DRAWN BY CADD
DO NOT AMEND MANUALLY

DATE IN SERVICE : 00/00/00

Transport Roads & Maritime Services

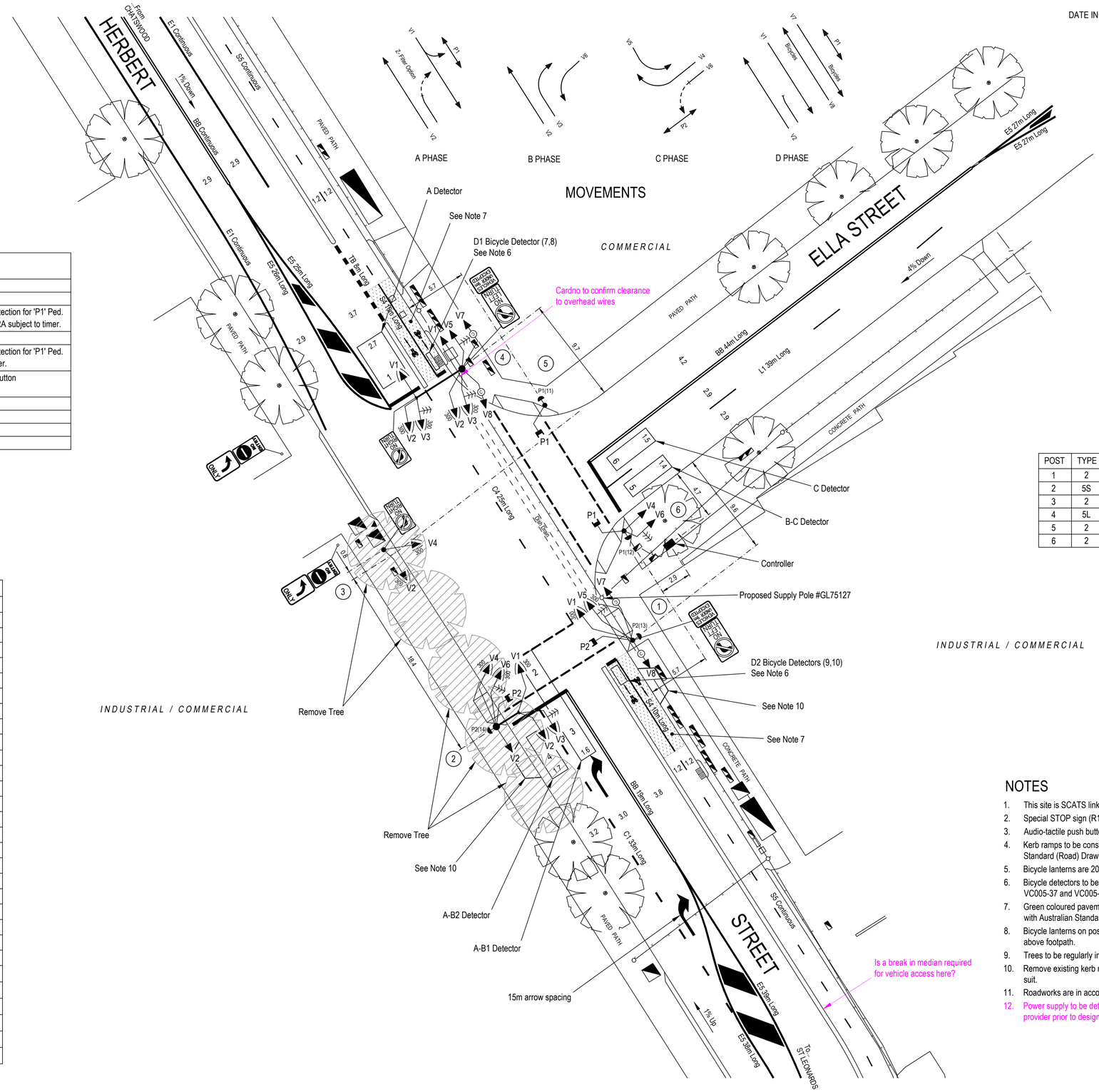
TCS 0000

SIGNAL GROUP PHASE CHART

SIGNAL GROUP	PHASE WHEN GREEN				TABLE TYPE	REMARKS
	A	B	C	D		
V1	X			X	4	Overlap D->A
V2	X	X		X	3	
V3		X			82	RA for 'D' Phase cycle movement. Timed RA protection for 'P1' Ped. Z- Filter Option. Push button on Post 6 extends RA subject to timer.
V4			X		1	
V5			X		76	RA for 'D' Phase cycle movement. Timed RA protection for 'P1' Ped. Push button on Post 6 extends RA subject to timer.
V6		X	C		77	Timed RA protection for 'P2' Pedestrians. Push button on Post 2 extends RA subject to timer.
V7				X	1	Bicycle lantern
V8				X	1	Bicycle lantern
P1	X			X	23	Walk / Clearance overlap D->A
P2			X		2	

DETECTOR SPECIFICATION

Detector		Specifications			
A	FN	A(PR)	A(PR)	A(E1)	
	SG/PS	$\overline{A}$	D	A	
	DS	—	A(NG)	—	
A-B1 Depart & Approach	FN	B(PR)			
	SG/PS	A			
	DS	Z-			
A-B1 Approach	FN	A(L).B(L)	B(L)	A(E2)	
	SG/PS	$\overline{V2}$	$\overline{V3}$	A	
	DS	Z-	$\overline{Z\text{-}}$	Z-.$\overline{A}$-B1(PR).$\overline{B}$(NEXT)	
A-B2	FN	A(PR)	A(E3)	B(E3)	
	SG/PS	$\overline{V2}$	A	B	
	DS	$\overline{B}$	$\overline{B(NEXT)}$	A(NEXT)	
B-C	FN	B(PR)	B(E1)	C(E1)	
	SG/PS	$\overline{B}.\overline{C}$	B	C	
	DS	$\overline{C}$	$\overline{C(NEXT)}$	B(NEXT)	
C	FN	C(L)	C(E2)		
	SG/PS	$\overline{C}$	C		
	DS	—	—		
D1 (Bicycle)	FN	D(PR)	D(E1)		
	SG/PS	$\overline{D}$	D		
	DS	—	—		
D2 (Bicycle)	FN	D(PR)	D(E2)		
	SG/PS	$\overline{D}$	D		
	DS	—	—		
P1 P.B.	FN	A(PB)		B(L)	
	SG/PS	$\overline{V1.P1(WALK)}$		V1.P1(WALK)	
	DS	$\overline{D}$		$\overline{B}.\overline{C}$	
P2 P.B.	FN	C(PB)		A(L)	
	SG/PS	$\overline{P2(WALK)}$		C.P2(WALK)	
	DS	—		$\overline{A}.\overline{B}.\overline{D}$	



POSTS

POST	TYPE	LENGTH	OFFSET	REMARKS
1	2	4.1	1.0	New
2	5S	-	1.0	New
3	2	4.1	1.0	New
4	5L	-	1.0	New
5	2	3.2	1.0	New
6	2	4.1	1.0	New

NOTES

1. This site is SCATS linked.
2. Special STOP sign (R1-4) placed on posts 1 & 5.
3. Audio-tactile push buttons provided on posts 1, 2, 3, 4, 5, 6, 7 & 8.
4. Kerb ramps to be constructed at pedestrian crossings in accordance with RMS Standard (Road) Drawing R0300-11.
5. Bicycle lanterns are 200mm with square visors and no target board.
6. Bicycle detectors to be installed in accordance with RMS Drawings VC005-36, VC005-37 and VC005-38.
7. Green coloured pavement (10m long) on Bicycle Lane to be provided in accordance with Australian Standard AS1742.9 and Austroads guides.
8. Bicycle lanterns on posts 1 & 4 mounted below vehicle lanterns at a minimum 2.4m above footpath.
9. Trees to be regularly inspected and trimmed by Council to maintain visibility to lanterns.
10. Remove existing kerb ramp and reinstate with SA kerb and concrete / paved footpath to suit.
11. Roadworks are in accordance with Cardno Construction Drawing DS2000/000000.
12. Power supply to be determined, within 30m of the controller, by a level 2/3 service provider prior to design approval.

A ORIGINAL ISSUE

PUBLIC UTILITY LEGEND		REFERENCE PLANS	
HYDRANT	□	SYMBOLS/ABRVS	VD003-6
STOP VALVE	▲	STD POSN CMPT	VD001-5
GAS VALVE	#	INSTL STOP DET	VC005-17
SEWER MANHOLE	⊗	VEH GROUP OP	TS-TN-019
COMMS PIT	◪	DET LOGIC OP	TS-TN-020
ELECT LIGHT POLE	☌	PED MVT OP	TS-TN-021
POWER POLE	○		
STAY POLE	⊘		
TELEPHONE BOX	T	SURVEYOR : DIGITISED	
COMMS PILLAR	◕	DATE : 2021	

U.B.D. Ref. Map 215 N3
I.S.G. CO-ORDS E : 317 707 N : 1 256 548
DESIGNED : R BATES
CHECKED : J BATES
J BATES
SITE CHECKED
J BATES
RECOMMENDED

DESIGN APPROVAL
APPROVED
NAME
POSITION MANAGER
DATE 28/05/21
DESIGN PREPARED BY
B-Line Drafting on behalf of Cardno

RMS RECOMMENDATION
ROAD DESIGN ENGINEERING
NAME
POSITION
DATE
NETWORK OPERATIONS
NAME
POSITION
DATE

RMS ACCEPTANCE
ACCEPTED
NAME
POSITION
DATE
ACCEPTED BY
SECTION

ROADS AND MARITIME SERVICES

WILLOUGHBY COUNCIL AREA
TRAFFIC SIGNALS AT
HERBERT STREET AND
ELLA STREET
ST LEONARDS

DESIGN LAYOUT

EXISTING □ PROPOSED ☒
CADD FILE: VV0000_1A.dgn
SCALE 5 0 (1:200) 5 10
FILE SF0000/000000
SUPERSEDES SHEET/ISSUE -/-
ISSUE A
REG No. DS0000/000000
TCS No. 0000
SHEET 1

Revision 6 - July 2017

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