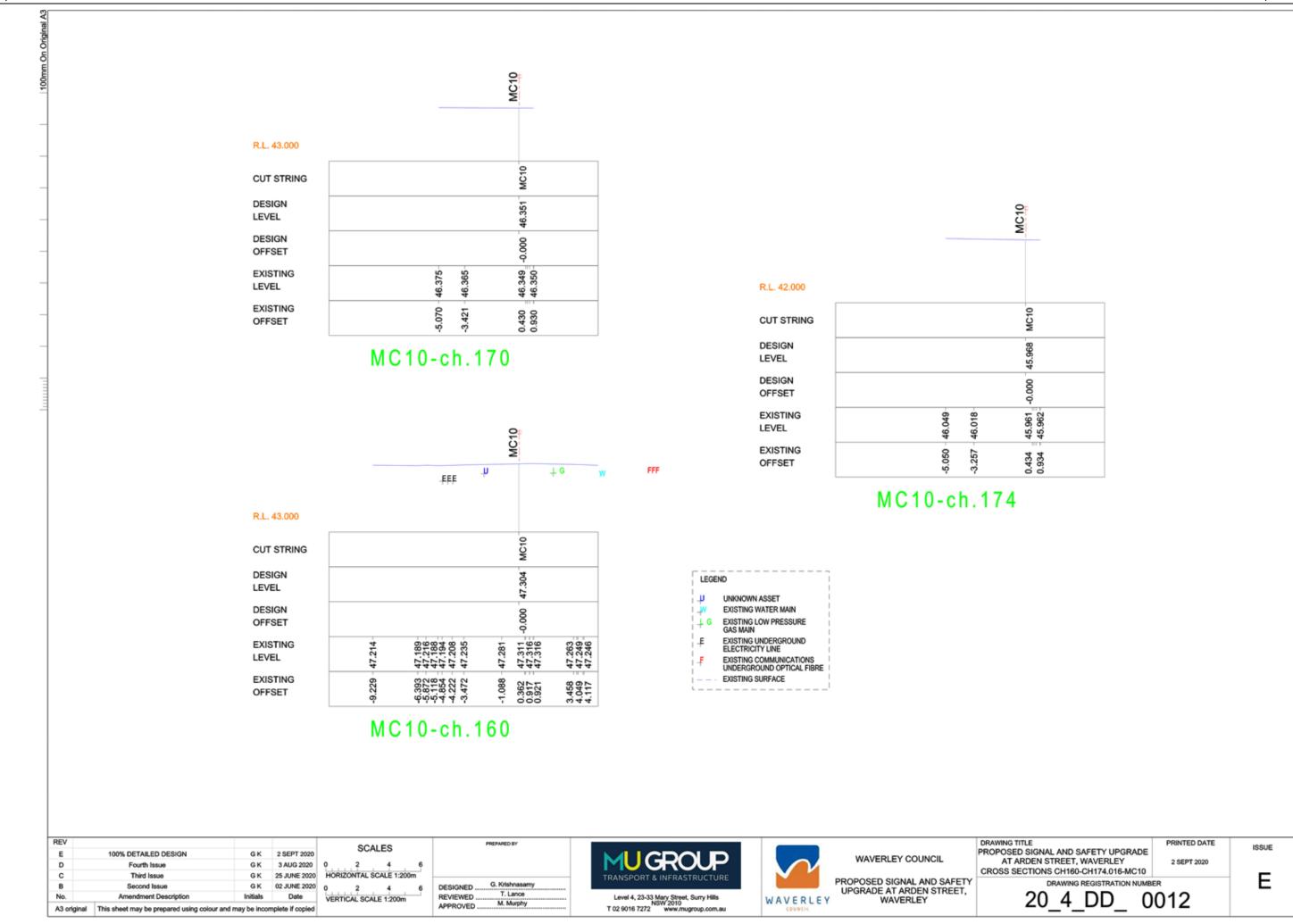




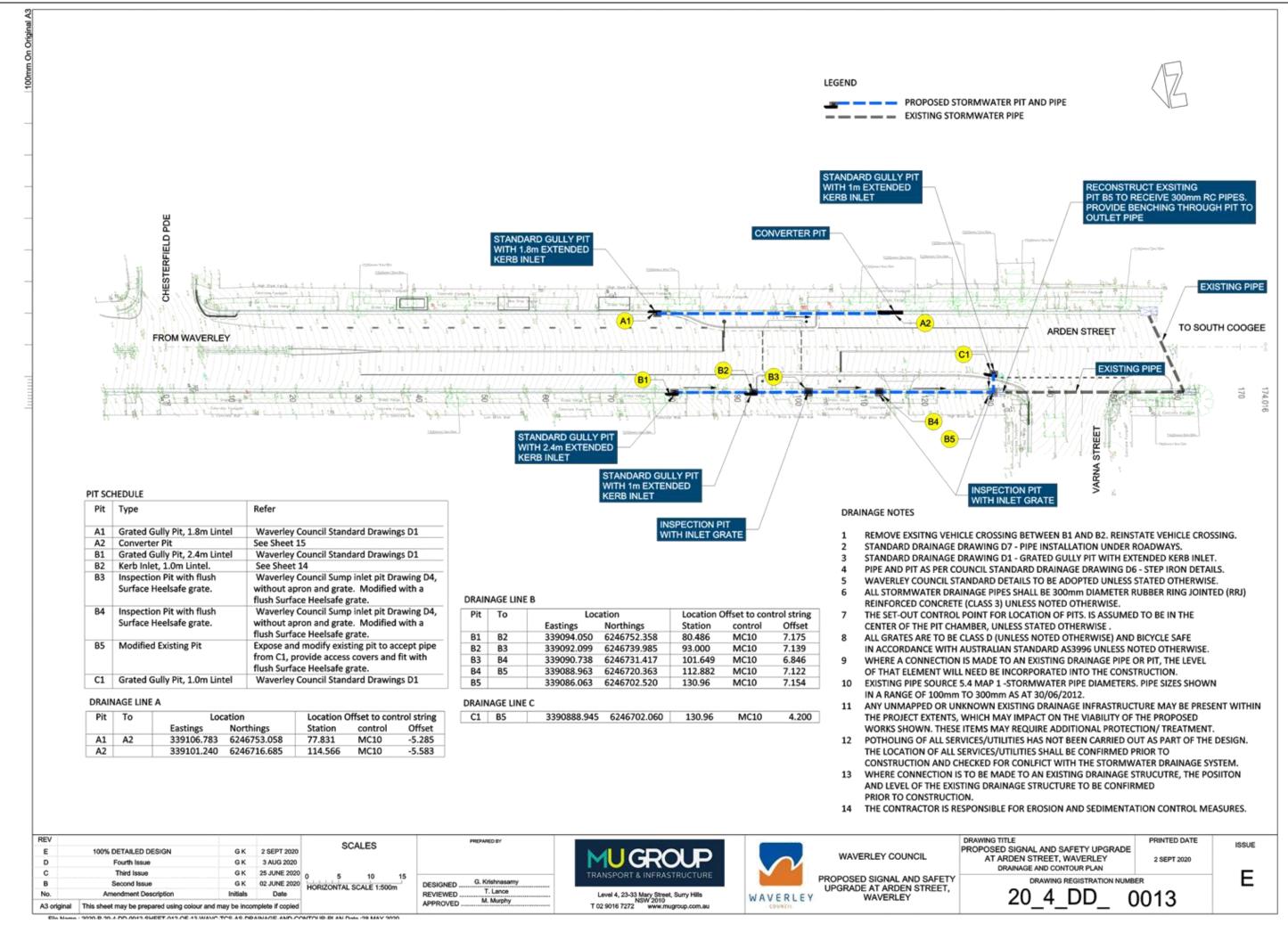


Waverley Traffic Committee 24 September 2020

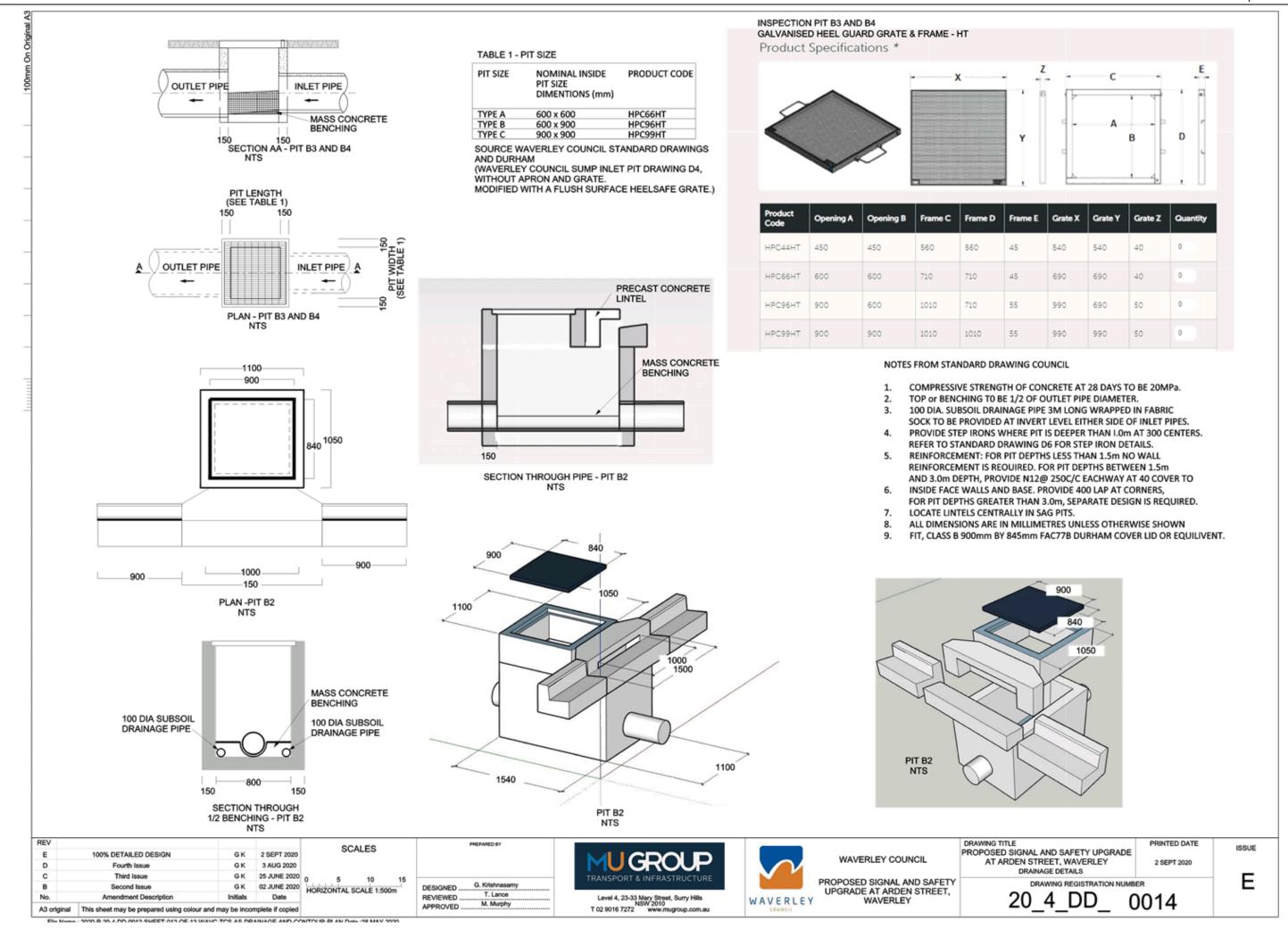


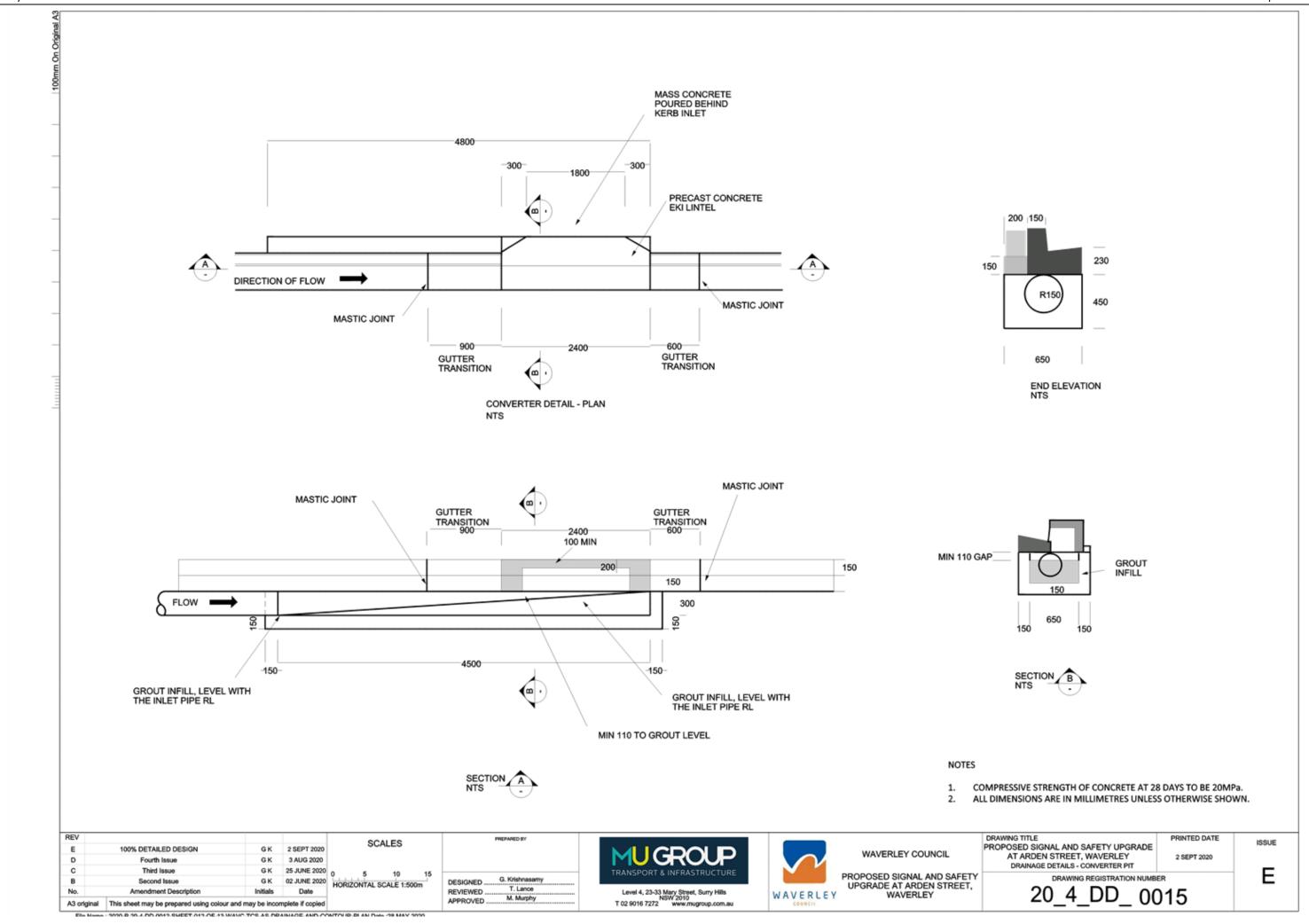


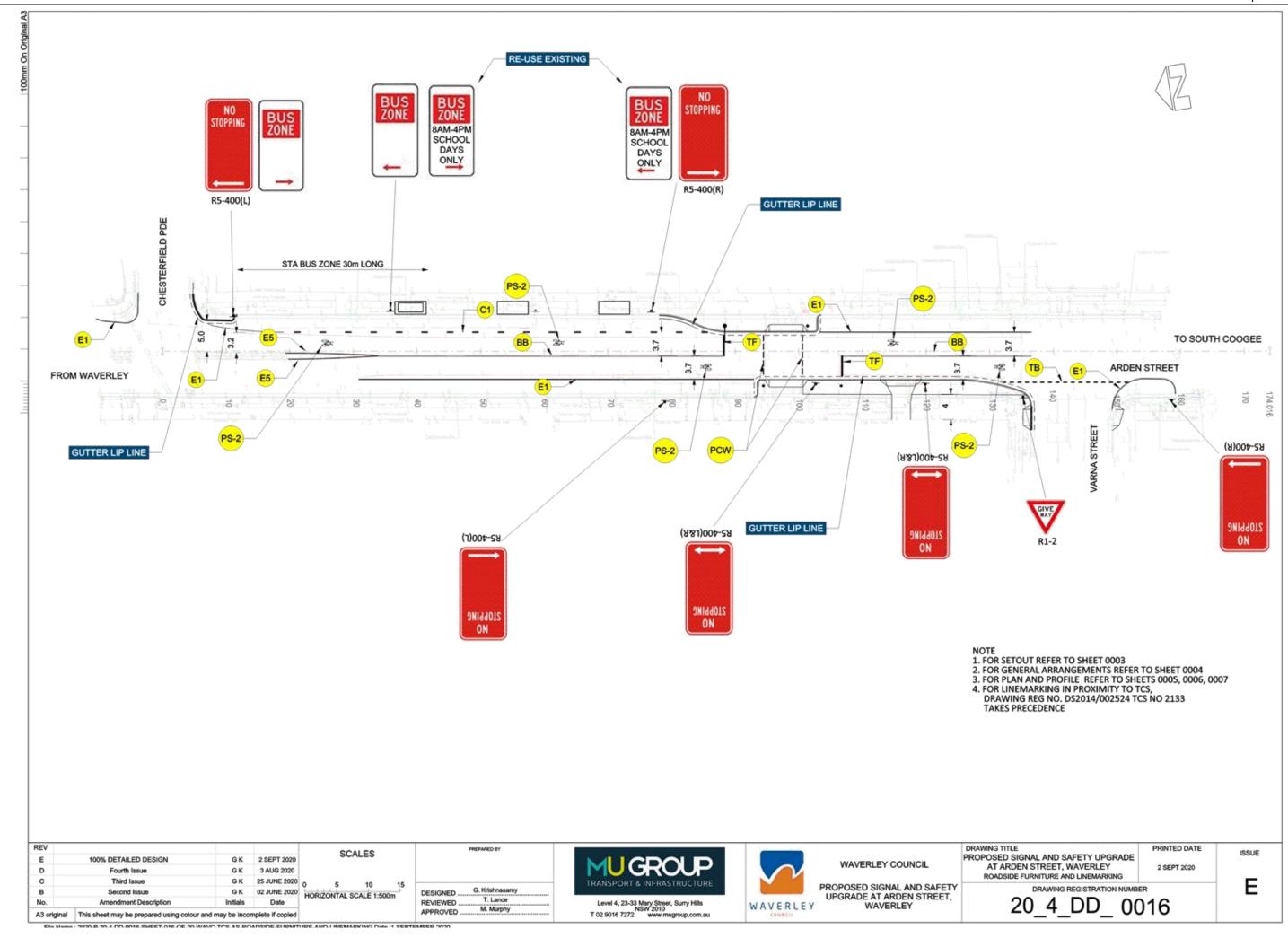
Waverley Traffic Committee 2220



Waverley Traffic Committee 24 September 2020

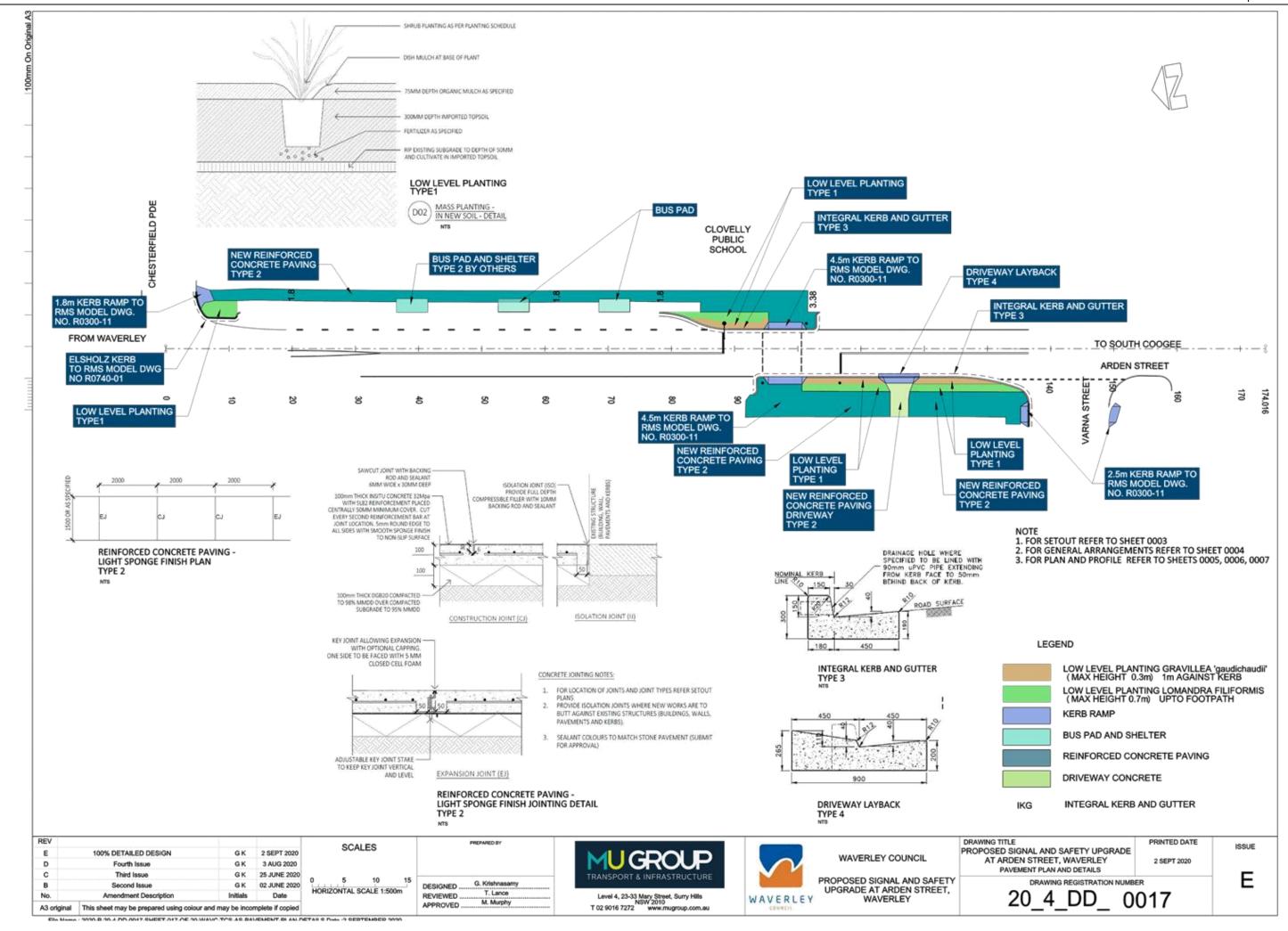




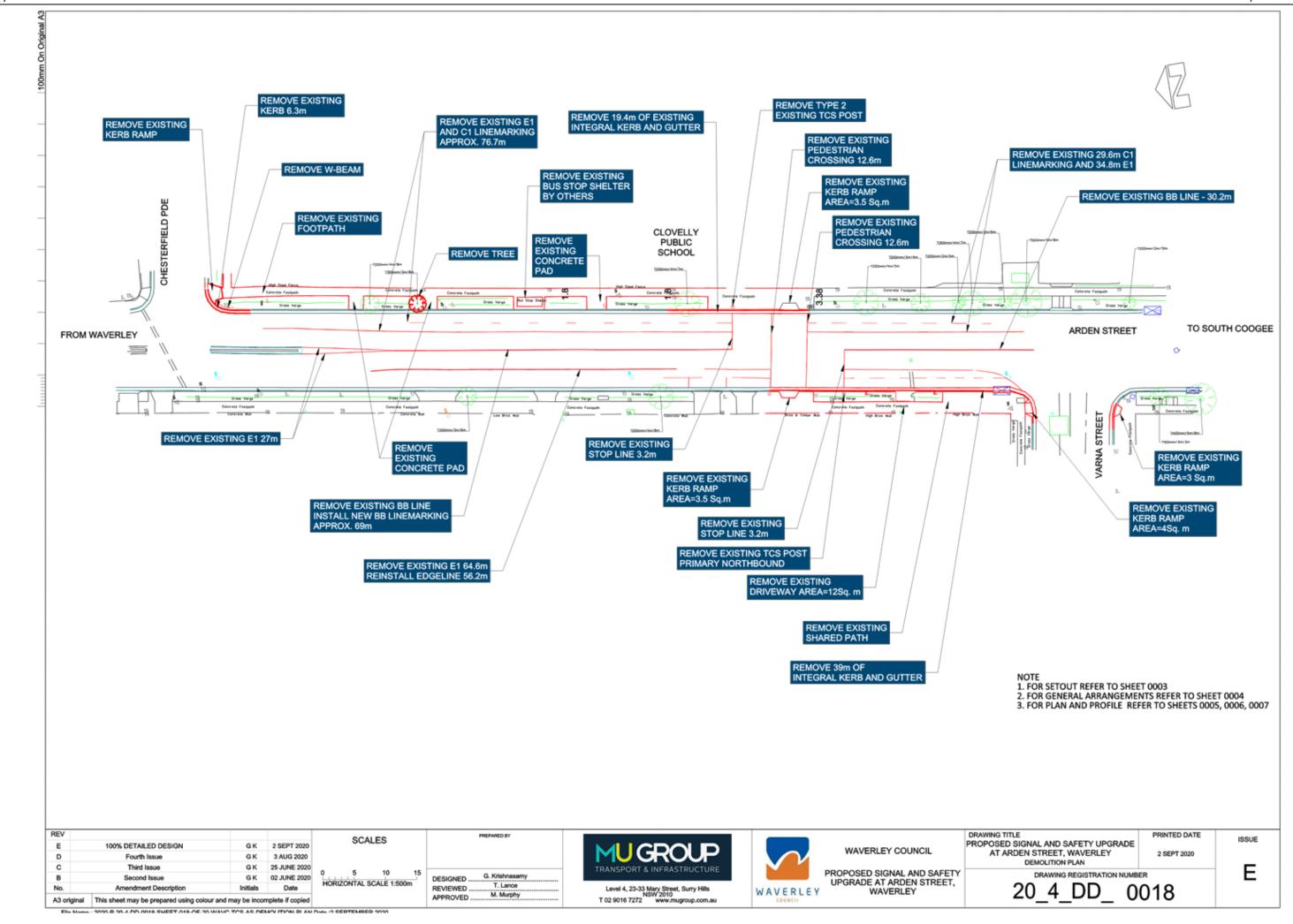


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Waverley Traffic Committee 24 September 2020

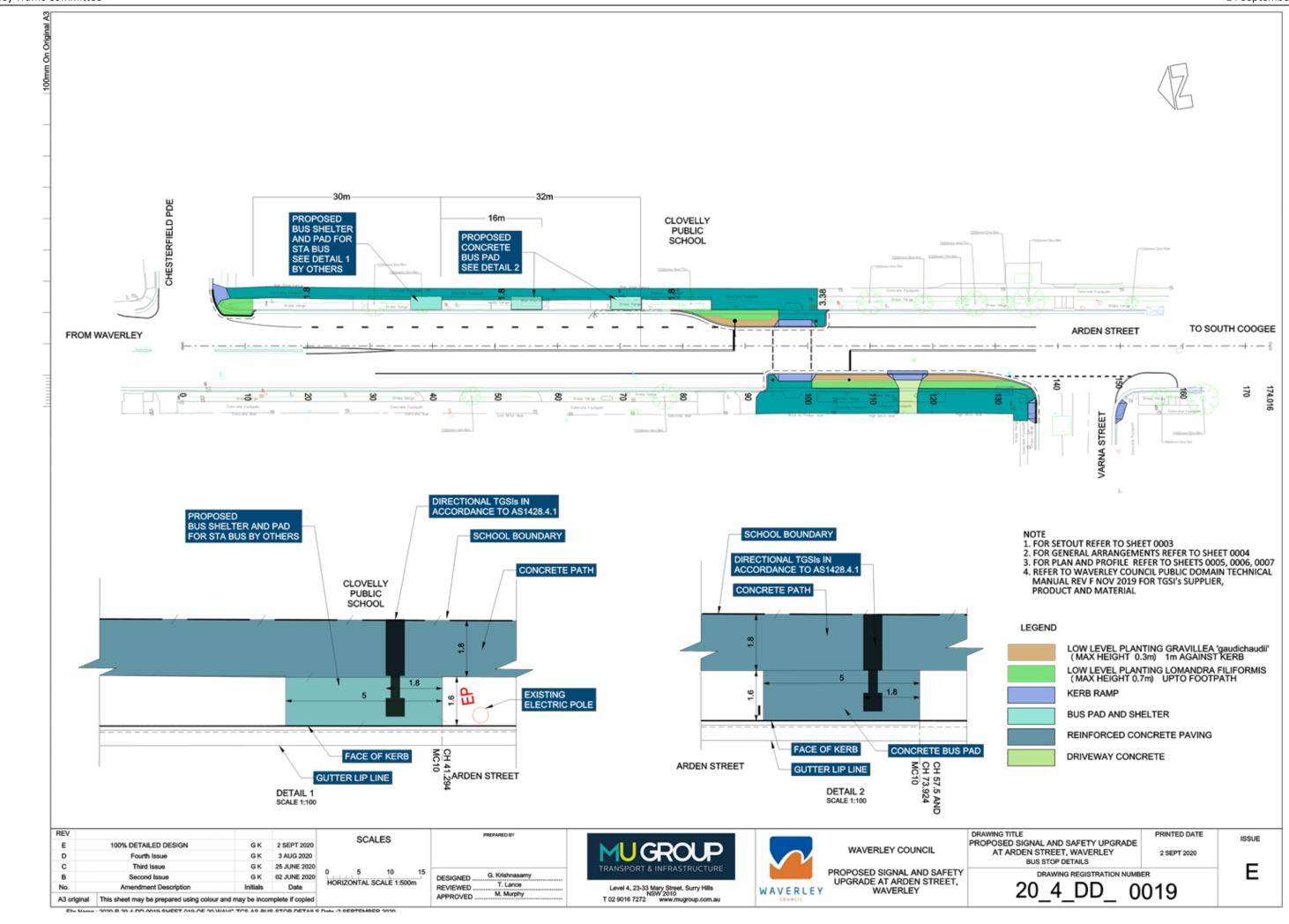


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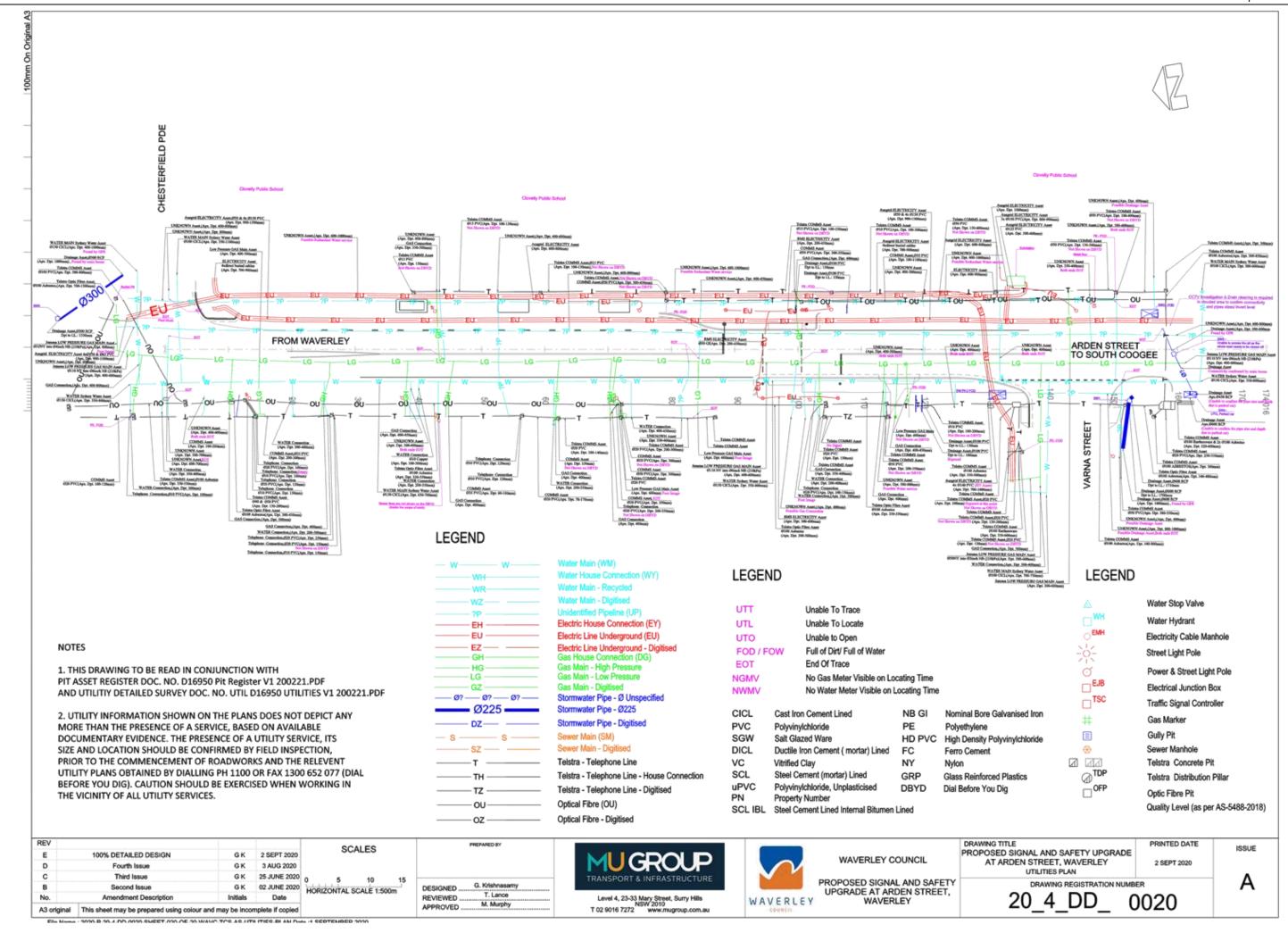


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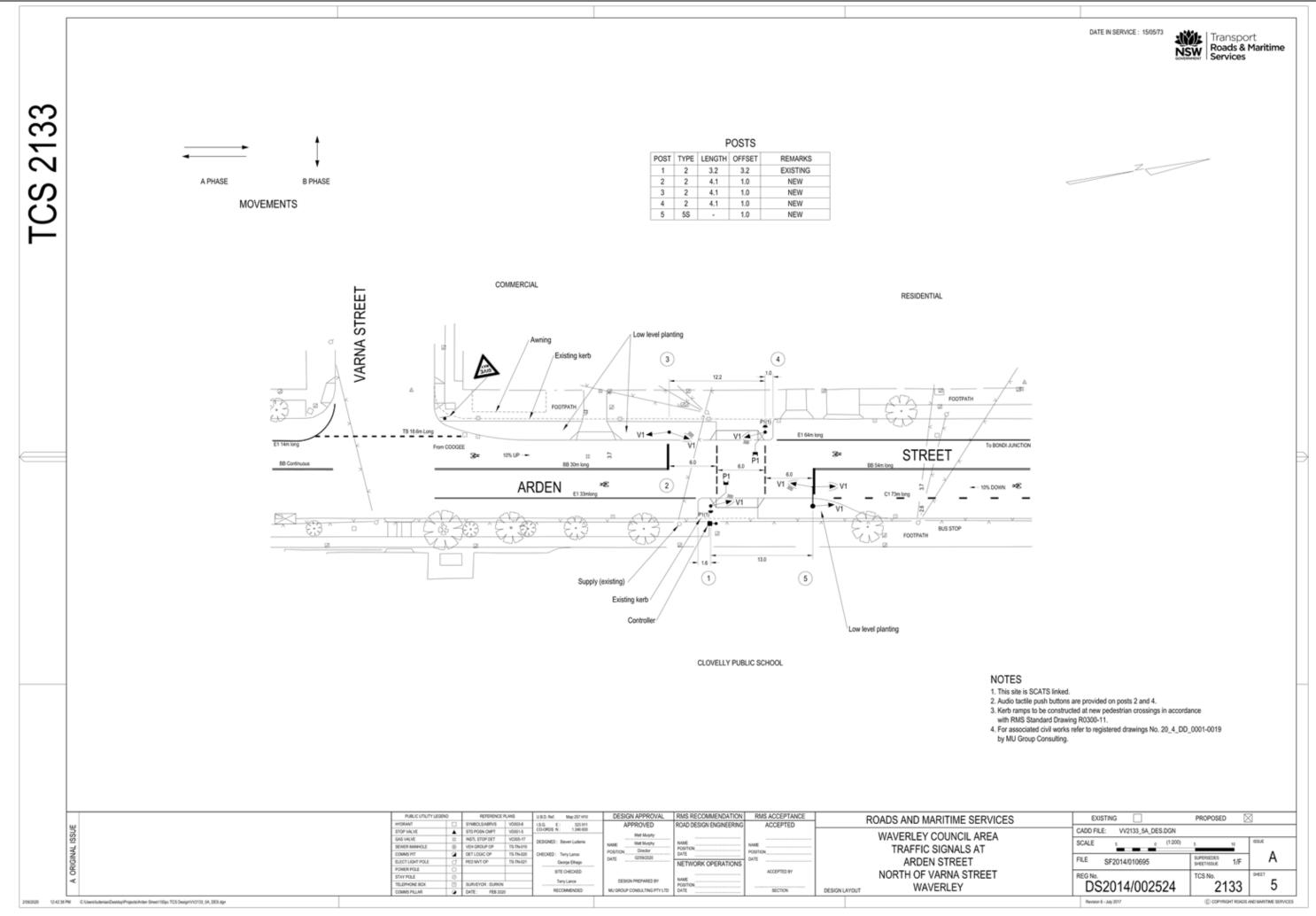
Waverley Traffic Committee 24 September 2020



Waverley Traffic Committee 24 September 2020



TC/C.03/20.09- Attachment 2



WAVERLEY

# **REPORT** TC/C.04/20.09

Subject: 1 Scott Street, Bronte - 'P Disability Only' Zone

**TRIM No:** A18/0719

**Author:** Hamoon Bahari, Professional Engineer, Traffic and Transport

Calum Hutcheson, Service Manager, Traffic and Transport

**Authoriser:** Dan Joannides, Executive Manager, Infrastructure Services

#### **COUNCIL OFFICER'S PROPOSAL:**

That Council installs a 5.4 m 'P Disability Only' zone outside 1 Scott Street, Bronte.

## 1. Executive Summary

Council has received a request from a resident for the installation of a 'P Disability Only' parking zone at 1 Scott Street, Bronte.

Council will need to exercise its delegated functions to implement the proposal.

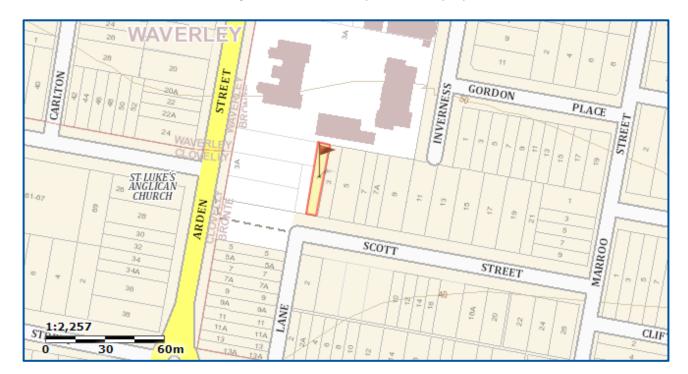


Figure 1. Site location.

#### 2. Introduction/Background

These following procedures are applied by Council when a new application is lodged at Waverley for an onstreet disabled parking space.

Council requirements include:

- A copy of a current vehicle registration certificate with the address matching the residence of the applicant.
- A copy of a current mobility parking permit from NSW Roads and Maritime Services.
- If the address is part of an apparent building, proof that the resident does not have access to an offstreet parking space via a letter from the strata manager.

On assessment, the following guidelines have been adopted by the Waverley Traffic Committee:

- 1. Applicant must have a vehicle registered to the address fronting the new disability parking space.
- 2. Applicant must have an approved RMS Mobility Parking Permit.
- 3. Applicant must not have access to off-street parking within their property.
- 4. Three site visits to be carried out annually to help assess the level of parking within 50 m either side of the property being or above 85% capacity on each separate occasion.
- 5. Letters to be sent to all disability parking space holders annually to determine if still required.



Figure 2. Location of proposed P Disability parking space.

# 3. Technical analysis

Compliance of the proposal with Council standard requirements is presented below.

Table 1. Compliance with Council requirements.

Address	1 Scott Street, Bronte
Mobility Parking Permit	Yes
Circumstances leading to requirement	Applicant has difficulty in walking to and from property and does not have access to off-street parking.
Off-street parking available	No
Length of zone	5.4 m
Level of parking within 50 m of proposed space	90–100% occupied during the day
Other on street disability spaces	0

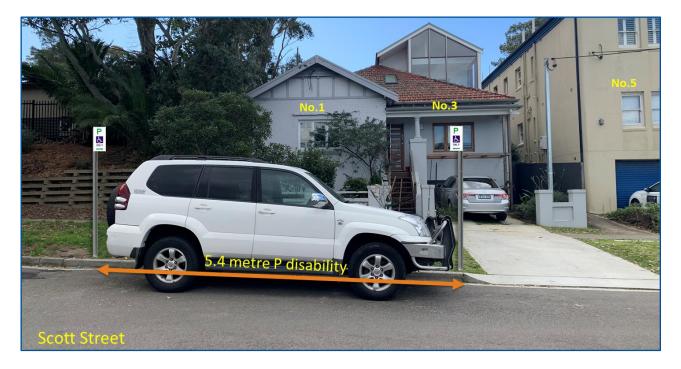


Figure 3. Street view.

The proposed length is based on Australian Standard AS2890.5-2020 – On-street parking. This is shown in Figure 4 below.

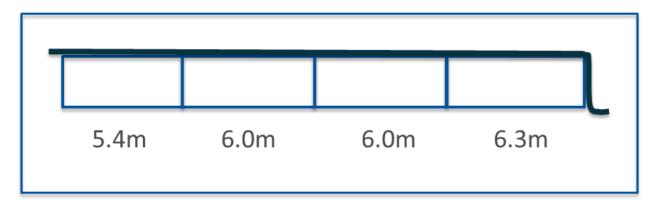


Figure 4. Dimensions for on-street disability parking spaces.

# Signage

The proposed signage is shown below.



Figure 5. Proposed signage.

# 4. Financial Information for Council's Consideration

Council will supply/install the signs and remove existing signs with funds from existing budgets.

## 5. Attachments

Nil.

WAVERLEY

# **REPORT** TC/C.05/20.09

Subject: 100 St James Road, Bondi Junction - 'P Disability Only'

Zone

**TRIM No:** A18/0719

**Author:** Hamoon Bahari, Professional Engineer, Traffic and Transport

Calum Hutcheson, Service Manager, Traffic and Transport

**Authoriser:** Dan Joannides, Executive Manager, Infrastructure Services



That Council installs a 5.4 'P Disability Only' Zone outside 100 St James Road, Bondi Junction, centred at the property frontage.

#### 1. Executive Summary

Council has received a request from a resident for the installation of a 'P Disability Only' parking zone at 100 St James Road, Bondi Junction. Council will need to exercise its delegated functions to implement the proposal.



Figure 1. Site location.

#### 2. Introduction/Background

These following procedures are applied by Council when a new application is lodged at Waverley for an onstreet disabled parking space.

Council requirements include:

- A copy of a current vehicle registration certificate with the address matching the residence of the applicant.
- A copy of a current mobility parking permit from NSW Roads and Maritime Services.
- If the address is part of an apparent building, proof that the resident does not have access to an offstreet parking space via a letter from the strata manager.

On assessment, the following guidelines have been adopted by the Waverley Traffic Committee:

- 1. Applicant must have a vehicle registered to the address fronting the new disability parking space.
- 2. Applicant must have an approved RMS Mobility Parking Permit.
- 3. Applicant must not have access to off-street parking within their property.
- 4. Three site visits to be carried out annually to help assess the level of parking within 50 m either side of the property being or above 85% capacity on each separate occasion.
- 5. Letters to be sent to all disability parking space holders annually to determine if still required.



Figure 2. Location of proposed P Disability parking space.

# 3. Technical analysis

Compliance of the proposal with Council standard requirements is presented below.

Table 1. Compliance with Council requirements.

Address	100 St James Road, Bondi Junction
Mobility Parking Permit	Yes
Circumstances leading to requirement	Applicant has difficulty in walking to
	and from property and does not have
	access to off-street parking.
Off-street parking available	No
Length of zone	5.4 m (centred at frontage)
Level of parking within 50 m of proposed space	90-100% during the day
Other on street disability spaces	0

A disability space is recommended at the property frontage for a length of 5.4 m centred.



Figure 3. Street view.

The proposed length is based on Australian Standard AS2890.5-2020 – On-street parking. This is shown in Figure 4 below.

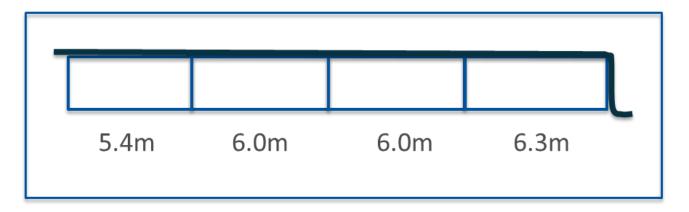


Figure 4. Dimensions for on-street disability parking spaces.

# Signage

The proposed signage is shown below.



Figure 5. Proposed signage.

# 4. Financial Information for Council's Consideration

Council will supply and install the signs and remove existing signs with funds from existing budgets.

# 5. Attachments

Nil.

WAVERLEY

# **REPORT** TC/C.06/20.09

Subject: 110-116 Bronte Road, Bondi Junction - Construction Zone

**TRIM No:** A03/2514-04

**Author:** Paul Cai, Traffic Engineer

Calum Hutcheson, Service Manager, Traffic and Transport

**Authoriser:** Dan Joannides, Executive Manager, Infrastructure Services



That Council:

1. Installs an 11.5 m 'No Parking 7 am–5 pm Mon–Fri, 8 am–3 pm Saturday Council Authorised Vehicles' construction zone along the frontage of 116 Bronte Road, Bondi Junction, on Porter Street.

2. Delegates authority to the Executive Manager, Infrastructure Services, to adjust the length and duration of, or remove, the construction zone, as necessary.

#### 1. Executive Summary

Council has received an application from the builder/developer at 110–116 Bronte Road, Bondi Junction, for the installation of a 9 m construction zone on Porter Street. Porter Street is on the south-eastern frontage of the site.

Council officers propose the installation of an 11.5 m zone, which includes a 2.5 m section of parking that would be lost due to the location of the construction zone. Council will need to exercise its delegated functions to implement the proposal.



Figure 1. Site location.

#### 2. Introduction/Background

In accordance with standard practice at Council, it is proposed that the construction zone is signposted 'No Parking Council Authorised Vehicles Excepted Excludes Public Holidays' for the approved construction hours under the development consent. Council will then supply the applicant with transferable permits to be used on the applicant's construction vehicles. The Traffic Committee and Council's requirements for permit approvals are a minimum length of 9 m along the site frontage with a minimum period of 13 weeks.

#### 3. Technical Analysis

The frontage of the site on Porter Street is 30.6 m, of which 22 m is metered parking and the remainder 'No Stopping.'

The applicant has requested a 9 m construction zone space, leaving 13 m for car parking.

The 13 m can accommodate two cars. However, only 10.5 m is required for these cars (one x 5 m end space and one x 5.5 m intermediate space). These leaves 2.5 m of parking that is alienated by the construction zone.

It is recommended that the construction zone is extended from 9 m to 11.5 m to include this. The 11.5 m is referred to as the effective construction zone for which fees are payable.

The existing and recommended parking allocation is shown below.

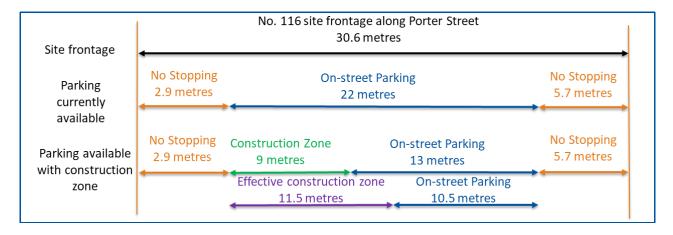


Figure 2. On-street parking allocation.

Table 1. Application details.

Applicant	Sitecorp Construction
Development application	DA-419/2015
Works	Demolition of existing buildings, and construction of a six-storey shop
	top housing.
Approved hours of construction	7 am–5 pm Monday–Friday; 8 am–3 pm Saturday
Frontage length	30 m
Road	Porter Street
Existing parking	½P Ticket 8 am–12 pm; 2P Ticket 12 pm–6 pm
Length requested by applicant	9 m
Length to be signposted	11.5 m
Effective constriction zone -	11.5 m
Total length available for	
construction	
Duration	13 weeks
Fee area	Mixed-use/commercial area with parking restrictions
Estimated fees	\$1,814.30 per week



Figure 3. Location to install construction zone signs.

# Signage

The proposed signage is shown below.





Figure 4. Proposed signage.

## 4. Financial Information for Council's Consideration

The applicant will be required to pay the approved application fee, which covers the cost of administration and signage.

The approved usage charges for the 2020–2021 financial year are:

- \$66.60 per m per week in a residential area.
- \$92.20 per m per week in a commercial and mixed-use area.
- \$377.00 per m (ticket) car parking space per week in addition to above fees (where applicable).

The cost to the applicant for the 11.5 m made available for construction vehicles will be \$1,814.30 per week (11.5 m x \$92.20 per m + 2 metered car parking spaces x \$377).

#### 5. Attachments

Nil.

WAVERLEY

# **REPORT** TC/V.01/20.09

Subject: 30 Anglesea Street, Bondi - No Stopping Line

**TRIM No:** A14/0145

**Author:** Hamoon Bahari, Professional Engineer, Traffic and Transport

Calum Hutcheson, Service Manager, Traffic and Transport

**Authoriser:** Dan Joannides, Executive Manager, Infrastructure Services

#### **COUNCIL OFFICER'S PROPOSAL:**

That Council installs a 1.5 m unbroken yellow (C3) No Stopping line between 30 Anglesea Street and 32 Anglesea Street, Bondi.

## 1. Executive Summary

Council has received representations from a resident regarding vehicles parking in a short length of kerbside space in between 30 Anglesea Street and 32 Anglesea Street, Bondi. It is proposed to install a 1.5 m painted yellow edge line (No Stopping line). Council will need to exercise its delegated functions to implement the proposal.



Figure 1. Aerial image of 30 and 32 Anglesea Street.

## 2. Introduction/Background

Anglesea Street is bound by Bondi Road to the south and Orr Street to the north, with unrestricted parking on both sides of the street. It is one-way northbound.

# 3. Technical Analysis

It has been reported that vehicles have been parked parking on the short section of kerb between 30 and 32 Anglesea Street.

This has caused problems for residents going in and out of the driveway to 30 and 32 Anglesea Street. Both 'No Stopping' signage and line-marking options have been considered for this location.

No Stopping line-marking is recommended for the short length at this location.



Figure 2. Location of proposed No Stopping line.

### 4. Financial Information for Council's Consideration

Council will meet the cost of line-marking from existing budgets.

## 5. Attachments:

Nil.

WAVERLEY

# **REPORT** TC/V.02/20.09

Subject: 21 Curlewis Street, Bondi Beach - Construction Zone

**TRIM No:** A03/2514-04

**Author:** Hamoon Bahari, Professional Engineer, Traffic and Transport

Calum Hutcheson, Service Manager, Traffic and Transport

**Authoriser:** Dan Joannides, Executive Manager, Infrastructure Services

#### **COUNCIL OFFICER'S PROPOSAL:**

#### That:

1. Council installs a 9 m 'No Parking 7 am–5 pm Mon–Fri, 8 am–3 pm Saturday Council Authorised Vehicles' construction zone at 21 Curlewis Street, Bondi Beach.

- 2. The construction zone be 7 m at the frontage of 21 Curlewis Street, 1 m in front of 19 Curlewis Street and 1 m in front of 23 Curlewis Street.
- 3. Council delegates authority to the Executive Manager, Infrastructure Services, to adjust the length and duration of, or remove, the construction zone, as necessary.

### 1. Executive Summary

Council has received an application from the builder/developer at 21 Curlewis Street, Bondi Beach, for the installation of an 8 m construction zone. It is recommended that a 9 m construction zone is installed, including the 7 m property frontage and 1 m of frontage either side of the property.

Council will need to exercise its delegated functions to implement the proposal.



Figure 1. Site location.

#### 2. Introduction/Background

The construction zone will be signposted 'No Parking Council Authorised Vehicles Excepted' for the approved construction hours under the development consent. Council will then supply the applicant with transferable permits to be used on the applicant's construction vehicles. The Traffic Committee and Council's requirements for permit approvals are a minimum length of 9 m along the site frontage, with a minimum period of 13 weeks.

#### 3. Technical Analysis

The applicant's site frontage at 21 Curlewis Street is 7 m. Because this length is shorter than the minimum length recommended for construction zones, the applicant has consulted their neighbours on either side, 19 and 23 Curlewis Street.

Both neighbours expressed their disagreement with the extension of 2 m across their frontage for their own property/business parking purposes.

Having taken the objections into consideration, it is still considered appropriate to install a 9 m construction zone. The proposed construction zone includes 1 m on each side of the subject property.

The 9 m construction zone will comprise 7 m front of property 21 Curlewis Street, 1 m in front of 19 Curlewis Street and 1 m in front of 23 Curlewis Street.

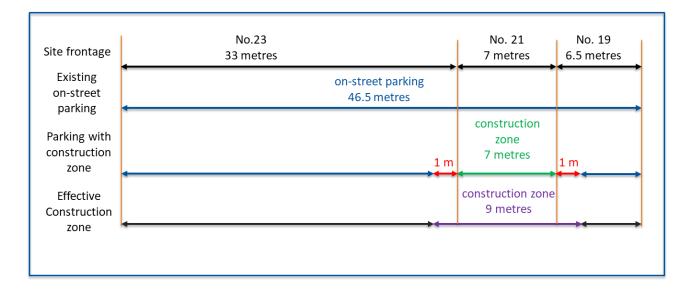


Figure 2. On-street parking allocation.

Table 1. Application details.

Applicant	Blank Super Pty Ltd
Development application	DA-320/2018/A
Works	Modification of internal layout and addition of extra floor space
Approved hours of construction	7 am–5 pm Monday–Friday; 8 am–3 pm Saturday
Frontage length	7 m
Road	Curlewis Street
Existing parking	Unrestricted parking
Length requested by applicant	8 m
Length to be signposted	9 m
Effective constriction zone -	9 m, comprising 7 m in front of 21 Curlewis Street, 1 m in front of 19
Total length available for	Curlewis Street and 1 m in front of 23 Curlewis Street
construction	
Duration	20 October 2020–20 April 2021
Fee area	Residential with unrestricted parking
Estimated fees	\$599.40 per week (9 m x \$66.60 per m)

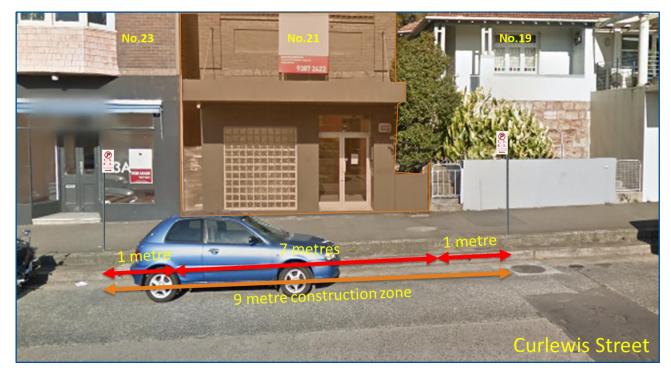


Figure 3. Location to install construction zone signs.

# Signage

The proposed signage is shown below.



Figure 4. Proposed signage.

#### 4. Financial Information for Council's Consideration

The applicant will be required to pay the approved application fee, which covers the cost of administration and signage.

The approved usage charges for the 2019–20 financial year are:

- \$66.60 per m per week in a residential development area.
- \$92.20 per m per week in a commercial and mixed-use development area.
- \$377.00 per metred (ticket) car parking space per week in addition to above fees (where applicable).

The cost to the applicant for the 9 m made available for construction vehicles will be \$599.40 per week (9 m x \$66.60 per m).

## 5. Attachments

Nil.

# **REPORT** TC/V.03/20.09

Subject: 98-102 Brighton Boulevard, North Bondi - Construction

Zone

**TRIM No:** A03/2514-04

**Author:** Paul Cai, Traffic Engineer

Calum Hutcheson, Service Manager, Traffic and Transport

**Authoriser:** Dan Joannides, Executive Manager, Infrastructure Services



#### **COUNCIL OFFICER'S PROPOSAL:**

#### That Council:

- 1. Installs a 16 m 'No Parking 7 am–5 pm Mon–Fri, 8 am–3 pm Saturday Council Authorised Vehicles' construction zone along the frontage of 98–102 Brighton Boulevard, North Bondi.
- 2. Delegates authority to the Executive Manager, Infrastructure Services, to adjust the length and duration of, or remove, the construction zone, as necessary.

#### 1. Executive Summary

Council has received an application from the builder/developer at 98–102 Brighton Boulevard, North Bondi, for the installation of a 16 m construction zone. Council will need to exercise its delegated functions to implement the proposal.



Figure 1. Site location.

#### 2. Introduction/Background

In accordance with standard practice at Council, it is proposed that the construction zone is signposted 'No Parking Council Authorised Vehicles Excepted Excludes Public Holidays' for the approved construction hours under the development consent. Council will then supply the applicant with transferable permits to be used on the applicant's construction vehicles. The Traffic Committee and Council's requirements for permit approvals are a minimum length of 9 m along the site frontage, with a minimum period of 13 weeks.

#### 3. Technical Analysis

The frontage length of the site on Porter Street is 17 m. The current on-street parking along the site frontage is 16.6 m between existing signposts. The applicant has requested a 16 m construction zone space. The signage will be installed using the existing signposts. Fees will be based on the 16.6 m between signs.

The existing and recommended parking allocation is shown below.

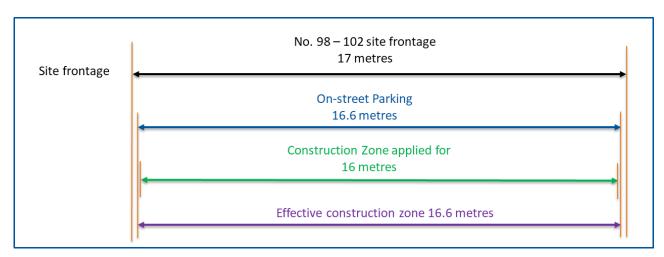


Figure 2. On-street parking allocation.

Table 1. Application details.

Applicant	All About Building and Stuff Pty Ltd
Development application	DA-159/2015
Works	Demolition of existing buildings, and construction of a new four
	storey shop top housing development
Approved hours of construction	7 am–5 pm Monday–Friday; 8 am–3 pm Saturday
Frontage length	17 m
Road	Brighton Boulevard
Existing parking	2P, 8 am–10 pm, permit holders excepted
Length requested by applicant	16 m
Length to be signposted	16.6 m
Effective constriction zone -	16.6 m
Total length available for	
construction	
Duration	6 months
Fee area	Mixed-use/commercial area with parking restrictions
Estimated fees	\$1,530.52 per week



Figure 3. Location to install construction zone signs.

## Signage

The proposed signage is shown below.



Figure 4. Proposed signage.

#### 4. Financial Information for Council's Consideration

The applicant will be required to pay the approved application fee, which covers the cost of administration and signage.

The approved usage charges for the 2020–2021 financial year are:

- \$66.60 per m per week in a residential area.
- \$92.20 per m per week in a commercial and mixed-use area.
- \$377.00 per md (ticket) car parking space per week in addition to above fees (where applicable).

The cost to the applicant for the 16.6 m made available for construction vehicles will be \$1,530.52 per week (16.6 m x \$92.20 per m).

# 5. Attachments

Nil.