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## ATTACHMENTS DISTRIBUTED UNDER SEPARATE COVER

### CCL 25/08/20 – YOUNG ROAD, LAMBTON – INTERSECTION REALIGNMENT AND PEDESTRIAN REFUGE AT DURHAM ROAD AND INTERSECTION REALIGNMENT AT WALLARAH ROAD

<b>PAGE 3</b>	<b>ITEM-54</b>	<b>Attachment A:</b>	Plan - Young Road, Lambton from Orlando Road to Durham Road
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<b>PAGE 14</b>	<b>ITEM-54</b>	<b>Attachment C:</b>	Summary of Submissions – Young Road, Lambton

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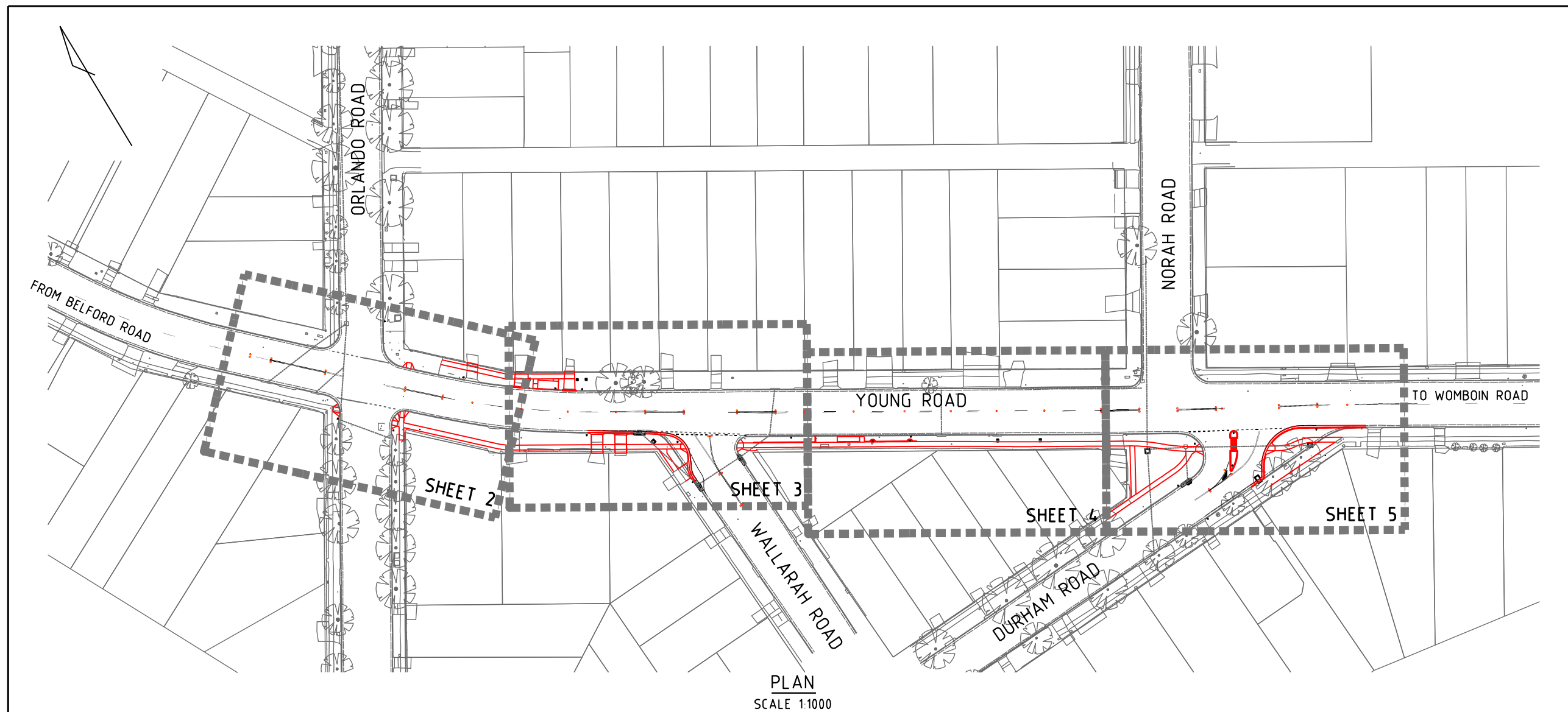
## ATTACHMENTS DISTRIBUTED UNDER SEPARATE COVER

### CCL 25/08/20 – YOUNG ROAD, LAMBTON – INTERSECTION REALIGNMENT AND PEDESTRIAN REFUGE AT DURHAM ROAD AND INTERSECTION REALIGNMENT AT WALLARAH ROAD

**ITEM-54**      **Attachment A:**      Plan – Young Road, Lambton from Orlando  
Road to Durham Road

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PLAN  
SCALE 1:1000

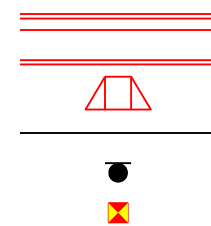
REFLECTOR SCHEDULE	
RMS REF.	NUMBER
YY	53

SIGN SCHEDULE	
RMS REF.	NUMBER
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R5-400L	4
R5-20R	2
R5-20L	2
R2-3L (A)	2
J POST	2

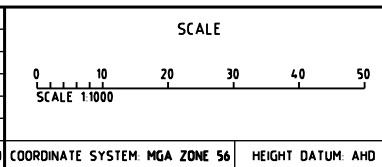
LINEMARKING SCHEDULE	
RMS REF.	LENGTH (m)
BB	67.5
E5	27
L1	122
TB	18.4
TB1	21
CHEVRON MARKING	1m'

**LEGEND**

- PROPOSED KERB AND GUTTER
- PROPOSED KERB ONLY
- PROPOSED KERB RAMP - PLAIN CONCRETE
- PROPOSED LINEMARKING
- PROPOSED SIGNPOST
- PROPOSED RAISED PAVEMENT MARKER



No.	AMENDMENT DETAILS	DATE	INITIALS
2	SP AND LM PLAN ISSUED FOR NCTC APPROVAL	02-07-20	SM
1	SP AND LM PLAN ISSUED FOR NCTC APPROVAL	03-12-19	SM



DESIGNED:	S MAY
REVIEWED:	J CARDONA

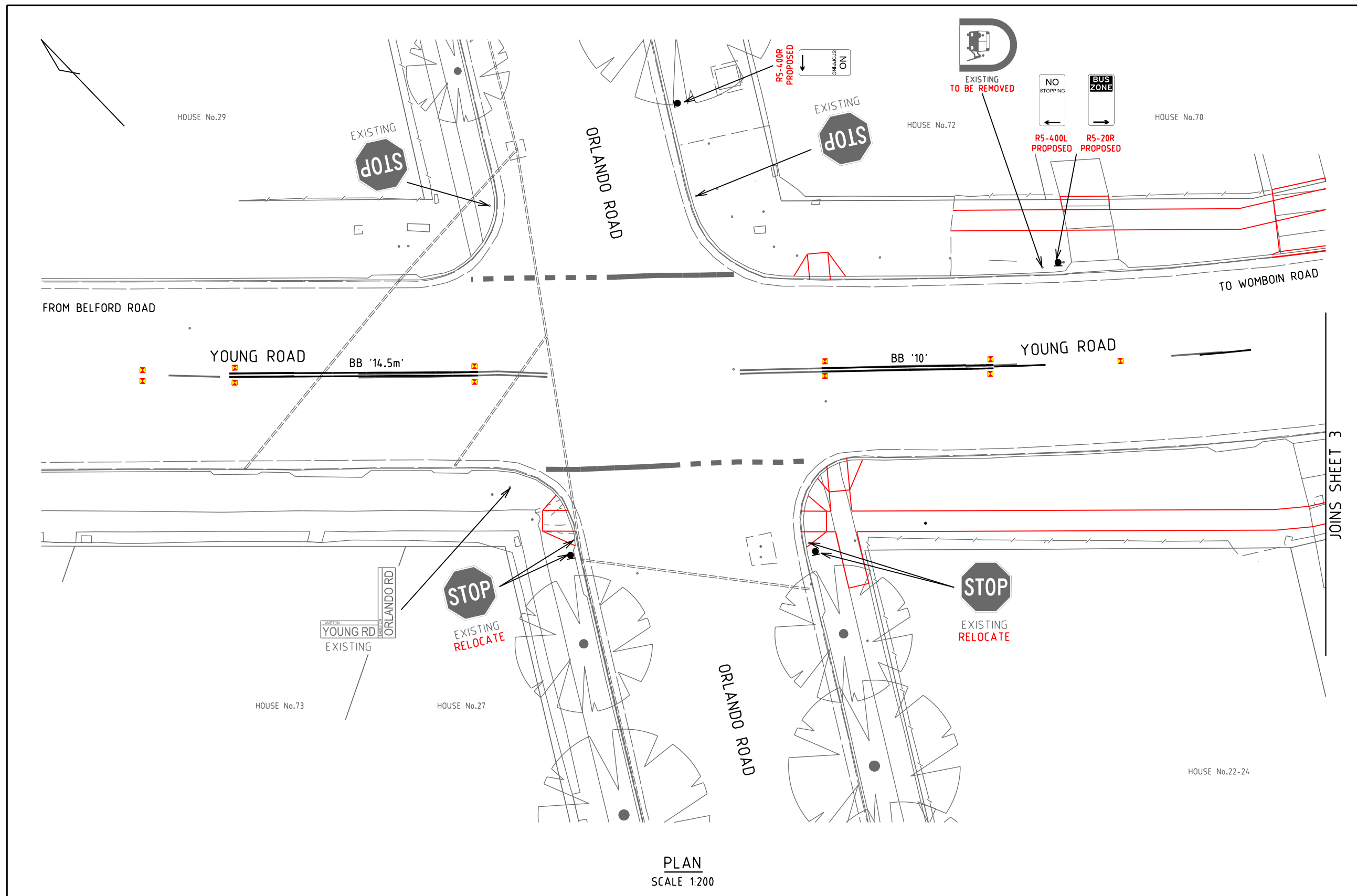
MICROSTATION FILE:	R7832_23_S&L.dgn
12d PROJECT FILE:	C4178_DESIGN.project
CIVIL PROJECT No.:	2018-19/008/21471
DESIGNED:	S MAY
REVIEWED:	J CARDONA

SUR	M.G.
F.B.	538
L.B.	-

CITY OF NEWCASTLE	CN PLAN No.	SHEET No.
YOUNG ROAD LAMBTON FROM ORLANDO ROAD TO DURHAM ROAD PEDESTRIAN REFUGE, INTERSECTIONS AND FOOTPATH CONSTRUCTION	R7832	1 OF 5
	AMENDMENT No. 2	SHEETS

A3 ORIGINAL THIS SHEET WAS PREPARED IN COLOUR AND WILL BE INCOMPLETE IF COPIED

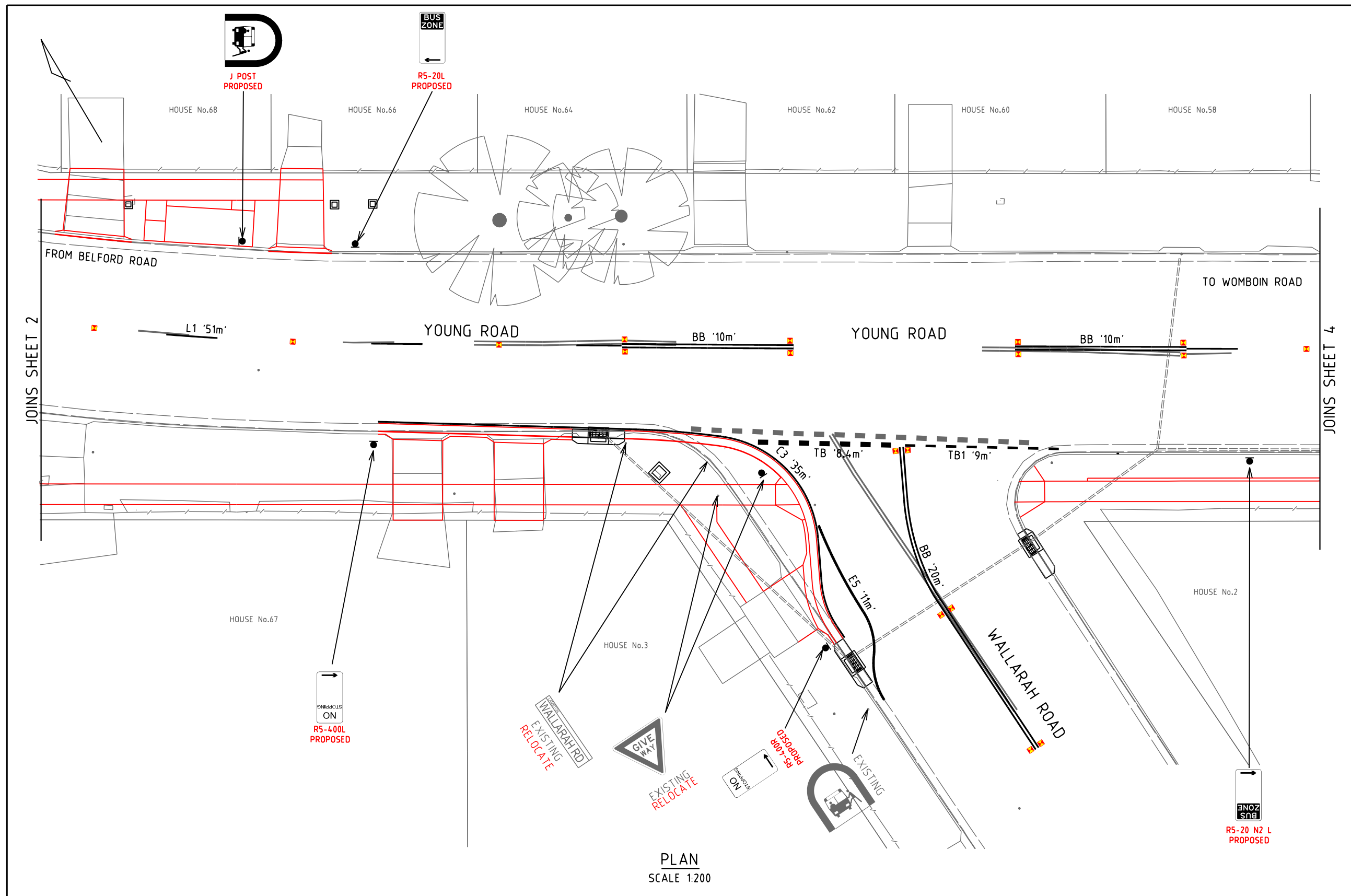
SIGNPOSTING AND LINEMARKING  
PLAN - SHEET 1 OF 5



PLAN  
SCALE 1:200

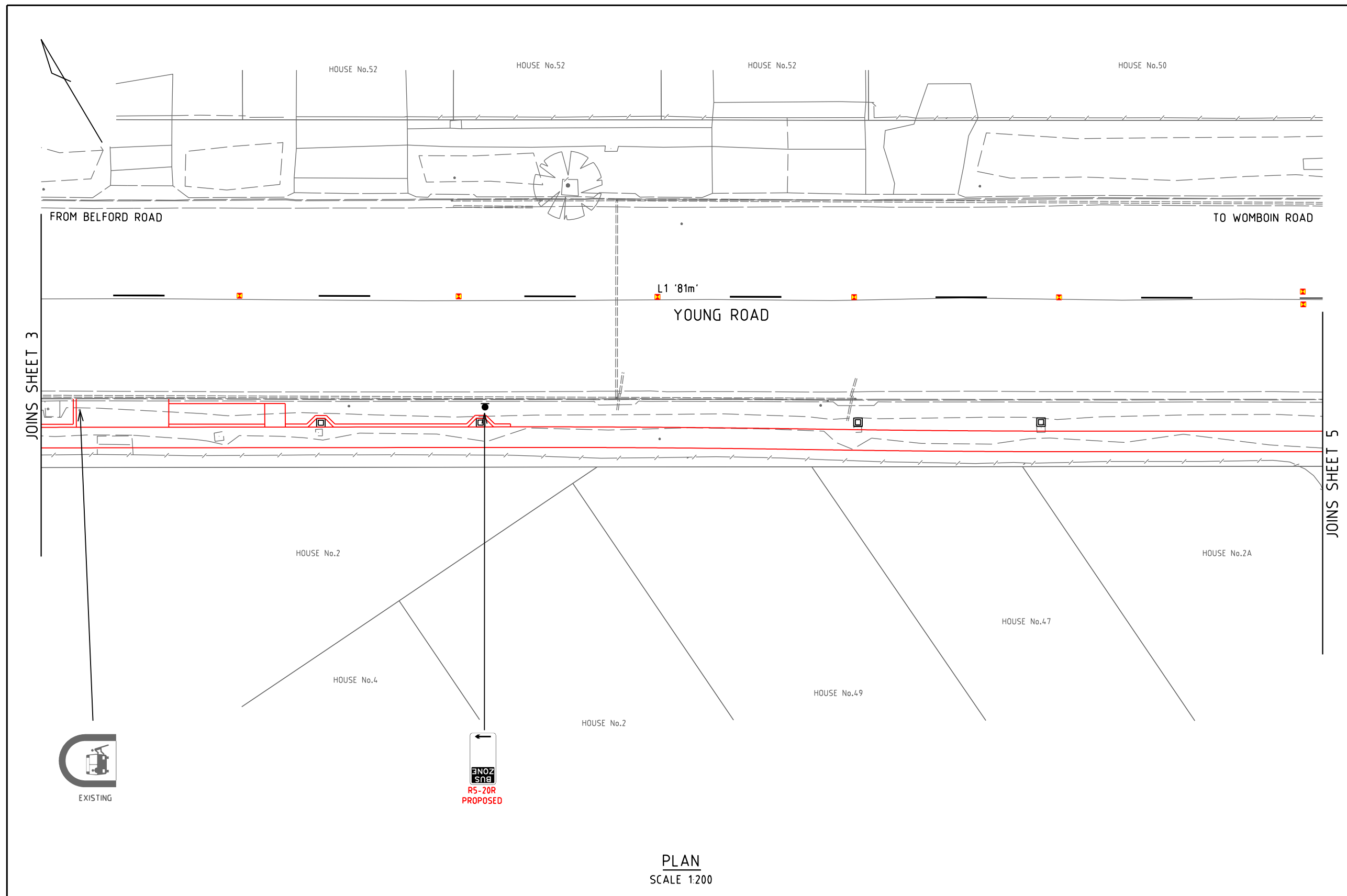
JOINS SHEET 3

<table border="1"> <tr> <th>No.</th> <th>AMENDMENT DETAILS</th> <th>DATE</th> <th>INITIALS</th> </tr> <tr> <td>2</td> <td>SP AND LM PLAN ISSUED FOR NCTC APPROVAL</td> <td>02-07-20</td> <td>SM</td> </tr> <tr> <td>1</td> <td>SP AND LM PLAN ISSUED FOR NCTC APPROVAL</td> <td>03-12-19</td> <td>SM</td> </tr> </table>			No.	AMENDMENT DETAILS	DATE	INITIALS	2	SP AND LM PLAN ISSUED FOR NCTC APPROVAL	02-07-20	SM	1	SP AND LM PLAN ISSUED FOR NCTC APPROVAL	03-12-19	SM	<p>SCALE</p> <p>0 2 4 6 8 10 SCALE 1:200</p>	<p>INFRASTRUCTURE AND PROPERTY ASSETS AND PROJECTS CIVIL SERVICES TEAM</p> <p>DESIGNED: S MAY REVIEWED: J CARDONA</p>	<p>MICROSTATION FILE: R7832_24_S&amp;L.dgn 12d PROJECT FILE: C4178_DESIGN.project CIVIL PROJECT No.: 2018-19/008/214.71</p>	<p>SUR: M.G. F.B.: 538 L.B.: -</p>	<p><b>CITY OF NEWCASTLE</b></p> <p>YOUNG ROAD LAMBTON FROM ORLANDO ROAD TO DURHAM ROAD PEDESTRIAN REFUGE, INTERSECTIONS AND FOOTPATH CONSTRUCTION</p>	<p>CN PLAN No. <b>R7832</b> AMENDMENT No. 2</p>	<p>SHEET No. 2 OF 5 SHEETS</p>
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PLAN  
SCALE 1:200

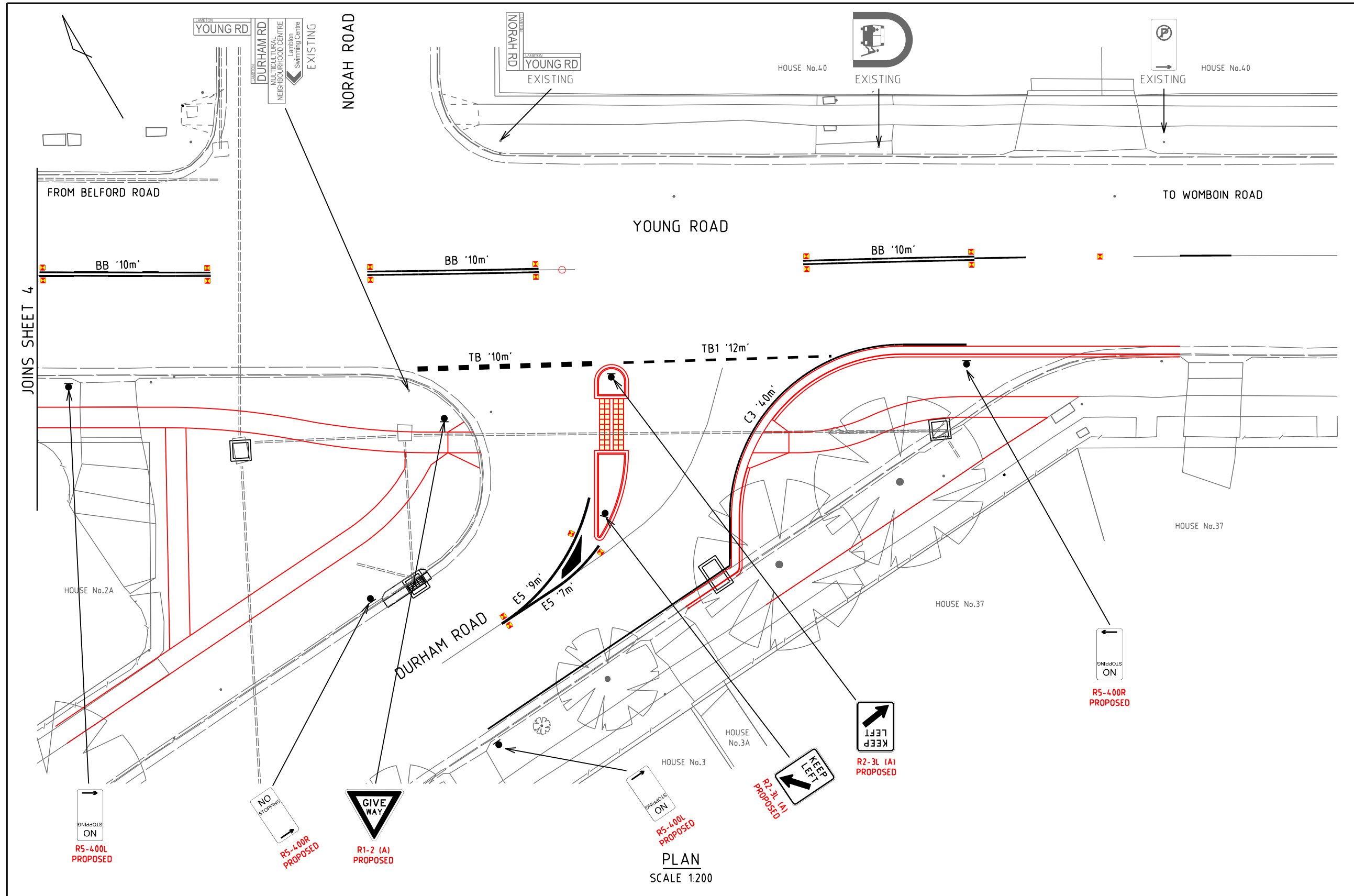
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PLAN  
SCALE 1:200

			<p>SCALE</p> <p>0 2 4 6 8 10 SCALE 1:200</p>		<p>INFRASTRUCTURE AND PROPERTY ASSETS AND PROJECTS CIVIL SERVICES TEAM</p>		<p>MICROSTATION FILE: R7832_26_S&amp;L.dgn</p> <p>12d PROJECT FILE: C4178_DESIGN.project</p> <p>CIVIL PROJECT No.: 2018-19/008/214.71</p>		<p>SUR M.G.</p> <p>F.B. 538</p> <p>L.B. -</p>		<p>CITY OF NEWCASTLE</p> <p>YOUNG ROAD LAMBTON FROM ORLANDO ROAD TO DURHAM ROAD PEDESTRIAN REFUGE, INTERSECTIONS AND FOOTPATH CONSTRUCTION</p>		<p>CN PLAN No.</p> <p><b>R7832</b></p> <p>AMENDMENT No. 2</p>		<p>SHEET No.</p> <p>4 OF 5 SHEETS</p>									
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PLAN  
SCALE 1:200

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**CCL 25/08/20 – YOUNG ROAD, LAMBTON – INTERSECTION  
REALIGNMENT AND PEDESTRIAN REFUGE AT DURHAM ROAD  
AND INTERSECTION REALIGNMENT AT WALLARAH ROAD**

**ITEM-54**      **Attachment B:**      Consultation Brochure – Young Road, Lambton

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## Background

### Pedestrian and vehicle activity

Young Road has high volumes of pedestrians and traffic at certain times because of events at the nearby McDonald Jones Stadium. Lambton High School and several regional parks and sports grounds in the area also add to the pedestrian and vehicle activity.

Pedestrians have a long crossing distance at Durham Road and the intersection layout encourages speeding of westbound traffic on Young Road entering Durham Road.

The proposal aims to slow traffic, reduce crossing distances for pedestrians and provide universal access.

### Changes to bus stops

Two existing bus stops on Young Road are to be relocated. The bus stop located on the northern side at Orlando Road is to be relocated further east.

The bus stop located on the southern side near Wallarah Road is to be relocated further west.

### Parking impacts

As a result of relocating bus stops and parking restrictions associated with the construction of a pedestrian refuge, there will be a reduction in the overall available on-street parking of approximately seven spaces along Young Road between Orlando Road and Wallarah Road.

Parking spaces will increase by approximately three spaces between Wallarah Road and Durham Road.

Parking will remain unrestricted along Young Road and in adjoining streets including Wallarah Road, Durham Road and Orlando Road.

## Traffic and pedestrian project

## Traffic and pedestrian project



### How we use feedback

We are seeking community feedback to make an informed decision on this project.

**To have your say visit the Public Exhibition section of our website [newcastle.nsw.gov.au](http://newcastle.nsw.gov.au) and complete the online form.**

**Alternatively, you can email a written submission to [mail@ncc.nsw.gov.au](mailto:mail@ncc.nsw.gov.au)**

#### Postal submissions can be sent to:

Chief Executive Officer  
City of Newcastle  
Attention: Transport and Compliance  
PO Box 489  
Newcastle NSW 2300

Subject: Submission – Young Road, Lambton – Pedestrian Refuges and Intersection Realignment

The public exhibition period closes midnight Monday 13 April 2020.

For more information call 4974 2000  
[newcastle.nsw.gov.au](http://newcastle.nsw.gov.au)

## Proposed pedestrian refuges and intersection alignment changes

# Young Road, Lambton



City of Newcastle is seeking feedback on a proposal to construct two new pedestrian refuges and change intersection alignments on Young Road from Orlando Road to Durham Road in Lambton to improve safety.

### What is proposed

We are seeking feedback on a proposal to improve pedestrian safety and traffic management in Lambton. The proposal includes changes at the intersections of Young Road and Orlando Road, Young Road and Wallarah Road and Young Road and Durham Road as well as construction of a footpath on the southern side of Young Road between Durham Road and Orlando Road.

The changes are designed to improve safety and access in the area which has high volumes of pedestrians and vehicle activity because of the nearby McDonald Jones Stadium, Lambton High School and regional playing fields and parks.

### Young Road and Orlando Street

- Construct pedestrian refuge on Young Road east of Orlando Road
- Construct kerb ramps from the footpath to the roadway adjacent to the pedestrian refuge
- Relocate the bus stop on the northern side of Young Road further east
- Realign the kerb on the southern side of Young Road
- Construct a footpath on the southern side of Young Road

### Young Road and Wallarah Road

- Relocate the bus stop on the southern side of Young Road further west
- Construct a footpath on southern side of Young Road
- Change the kerb alignment at the intersection of Wallarah Road and Young Road

### Young Road and Durham Road

- Construct a pedestrian refuge on Durham Road at the Young Road intersection
- Construct kerb ramps from the footpath to the roadway adjacent to the pedestrian refuge
- Realign the intersection.

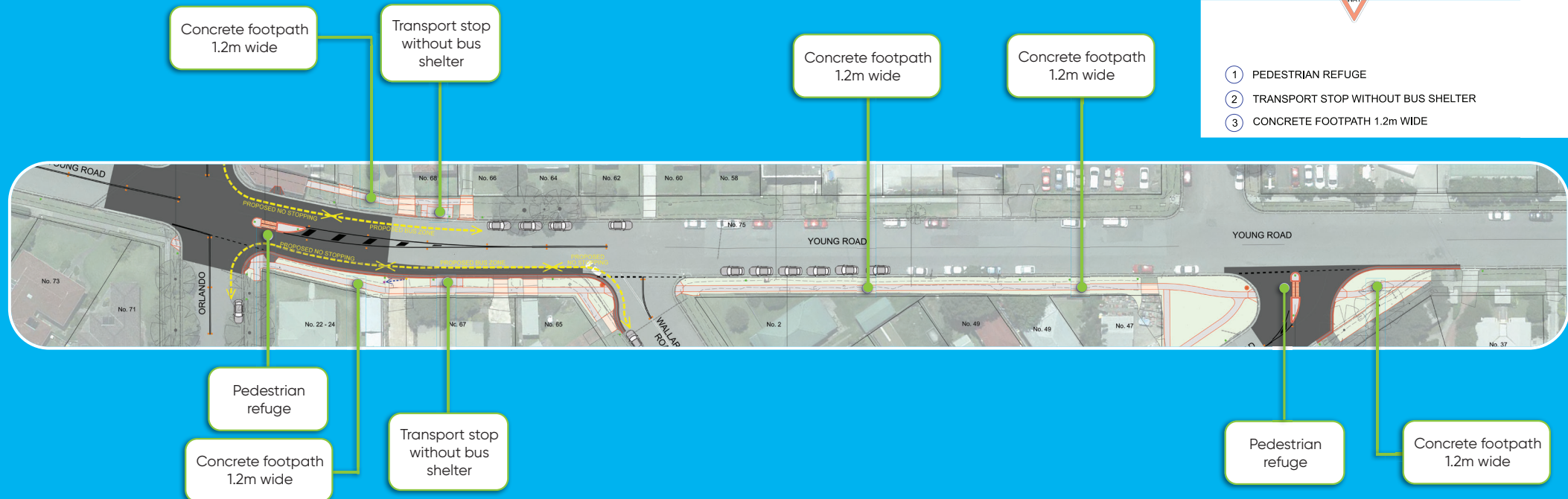
## Young Road

**LEGEND**

- CONCRETE FOOTPATH 1.2m WIDE
- ROAD SURFACE RESEALING
- PROPOSED KERB AND GUTTER
- DRIVEWAY CROSSING
- POWER POLE (EXISTING)
- GIVE WAY SIGN

- ① PEDESTRIAN REFUGE
- ② TRANSPORT STOP WITHOUT BUS SHELTER
- ③ CONCRETE FOOTPATH 1.2m WIDE



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REALIGNMENT AND PEDESTRIAN REFUGE AT DURHAM ROAD  
AND INTERSECTION REALIGNMENT AT WALLARAH ROAD**

**ITEM-54**      **Attachment C:**      Summary of Submission – Young Road,  
Lambton

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## SUMMARY OF SUBMISSIONS – YOUNG ROAD, LAMBTON – PROPOSED INTERSECTION REALIGNMENTS

No.	P&R	Street Address	Proposal Supported	Summary of Submission	CN Response
1	TR2020/00860	Young Rd	No	<p>Respondent opposes changes. Respondent states that:</p> <ul style="list-style-type: none"> <li>• The proposed refuge would not impact on speed of vehicles travelling towards the intersection with Orlando Rd and would give pedestrians a false sense of security.</li> <li>• Proposed change to the bus stop on the southern side is unnecessary and existing location is safer, as traffic moves quickly from Wallarah Rd into Young Rd west.</li> <li>• Many accidents occur at the intersection with Orlando Rd and moving the bus stop will reduce visibility for cars crossing Young Rd.</li> <li>• If the bus stop on the northern side must be moved, it would be better positioned opposite the existing bus stop on the southern side, to minimise impacts on parking.</li> <li>• Proposed changes will not achieve stated objectives.</li> </ul>	<p>Proposed refuge has been removed from the workscope. The bus stop at No. 2 Wallarah Road is to be retained in its existing location (instead of relocation west, as proposed in the concept plan) and compliance issues investigated. Young Rd centreline linemarking has been redefined to provide as much carriageway width near bus stops as possible and to provide better geometry. Intersection realignment at Wallarah Rd will decrease speeds of turning vehicles.</p>
2	TR2020/00867			<p>Submission made on behalf of a relative, who is a resident of Young Rd. Bus stop at driveway will take out parking, make access to property difficult and increase noise. Respondent considers intersection of Young Rd and Orlando is dangerous. Respondent considers the bus stop in front of No. 72 should be removed and will not be missed. Respondent suggests installation of a four way STOP sign at the intersection of Young Rd and Orlando Rd.</p>	<p>Parking is available in front of house No. 66 east, a short distance away. The proposed location for the bus stop on the northern side (as per the exhibited concept plan) provides a significant improvement in vehicle sight lines. Four-way STOP signs are not currently supported by NCTC.</p>



**SUMMARY OF SUBMISSIONS – YOUNG ROAD, LAMBTON – PROPOSED INTERSECTION REALIGNMENTS**

No.	P&R	Street Address	Proposal Supported	Summary of Submission	CN Response
3	TR2020/00872	Young Rd		<p>The respondent states that:</p> <ul style="list-style-type: none"> <li>• The proposed refuges would not impact on the speed of vehicles travelling toward the intersection with Orlando Rd but give pedestrians a false sense of security.</li> <li>• The change to the southern bus stop is unnecessary and moving it will reduce visibility for vehicles crossing Young Rd.</li> <li>• Change to bus stop on the northern side reduces car spaces and impacts accessibility, prevent a wheel chair accessible taxi from parking in front of the property. If it has to be moved, it would be better-positioned opposite the existing bus stop on the south side.</li> <li>• Bus stop relocations would negatively impact visibility for drivers.</li> <li>• Removing all parking on the southern side between Wallarah Rd and Orlando Rd is unreasonable.</li> <li>• Project will not achieve its stated purpose.</li> <li>• A Transport and Compliance representative should carry out observations under normal circumstances.</li> </ul>	<p>Proposed refuge has been removed from the workscope. The bus stop at No. 2 Wallarah Road is to be retained in its existing location (instead of relocation west, as proposed in the concept plan) and compliance issues investigated. Young Rd centreline linemarking has been redefined to provide as much carriageway width near bus stops as possible and to provide better geometry. Intersection realignment at Wallarah Rd will decrease speeds of turning vehicles.</p>
4	TR2020/00913	Walarah Rd	Yes	<p>Respondent supports proposal however considers it incomplete. Proposal needs to address everyday road safety in Lambton. Respondent queries how the proposed works will reduce speeds in Young Rd. Respondent considers that proposal will improve safety at Wallarah Rd and Durham Rd. Respondent queries impact of works on localised flooding, extent of road rehabilitation works to be done and geotech investigations to be undertaken. Respondent requests that the refuge be moved further east. Respondent requests clarification of new road substrate and pavement. Respondent requests that installation of traffic calming devices be added to the scope - a set west of Orlando Rd and a set on Wallarah Rd between Durham and Womboin Rds. Respondent requests an update on the proposal, for residents in the neighbourhood.</p>	<p>Issues raised relating to drainage are being investigated progressively. Changes to drainage, as required, are part of the project scope. Refuge has been removed from the scope. The bus stop at No. 2 Wallarah Road is to be retained in its existing location (instead of relocation west, as proposed in the concept plan). Young Rd centreline linemarking has been redefined to provide as much carriageway width near bus stops as possible and to provide better geometry.</p>

**SUMMARY OF SUBMISSIONS – YOUNG ROAD, LAMBTON – PROPOSED INTERSECTION REALIGNMENTS**

No.	P&R	Street Address	Proposal Supported	Summary of Submission	CN Response
5	TR2020/00926	Wallarrah	No	Respondent does not support the project. Respondent queried where garbage bins are to be left if they are not allowed in a bus zone. Respondent considers that a pedestrian refuge at Orlando Rd would be very dangerous as turning traffic does not stop. Respondent has witnessed many accidents. The bus stop at the corner of Young Rd and Wallarah Rd does not interfere with any homes and has clear visibility. Proposed relocations would impede visibility. Respondent supports construction of the footpath.	Design has been modified to improve sight lines. Refuge on Young Rd has been removed from the scope.
	TR2020/00936	Young Rd	No	Respondent considers that the proposed changes at Orlando Rd will make the intersection more dangerous. Respondent considers primary issue is speed of vehicles approaching the intersection and failure of drivers to observe the stop sign. Humps or signals are preferred. Drivers turn from Wallarah Rd to Young Rd too quickly. Loss of seven parking spaces has a greater negative impact than the current location of bus stops. Northern bus stop could be moved opposite the existing bus stop on the southern side with little loss of parking. Removal of parking will increase walking distances for elderly residents and visitors. The proposed refuge would create difficulties for buses turning into Orlando Rd and be dangerous.	Multiple submissions have been made by this respondent. Proposed refuge has been removed from the workscope. The bus stop at No. 2 Wallarah Road is to be retained in its existing location (instead of relocation west, as proposed in the concept plan) and compliance issues investigated. Young Rd centreline linemarking has been redefined to provide as much carriageway width near bus stops as possible and to provide better geometry. Intersection realignment at Wallarah Rd will decrease speeds of turning vehicles.
6			Yes, with changes	Respondent supports proposal, but suggests relocation of footpath adjacent 2A Durham Rd to be 3m from boundary and landscaping of verge to deter parking. Resident is concerned that the proximity of the footpath will cause safety issues when reversing.	Noted. Alignment of footpath to be addressed in detailed design.
7		Young Rd	No	Respondent supports footpath but considers road humps would be more effective than refuges in slowing traffic. Respondent considers loss of parking is unreasonable and that the bus stops do not need to be moved.	Noted. Intersection realignments will moderate driver speeds.

**SUMMARY OF SUBMISSIONS – YOUNG ROAD, LAMBTON – PROPOSED INTERSECTION REALIGNMENTS**

<b>No.</b>	<b>P&amp;R</b>	<b>Street Address</b>	<b>Proposal Supported</b>	<b>Summary of Submission</b>	<b>CN Response</b>
8			No	Respondent supports footpath but does not support refuges or relocation of bus stops.	Objection noted. Submission 5 made from same address.
9	TR2020/00941	Young Rd		Respondent considers current positioning of bus stops has little impact on residents and that relocation will not improve safety but impact negatively on visibility. Respondent is concerned about loss of parking.	Proposal has been modified and the southern bus stop is to be retained in its current location.
10	TR2020/00947	Young Rd		Respondent notes witness of accidents and near misses and considers speeding is a contributing factor. Proposed measures are not supported. Respondent notes that buses already have trouble turning left from Orlando Rd to Young Rd (eastbound). Respondent notes poor lighting. Respondent queries whether swept path analysis has been done, whether a road safety audit has been undertaken and if the design conforms to Austroads standards. Respondent states that proposal will cause garbage trucks to breach NSW Road Rules. Respondent considers that the major issue is speeding and that a refuge will not address this. Respondent queries what traffic calming measures will be done. Respondents supports construction of footpaths but requests assurance that overland flow into surrounding properties will not be increased. Respondent requests removal of the bus stop on Young Rd east of Orlando Rd, implementation of a four-way STOP sign at the intersection with Orlando Rd and speed bumps on Young Rd.	Proposed refuge has been removed from the workscope. The bus stop at No. 2 Wallarah Road is to be retained in its existing location (instead of relocation west, as proposed in the concept plan) and compliance issues investigated. Young Rd centreline linemarking has been redefined to provide as much carriageway width near bus stops as possible and to provide better geometry. Intersection realignment at Wallarah Rd will decrease speeds of turning vehicles. Lighting is to be upgraded as part of the project.
11	TR2020/00964	Walarah Rd		Respondent requests installation of a 'speed bump' and 40km/h markings on Wallarah Rd between Young Rd and Durham Rd.	Implementation of 40km/h markings requires physical devices to modify speeds so that behaviour is self-enforcing. Request is out of project scope but warrants further investigation. Intersection realignment at Wallarah Rd will modify speeds.