

5.5. Spofforth Street, Cremorne – Proposed Intersection Upgrades at Holt Avenue and Florence Street

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ENDORSED BY: Duncan Mitchell, Director Engineering and Property Services

ATTACHMENTS:

1. Holt Ave- Holt Ave at Spofforth St - Pedestrian refuge - Concept Plan [5.5.1 - 1 page]
2. Holt Ave- Holt Ave at Spofforth St - Pedestrian refuge - 8.8m MRV - Swept Paths - Left Turn [5.5.2 - 1 page]
3. Holt Ave- Holt Ave at Spofforth St - Pedestrian refuge - 8.8m MRV - Swept Paths - Right Turn [5.5.3 - 1 page]
4. Holt Ave at Spofforth St - Pedestrian refuge - B85 Swept Path - Driveway [5.5.4 - 1 page]
5. Holt Ave at Spofforth St - Original Concept Plan [5.5.5 - 1 page]
6. Florence St at Spofforth St - Pedestrian refuge - Detailed Plan [5.5.6 - 1 page]

PURPOSE:

Investigate the viability of a pedestrian refuge on the North Sydney Council/western side of Holt Avenue at the intersection of Spofforth Street with costings and the suitability of the refuge.

EXECUTIVE SUMMARY:

The results of community consultation regarding the proposed intersection upgrades along Spofforth Street was considered at the Traffic Committee meeting on 11 June 2021 where the following recommendation was adopted:

- 1. THAT** this matter be deferred until a report be brought back to the Traffic Committee as soon as possible on the viability of a pedestrian refuge on the North Sydney Council/western side of Holt Avenue at the intersection of Spofforth Street with costings and the suitability of the refuge .
- 2. THAT** Council request our State Member, Felicity Wilson liaise with the Chairperson of the Mosman Traffic Committee and resolve this long term for the benefit of the community.
- 3. THAT** that Council acknowledge Ms Clarke for attending the meeting with this issue.

Accordingly, an investigation into the viability of a pedestrian refuge on the western side of Holt Avenue at the intersection of Spofforth Street has been undertaken.

It is proposed that a pedestrian refuge island be installed on Holt Avenue at and nearest the intersection of Spofforth Street with kerb extensions be installed on the southern side of Holt Avenue to further reduce the crossing distance and minimise parking loss.

The pedestrian refuge proposal will result in a loss of minimum 2 parking spaces on the northern side of Holt Avenue to meet the mandatory sight distance requirement in accordance with TfNSW technical direction.

The cost for the implementation of the pedestrian refuge with kerb extensions is estimated to be \$90,000.

Alternatively, the original kerb buildouts option at the intersection of Holt Avenue and Spofforth Street that was placed on community consultation incorporating a concrete median on the centre of road provides some level of sheltering for pedestrians while reducing the crossing distance to minimum.

The safety of the intersection could be further enhanced with the optional raised threshold similar to the existing treatment on the eastern side of Holt Avenue at the intersection of Spofforth Street. The proposal will not result in any parking loss.

The cost estimate for the original kerb buildouts option is approximately \$93,000.

As discussed in the report of 11 June Traffic Committee, the proposal for Spofforth Street and Florence Street is wholly within the North Sydney Council area. While issues at this intersection were not as prevalent in community representations as Holt Avenue and Rangers Road, there is nonetheless strong community support for the proposal and it is recommended that Council proceed with the works. The concept plan achieves a net gain of one parking space with the bus stop retained.

The cost estimate for this proposal is approximately \$80,000.

FINANCIAL IMPLICATIONS:

The cost estimate for the implementation of the pedestrian refuge with kerb extensions on the western side of Holt Avenue at the intersection of Spofforth Street is approximately \$90,000.

The cost estimate for the original kerb buildouts option without pedestrian refuge is approximately \$93,000.

North Sydney Council has submitted both options to the 2022-23 Federal Blackspot program for funding.

The cost estimate for the proposed pedestrian refuge and kerb-buildouts in Florence Street at Spofforth Street is approximately \$80,000.

If funding from the 2022-23 Federal Blackspot program is unsuccessful, it is expected that the above proposals be sourced from North Sydney Council LATM Traffic Facilities Budget.

RECOMMENDATION:

1. THAT Council proceed with community consultation on the proposed pedestrian refuge and kerb buildouts on the western side of Holt Avenue at the intersection of Spofforth Street.

2. THAT Council approve the proposed pedestrian refuge and kerb-buildouts in Florence Street at Spofforth Street as per the attached plan with the following amendments, and detailed design and timing of construction dependent on cost estimate, availability of funding from the LATM Traffic Facilities budget and project priorities within the LATM Actions:

- i) the existing Bus Stop 209052 to be retained (net gain of one parking space only)
- ii) a Stop sign to be incorporated on Florence Street at Spofforth Street.

LINK TO COMMUNITY STRATEGIC PLAN

The relationship with the Community Strategic Plan is as follows:

- 2. Our Built Infrastructure
- 2.1 Infrastructure and assets meet community needs
- 2.4 Improved traffic and parking management

BACKGROUND

The results of community consultation regarding the proposed intersection upgrades along Spofforth Street was considered at the [Traffic Committee meeting on 11 June 2021](#) where the following recommendation was recommended and subsequently adopted at the Council meeting on 28 June 2021:

- 1. THAT** *this matter be deferred until a report be brought back to the Traffic Committee as soon as possible on the viability of a pedestrian refuge on the North Sydney Council/western side of Holt Avenue at the intersection of Spofforth Street with costings and the suitability of the refuge .*
- 2. THAT** *Council request our State Member, Felicity Wilson liaise with the Chairperson of the Mosman Traffic Committee and resolve this long term for the benefit of the community.*
- 3. THAT** *that Council acknowledge Ms Clarke for attending the meeting with this issue.*

Accordingly, an investigation into the viability of a pedestrian refuge on the western side of Holt Avenue at the intersection of Spofforth Street has been undertaken.

CONSULTATION REQUIREMENTS

Community engagement will be undertaken in accordance with Council's Community Engagement Protocol.

Relates to ECM No: 7643177

Standard or Guideline Used: AS1742.10; RMS Supplement to Australian Standards 1742.10.

Signs & Lines Priority: N/A

Precinct and Ward: Harrison, Victoria

Impact on Bicycles: The proposed refuge island and kerb extensions have been designed to cater for potential cycleways in future.

Impact on Pedestrians: provision of pedestrian refuge will assist pedestrians in crossing Holt Avenue in two stages. Kerb extensions will also reduce the crossing distance and improve sight distance.

Impact on Parking: The option of pedestrian refuge may result in a loss of 2 parking spaces. The option of kerb extensions will result in no loss of parking.

DETAIL

Holt Avenue at Spofforth Street

Holt Avenue has a width of approximately 12.65m from kerb to kerb on the western side of Spofforth Street. According to TfNSW technical direction TDT 2011/01a, a pedestrian refuge shall have a minimum width of 2m with a crossing width of 3m and travel lane width of 3.7m in either direction. The refuge island must be 6m in length unless it's at and nearest an intersection which may be reduced to 2m.

Applying the above requirements, the existing carriageway width of Holt Avenue is considered adequate to accommodate a pedestrian refuge island.

It is considered most appropriate to install a pedestrian refuge island on Holt Avenue at and nearest the intersection of Spofforth Street to link with the existing pedestrian desire line with kerb extensions be installed on the southern side of Holt Avenue to further reduce the crossing distance and minimise parking loss.

Kerb extensions will also be installed on the western side of Spofforth Street at the intersection of Holt Avenue to improve driver sight distance.

The pedestrian refuge proposal will result in a loss of minimum 2 parking spaces on the northern side of Holt Avenue to meet the mandatory sight distance requirement in accordance with TfNSW technical direction.

The cost estimate for the implementation of the pedestrian refuge with kerb extensions is approximately \$90,000.

A review of the past 5 years of available TfNSW crash data (2015-2019) revealed 7 crashes at the intersection of Spofforth Street and Holt Avenue including 5 crashes resulting in injuries. 5 of the crashes were "cross traffic" type involving vehicles entering the intersection from adjacent approaches and 2 were classified as "other adjacent" type crashes. It is to be noted that, the pedestrian refuge proposal has been submitted to the 2022-23 Federal Blackspot program for funding.

A concept plan for the pedestrian refuge proposal is attached in this report.

Alternatively, the original kerb buildouts option at the intersection of Holt Avenue and Spofforth Street that was placed on community consultation incorporating a concrete median on the centre of road provides some level of sheltering for pedestrians while reducing the crossing distance to minimum.

The safety of the intersection could be further enhanced with the optional raised threshold similar to the existing treatment on the eastern side of Holt Avenue at the intersection of

Spofforth Street. The proposal will not result in any parking loss. However pedestrians may be less protected from vehicles turning into Holt Avenue that tend to cut the corner, compared to the pedestrian refuge option.

The cost estimate for the original kerb buildouts option (limited to the western side of Spofforth Street) is approximately \$93,000.

Mosman Traffic Committee at its meeting on 6 July 2021, resolved to adopt the following recommendation:

***THAT** this item be deferred to the next available Traffic Committee meeting to provide an opportunity for the Committee Members to discuss this matter with Council's Engineers and other subject matter experts due to concerns about crashes and near misses and the risks to pedestrian and vehicle safety.*

Subsequently, North Sydney Council wrote to Mosman Council on 16 July 2021 requesting that North Sydney Council being informed of their investigations and resolution with regard to this matter.

Latest response from Senior Traffic Engineer of Mosman Municipal Council advised that

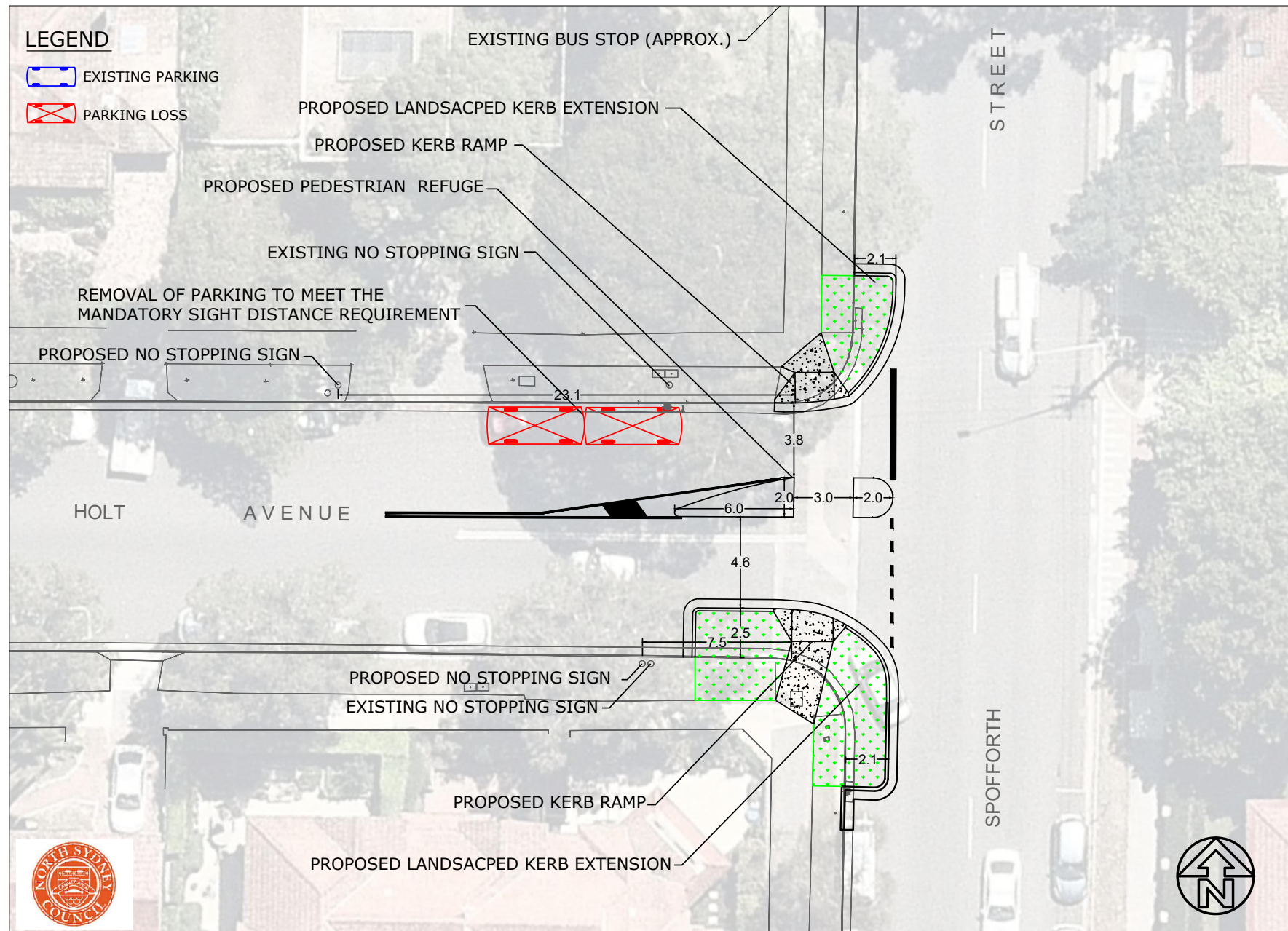
“Following a request from the Traffic Committee. it has been decided to list this matter for consideration at the next available LTC meeting. It is expected that the next meeting will be held in November 2021. The same report will be submitted to the LTC meeting in November. I will keep you updated on the progress.”

Florence Street at Spofforth Street

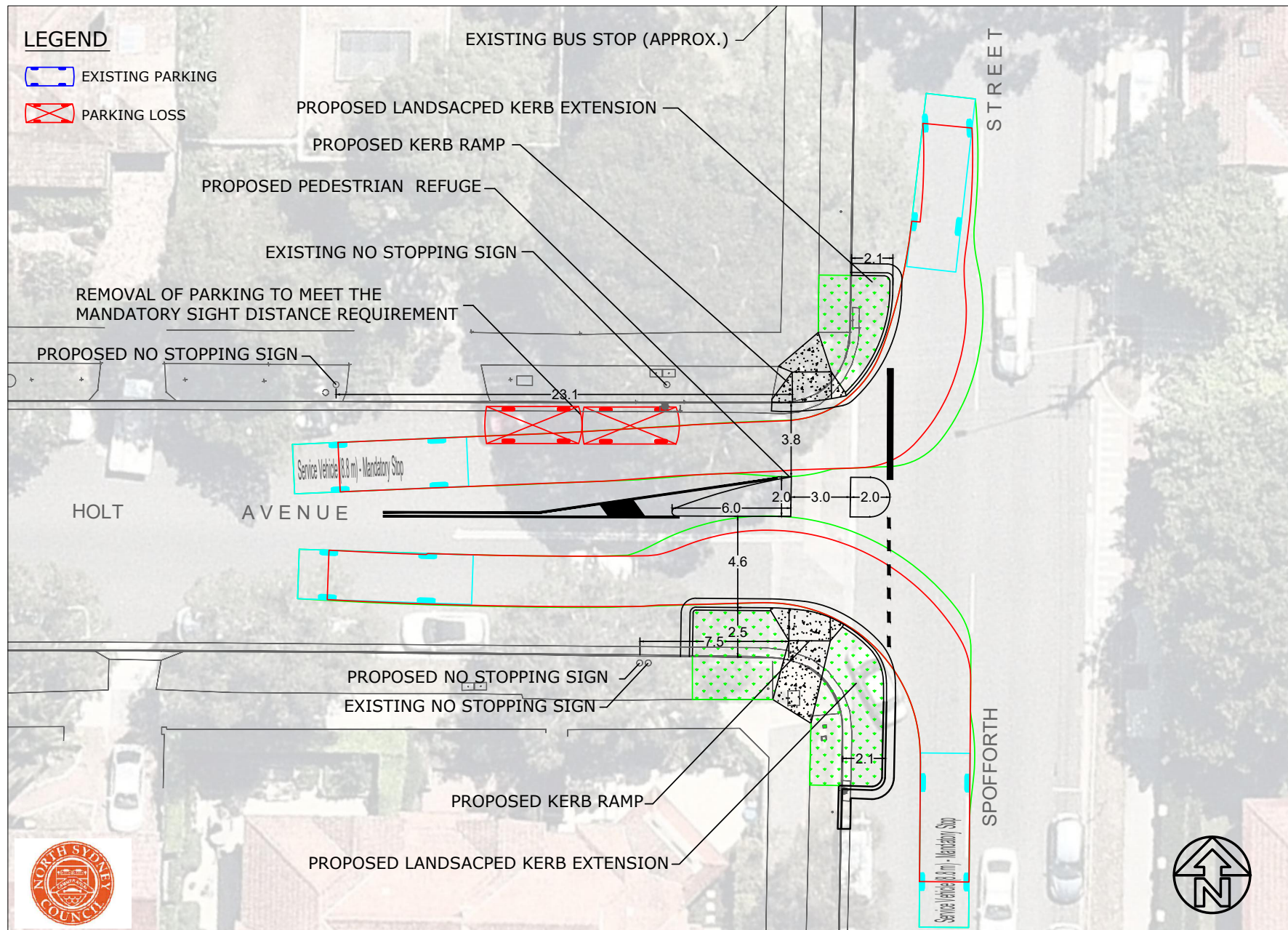
Additionally, as discussed in the [report of 11 June Traffic Committee](#), the proposal for Spofforth Street and Florence Street is wholly within the North Sydney Council area. While issues at this intersection were not as prevalent in community representations as Holt Avenue and Rangers Road, there is nonetheless strong community support for the proposal and it is recommended that Council proceed with the works. The concept plan achieves a net gain of one parking space with the bus stop retained.

The cost estimate for this proposal is approximately \$80,000.

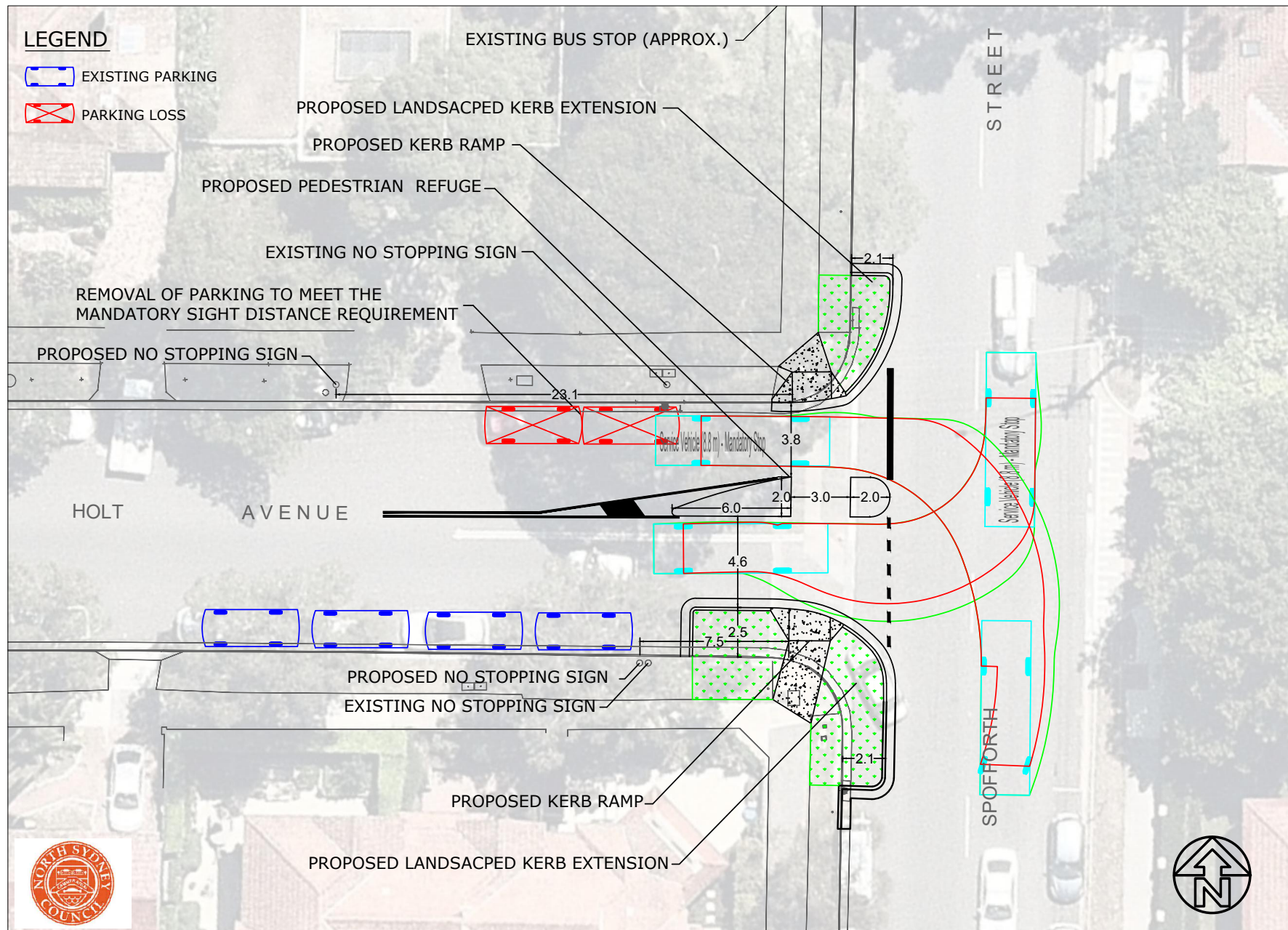
HOLT AVENUE AT SPOFFORTH STREET - PEDESTRIAN REFUGE - CONCEPT PLAN



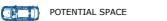
HOLT AVENUE AT SPOFFORTH STREET - PEDESTRIAN REFUGE - 8.8M MRV SWEEP PATHS - LEFT TURN



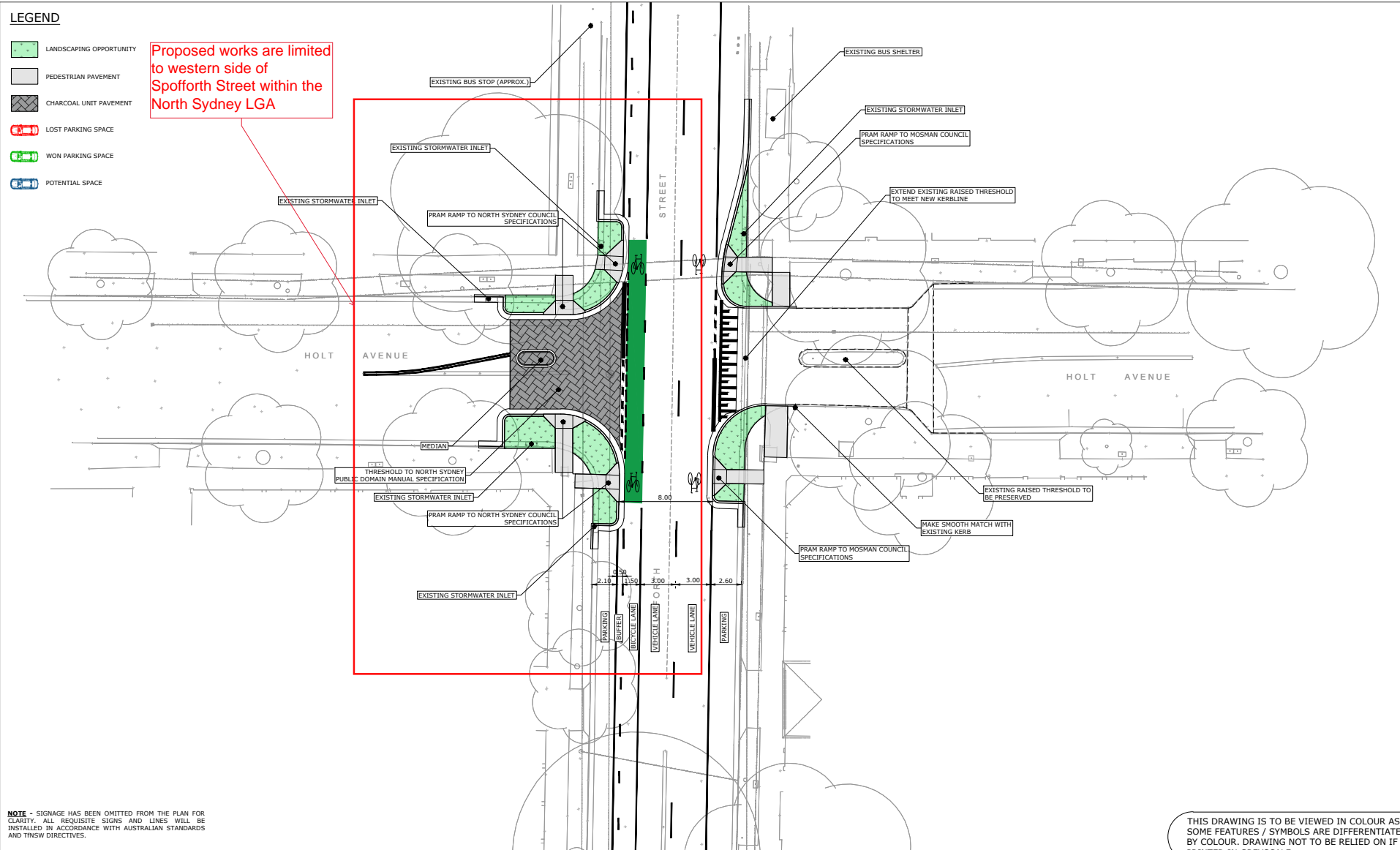
HOLT AVENUE AT SPOFFORTH STREET - PEDESTRIAN REFUGE - 8.8M MRV SWEEP PATHS - RIGHT TURN



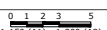
LEGEND

-  LANDSCAPING OPPORTUNITY
-  PEDESTRIAN PAVEMENT
-  CHARCOAL UNIT PAVEMENT
-  LOST PARKING SPACE
-  WON PARKING SPACE
-  POTENTIAL SPACE

Proposed works are limited to western side of Spofforth Street within the North Sydney LGA



NOTE - SIGNAGE HAS BEEN OMITTED FROM THE PLAN FOR CLARITY. ALL REQUISITE SIGNS AND LINES WILL BE INSTALLED IN ACCORDANCE WITH AUSTRALIAN STANDARDS AND TNSW DIRECTIVES.



1:150 (A1); 1:300 (A3)
100mm ON ORIGINAL DRAWING - DO NOT SCALE DRAWING

SHEET SIZE
A1



COORDS: MG94 ZONE 56
DATUM: ALL LEVELS TO A.H.D.

SCALE: 1:150
SURVEYED/PROJECT SURVEYORS
SURVEY DATE: 13/08/2019

APPROVED / PROJECT LEADER
BRAYDON AMES

PUBLIC UTILITIES:
THE SERVICES SHOWN ARE DERIVED FROM PLANS OBTAINED FROM THE RELEVANT SERVICE AUTHORITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ARRANGE WITH THE RELEVANT SERVICE AUTHORITIES FOR CONFIRMATION OF SERVICES AND THEIR LOCATION BEFORE EXCAVATION WORK COMMENCES.

REV	AMENDMENT / REASON FOR ISSUE	DATE	DES.	DWN.
F	2ND REVISED FINAL CONCEPT ISSUE - SURVEY AMENDMENTS	02/12/20	NS	NS
E	REVISED FINAL CONCEPT ISSUE	01/12/20	NS	NS
D	FINAL CONCEPT ISSUE	24/12/20	NS	NS
C	TRAFFIC COMMITTEE ISSUE	09/12/19	NS	NS
B	REVISED ISSUE - FOR DISCUSSION ONLY	18/09/19	NS	NS
A	PRELIMINARY ISSUE - FOR INFORMATION ONLY	29/08/19	NS	NS

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THIS DRAWING IS TO BE VIEWED IN COLOUR AS SOME FEATURES / SYMBOLS ARE DIFFERENTIATED BY COLOUR. DRAWING NOT TO BE RELIED ON IF PRINTED IN GREYSCALE.

PRELIMINARY



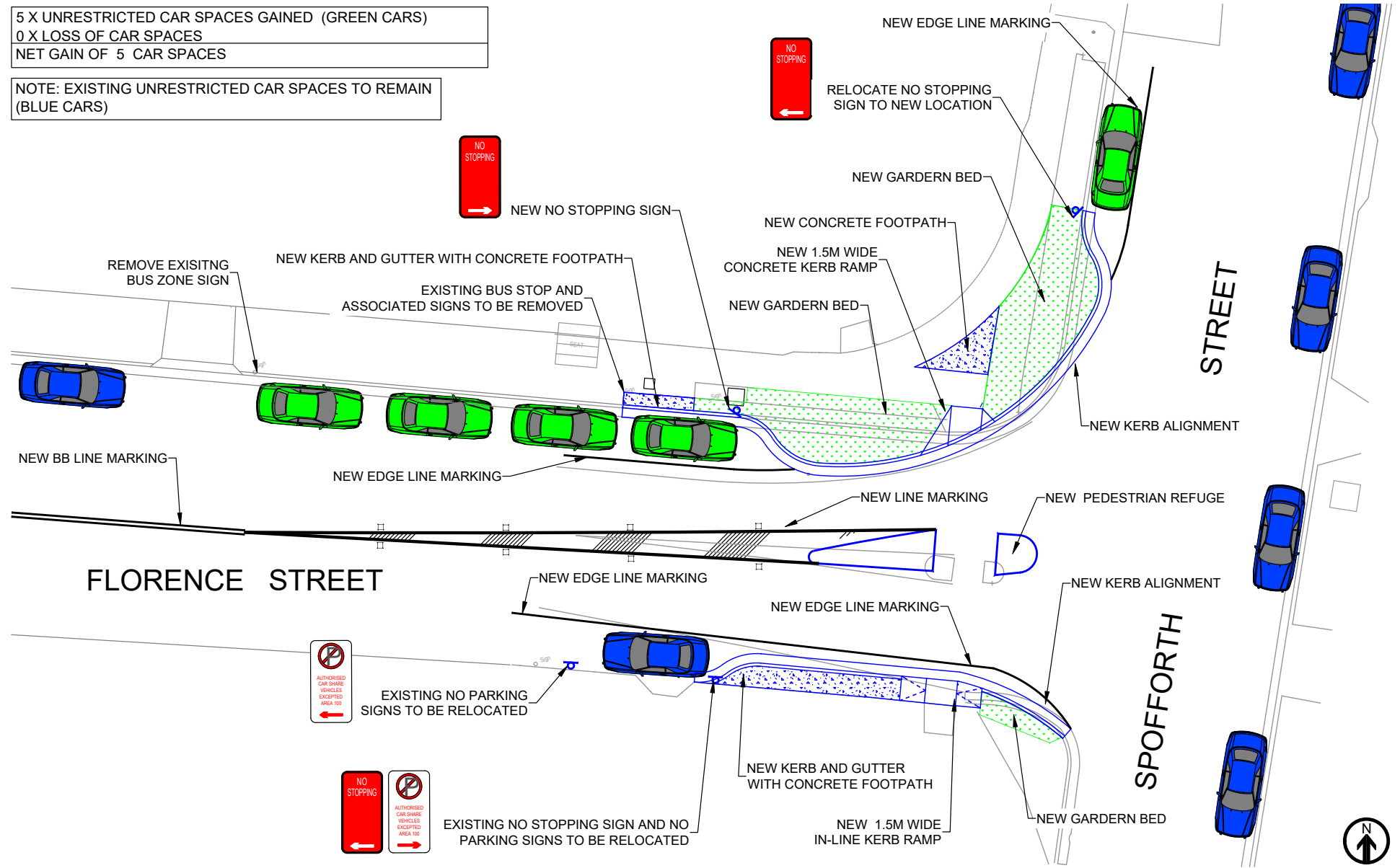
tonkin.com.au

NORTH SYDNEY COUNCIL
SPOFFORTH STREET UPGRADES
SPOFFORTH STREET & HOLT AVENUE
KERB BUILDOUTS

FILENAME: 20190977_101.DWG PROJECT NUMBER: 20190977 DRAWING NUMBER: 101 REVISION: F

5 X UNRESTRICTED CAR SPACES GAINED (GREEN CARS)
 0 X LOSS OF CAR SPACES
 NET GAIN OF 5 CAR SPACES

NOTE: EXISTING UNRESTRICTED CAR SPACES TO REMAIN (BLUE CARS)



**UPGRADE OF PEDESTRIAN REFUGE
 INTERSECTION OF FLORENCE AND SPOFFORTH ST, MOSMAN
 NOT TO SCALE**