

**ITEM 7. ITEM FOR COMMITTEE INFORMATION – TRAFFIC SIGNALS –
INTERSECTION OF PORTMAN STREET AND ZETLAND AVENUE
ZETLAND**

TRIM RECORD NO: 2017/304123

RECOMMENDATION

It is recommended that the Committee note the proposed traffic signals installation at the intersection of Portman Street and Zetland Avenue, Zetland.

VOTING MEMBERS FOR THIS ITEM

<i>Voting Members</i>	<i>Support</i>	<i>Object</i>
City of Sydney		
Roads and Maritime Services		
NSW Police – Redfern LAC		
Representative for the Member for Heffron		

DECISION

BACKGROUND

The Development Consent for the Green Square Town Centre (D/2012/1175/F) requires the Applicant to deliver a new signalised intersection in Portman Street at Zetland Avenue, Zetland.

The delivery of the new signalised intersection will address Condition 15 and 26 for the development of the Green Square Town Centre.

Zetland Avenue is a new street providing pedestrian, cycle and vehicular connections through the town centre. Zetland Avenue parking restrictions will be considered as part of a separate item.

COMMENTS

As part of the City's commitment to calm traffic and improve safety, the City is proposing to introduce a signal controlled intersection with four signal controlled crossing arms at the intersection of Portman Street and Zetland Avenue, Zetland.

On 26 May 2016, Roads and Maritime Services approved the Traffic Control Signal Plan for the proposed signal controlled intersection at Portman Street and Zetland Avenue.

CONSULTATION

The City consulted local residents and businesses in the area through a community engagement event for Green Square proposals and publication of the proposal on the "SydneyYourSay" website. Over 100 people attended the event and 340 people visited the webpage.

There were no responses supporting or opposing the proposal.

FINANCIAL

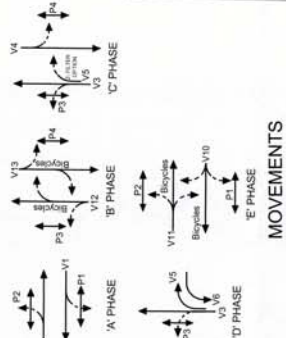
Funds are available as part of the Green Square Project budget.

ATTACHMENTS

Item for Committee Information – Traffic Signals – Intersection of Portman Street and Zetland Avenue Zetland

Alex Georgouras, Design Manager Green Square

DO NOT AMEND MANUALLY



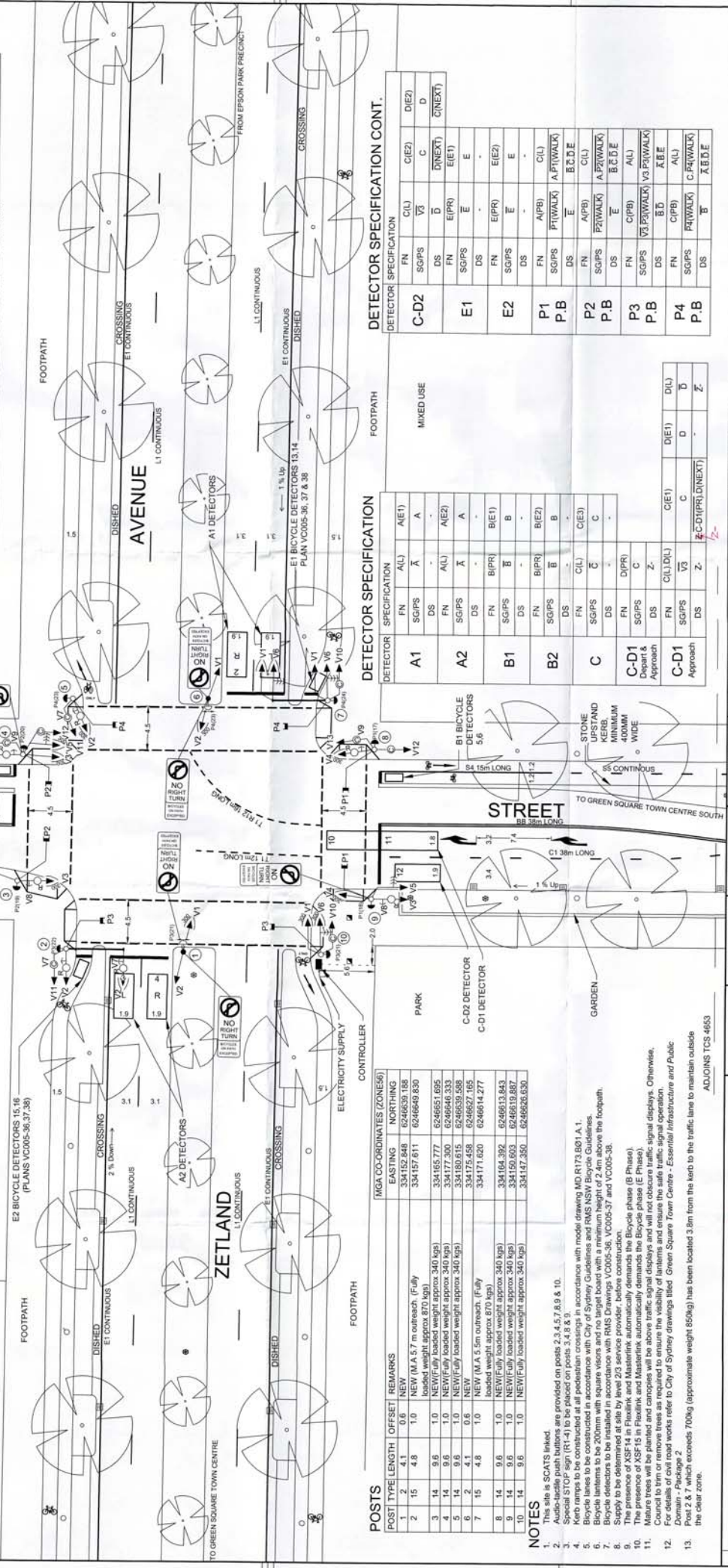
SIGNAL GROUP / PHASE CHART

SIGNAL GROUP	PHASE DURING GREEN					TABLE No.	REMARKS
	A	B	C	D	E		
V1	X					1	
V2	X					1	
V3		X				3	
V4		X				3	
V5		X				3	
V6		X				3	
V7		X				3	
V8		X				3	
V9		X				3	
V10		X				3	
V11		X				3	
V12		X				3	
V13		X				3	
V14		X				3	
V15		X				3	
V16		X				3	
V17		X				3	
V18		X				3	
V19		X				3	
V20		X				3	
V21		X				3	
V22		X				3	
V23		X				3	
V24		X				3	
V25		X				3	
V26		X				3	
V27		X				3	
V28		X				3	
V29		X				3	
V30		X				3	
V31		X				3	
V32		X				3	
V33		X				3	
V34		X				3	
V35		X				3	
V36		X				3	
V37		X				3	
V38		X				3	
V39		X				3	
V40		X				3	
V41		X				3	
V42		X				3	
V43		X				3	
V44		X				3	
V45		X				3	
V46		X				3	
V47		X				3	
V48		X				3	
V49		X				3	
V50		X				3	
V51		X				3	
V52		X				3	
V53		X				3	
V54		X				3	
V55		X				3	
V56		X				3	
V57		X				3	
V58		X				3	
V59		X				3	
V60		X				3	
V61		X				3	
V62		X				3	
V63		X				3	
V64		X				3	
V65		X				3	
V66		X				3	
V67		X				3	
V68		X				3	
V69		X				3	
V70		X				3	
V71		X				3	
V72		X				3	
V73		X				3	
V74		X				3	
V75		X				3	
V76		X				3	
V77		X				3	
V78		X				3	
V79		X				3	
V80		X				3	
V81		X				3	
V82		X				3	
V83		X				3	
V84		X				3	
V85		X				3	
V86		X				3	
V87		X				3	
V88		X				3	
V89		X				3	
V90		X				3	
V91		X				3	
V92		X				3	
V93		X				3	
V94		X				3	
V95		X				3	
V96		X				3	
V97		X				3	
V98		X				3	
V99		X				3	
V100		X				3	

RESIDENTIAL / MIXED USE

B2 BICYCLE DETECTORS

7, 8



POSTS

POST TYPE	LENGTH	OFFSET	REMARKS
1	2	4.1	0.0 NEW
2	15	4.8	1.0 NEW (M.A 5.7 m outreach, Fully loaded weight approx 340 kgs)
3	14	9.6	1.0 NEW (M.A 5.7 m outreach, Fully loaded weight approx 340 kgs)
4	14	9.6	1.0 NEW (Fully loaded weight approx 340 kgs)
5	14	9.6	1.0 NEW (Fully loaded weight approx 340 kgs)
6	2	4.1	0.6 NEW
7	15	4.8	1.0 NEW (M.A 5.5 m outreach, Fully loaded weight approx 870 kgs)
8	14	9.6	1.0 NEW (Fully loaded weight approx 340 kgs)
9	14	9.6	1.0 NEW (Fully loaded weight approx 340 kgs)
10	14	9.6	1.0 NEW (Fully loaded weight approx 340 kgs)

- NOTES
- This site is SCATS linked.
 - Audio-visual push buttons are provided on posts 2, 3, 4, 5, 7, 8, 9 & 10.
 - SCATS is to be installed on all posts.
 - Kerb ramps to be constructed at all pedestrian crossings in accordance with model drawing MD R173.801 A.1.
 - Bicycle lanes to be constructed in accordance with City of Sydney Guidelines and RMS NSW Bicycle Guidelines.
 - Bicycle lanes to be 200mm wide with square visors and no target board with a minimum height of 2.4m above the footpath.
 - Bicycle detectors to be installed in accordance with RMS Drawings VC005-36, VC005-37 and VC005-38.
 - Supply to be determined at site by level 2/3 service provider, before construction.
 - The presence of a 'No Right Turn' sign in the vicinity of a detector will automatically demand the Bicycle phase (B Phase).
 - SCATS is to be installed in the vicinity of a detector and will not be used for traffic signal operation.
 - Mature trees will be planted and canopies will be above traffic signal displays and will not obstruct traffic signal operation.
 - Council to trim or remove trees as required to ensure the visibility of lanterns and ensure the safe traffic signal operation.
 - For details of civil road works refer to City of Sydney drawings titled Green Square Town Centre - Essential Infrastructure and Public Domain - Package 2
 - Posts 2 & 7 which exceeds 700kg (approximate weight 850kg) has been located 3.8m from the kerb to the traffic lane to maintain outside the clear zone.

ADJOINS TCS 4653

DETECTOR SPECIFICATION

DETECTOR	FUNCTION	TYPE	PHASE	PHASE	PHASE	PHASE	PHASE	PHASE	PHASE
A1	FN	ALL	AE(1)						
A2	SGSPS	A	AE(2)						
B1	FN	BIPR	BE(1)						
B2	SGSPS	B	BE(2)						
C	FN	CIL	CE(1)						
C-D1	FN	DIPR							
C-D1	DS	Z							
C-D1	FN	CIL(DLI)							
C-D1	SGSPS	V3							
C-D1	DS	Z							

DETECTOR SPECIFICATION CONT.

DETECTOR	FUNCTION	TYPE	PHASE	PHASE	PHASE	PHASE	PHASE	PHASE	PHASE
C-D2	FN	CIL	CE(2)						
C-D2	SGSPS	V3							
C-D2	DS	D							
E1	FN	E(PR)	E(1)						
E1	SGSPS	E							
E2	DS	E							
E2	FN	E(PR)	E(2)						
E2	SGSPS	E							
E2	DS	E							
P1	FN	A(PB)	CIL						
P1	SGSPS	PT(WALK)	A.PT(WALK)						
P1	DS	E	B.C.D.E						
P2	FN	A(PB)	CIL						
P2	SGSPS	PT(WALK)	A.PT(WALK)						
P2	DS	E	B.C.D.E						
P3	FN	C(PB)	ALI						
P3	SGSPS	V3	PT(WALK)	V3.PT(WALK)					
P3	DS	B.D	A.B.E						
P4	FN	C(PB)	ALI						
P4	SGSPS	PT(WALK)	C.PT(WALK)						
P4	DS	B	A.B.E.D.E						

ROADS AND MARITIME SERVICES
 SYDNEY COUNCIL AREA
 TRAFFIC SIGNALS AT
 ZETLAND AVENUE AND PORTMAN STREET
 ZETLAND

DESIGN LAYOUT

RMS ACCEPTANCE
 APPROVED
 RECOMMENDED
 DATE: 28/01/2014

AECOM

DESIGNER: AECOM
 CHECKED: [Signature]
 DATE: 28/01/2014

REG No. DS2014/006103
 TCS No. 4651

SCALE: 1:1200
 SHEET: 1 OF 1

DATE IN SERVICE: 00/00/00