

Item 4.2 - Traffic - 23/11/18

N O R T H S Y D N E Y C O U N C I L



To the General Manager

Attach:

1. Proposed Scheme (includes Layout Plans, Swept Path Analysis)
-

SUBJECT: (4.2) Bannerman Street and Murdoch Street, Roundabout Amendments

AUTHOR: Report of Sustainable Transport Projects Coordinator, Lindsay Menday

DESCRIPTION/SUBJECT MATTER:

At its meeting of 27 August 2018, Council resolved with respect to the roundabout intersection between Bannerman Street and Murdoch Street:

***THAT** Council acknowledges the concerns of the community and resolves to reduce the size of the roundabout and reinstate planting in the centre of the roundabout in the form of a flowering tree.*

***THAT** a report be submitted to the Traffic Committee outlining a proposed design that meets the above requirements.*

Attached to this report is a proposed design for the roundabout in accordance with the resolution. The amendments proposed comprise a reduction to the roundabout centre, the addition of a tree, and paving to the roundabout centre to improve visual amenity.

The proposed changes to the roundabout circle will increase the ease of vehicle manoeuvrability through the intersection.

Council further resolved with respect to a pedestrian crossing to the immediate west of the intersection:

***THAT** the existing pedestrian crossing over Bannerman Street at the intersection with Murdoch Street be relocated or reconstructed as a raised crossing subject to further community consultation and Traffic Committee approval.*

Investigations into alternative locations identified that relocating the crossing will require the removal of car parking spaces and likely reduce the usage of the crossing as it will increase the distance that people need to walk. As such, it is recommended that the crossing be retained in the current location as raised to encourage slower vehicle speeds and increase pedestrian visibility.

It is recommended that Traffic Committee endorse the proposed changes to the roundabout circle, and the raising of the existing pedestrian crossing, for construction.

RECOMMENDATION:

- 1. THAT** the amendments to the roundabout intersection between Bannerman Street and Murdoch Street as shown on the attached plans – Drawing 2633.BM - be constructed.
- 2. THAT** subject to the outcomes of community consultation, the existing pedestrian crossing over Bannerman Street to the west of the intersection with Murdoch Street, be reconstructed as a raised pedestrian crossing – Drawing 2633.BM.

DETAIL

Standard or Guideline Used: Austroads.

Signs & Lines Priority: 2

Precinct and Ward: Hayes, Victoria.

Impact on Bicycles: Negligible

Impact on Pedestrians: Reducing the roundabout circle has the potential to increase vehicle speeds at pedestrian crossing points. Raising the existing pedestrian crossing will likely improve pedestrian safety by reducing vehicle speeds over the crossing and increasing pedestrian visibility.

Impact on Parking: nil (an alternative pedestrian crossing location shown on the plans would require the removal of four (4) parking spaces).

At its meeting of 27 August 2018, Council resolved with respect to the roundabout intersection between Bannerman Street and Murdoch Street:

THAT Council acknowledges the concerns of the community and resolves to reduce the size of the roundabout and reinstate planting in the centre of the roundabout in the form of a flowering tree.

THAT a report be submitted to the Traffic Committee outlining a proposed design that meets the above requirements.

Attached to this report is a proposed design for the roundabout in accordance with the resolution. The amendments proposed to the roundabout comprise:

- A reduction in the size of the central circle from 10m to 8m diameter. The proposed diameter corresponds with the size of the circle that existed prior to the recent works.
- A central landscaping area to accommodate a new tree. The species proposed (“crepe myrtle”) is in accordance with Council’s tree planting strategy and is appropriate in terms of road safety requirements.
- A new paved internal circle to further improve visual amenity.

The proposed changes to the roundabout circle will increase the ease of vehicle manoeuvrability through the intersection.

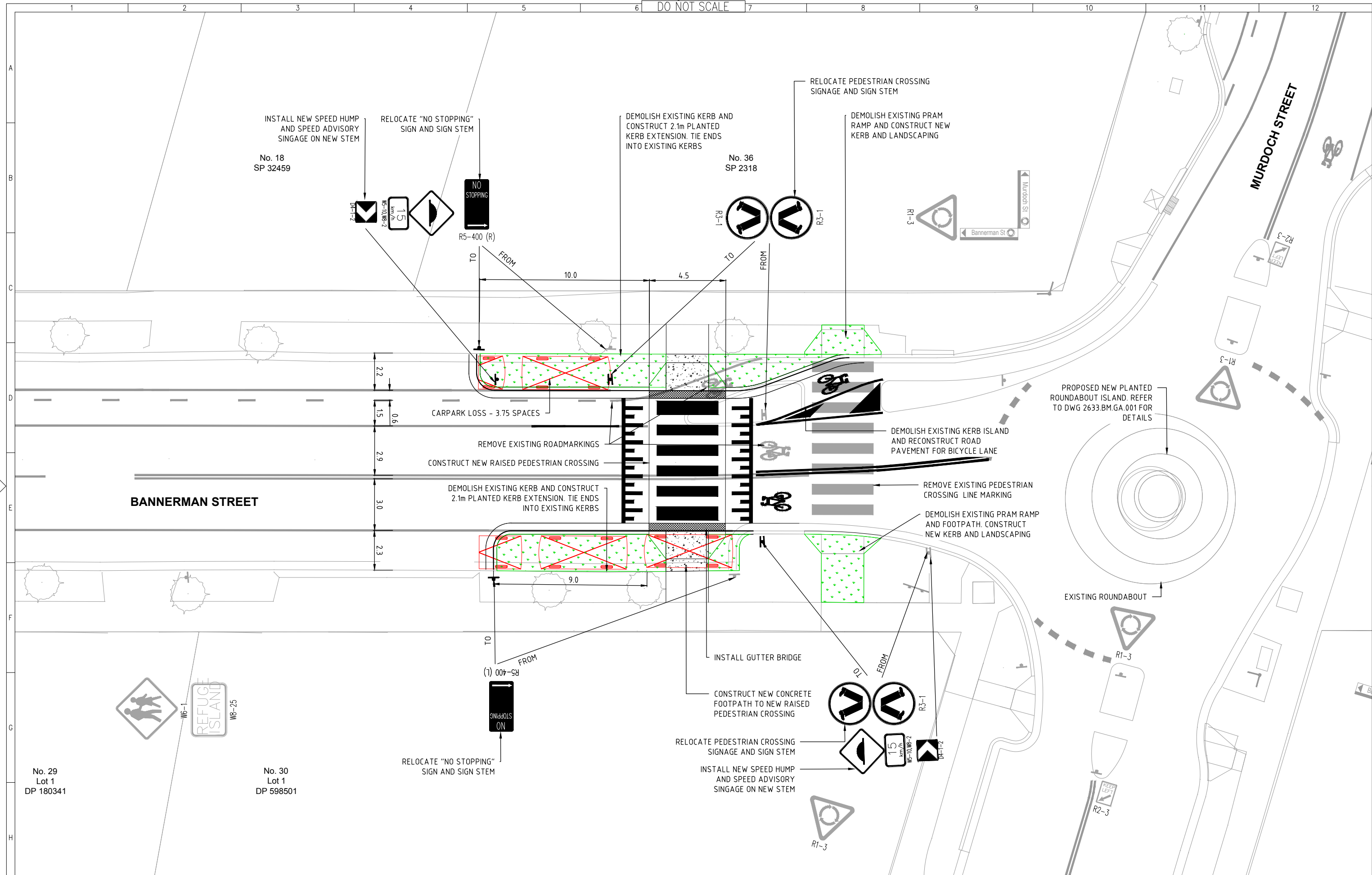
Council further resolved with respect to a pedestrian crossing to the immediate west of the intersection:

THAT the existing pedestrian crossing over Bannerman Street at the intersection with Murdoch Street be relocated or reconstructed as a raised crossing subject to further community consultation and Traffic Committee approval.

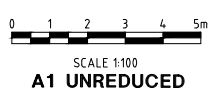
The plans attached to this report propose a raised pedestrian crossing in the location of the existing, road level, crossing. Raising the crossing is likely to result in lower vehicle speeds over the crossing and improved pedestrian visibility. This report recommends that further community consultation occur on the proposal to raise the crossing, with the results of consultation to be reported to Council prior to construction.

The plans also show a potential alternative location for a pedestrian crossing (Drawing 2633.BM.PC.001). The alternative location would require the removal of four (4) car parking spaces and increase the walking distance for those walking along Murdoch Street by about 60 metres, likely reducing the effectiveness of the pedestrian crossing. It is probable that if the crossing was relocated to this location that some pedestrians will cross at the intersection where there is no formal provision for people walking, instead of detouring to cross at a pedestrian crossing. In this context, it is recommended to retain the existing crossing location.

It is recommended that Traffic Committee endorse the proposed amendments to the roundabout intersection between Murdoch Street and Bannerman Street for construction.



No.	Revision - Revise on CAD do not amend by hand	Checked	Approved	Date	M/Film
B	FINAL ISSUE FOR COMMENT		N.P.	N.P.	01/11/18
A	PRELIMINARY ISSUE FOR COMMENT		N.P.	N.P.	24/10/18



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STATUS: PRELIMINARY ISSUE FOR COMMENT

SCALE 1:100 @ A1

Drawn	R.C.	Designed	N.P.
Drafting Check	N.P.	Design Check	I.G.
Approved			

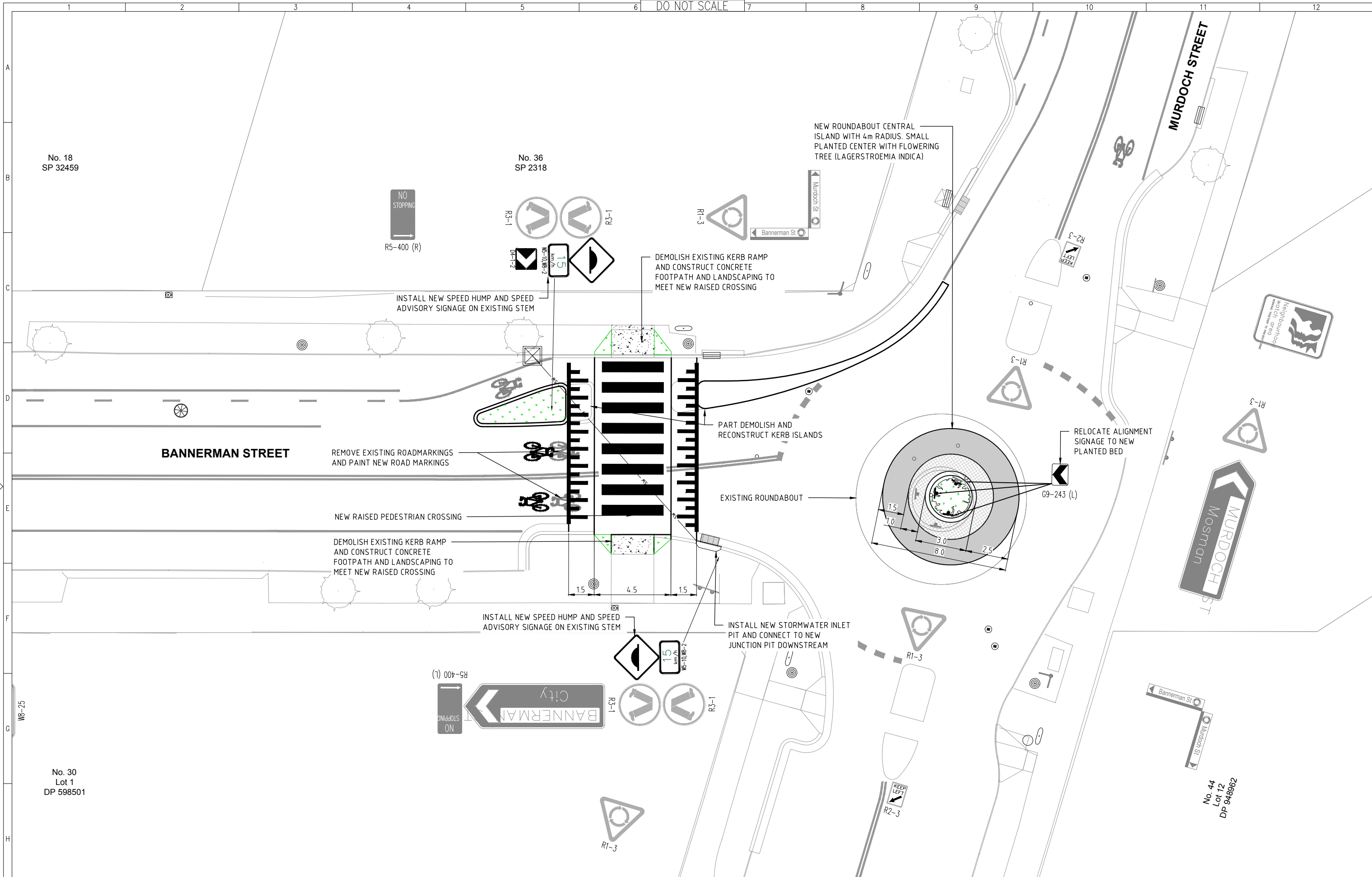
Client and Job
 NORTH SYDNEY COUNCIL
 ROUTE 3 CYCLEWAY & STREETSCAPE IMPROVEMENT PLAN
 BANNERMAN STREET & MURDOCH STREET, NEUTRAL BAY

Title
**CONCEPT DESIGN PLAN - BANNERMAN ST & MURDOCH ST
 ALTERNATIVE CROSSING LOCATION**

Drg. No. 2633.BM.PC.001
 Size A1
 Rev B

This Drawing must not be used for Construction unless signed as Approved

DO NOT SCALE



No.	Revision - Revise on CAD do not amend by hand	Checked	Approved	Date	M/F/m
A	PRELIMINARY ISSUE FOR COMMENT			24/09/18	
B	PRELIMINARY ISSUE FOR COMMENT			02/10/18	
C	FINAL ISSUE FOR COMMENT			03/10/18	
D	FINAL ISSUE FOR COMMENT			01/11/18	

0 1 2 3 4 5m
 SCALE 1:100
A1 UNREDUCED



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 ROUTE 3 CYCLEWAY & STREETScape IMPROVEMENT PLAN
 BANNERMAN STREET & MURDOCH STREET, NEUTRAL BAY

Drg. No. 2633.BM.

Size A1
 Rev D

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