

**ITEM 45. TRAFFIC TREATMENT - THRESHOLDS – ABERCROMBIE AND
SHEPHERD AND LAWSON STREETS DARLINGTON**

TRIM RECORD NO: 2014/335519

RECOMMENDATION

It is recommended that the Committee endorse the introduction of the following traffic calming treatments:

- (A) Two raised thresholds and one flush threshold in Abercrombie Street, Darlington, between Raglan Street and Caroline Street.
- (B) One raised threshold and one flush threshold in Shepherd Street, Darlington, between Wilson Street and Lander Lane.
- (C) Two raised thresholds in Lawson Street, Darlington, between Gibbons Street and Abercrombie Street.
- (D) Kerbside islands at the majority of these thresholds.

DECISION

BACKGROUND

Abercrombie Street is the main street of Darlington Village and runs between Cleveland and Golden Grove Streets. The City proposes a more pedestrian friendly street between Redfern Station and Sydney University as it is a major walking route for students and residents.

The Newtown, Darlington, Erskineville and Camperdown Pedestrian Cycling and Traffic Calming (PCTC) Plan adopted by Council in 2010 includes proposals to enhance amenity of the local area, provide safe and convenient walking and cycle access, while maintaining appropriate vehicle access for residents and businesses. The introduction of thresholds along Abercrombie, Shepherd and Lawson Streets, Darlington, would reinforce the commitments in the PCTC and enable the introduction of a 40km/h High Pedestrian Activity Area (HPAA) by the RMS.

COMMENTS

Abercrombie Street is a major walking route. The City has commenced negotiating with the RMS for the introduction of a HPAA. As part of the RMS requirement for the HPAA, the speed limit must be self-enforcing. As such, additional thresholds in Abercrombie, Shepherd and Lawson Streets are proposed by the City.

Raised and flush thresholds will include kerbside islands in accordance with RMS technical directives to prevent thresholds being used as pedestrian crossings. This will cause a net loss of 10 parking spots in the overall area covered by the three streets.

Where the footway is wide and pedestrian use is low then garden hedges will be installed on the footway instead of kerbside islands in the road. This would minimise the loss of parking and still comply with RMS requirements.

This proposal would help to improve general safety in the area and create a more pedestrian friendly street. It would also reduce the speed of traffic travelling along Abercrombie, Shepherd and Lawson Streets. This measure is part of the City's commitment to calm traffic and improve residential amenity.

CONSULTATION

The City consulted local residents and businesses in the area. There were 1400 letters sent out to the community. Of the responses received, 17 were supportive of the proposal and 5 were opposed.

Of the 17 supportive responses, residents were in favour of the way the proposal would complement the City's Abercrombie Street Upgrade and address the large pedestrian volumes travelling between Redfern Station and the University of Sydney.

Of those in favour, five (5) also called for the extension of the area covered by traffic calming. However, the extension of the traffic calming zone into a Local Traffic Area is not part of this project and would need to be considered as a separate project. Two (2) responses also recommended the installation of footpath fencing to curb illegal pedestrian activity. However, the City does not support the installation of pedestrian fencing, and instead proposes garden beds in some areas along the footpath to curb illegal pedestrian crossings.

The five (5) responses opposed to the proposal said that the proposed changes are unwarranted, would cause a loss of parking, and would create noise from traffic travelling over raised thresholds.

The loss of parking is caused by the installation of kerbside islands at the thresholds – these islands are required to prevent illegal pedestrian crossing movements. As this is a high pedestrian activity area with narrow footpaths, hedging on footpaths is not recommended as it would impede pedestrian flow. The City also noted that if vehicles travel at low speed then noise would not be a significant issue near the thresholds.

Furthermore, two (2) of the opposing responses suggested alternatives including 10km/h shared zones, one-way streets and extended footpaths. The project team has responded in detail to these residents regarding their alternative proposals.

FINANCIAL

Funds are available in the current budget for the Abercrombie Street, Darlington Upgrade.

ATTACHMENTS

Traffic Treatment - Thresholds – Abercrombie And Shepherd And Lawson Streets Darlington

Jacqueline Ong, Design Manager

Abercrombie Street • 40km Precinct Plan

Project / Darlington Village Streetscape Upgrade
Date / 28 July 2014



RAISED THRESHOLD TYPE 1
Raised threshold with planted medians in parking lane on both sides.
• 3 parking spaces removed.

RAISED THRESHOLD TYPE 2
Raised threshold with planted medians in parking lane on both sides.
• 2 parking spaces removed.

RAISED THRESHOLD TYPE 3
Raised threshold with planted median in parking lane on south side and planting in footpath on north side.
• 2 parking spaces removed.

FLUSH THRESHOLD TYPE 2
Flush threshold with planting in footpath on both sides.

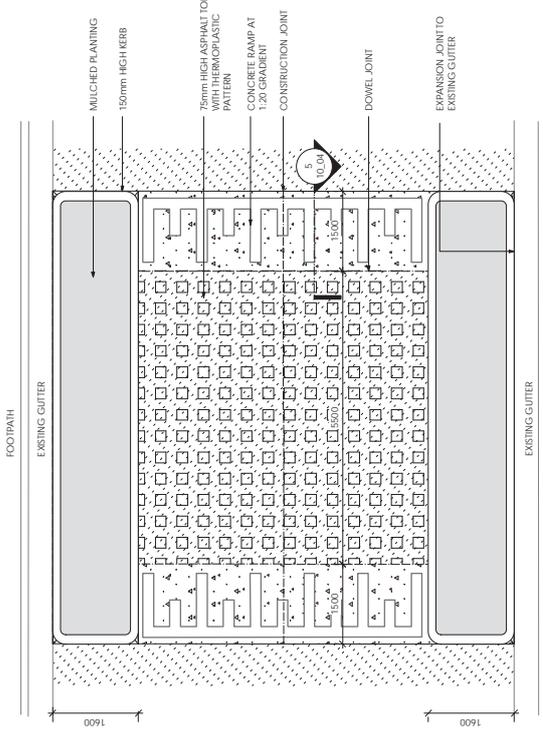
RAISED THRESHOLD TYPE 4
Raised threshold.

Legend

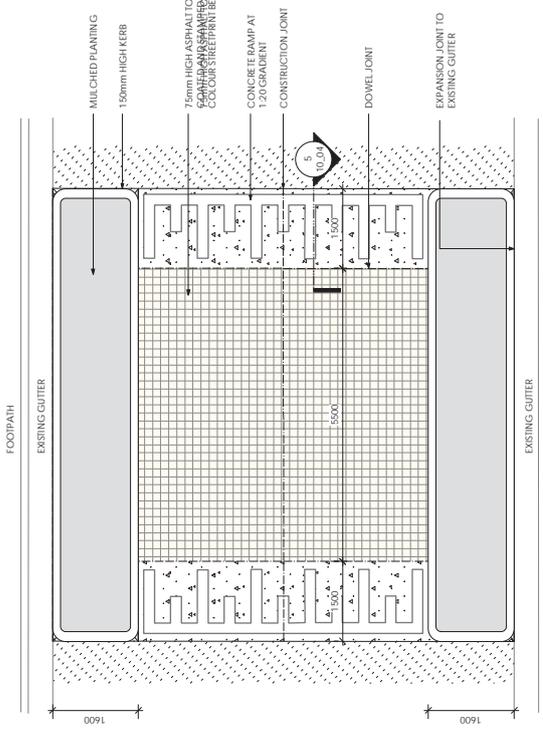
- New Street Tree
- Existing Street Tree
- Existing Tree To Be Replaced
- Planting Area / Raingarden
- Cafe Outdoor Seating
- Raised Threshold
- Flush Road Treatment
- 40km Precinct
- Parking Space Removed
- Shared Zone - Coloured Road Asphalt
- New Brick Pavement
- New Street Lights
- New Smartpoles at Lawson Street Intersection
- New Pedestrian Light Post

RAISED THRESHOLD TYPE 1
Raised threshold with planted medians in parking lane on both sides.
• 3 parking spaces removed.

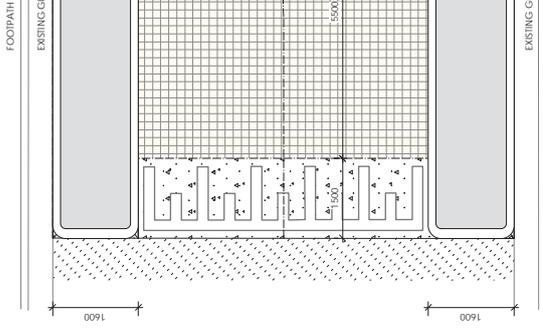




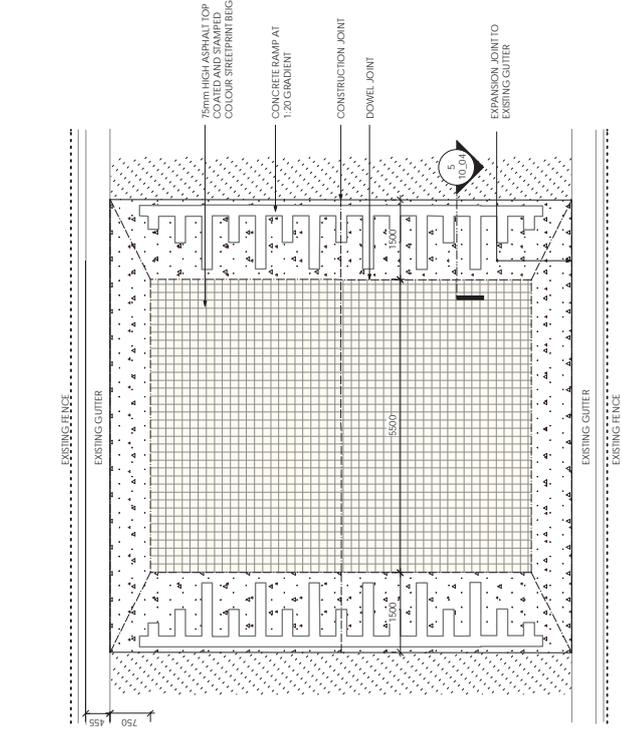
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Scale: 1:50



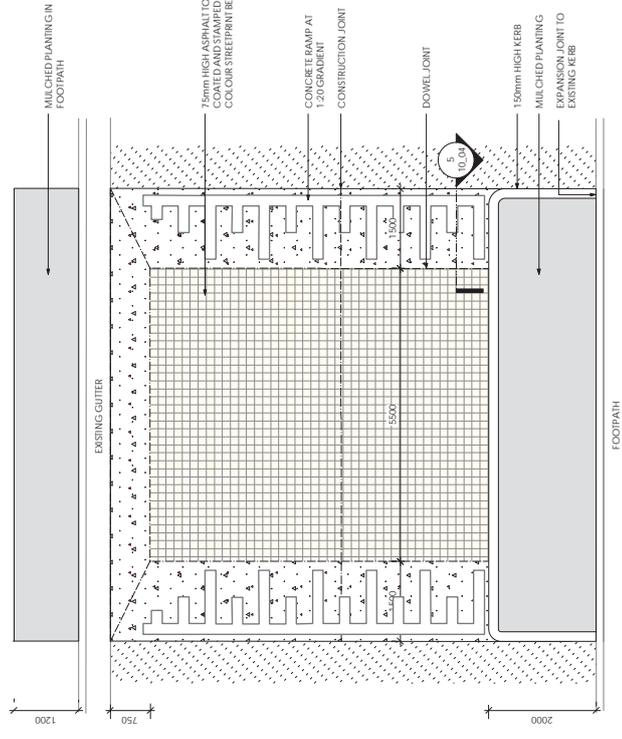
2 RAISED THRESHOLD PLAN - TYPE 2
Scale: 1:50



3 RAISED THRESHOLD PLAN - TYPE 3
Scale: 1:50



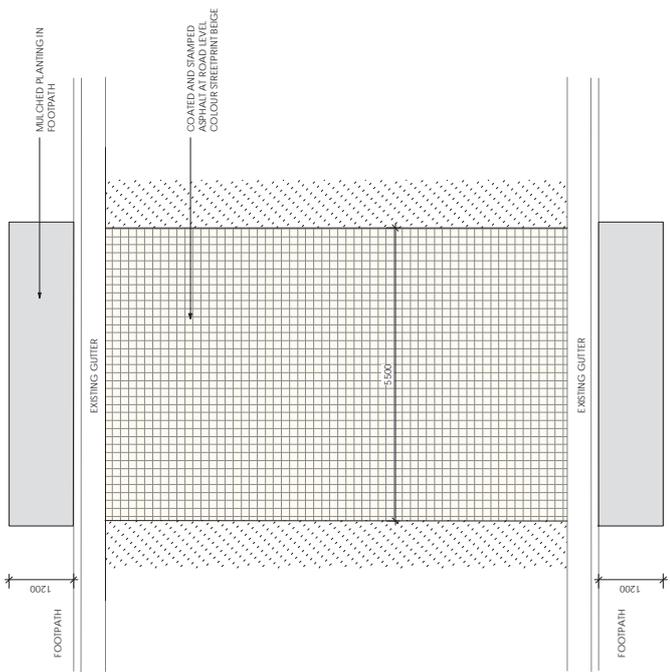
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Scale: 1:50



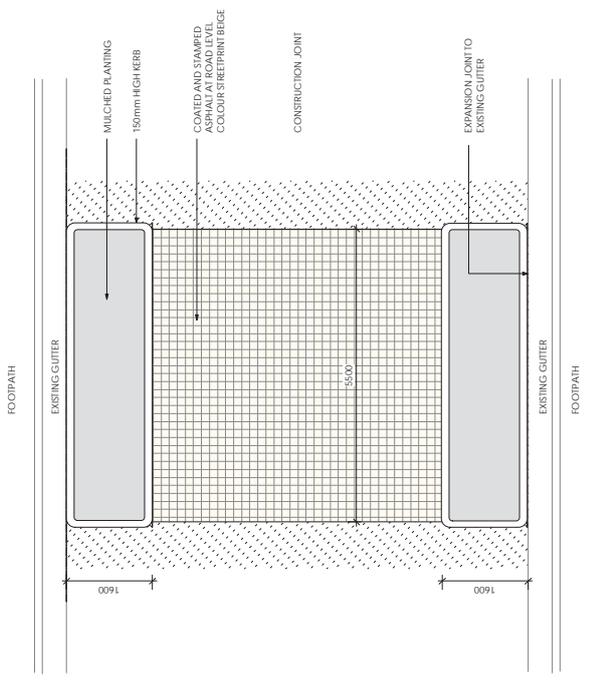
5 RAISED THRESHOLD PLAN - TYPE 5
Scale: 1:50

REV	DATE	AMENDMENT / REVISION DESCRIPTION	APPROVAL	TITLE	NAME	YTD
A	28/10/13	CONSTRUCTION ISSUE	SH	DRAFTSMAN		
	17/10/13	ISSUE FOR INFORMATION		DESIGNER		
				DESIGN CHECK		

LEAD CONSULTANT/LANDSCAPE ARCHITECT	GROUP USA	Group USA Pty Ltd 100/100 Pitt Street Sydney NSW 2000 P: 02 9233 3368 www.groupusa.com
CIVIL ENGINEER	NORTHROP	Northrop Consulting Engineers Pty Ltd 100/100 Pitt Street Sydney NSW 2000 P: 02 9233 3368 www.northrop.com.au
WORLD ENGINEER	equilibrio	equilibrio Pty Ltd 100/100 Pitt Street Sydney NSW 2000 P: 02 9233 3368 www.equilibrio.com.au
TRAFFIC ENGINEER	PARSONS BRINCKERHOFF	Parsons Brinckerhoff 100/100 Pitt Street Sydney NSW 2000 P: 02 9233 3368 www.parsonsbrinckerhoff.com
LIGHTING ENGINEER	LAS	Lighting and Electrical Consultants 100/100 Pitt Street Sydney NSW 2000 P: 02 9233 3368 www.las.com.au
CLIENT	ASIT SYDNEY	The City of Sydney 100/100 Pitt Street Sydney NSW 2000 www.cityofsydney.nsw.gov.au
PROJECT TITLE	ABERCROMBIE STREET UPGRADE	
DRAWING TITLE	Details - Raised Thresholds	
DRAWING No.	12405	DRAWING STATUS
REVISION	10_04A	REVISION
Documentation		



2 FLUSH THRESHOLD PLAN - TYPE 2
SCALE: 1:50



1 FLUSH THRESHOLD PLAN - TYPE 1
SCALE: 1:50

REV	DATE	AMENDMENT / REVISION DESCRIPTION	APPROVAL	TITLE	NAME	YTD
A	23/10/13	CONSTRUCTION ISSUE	SH	DRAFTSMAN		
	17/10/13	ISSUE FOR INFORMATION		DESIGNER		
				DESIGN CHECK		
				DESIGN CHECK		

LEAD CONSULTANT / LANDSCAPE ARCHITECT	GROUP USA Group USA Pty Ltd 100/100 Pitt Street Sydney NSW 2000 P: 02 9233 3368 www.groupusa.com
CIVIL ENGINEER	NORTHROP Northrop Consulting Engineers Pty Ltd 100/100 Pitt Street Sydney NSW 2000 P: 02 9233 3368 www.northrop.com.au
WORLD ENGINEER	equitycity equitycity Pty Ltd 100/100 Pitt Street Sydney NSW 2000 P: 02 9233 3368 www.equitycity.com.au
TRAFFIC ENGINEER	PARSONS BRINCKERHOFF Parsons Brinckerhoff 600 George Street Sydney NSW 2000 P: 02 9233 3368 www.pbr.com
LIGHTING ENGINEER	LAS Lighting and Electrical Consultants 100/100 Pitt Street Sydney NSW 2000 P: 02 9233 3368 www.las.com.au
CLIENT	ALIBI SYDNEY The City of Sydney 100/100 Pitt Street Sydney NSW 2000 www.cityofsydney.nsw.gov.au
NORTHPOINT	SCALE: A1: A1 SCALE BAR 0 1 2 3 4 5 6 7 8 9 10m
PROJECT TITLE	ABERCROMBIE STREET UPGRADE
DRAWING TITLE	Details - Flush Thresholds
PROJECT NO.	12405
DRAWING NO.	10_04B
REVISION	A
Documentation	

