DATE PLOTTED: 28 May 2021 12:15 PM BY - KAREN SUTTON

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Shaping the Future

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WILLOUGHBY CITY COUNCIL

CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

COVER SHEET



LOCALITY PLAN
N.T.S

Rev.	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

WILLOUGHBY CITY COUNCIL
City of Diversity

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Drawn	J.GUEVARRA	28.05.21
Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
AHD		NTS	A3

Drawing Number: 80221028-DRG-R1-GE-0001
Revision: 0

XREFs: XRF-GN-A3-COVR; XRF-SU-AERIAL-IMG; 80221028MB (Pacific Highway Merged - 19 4 2021).rn
CAD File: \\cardno.corp\global\AU\NSW\Directory\Structure\Projects\80221\21028_Chatswood-St Leonards Cycleway\Drawings\Build\01_Dgn\01_Route-1-PAC_HWY\80221028-DRG-R1-GE-0001.dwg

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0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

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Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: GENERAL
DRAWING INDEX

Status: NOT FOR CONSTRUCTION

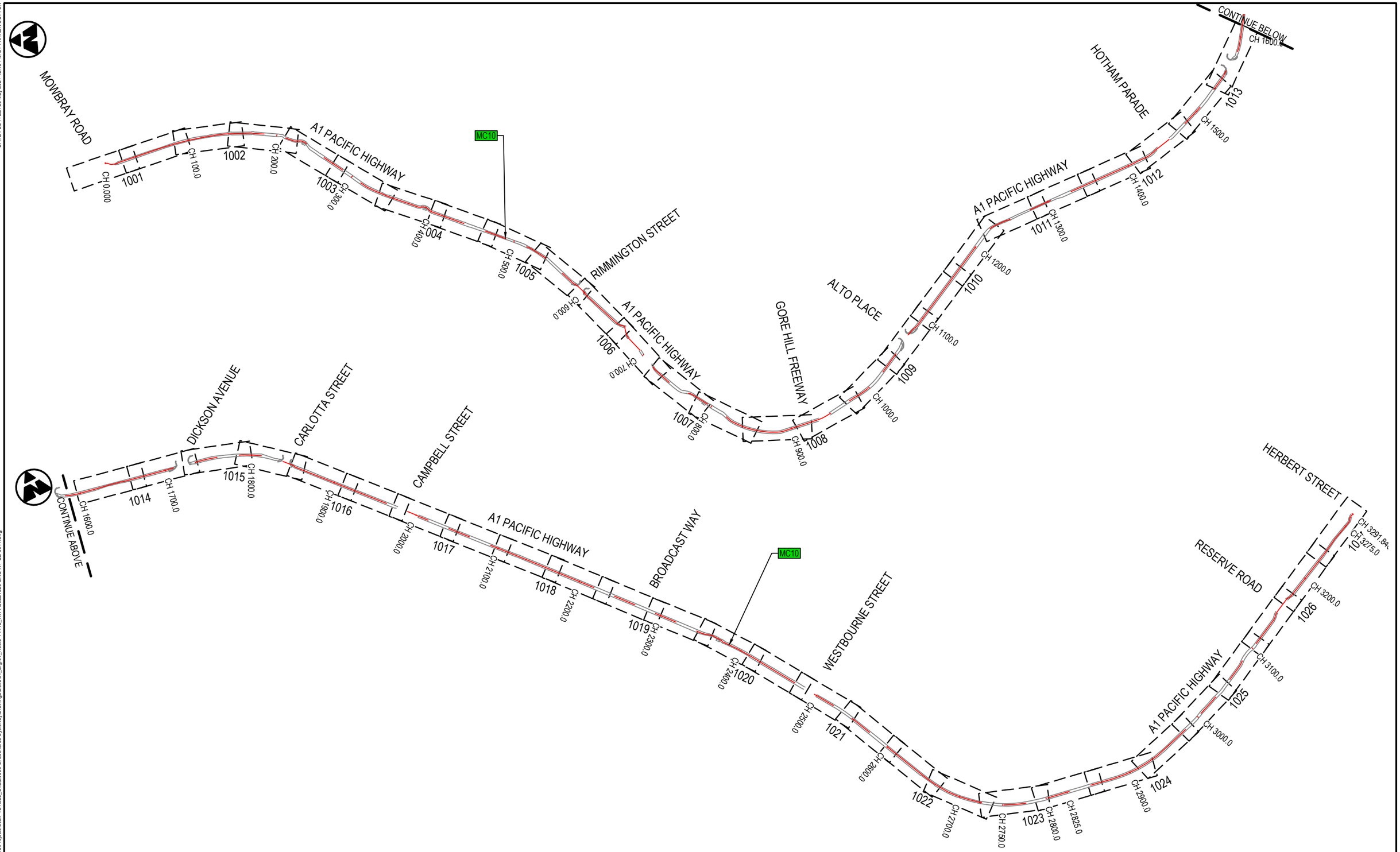
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Drawing Number: 80221028-DRG-R1-GE-0002

Revision: 0

XREFs: XRF-GN-A3-SHT-HALF
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ROUTE 1 - PACIFIC HIGHWAY
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Title: GENERAL
KEY PLAN

Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
AHD		AS SHOWN	A3

Drawing Number: 80221028-DRG-R1-GE-0011

Revision: 0

XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-GN-SHT-PLAN; XRF-SU-AERIAL-IMG; XRF-R1-GN-KEYP-PLAN; XRF-R1-RD-DESN-CTRL_4000; XRF-R1-RD-DESN-PLAN
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GENERAL NOTES

1. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATIONS FOR THESE WORKS AND DIRECTIONS OF WILLOUGHBY COUNCIL.
2. CONTRACTOR SHALL LOCATE AND LEVEL ALL EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION AND PROTECT AND MAKE ARRANGEMENTS WITH THE RELEVANT AUTHORITY TO RELOCATE AND/OR ADJUST IF NECESSARY.
3. PROVIDE TFNSW STANDARD VEHICULAR CROSSING AT ALL EXISTING DRIVEWAYS, WHERE NEW KERB IS PROVIDED.
4. MATCH NEW KERB INTO EXISTING KERB SMOOTHLY AT ALL LIMITS OF WORK.
5. WHERE EXISTING WORKS ARE TO BE SAW CUT AND REMOVED TO ALLOW CONSTRUCTION OF PROPOSED WORKS, AREA TO BE REINSTATED TO MATCH EXISTING.
6. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL DRAWINGS AND SPECIFICATIONS PREPARED BY GSA GROUP.
7. ALL CONSTRUCTION ACTIVITIES SHALL COMPLY WITH RELEVANT CURRENT WORKPLACE HEALTH AND SAFETY LEGISLATION.
8. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURAL STABILITY OF THE WORKS AND ENSURE NO PARTS BE OVER STRESSED UNDER CONSTRUCTION ACTIVITIES.

SURVEY

1. ALL LEVELS ARE H.D.D. ALL COORDINATES ARE M.G.A.
2. ALL CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE NOTED. CONTRACTOR SHALL ARRANGE FOR THE WORKS TO BE SET OUT BY A REGISTERED SURVEYOR.

EXISTING SERVICES

1. THE CONTRACTOR SHALL ALLOW FOR THE CAPPING OFF, EXCAVATION, REMOVAL AND DISPOSAL IF REQUIRED OF ALL EXISTING SERVICES IN AREAS AFFECTED BY WORKS WITHIN THE CONTRACT AREA AS DIRECTED OTHERWISE BY THE PRINCIPAL.
2. THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES SERVICES TO ALL BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED.
3. CONTRACTORS SHALL TAKE DUE CARE WHEN EXCAVATING ONSITE INCLUDING HAND EXCAVATION WHERE NECESSARY. CONTRACTORS ARE TO CONTACT THE RELEVANT SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF EXCAVATION WORKS. CONTRACTORS ARE TO UNDERTAKE A SERVICES SEARCH, PRIOR TO COMMENCEMENT OF WORKS ON SITE. SEARCH RESULTS ARE TO BE KEPT ON SITE AT ALL TIMES.

TRAFFIC CONTROL MANAGEMENT

1. TRAFFIC CONTROL IS TO BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE TFNSW TRAFFIC CONTROL AT WORKSITES (TCAWS) MANUAL AND AS1742.3
2. THE CONSTRUCTION CONTRACTOR SHALL ASSESS AND MANAGE APPROPRIATELY THE INTERFACE BETWEEN ALL ROAD USERS (PEDESTRIANS, CYCLISTS AND MOTORISTS) AND THE SITE OPERATIONS INCLUDING ACCESS AND EGRESS.
3. OBTAIN ALL ROAD OCCUPANCY LICENSES FROM EACH RESPECTIVE COUNCIL PRIOR TO COMMENCEMENT OF WORKS ON SITE.

SIGNAGE AND LINE MARKING

1. TO ELIMINATE EXCESSIVE GLARE FROM THE SURFACE OF A SIGN IT SHOULD BE TURNED. APPROXIMATELY 5° AWAY FROM THE NORMAL TO THE HEADLIGHT BEAM / LINE OF SIGHT.
2. ALL SIGNAGE TO BE CLEAR OF ALL VEGETATION AND OBSTRUCTIONS.
3. SIGNS TO BE INSTALLED IN ACCORDANCE WITH AS1742.
4. THE LOCATION OF ALL EXISTING SIGNS TO BE CONFIRMED PRIOR TO COMMENCING WORK. ENSURE ADOPTED METHOD OF CONSTRUCTION WILL AVOID DAMAGE TO ALL SERVICES.
5. CONDITION ASSESSMENT TO BE UNDERTAKEN ON ALL EXISTING SIGN FACES TO BE RELOCATED PRIOR TO BEING REUSED IN ACCORDANCE WITH RELEVANT SPECIFICATIONS AND STANDARDS AS DIRECTED BY THE PRINCIPAL.
6. ALL EXISTING LINE MARKING EFFECTED BY THE NEW WORKS AND NOT OTHERWISE CONFLICTING WITH PROPOSED LINE MARKING IS TO BE REINSTATED.
7. FOR PAVEMENT MARKINGS REFER TO TFNSW DELINEATION GUIDELINE SECTION 3.
8. ALL LINE MARKING TO BE THERMOPLASTIC IN ACCORDANCE WITH SPECIFICATION R145.
9. FOR MESSAGES ON PAVEMENTS REFER TO RMS DELINEATION GUIDELINE SECTION 9.
10. FOR REMOVAL OF LINE MARKING REFER TO RMS DELINEATION GUIDELINE SECTION 14.
11. SIGNAGE AND LINE MARKING PLANS TO BE READ IN CONJUNCTION WITH APPROVED TCS DRAWINGS.

SHARED PATH PAVEMENT

1. CONCRETE SHALL HAVE A 28 DAY STRENGTH OF 25MPa MINIMUM.
2. CONCRETE SHALL BE PLACED WITH A MAXIMUM SLUMP OF 80mm.
3. ALL PAVEMENTS ARE TO BE JOINTED AS FOLLOWS. (U.N.O)
4. FULL DEPTH EXPANSION JOINTING IS TO BE USED EVERY 7.5m USING KEYED EXPANSION JOINTS WITHIN MINIMUM 12mm DOWELS(STARTING 300mm FROM EACH SIDE THEN AT 900mm CENTRES) WITH A 25mm DEEP SAW CUT OR 45mm MECHANICAL CRACKER JOINT EVERY 3m (SAW CUTTING MUST BE CARRIED OUT IN THE REQUIRED TIME FRAME OF 24 TO 48 HOURS)
5. MANUFACTURED HINGE JOINTS 'TRIPSTOP' OR APPROVED EQUIVALENT SHALL BE PROVIDED AT ALL EXPANSION JOINTS AND ADJACENT TO TREES.
6. JOINTS SHALL BE TOOL FINISHED UNLESS NOTED OTHERWISE

KERBING NOTES

1. ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25 MPa U.N.O .
2. ALL KERBS, GUTTERS AND CROSSINGS TO BE CONSTRUCTED AS PER COUNCIL'S SPECIFICATION.
3. EXPANSION JOINTS (E.J) TO BE FORMED FROM 10mm COMPRESSIBLE CORK FILLER BOARD FOR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX 12m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
4. BROOMED FINISH TO ALL RAMPED AND VEHICULAR CROSSINGS.

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DRAFT DETAILED DESIGN

Title: GENERAL
GENERAL NOTES

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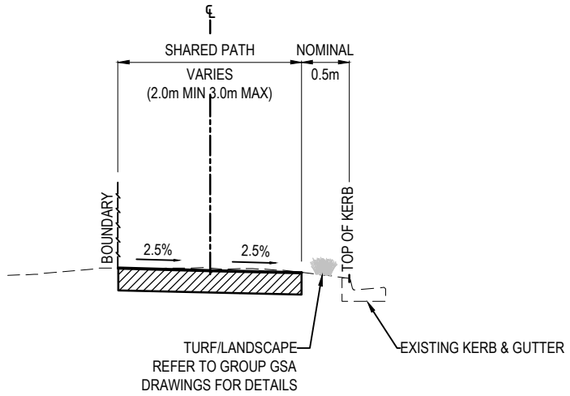
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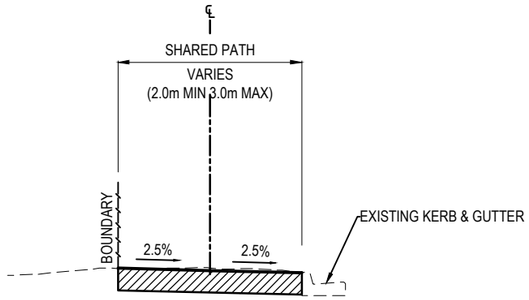
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SECTION 1
SCALE 1:100



SECTION 2
SCALE 1:100

XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-RD-TYP-XSEC
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Title: SHARED PATH ALIGNMENT AND DETAIL

TYPICAL SECTIONS

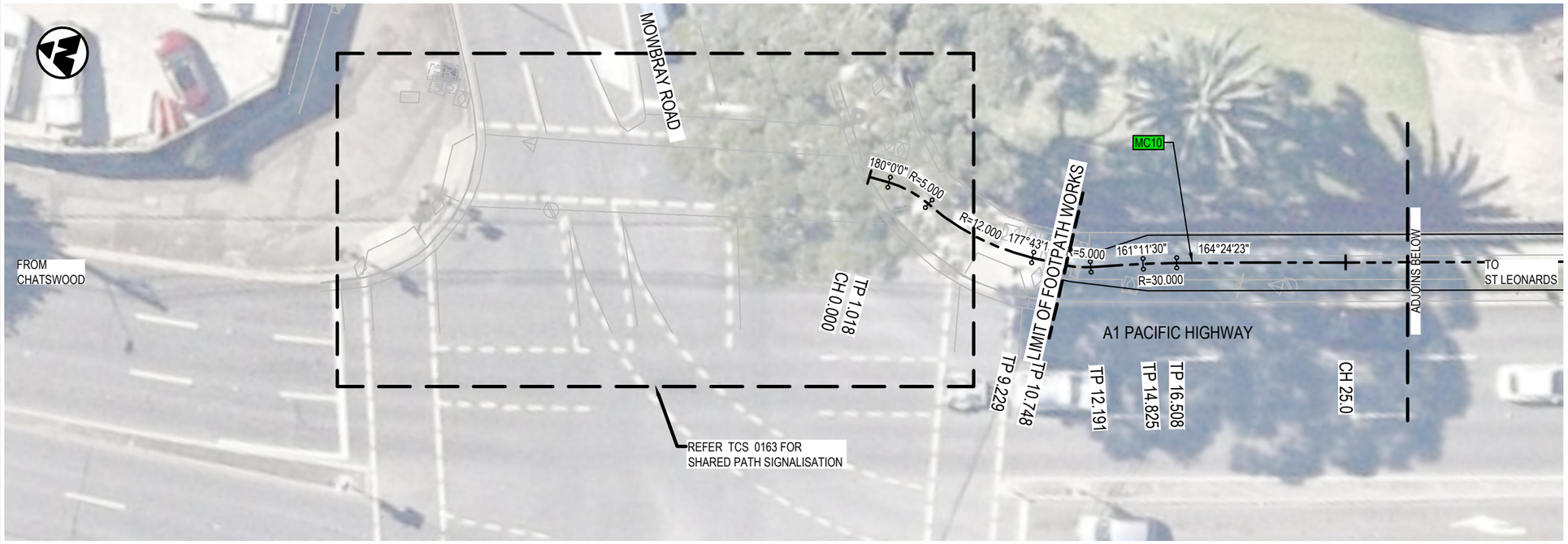
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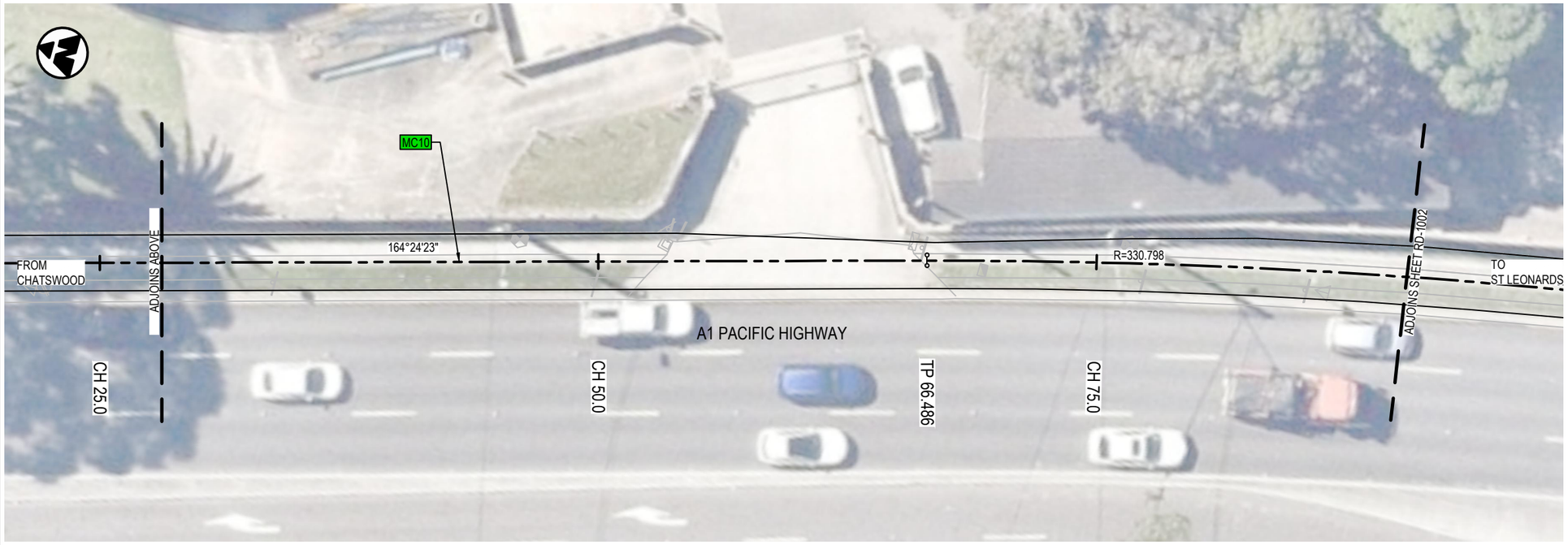
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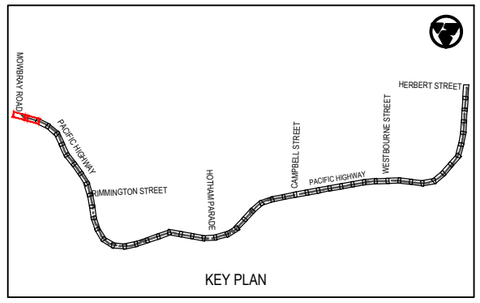
LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER



NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. RD-0031 FOR TYPICAL SECTIONS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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Tel: 02 9496 7700 Fax: 02 9439 5170
Web: www.cardno.com.au

		Date
Drawn	J.GUEVARRA	28.05.21
Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

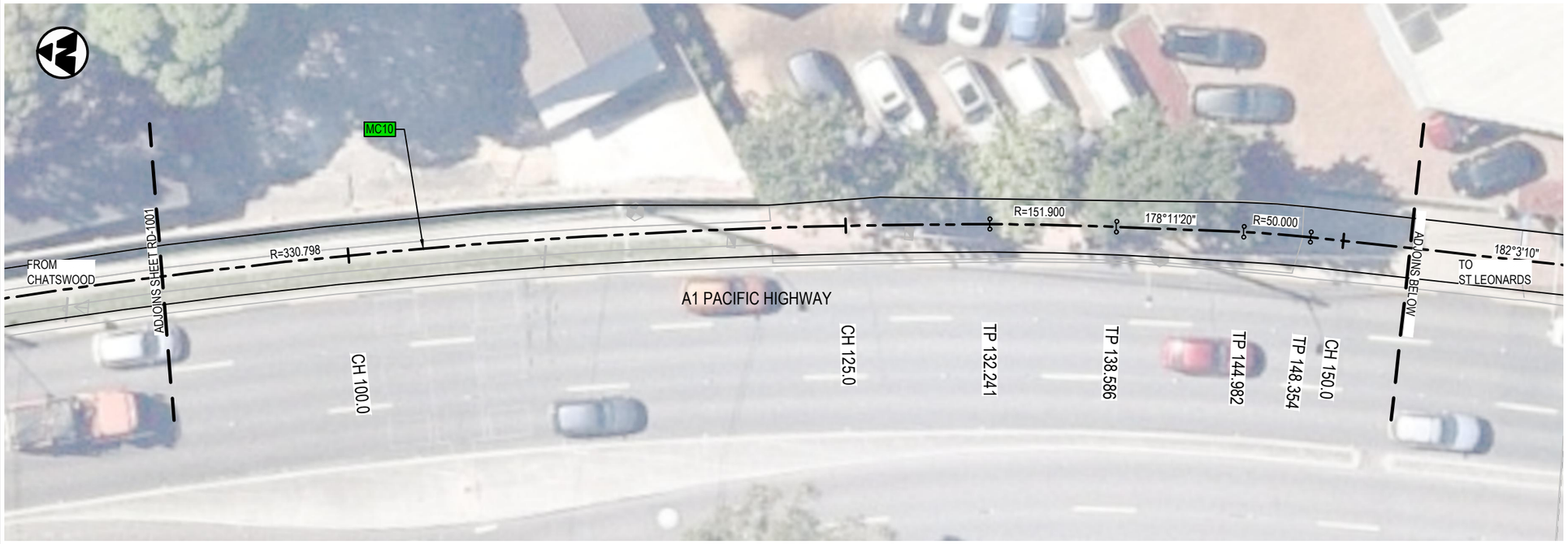
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Datum		Scale	Size
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Revision: 0

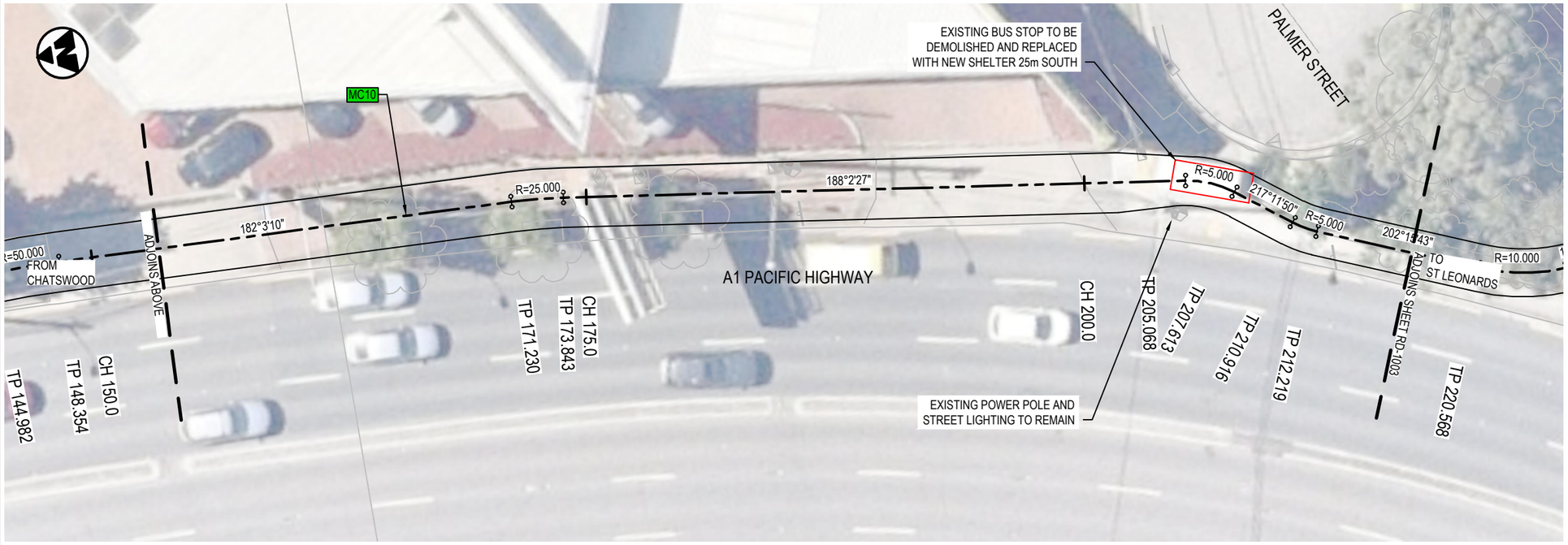
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DATE PLOTTED: 28 May 2021 12:16 PM BY: KAREN SUTTON



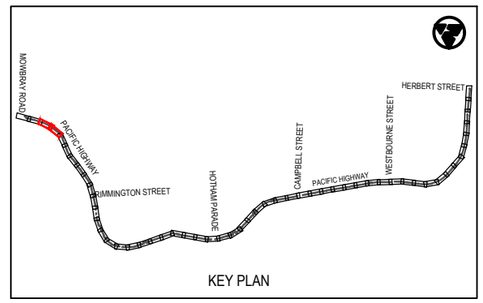
LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
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0 2.5 5 7.5 10
SCALE 1:250m

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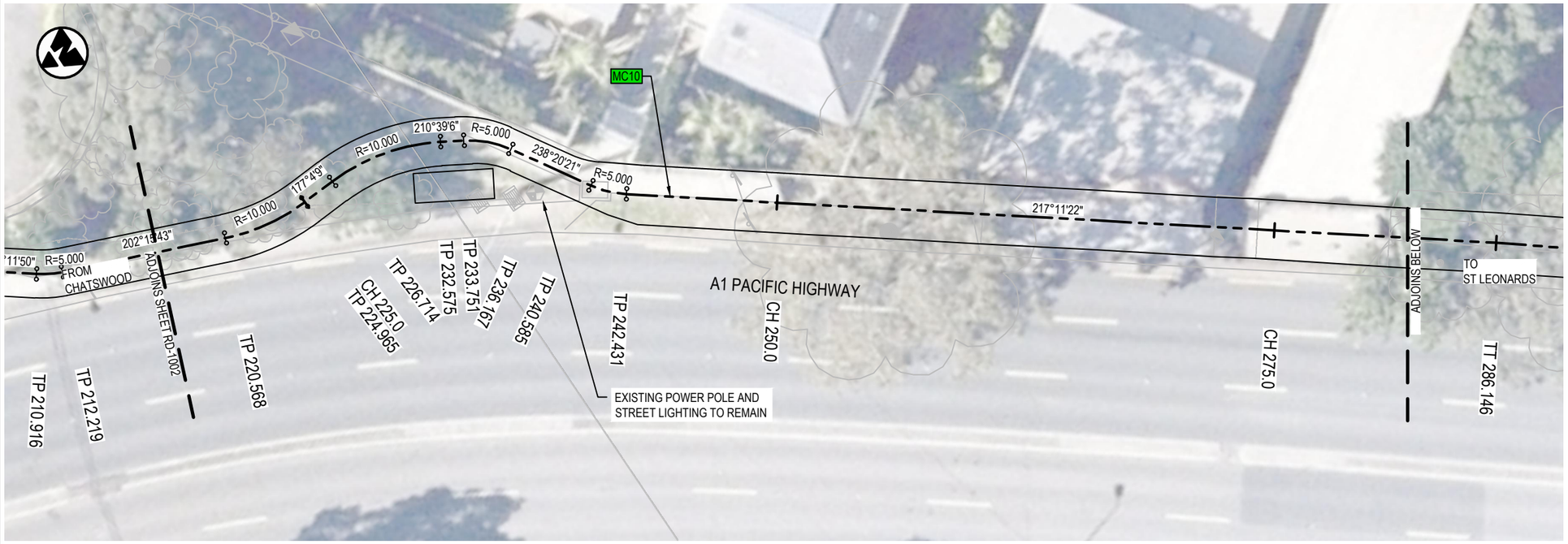
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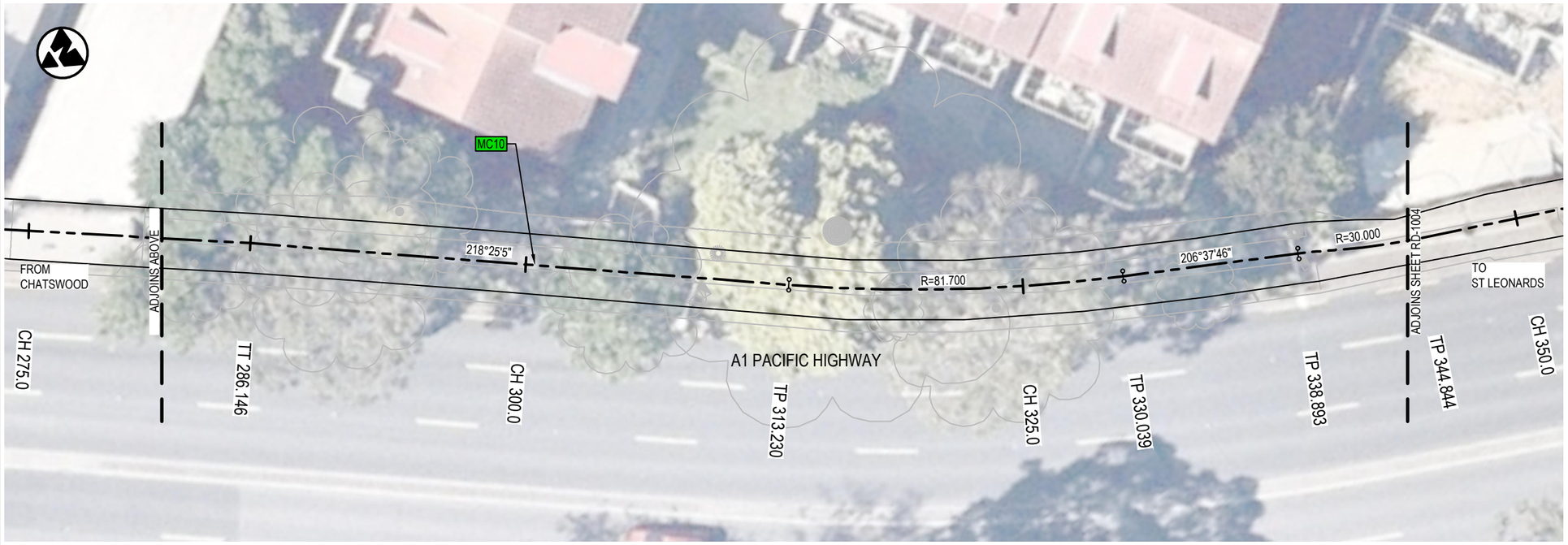
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Revision: 0

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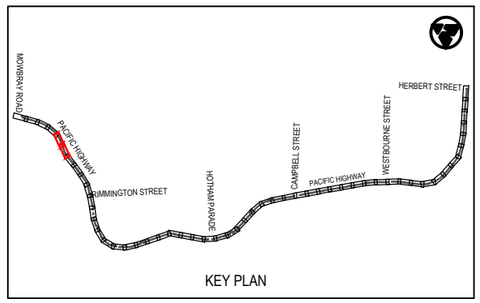


LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

NOTES:

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ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

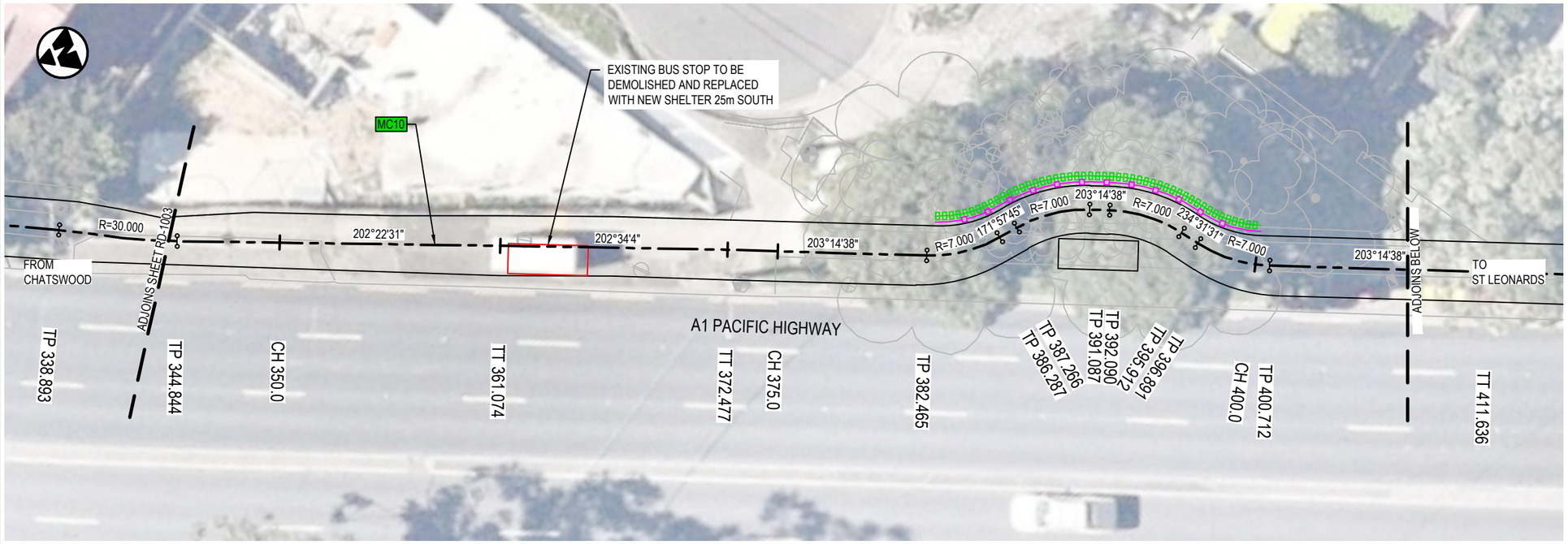
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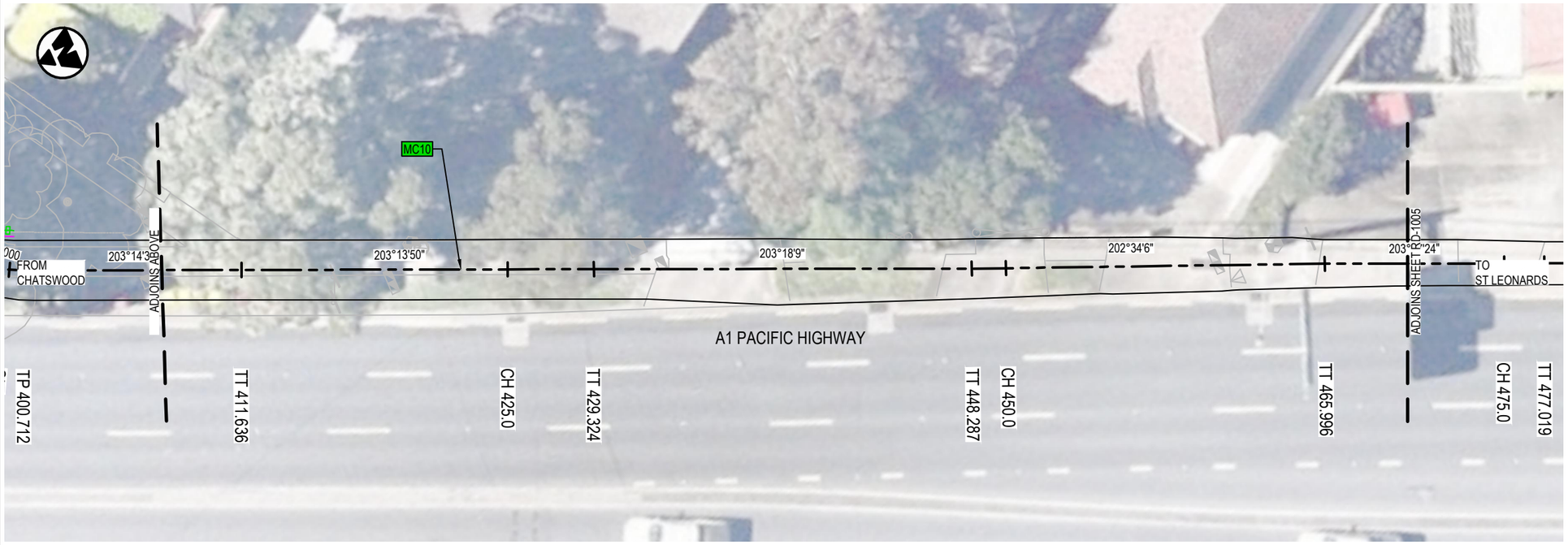
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DATE PLOTTED: 28 May 2021 12:16 PM BY: KAREN SUTTON

DATE PLOTTED: 28 May 2021 12:17 PM BY: KAREN SUTTON



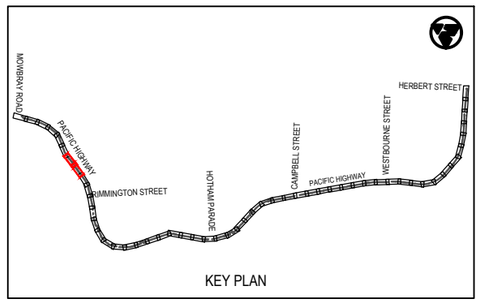


LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
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NOTES:

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ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

Status: NOT FOR CONSTRUCTION

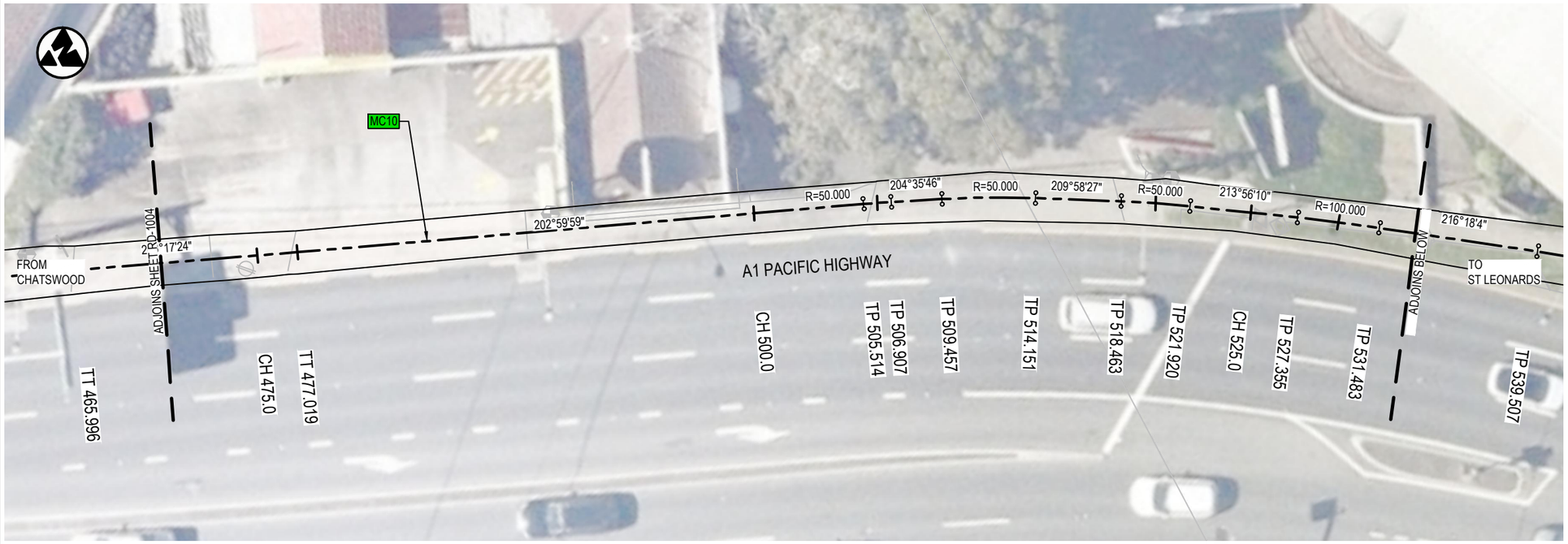
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Revision: 0

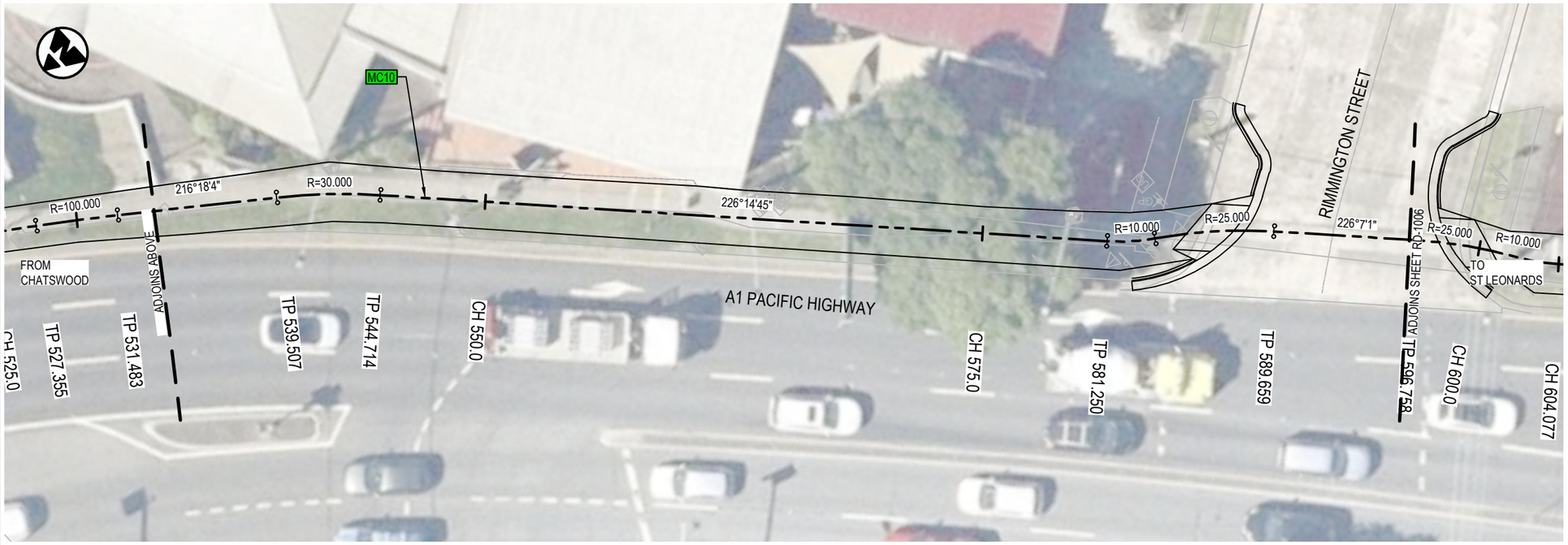
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DATE PLOTTED: 28 May 2021 12:17 PM BY: KAREN SUTTON



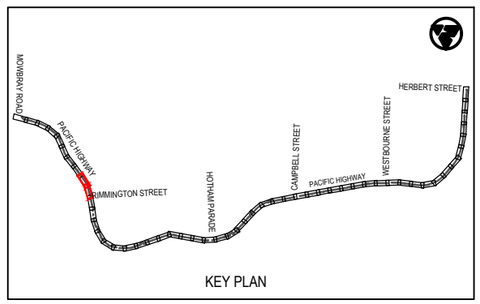
LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
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- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER



NOTES:

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0 2.5 5 7.5 10
SCALE 1:250m

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ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

Status: NOT FOR CONSTRUCTION

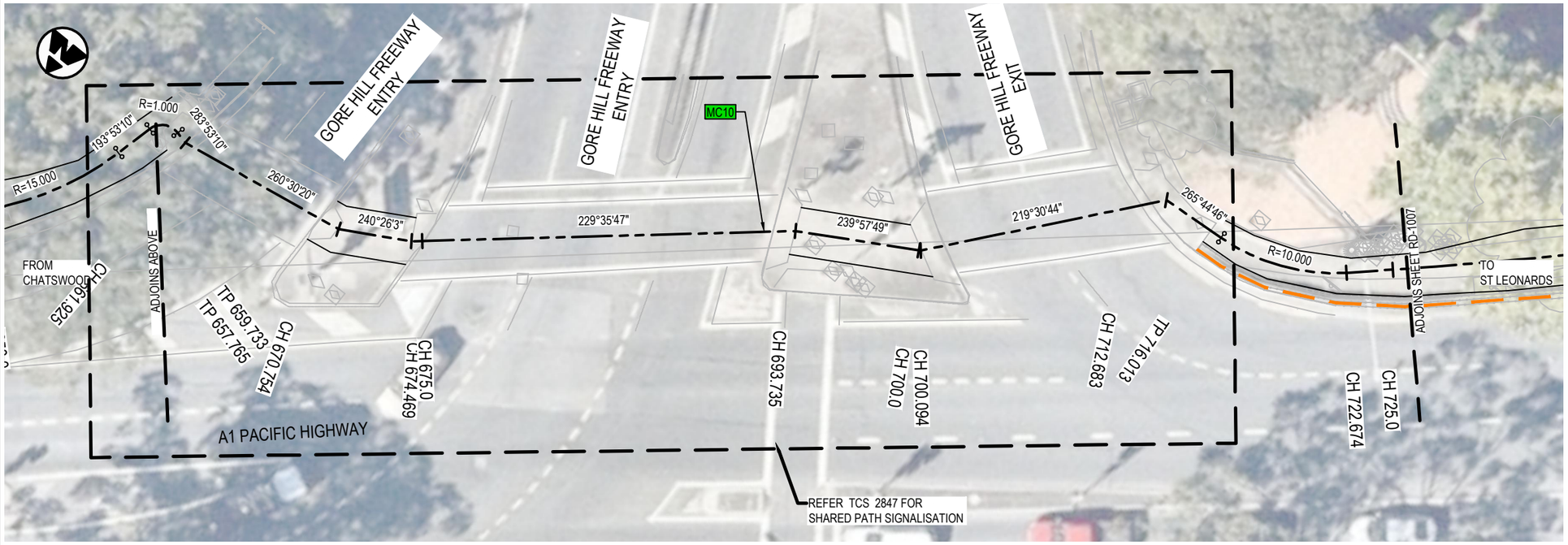
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Revision: 0

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DATE PLOTTED: 28 May 2021 12:17 PM BY: KAREN SUTTON



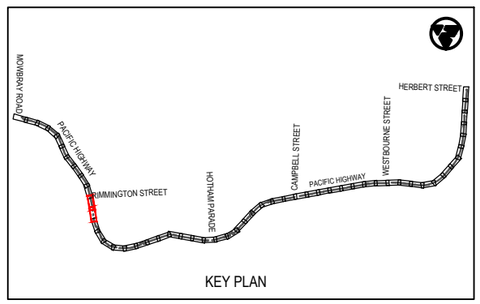


LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
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Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

Status: NOT FOR CONSTRUCTION

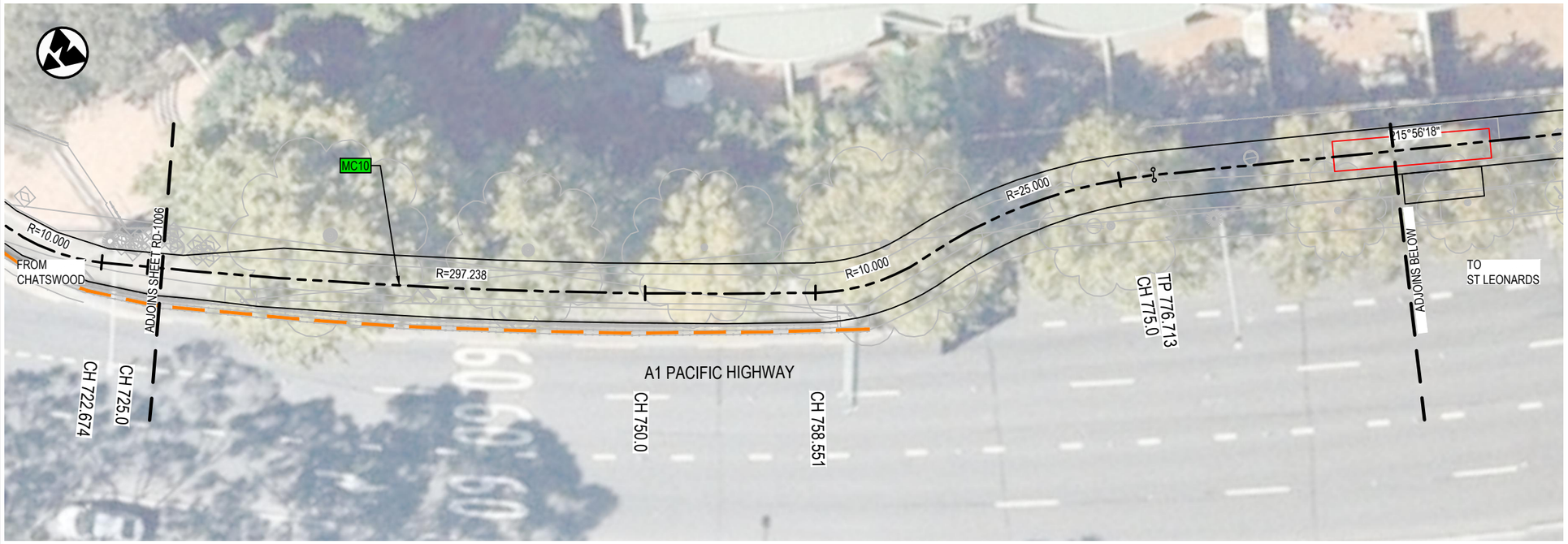
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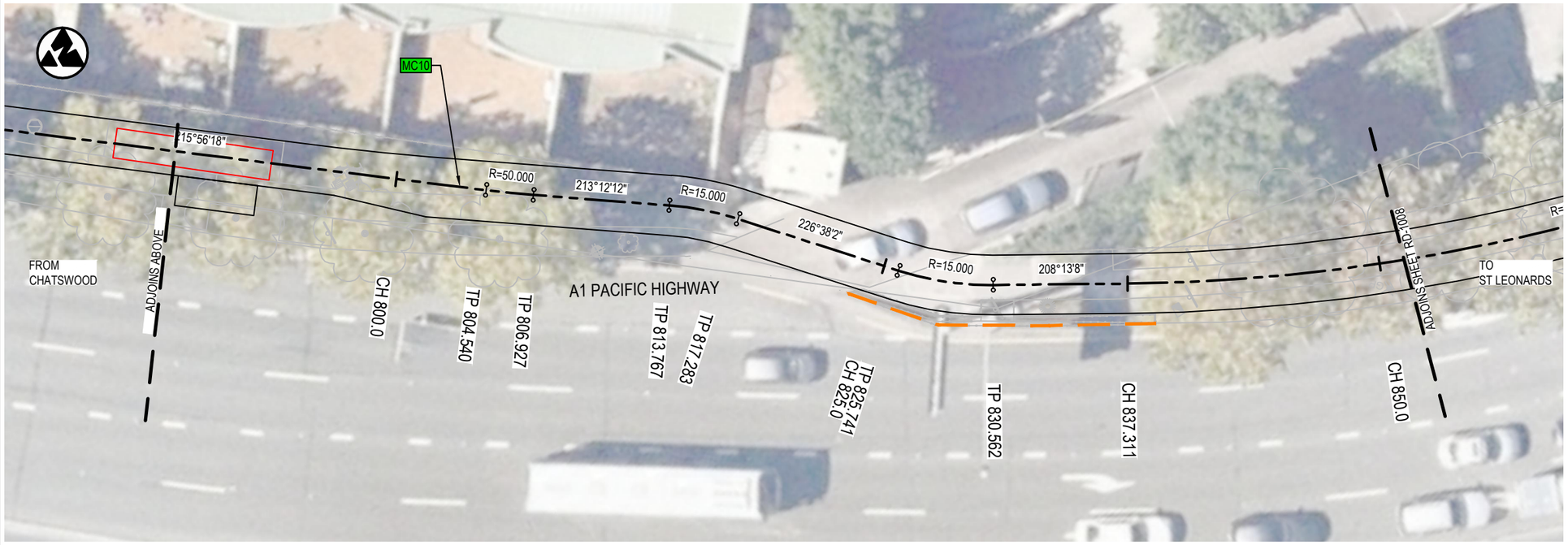
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Revision: 0

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DATE PLOTTED: 28 May 2021 12:18 PM BY: KAREN SUTTON



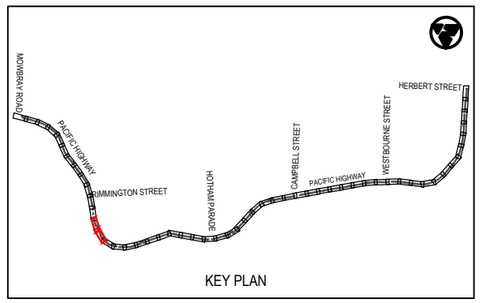


LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
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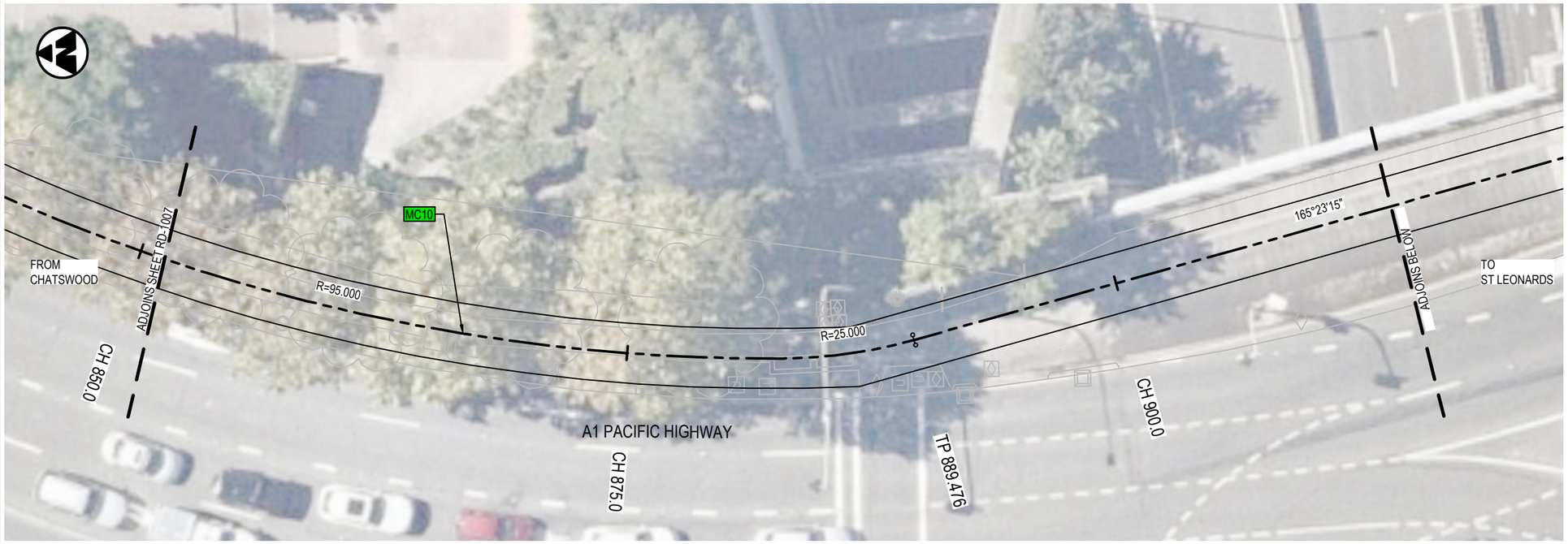
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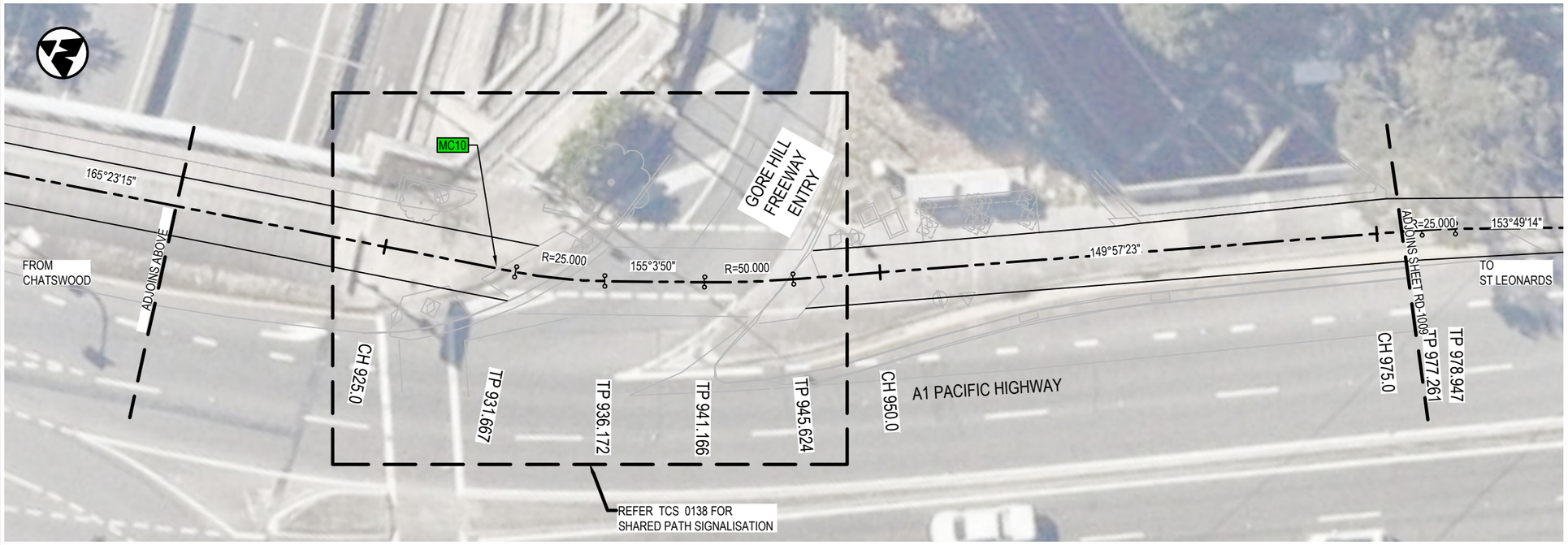
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Revision: 0

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DATE PLOTTED: 28 May 2021 12:18 PM BY: KAREN SUTTON



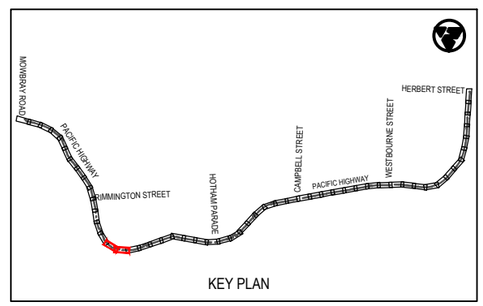


LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. RD-0031 FOR TYPICAL SECTIONS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

SCALE 1:250m

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Web: www.cardno.com.au

		Date
Drawn	J.GUEVARRA	28.05.21
Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

Status: NOT FOR CONSTRUCTION

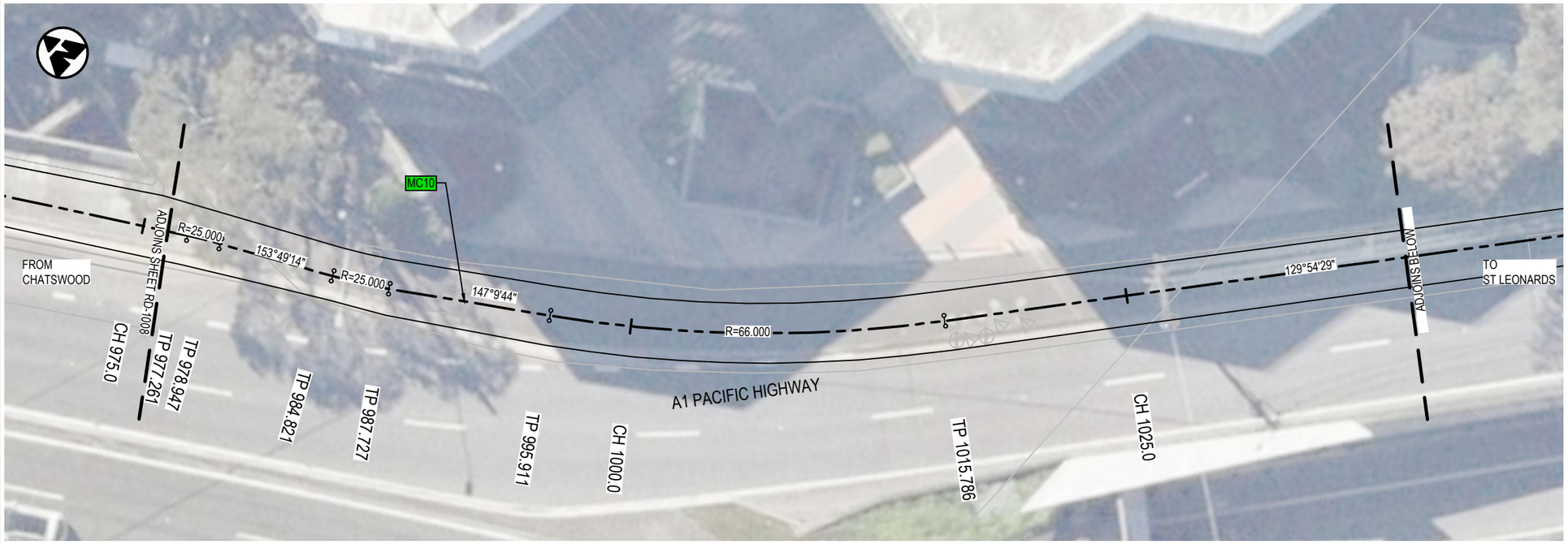
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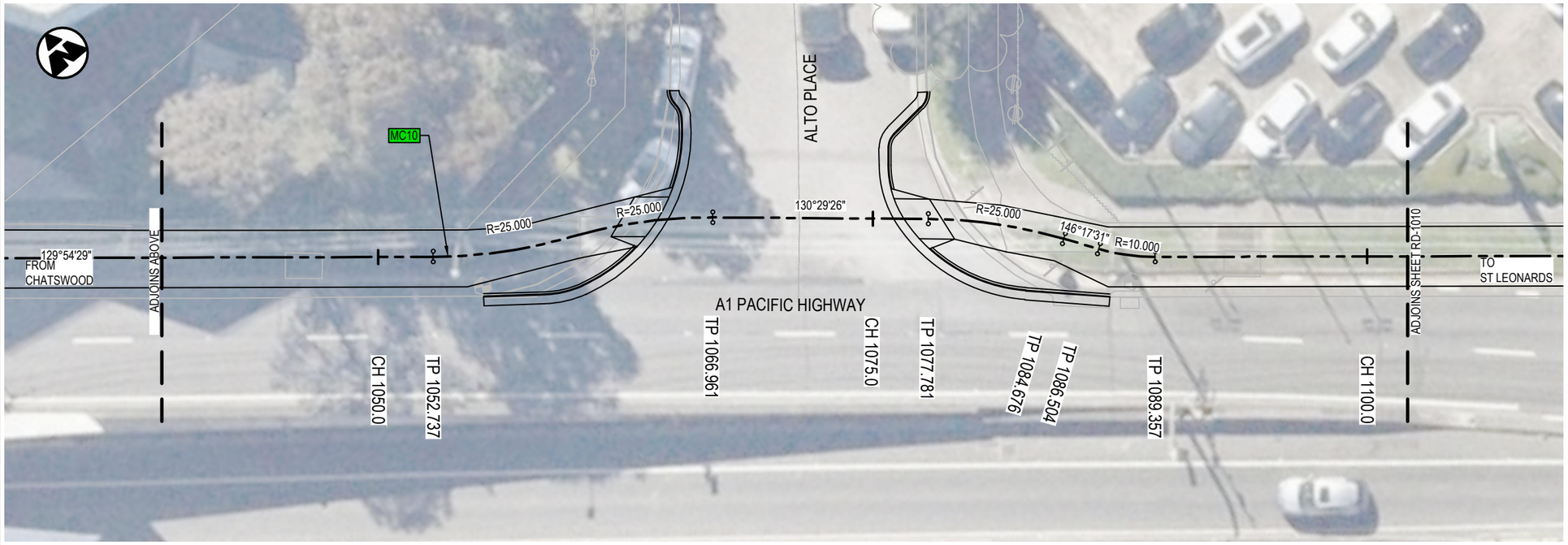
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Revision: 0

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DATE PLOTTED: 28 May 2021 12:18 PM BY: KAREN SUTTON



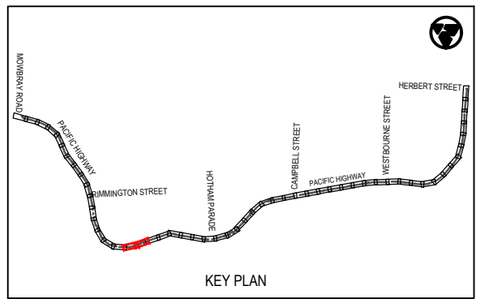


LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. RD-0031 FOR TYPICAL SECTIONS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
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0 2.5 5 7.5 10
SCALE 1:250m

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Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
AHD	9 of 27	1:250m	A3

Drawing Number: 80221028-DRG-R1-RD-1009
Revision: 0

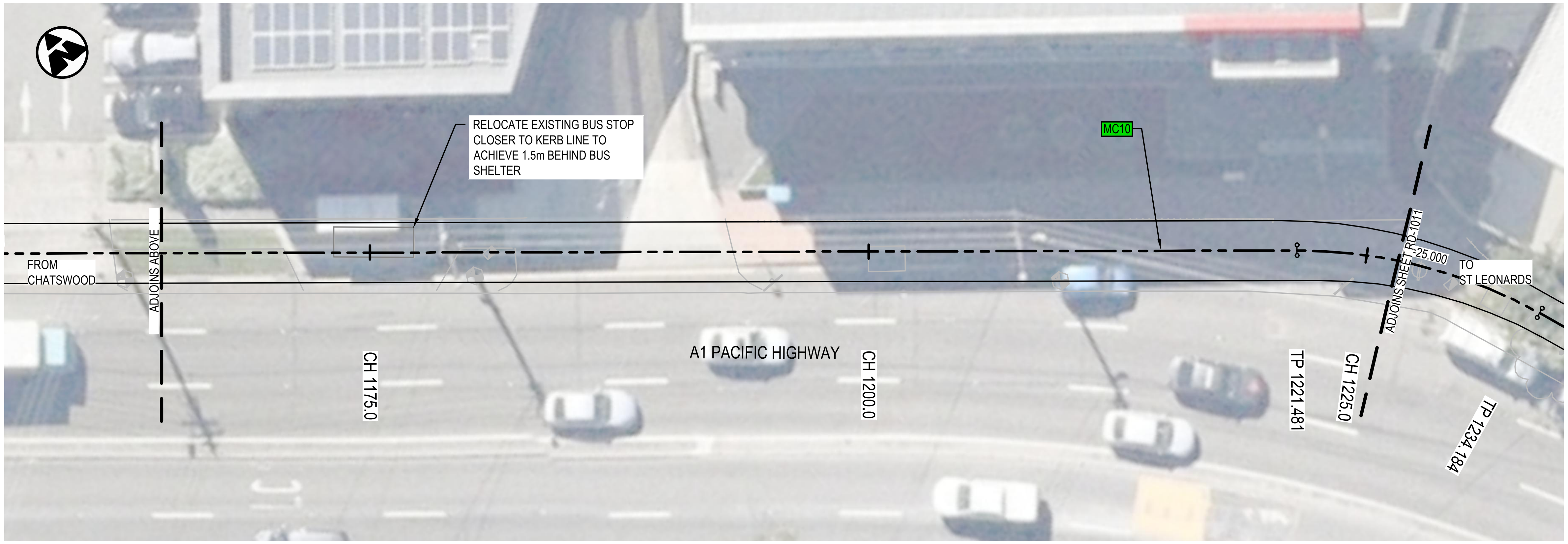
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DATE PLOTTED: 28 May 2021 12:19 PM BY : KAREN SUTTON



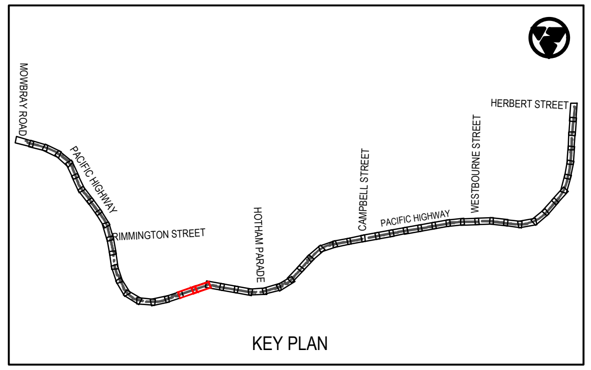
LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER



NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. RD-0031 FOR TYPICAL SECTIONS.



XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RD; XRF-R1-RD-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-SU-AERIAL-IMG; XRF-R1-RD-DESN-CTRL; XRF-R1-RD-DESN-CAD

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Rev	Date	Description	Des.	Verif.	Appd.
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Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

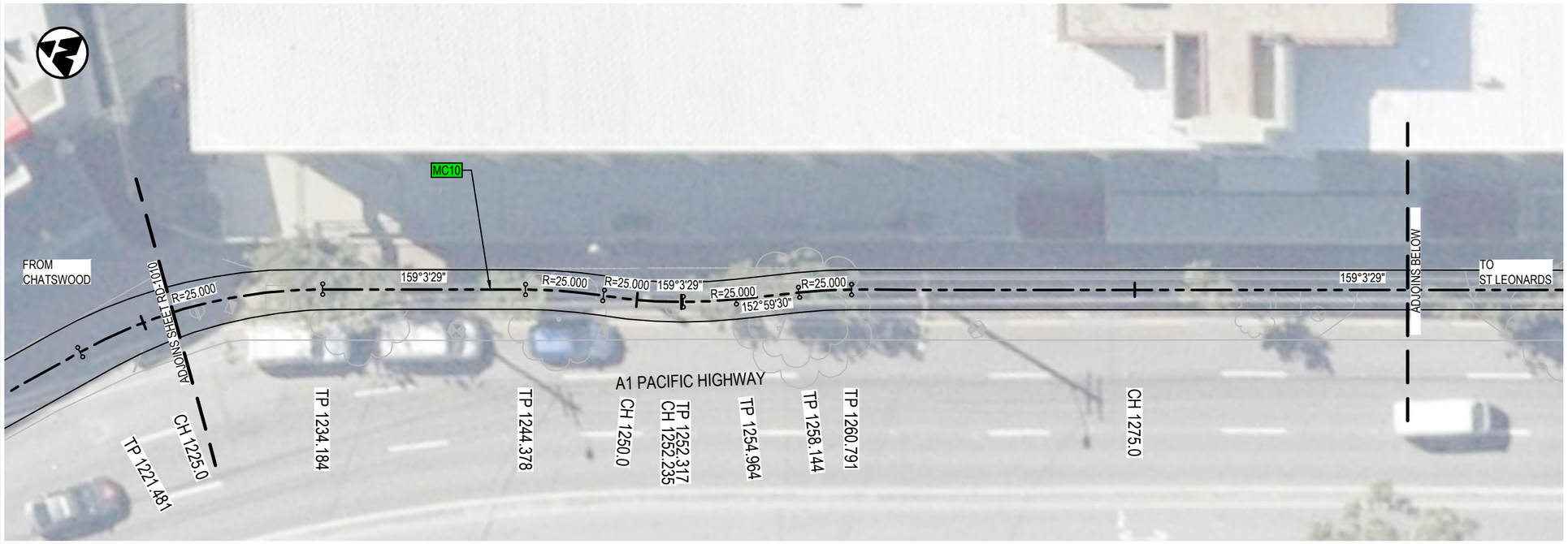
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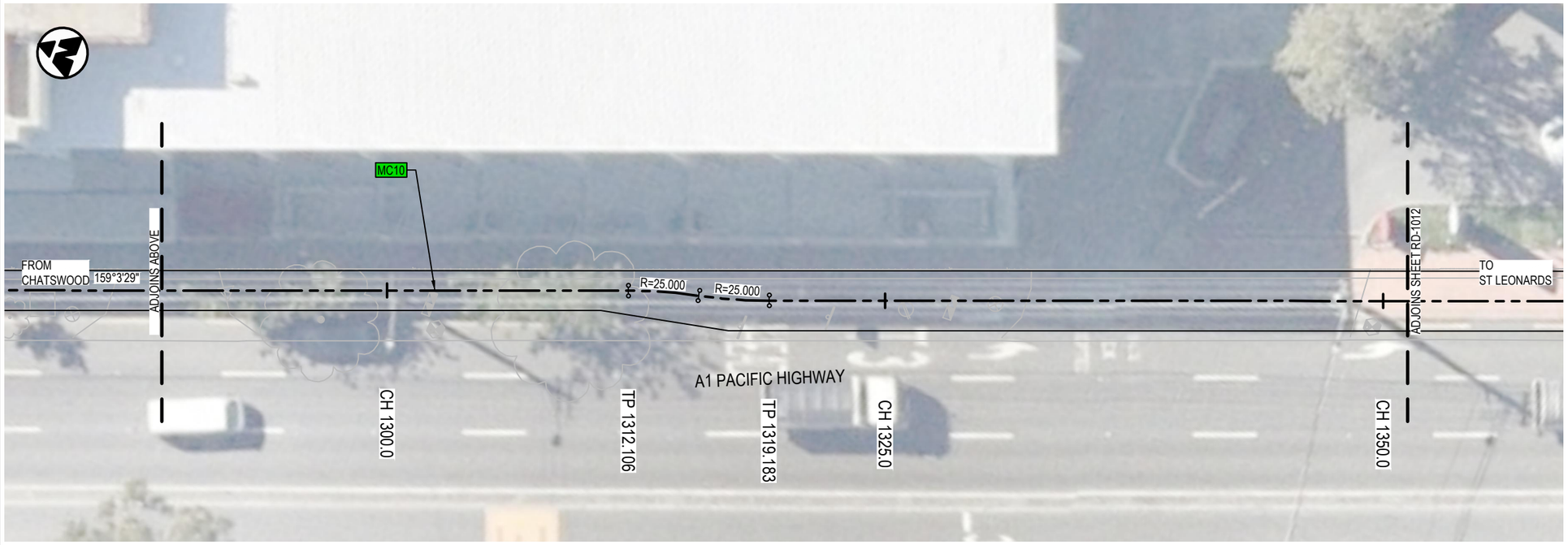
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DATE PLOTTED: 28 May 2021 12:19 PM BY: KAREN SUTTON



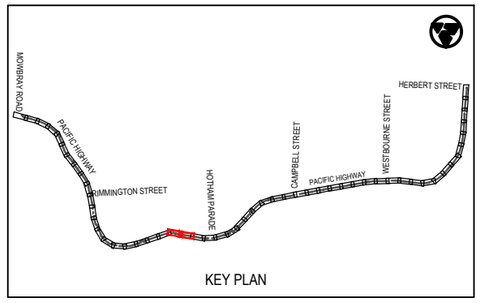


LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. RD-0031 FOR TYPICAL SECTIONS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
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Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

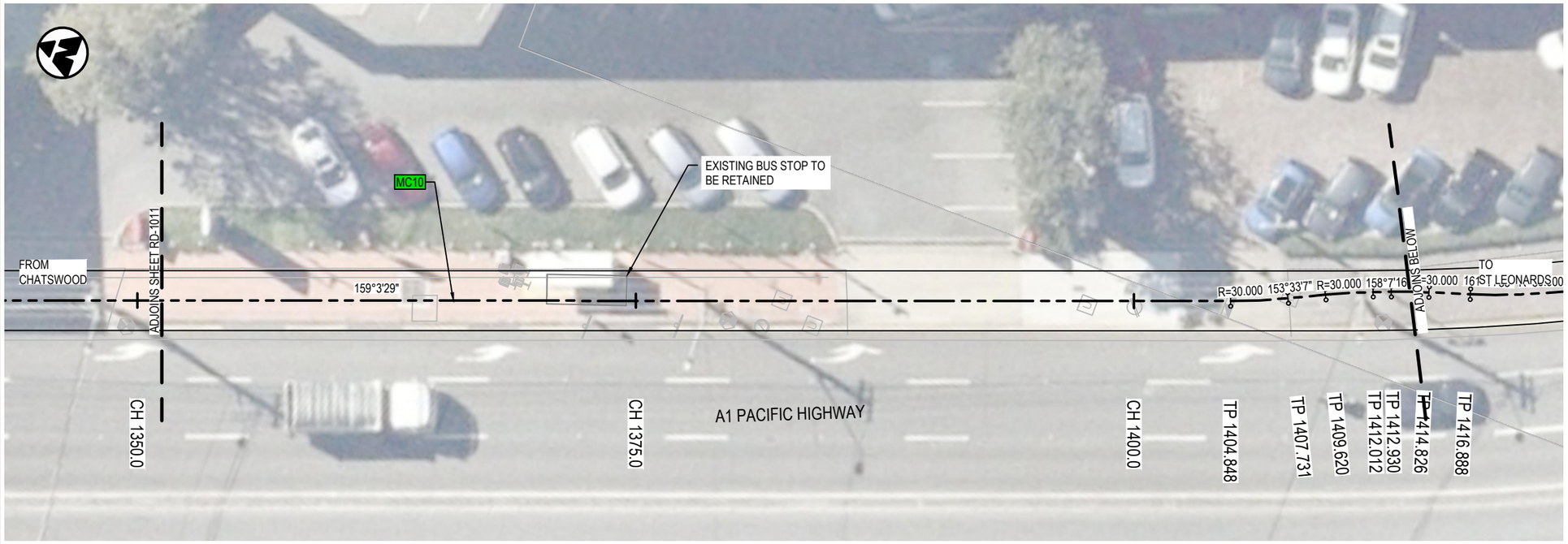
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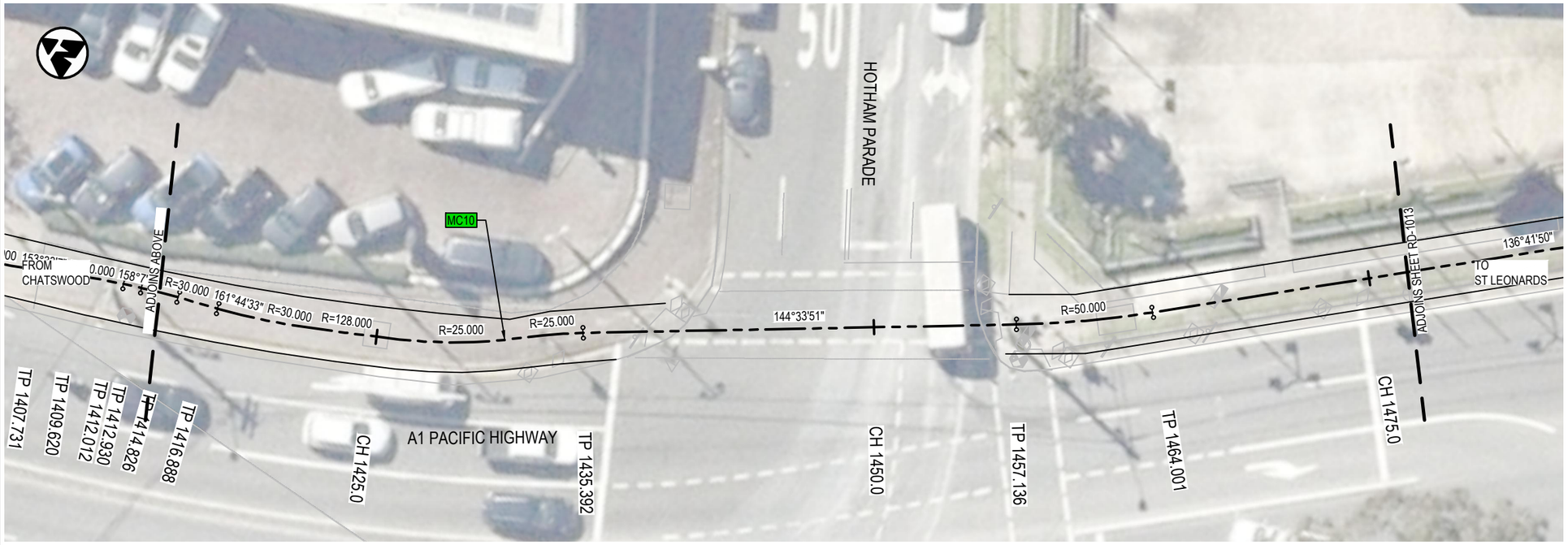
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Revision: 0

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DATE PLOTTED: 28 May 2021 12:19 PM BY: KAREN SUTTON



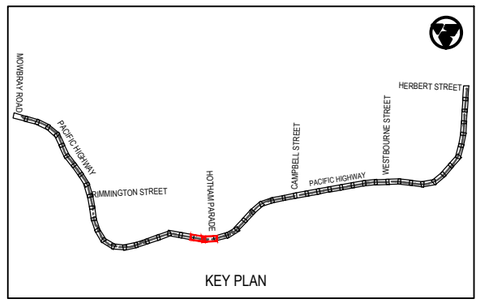


LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

NOTES:

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2. REFER TO DRAWING No. RD-0031 FOR TYPICAL SECTIONS.



KEY PLAN

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Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

Status: NOT FOR CONSTRUCTION

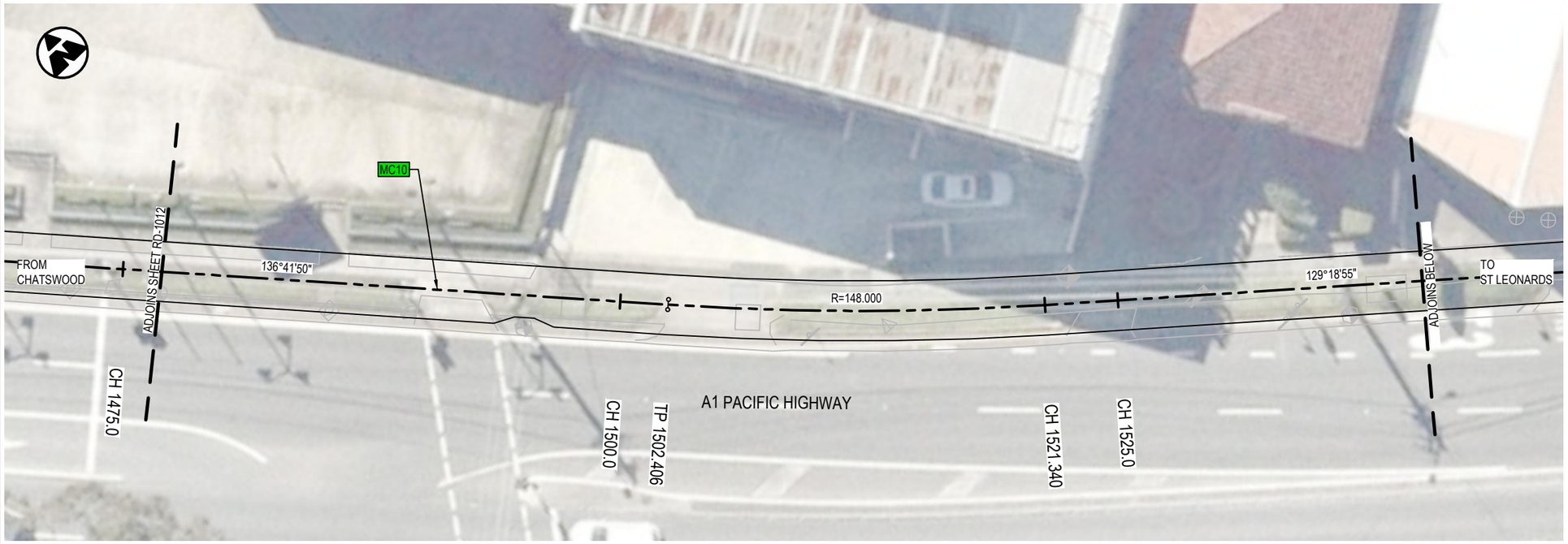
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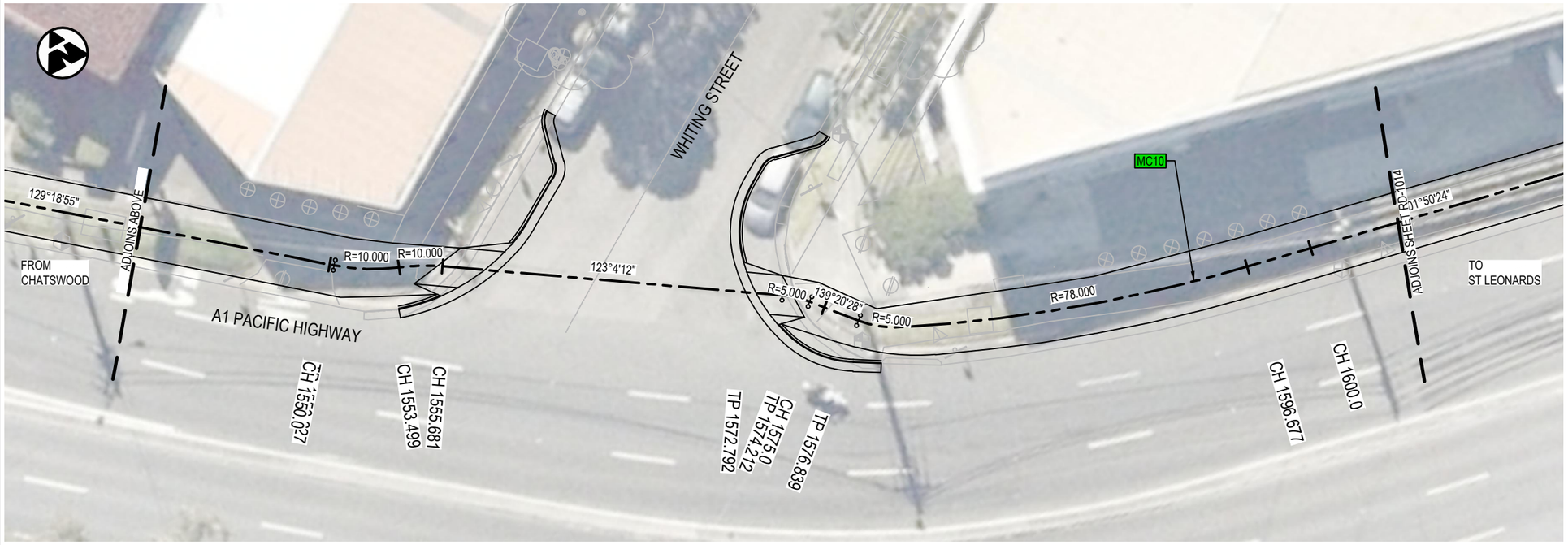
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Revision: 0

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DATE PLOTTED: 28 May 2021 12:20 PM BY: KAREN SUTTON



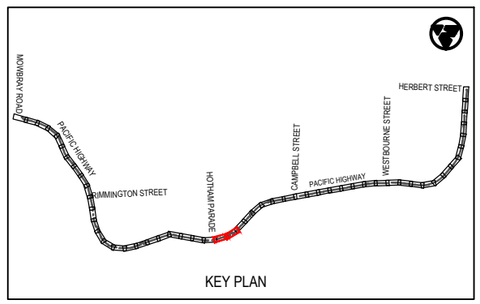


LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
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Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

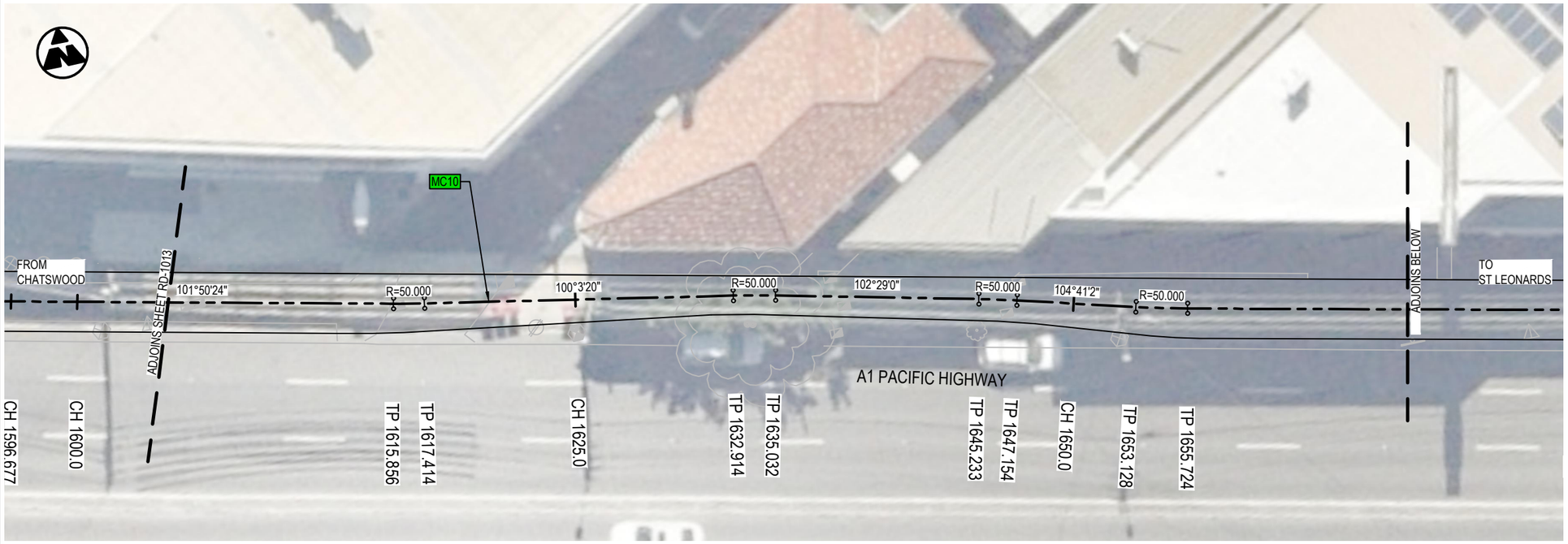
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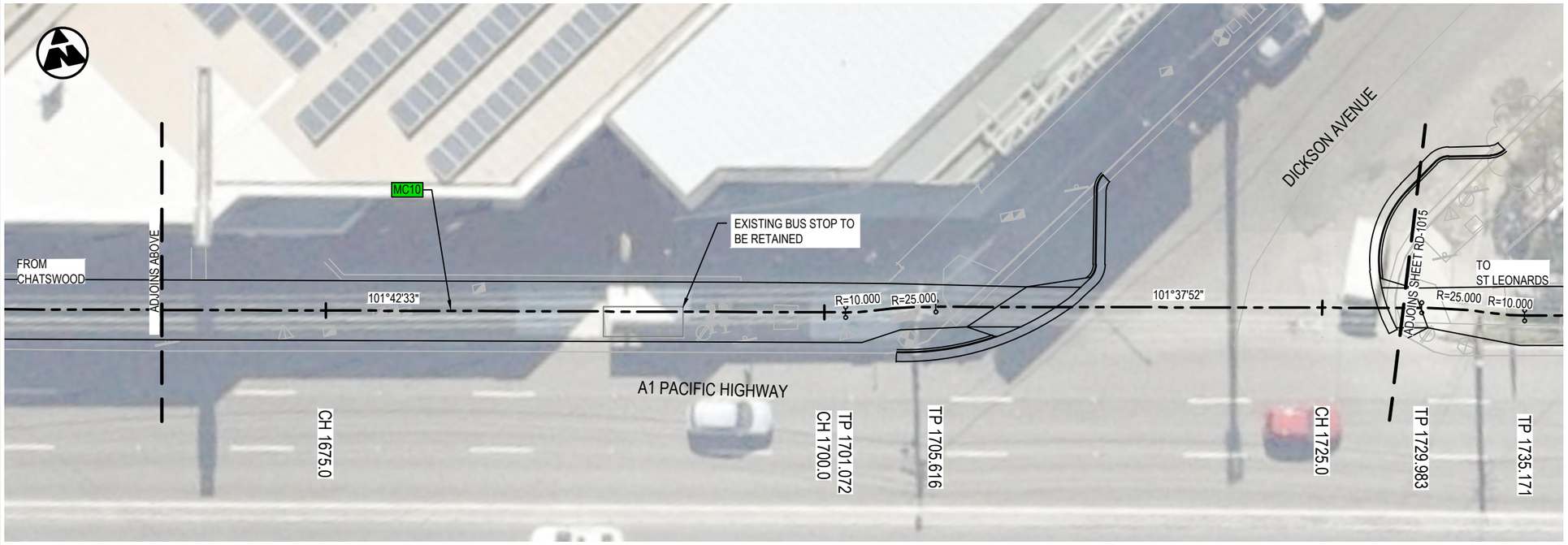
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Revision: 0

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DATE PLOTTED: 28 May 2021 12:20 PM BY: KAREN SUTTON



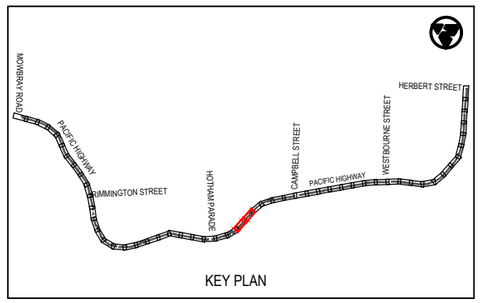


LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
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ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

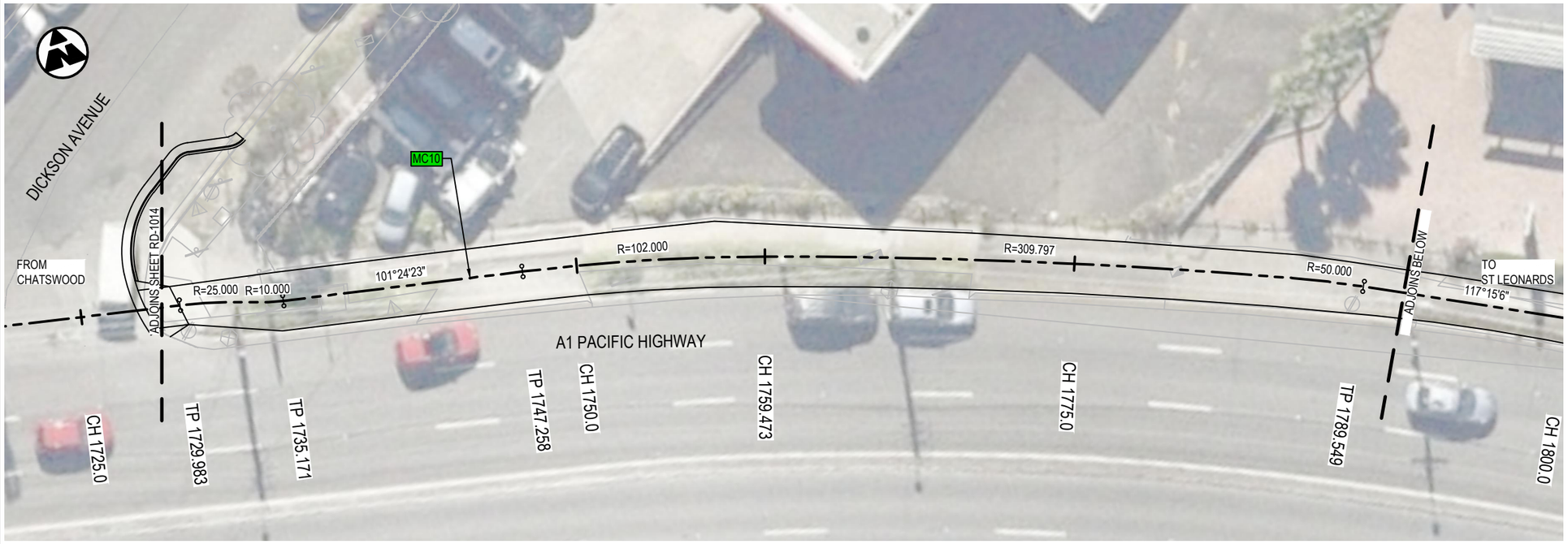
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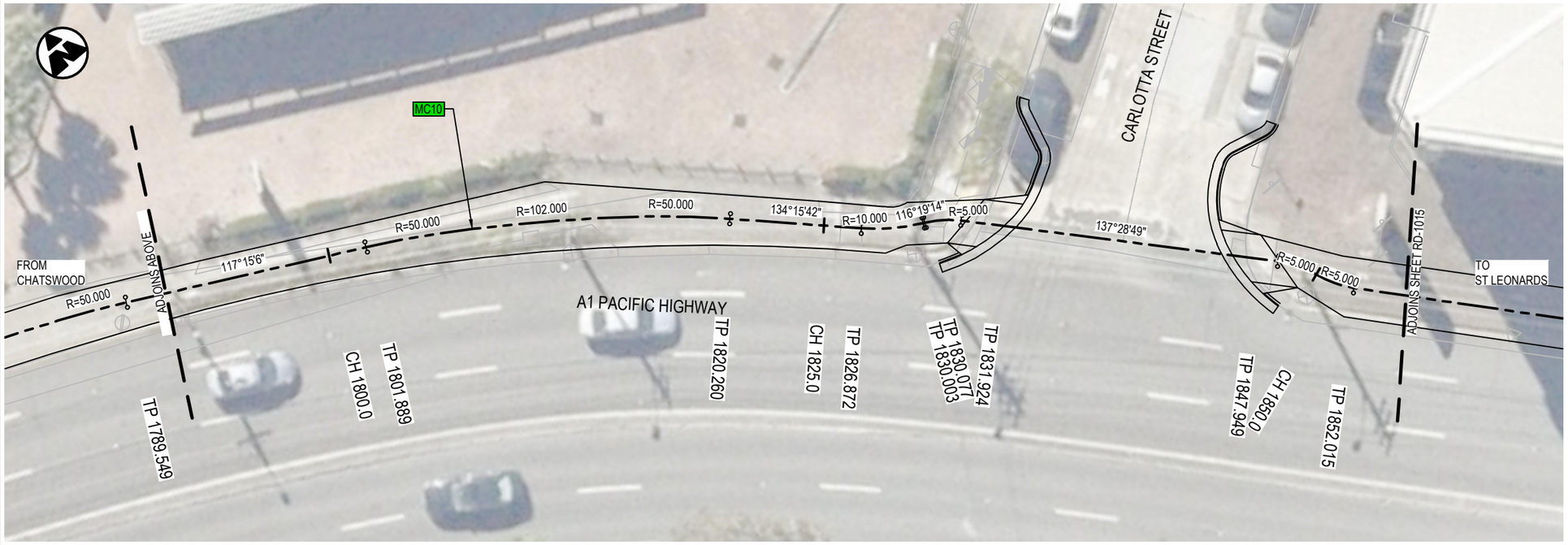
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Drawing Number: 80221028-DRG-R1-RD-1014
Revision: 0

XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RD; XRF-R1-RD-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-SU-SURVMSTR; XRF-R1-RD-DESN-PLAN; XRF-SU-AERIAL-IMG; XRF-R1-RD-DESN-CTRL; XRF-R1-RD-DESN-CTRL; XRF-R1-RD-DESN-CAD
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DATE PLOTTED: 28 May 2021 12:21 PM BY: KAREN SUTTON



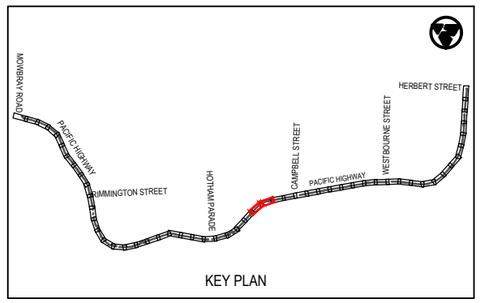


LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. RD-0031 FOR TYPICAL SECTIONS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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		Date
Drawn	J.GUEVARRA	28.05.21
Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

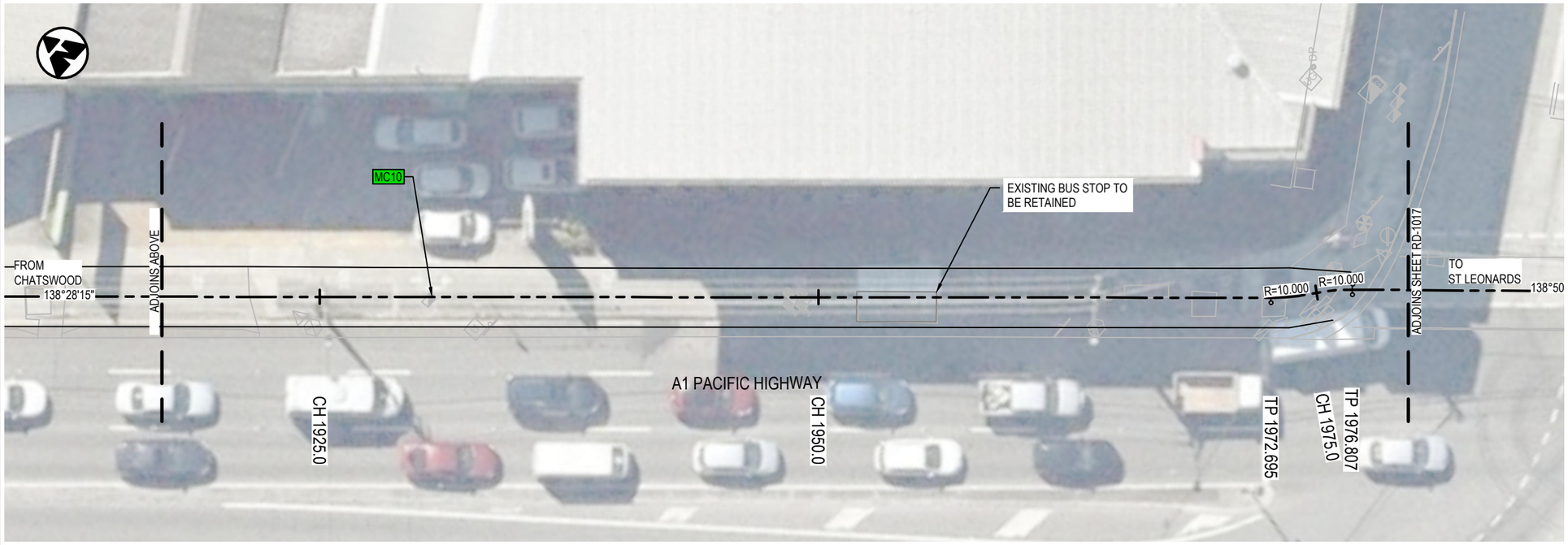
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Drawing Number: 80221028-DRG-R1-RD-1015
Revision: 0

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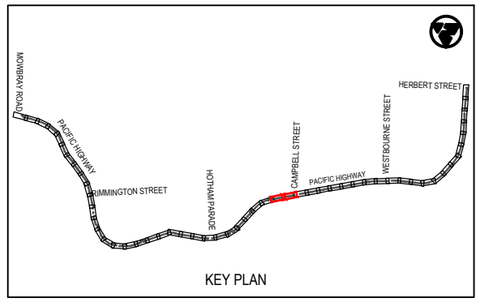


LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. RD-0031 FOR TYPICAL SECTIONS.



KEY PLAN

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Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

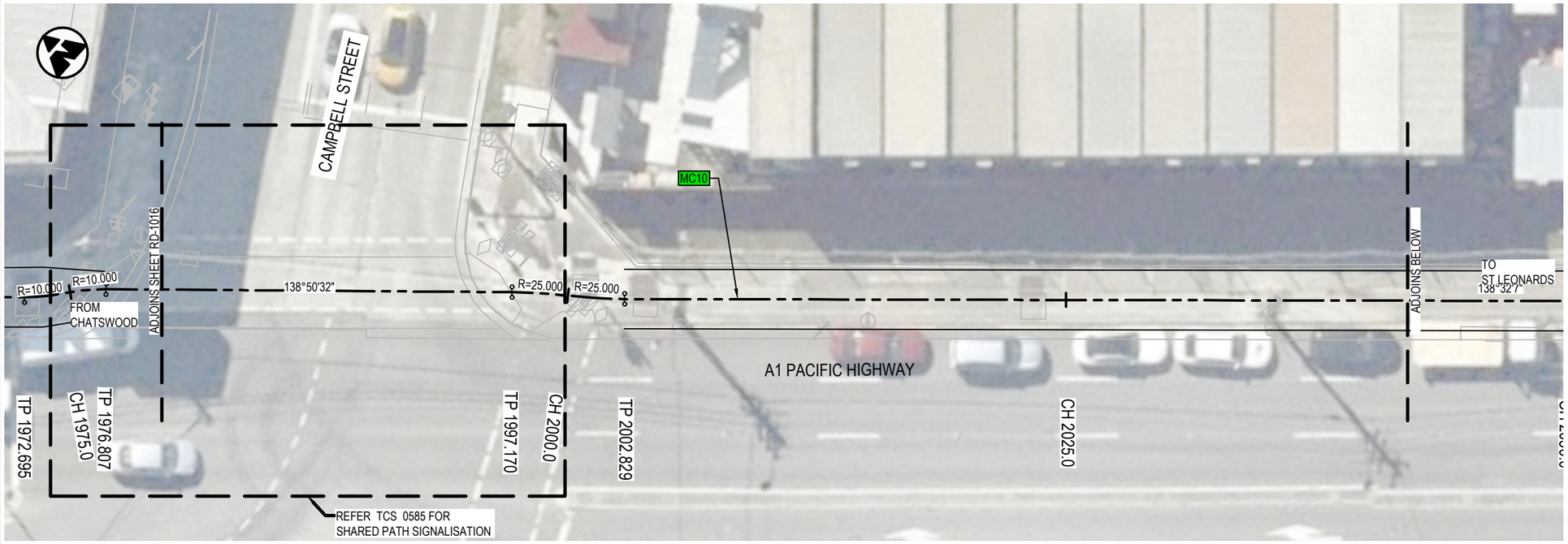
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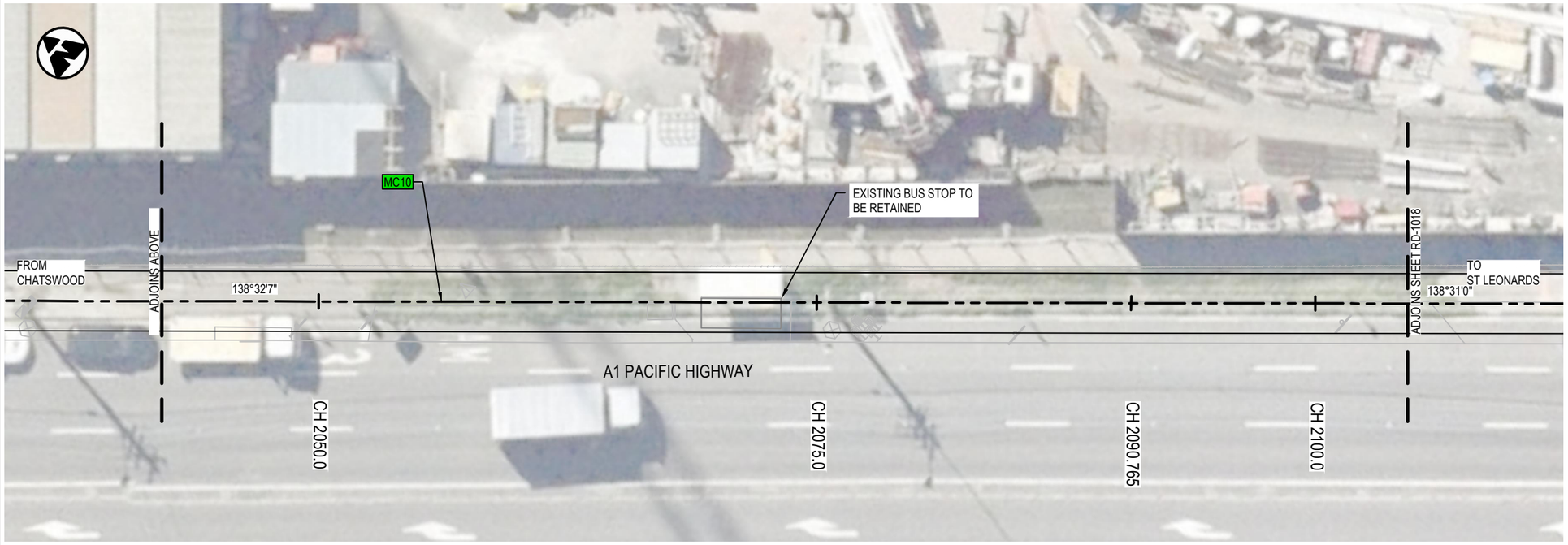
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Revision: 0

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DATE PLOTTED: 28 May 2021 12:21 PM BY: KAREN SUTTON



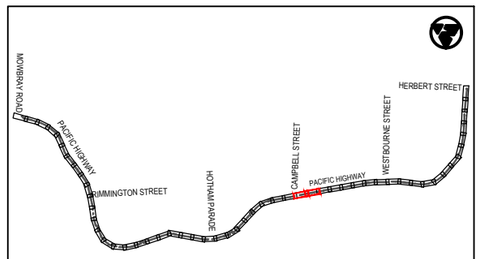


LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. RD-0031 FOR TYPICAL SECTIONS.



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Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

Status: NOT FOR CONSTRUCTION

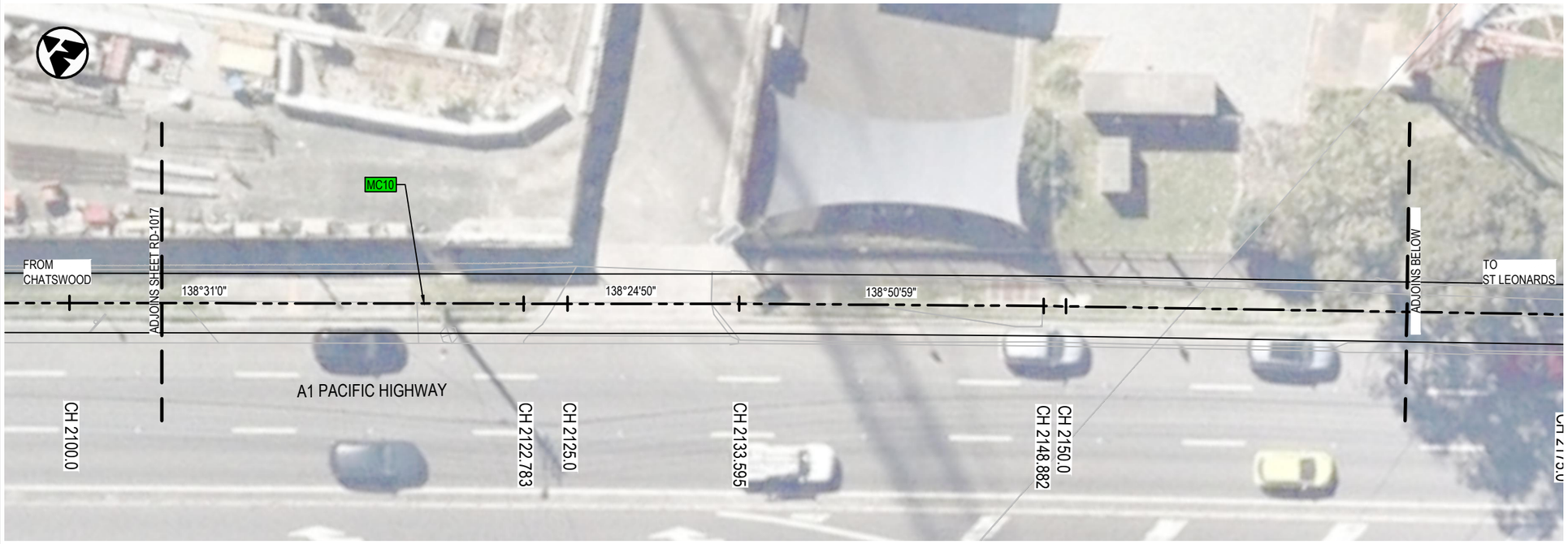
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Drawing Number: 80221028-DRG-R1-RD-1017

Revision: 0

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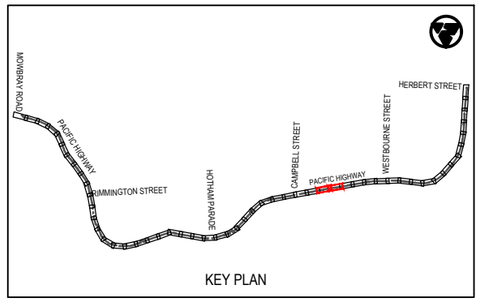


LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. RD-0031 FOR TYPICAL SECTIONS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
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Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

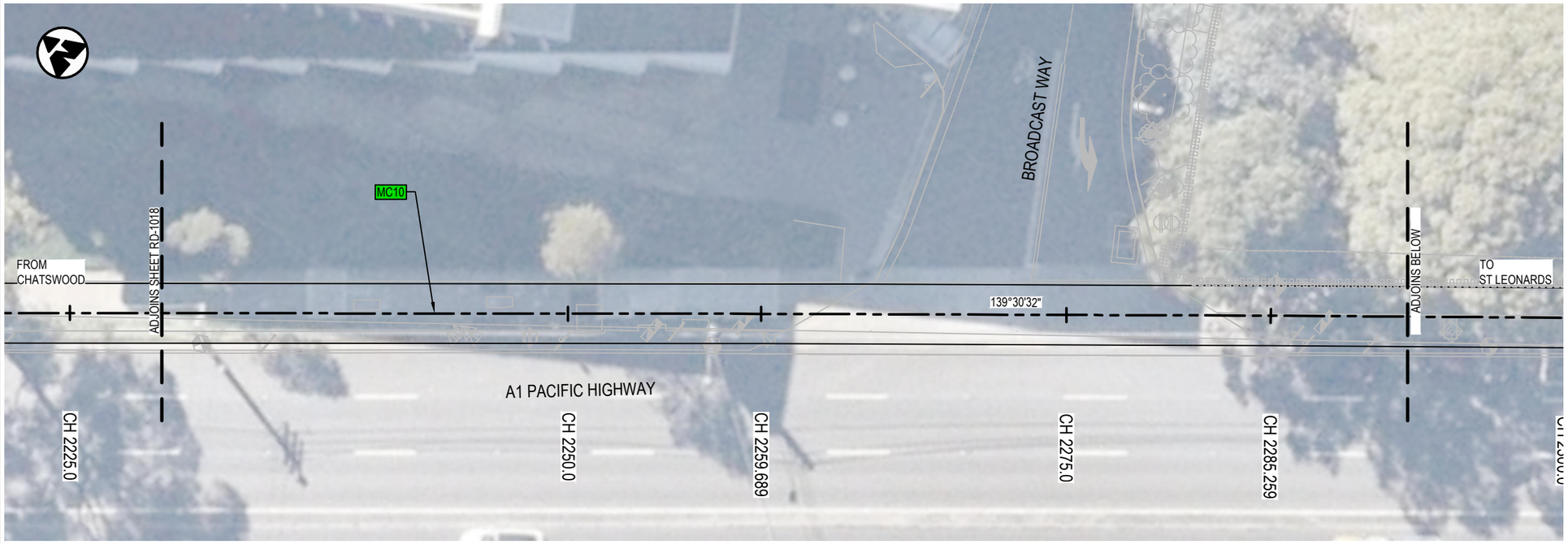
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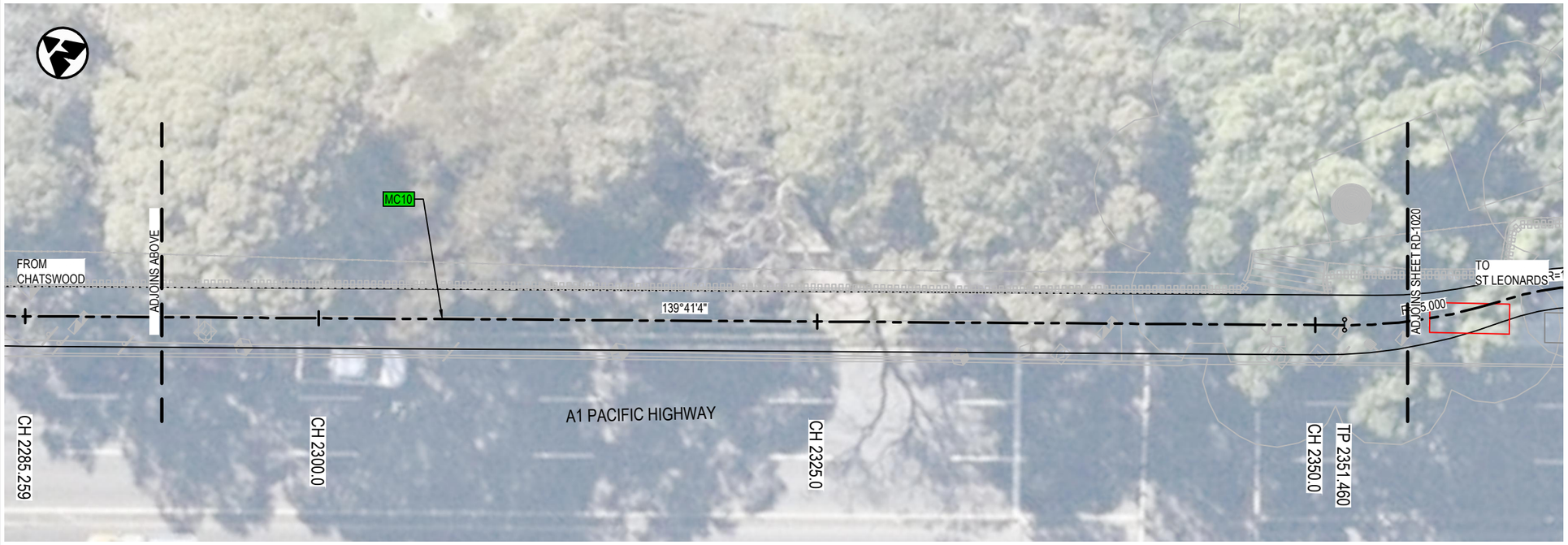
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Revision: 0

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DATE PLOTTED: 28 May 2021 12:22 PM BY: KAREN SUTTON



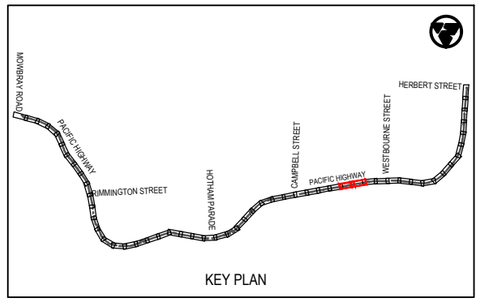


LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

NOTES:

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2. REFER TO DRAWING No. RD-0031 FOR TYPICAL SECTIONS.



KEY PLAN

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Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

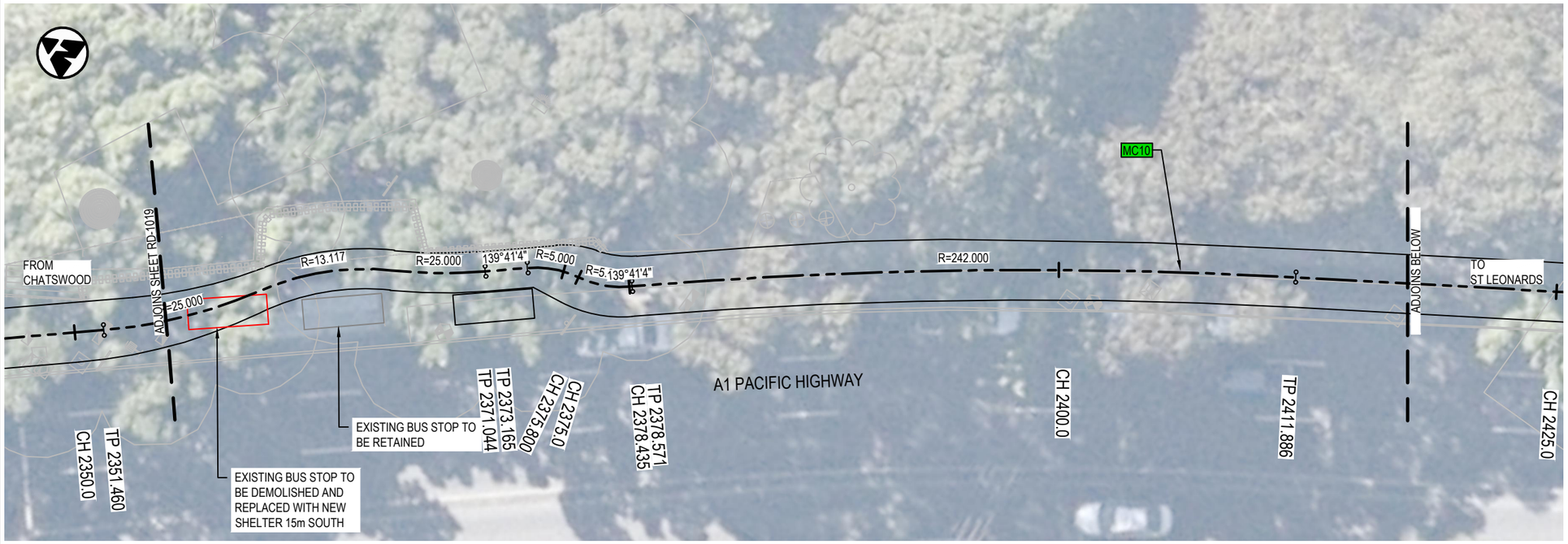
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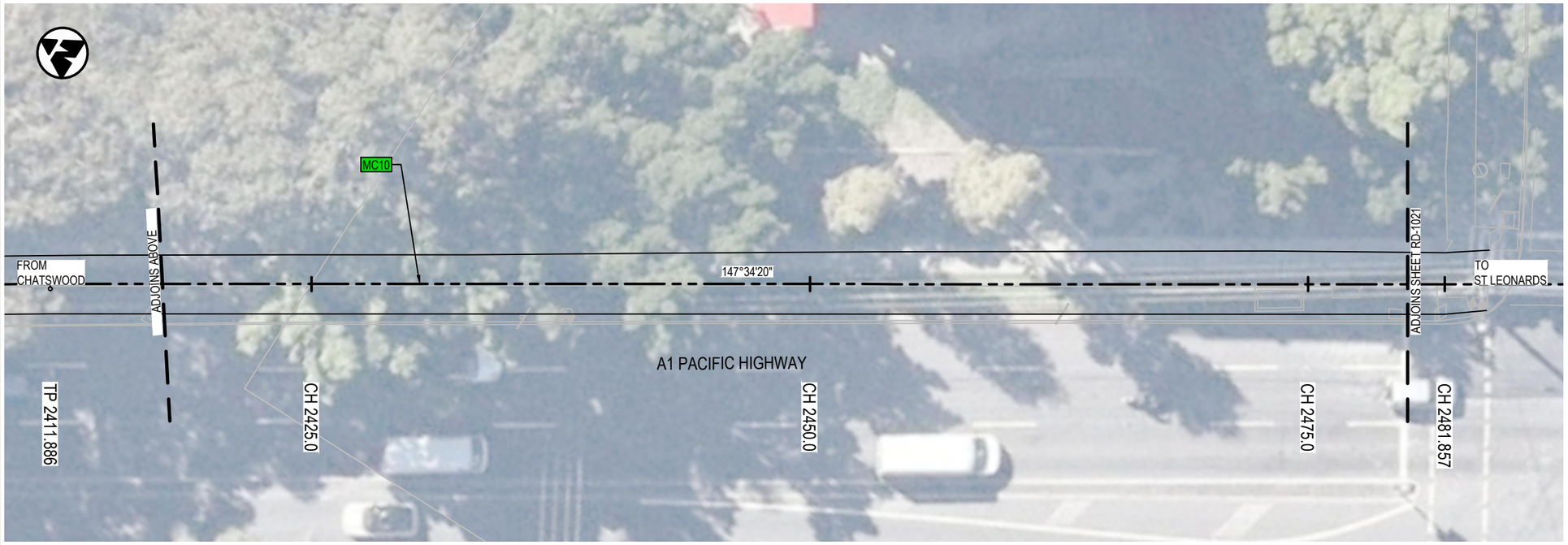
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Drawing Number: 80221028-DRG-R1-RD-1019
Revision: 0

XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RD; XRF-R1-RD-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-SU-AERIAL-IMG; XRF-R1-RD-DESN-CTRL; XRF-R1-RD-DESN-CTRL
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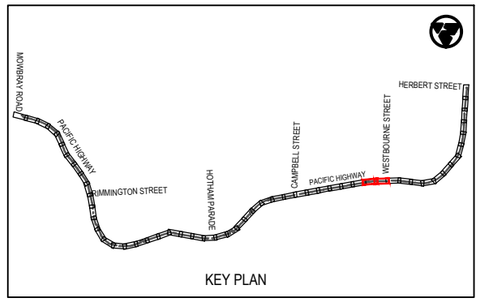


LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

NOTES:

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Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

Status: NOT FOR CONSTRUCTION

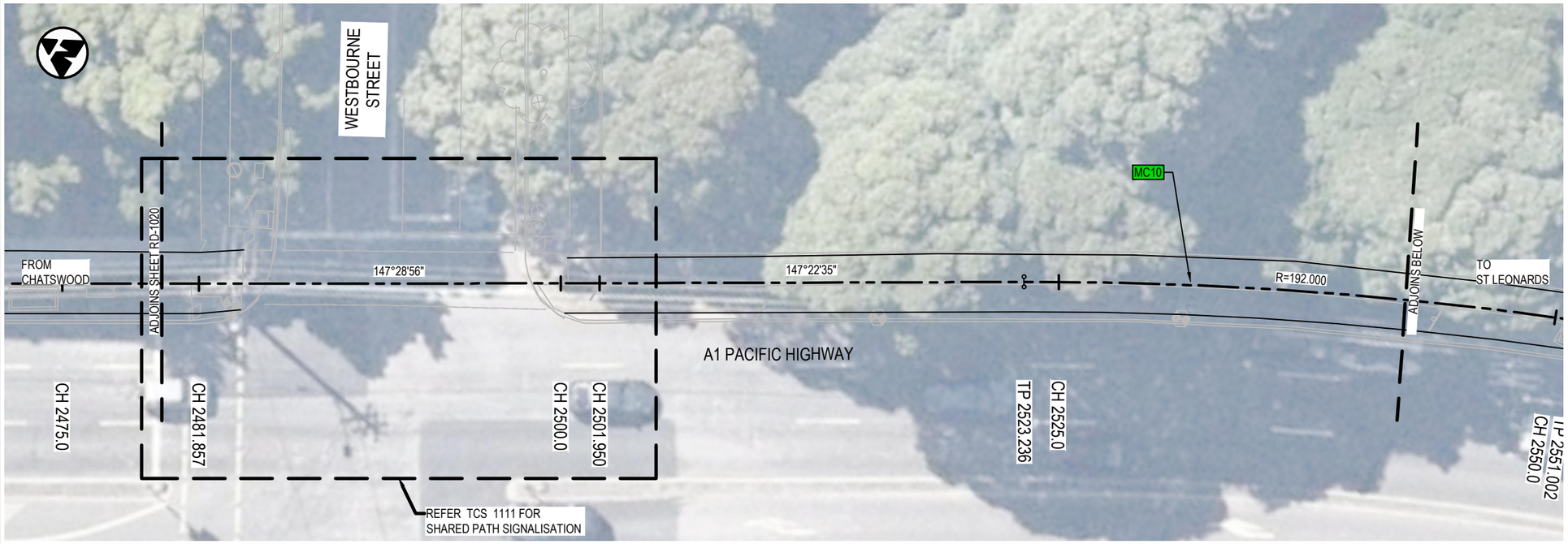
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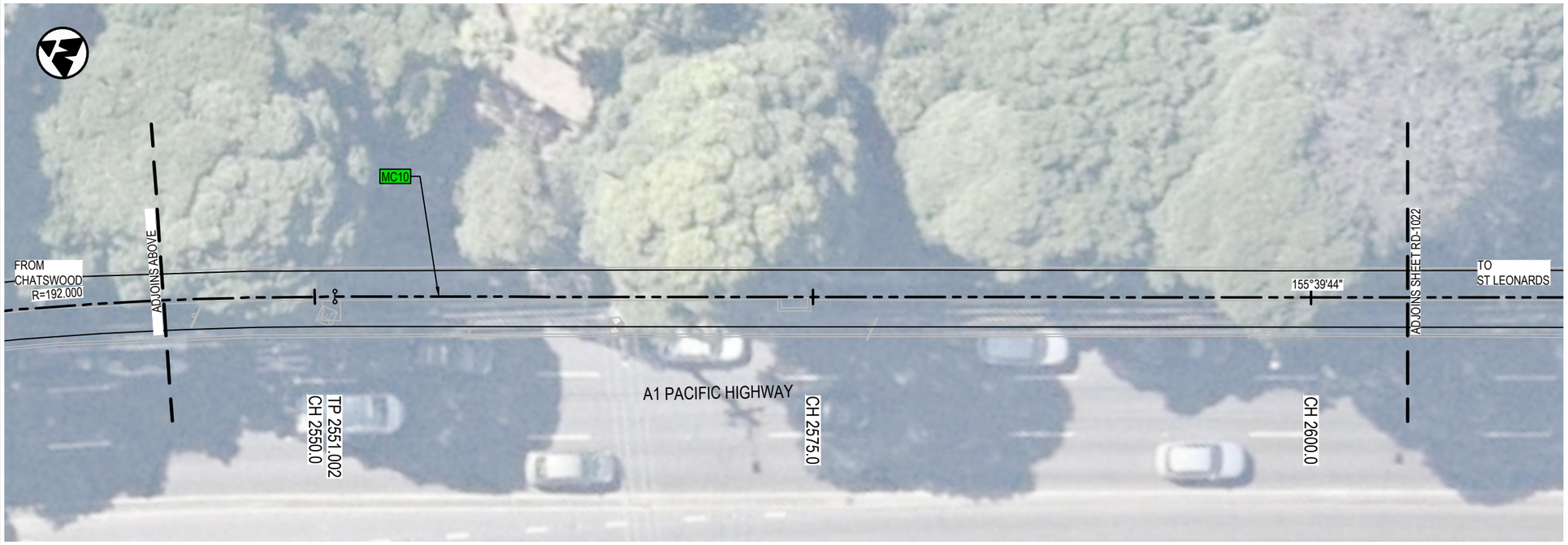
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XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RD; XRF-R1-RD-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-SU-AERIAL-IMG; XRF-R1-RD-DESN-CTRL; XRF-R1-RD-DESN-CTRL; XRF-R1-RD-DESN-CAD
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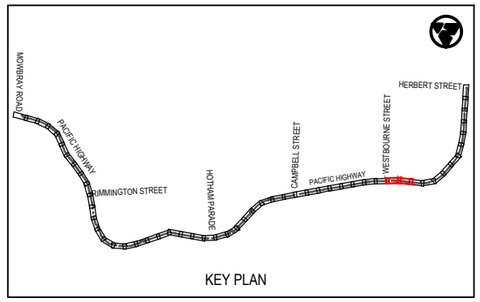


LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

NOTES:

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2. REFER TO DRAWING No. RD-0031 FOR TYPICAL SECTIONS.



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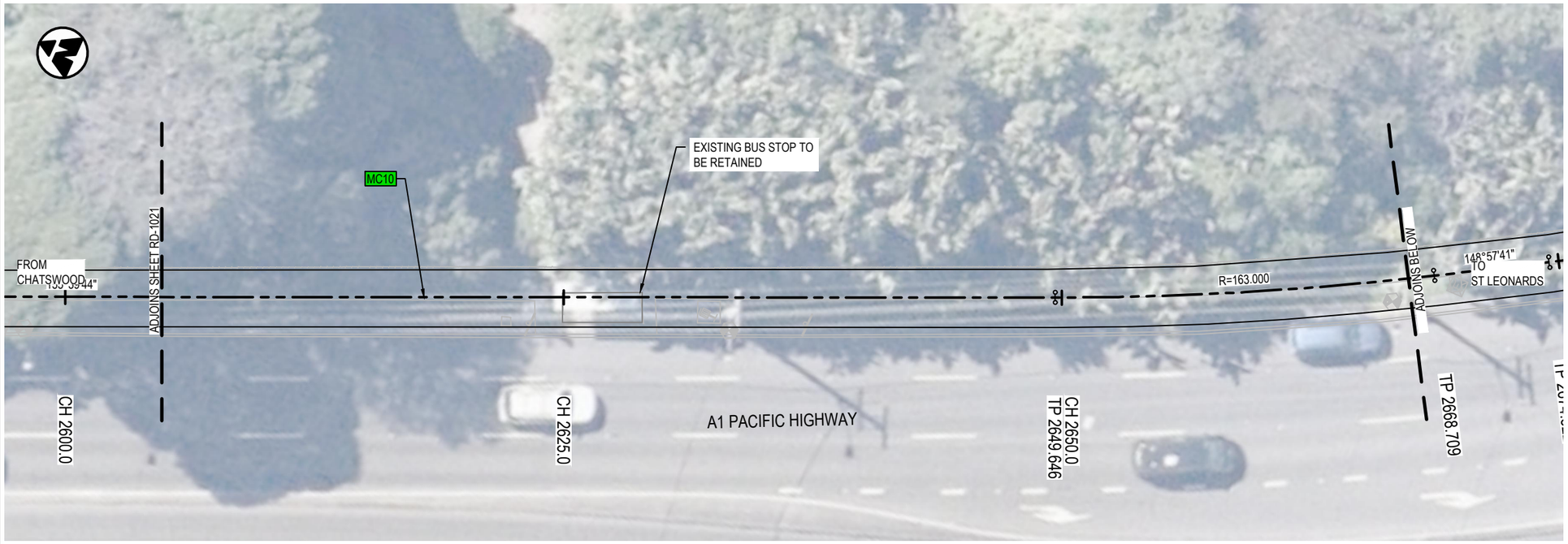
Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

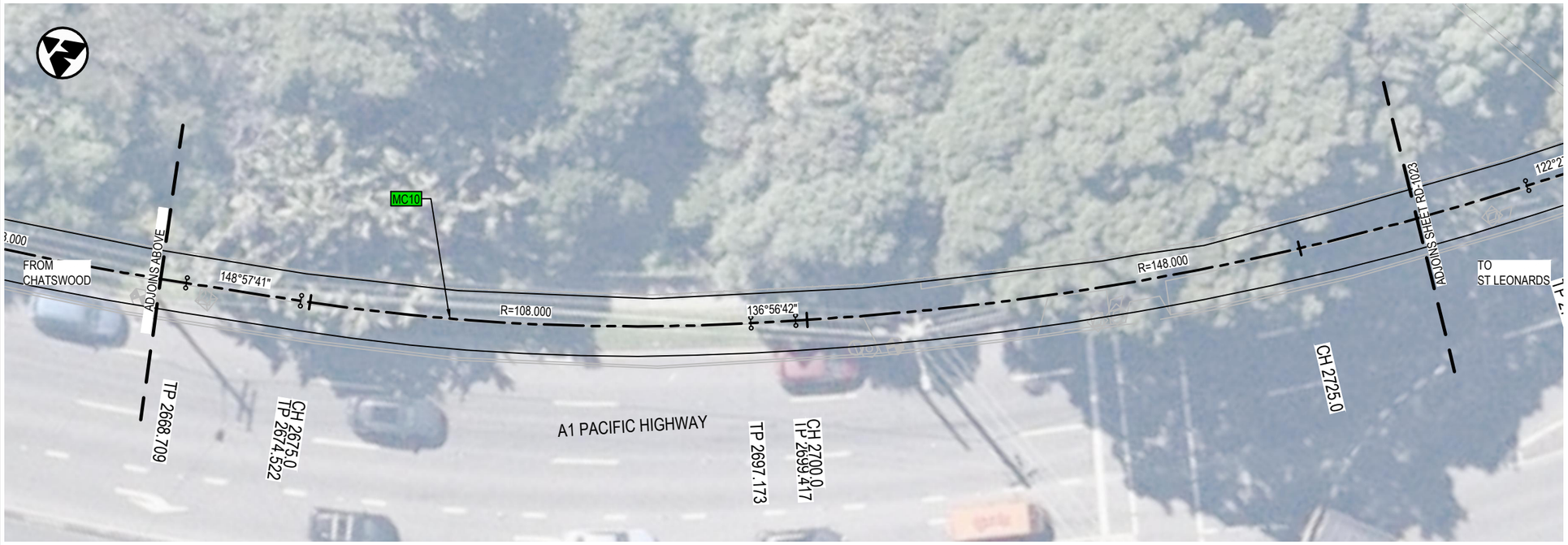
Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
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Drawing Number: 80221028-DRG-R1-RD-1021
Revision: 0

DATE PLOTTED: 28 May 2021 12:23 PM BY: KAREN SUTTON



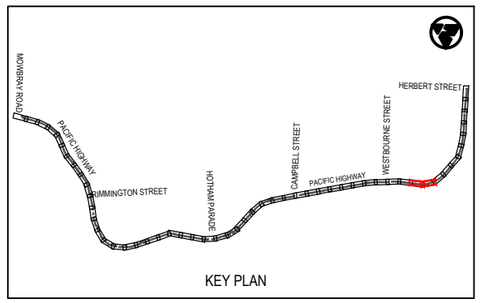


LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. RD-0031 FOR TYPICAL SECTIONS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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Web: www.cardno.com.au

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Drawn	J.GUEVARRA	28.05.21
Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

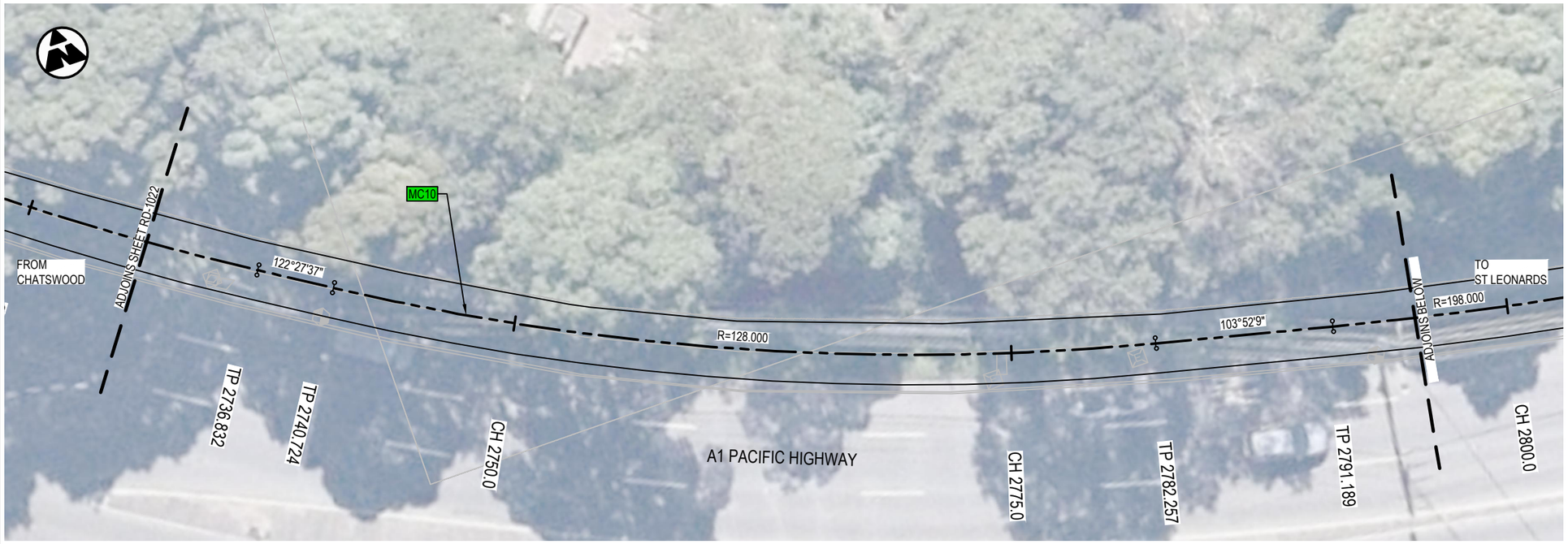
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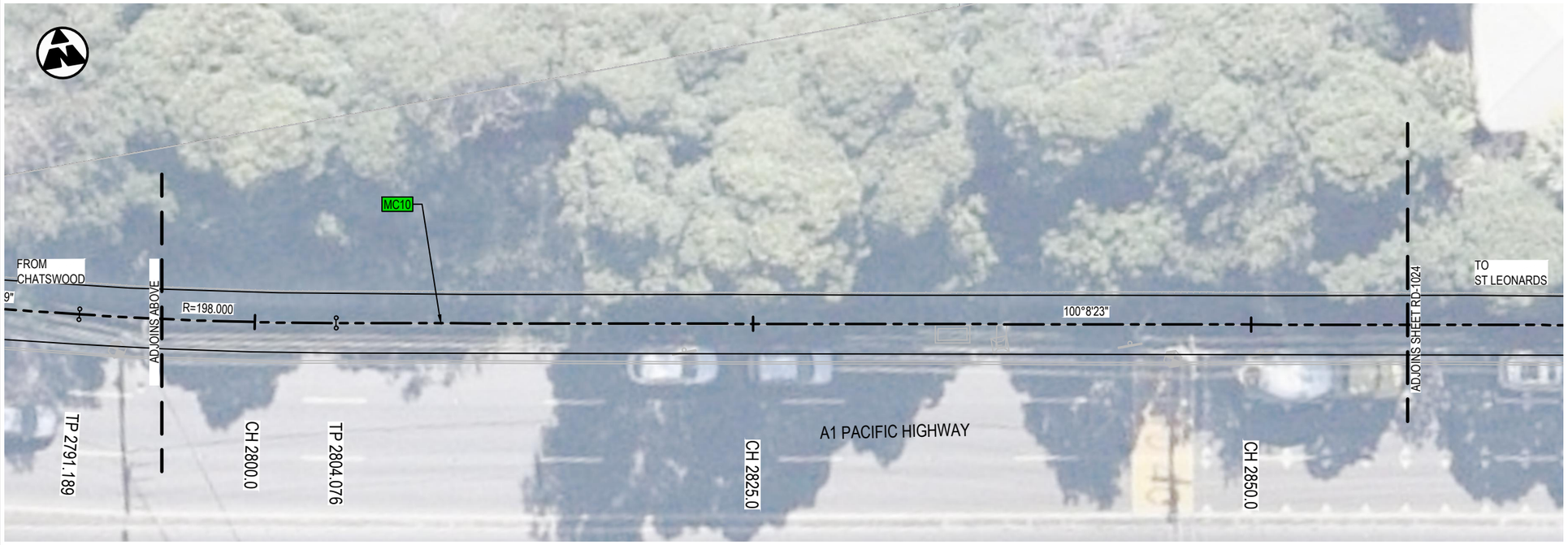
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AHD	22 of 27	1:250m	A3

Drawing Number: 80221028-DRG-R1-RD-1022
Revision: 0

XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RD; XRF-R1-RD-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-SU-AERIAL-IMG; XRF-R1-RD-DESN-CTRL; XRF-R1-RD-DESN-CAD
CAD File: \\cardno.com\global\AU\NSW\Directory\Structures\Projects\80\2FY21028_Chatswood St Leonards Cycleway\Drawings\Build\01_Dvg\01_Route-1-PAC_HWY\80221028-DRG-R1-RD-1022.dwg

DATE PLOTTED: 28 May 2021 12:24 PM BY: KAREN SUTTON



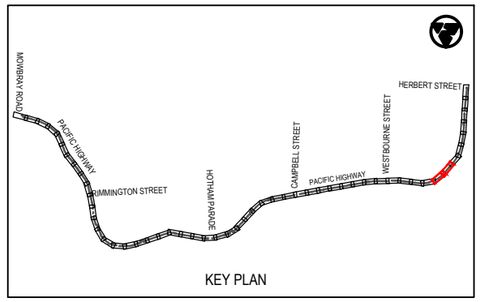


LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. RD-0031 FOR TYPICAL SECTIONS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
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Client: WILLOUGHBY CITY COUNCIL

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ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

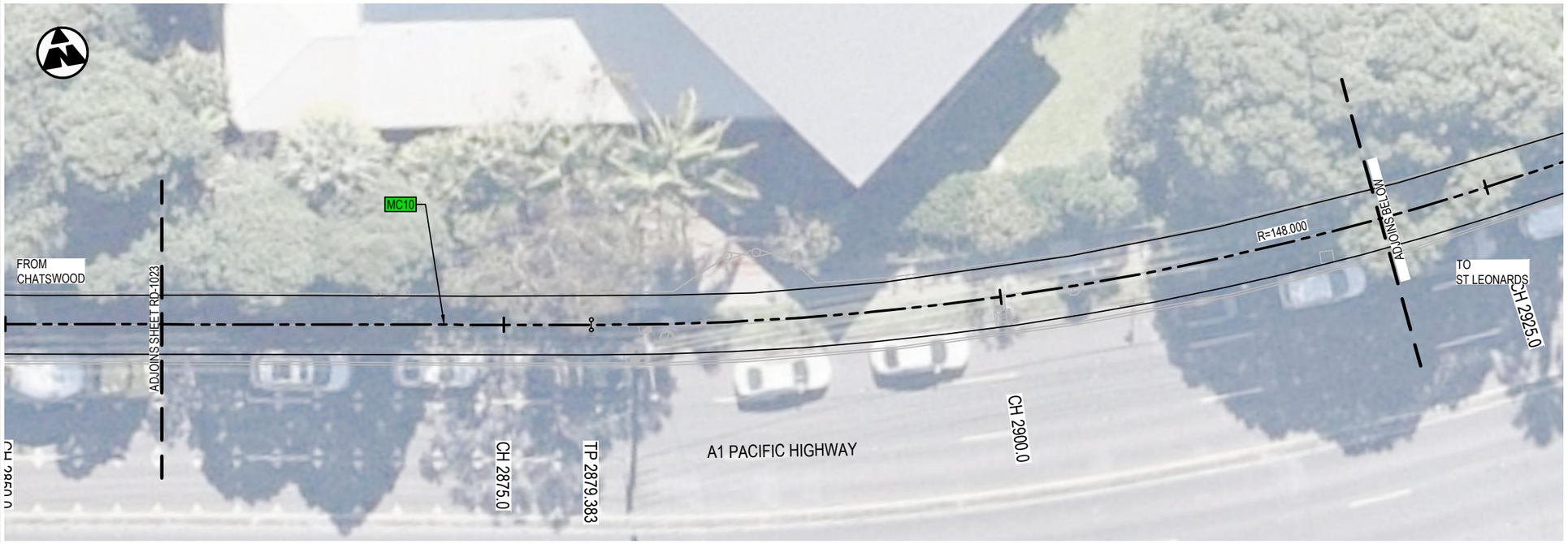
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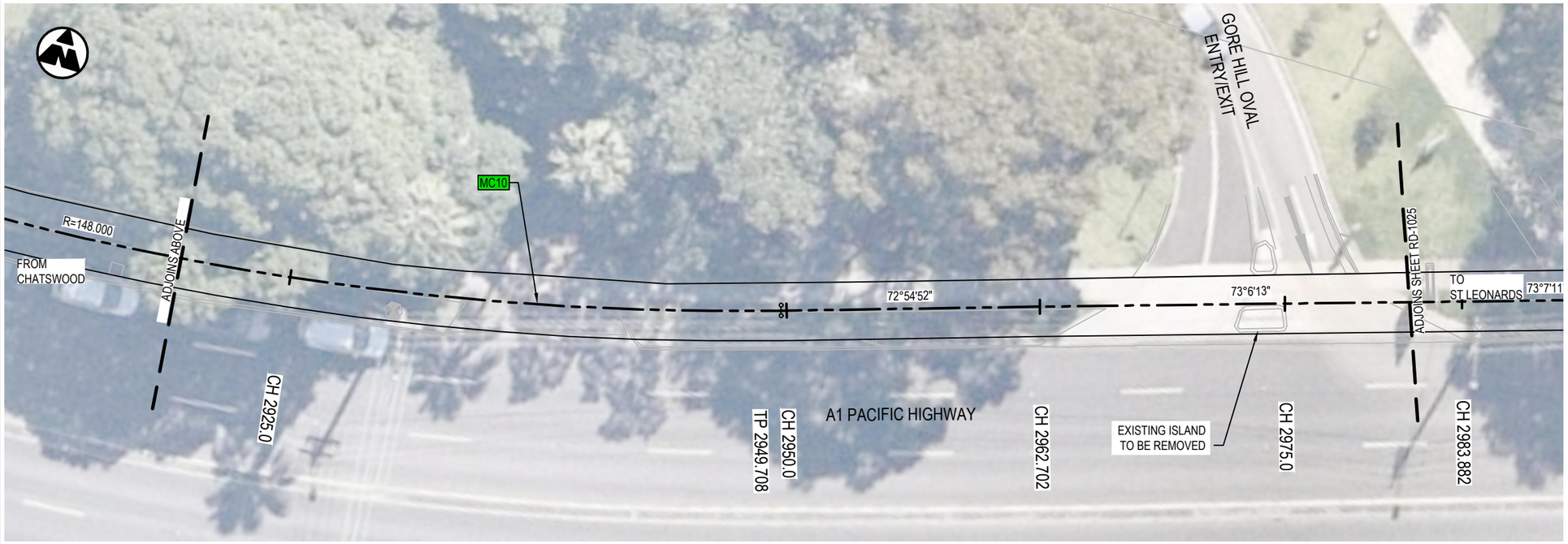
Datum		Scale	Size
AHD	23 of 27	1:250m	A3

Drawing Number: 80221028-DRG-R1-RD-1023
Revision: 0

XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RD; XRF-R1-RD-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-SU-AERIAL-IMG; XRF-R1-RD-DESN-CTRL; XRF-R1-RD-DESN-CAD
CAD File: \\cardno.com\global\AU\NSW\Directory\Structure\Projects\80\2\FY21\028_Chatswood-St Leonards Cycleway\Drawings\Build\01_Dgn\01_Route-1-PAC_HWY\80221028-DRG-R1-RD_1023.dwg

DATE PLOTTED: 28 May 2021 12:24 PM BY: KAREN SUTTON



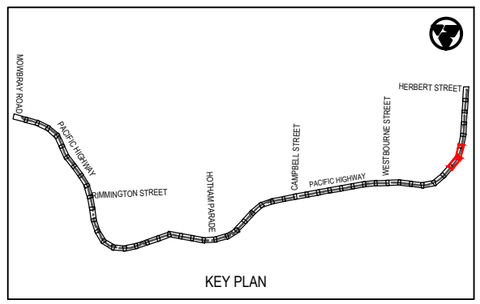


LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. RD-0031 FOR TYPICAL SECTIONS.



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Rev	Date	Description	Des.	Verif.	Appd.
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0 2.5 5 7.5 10
SCALE 1:250m

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ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

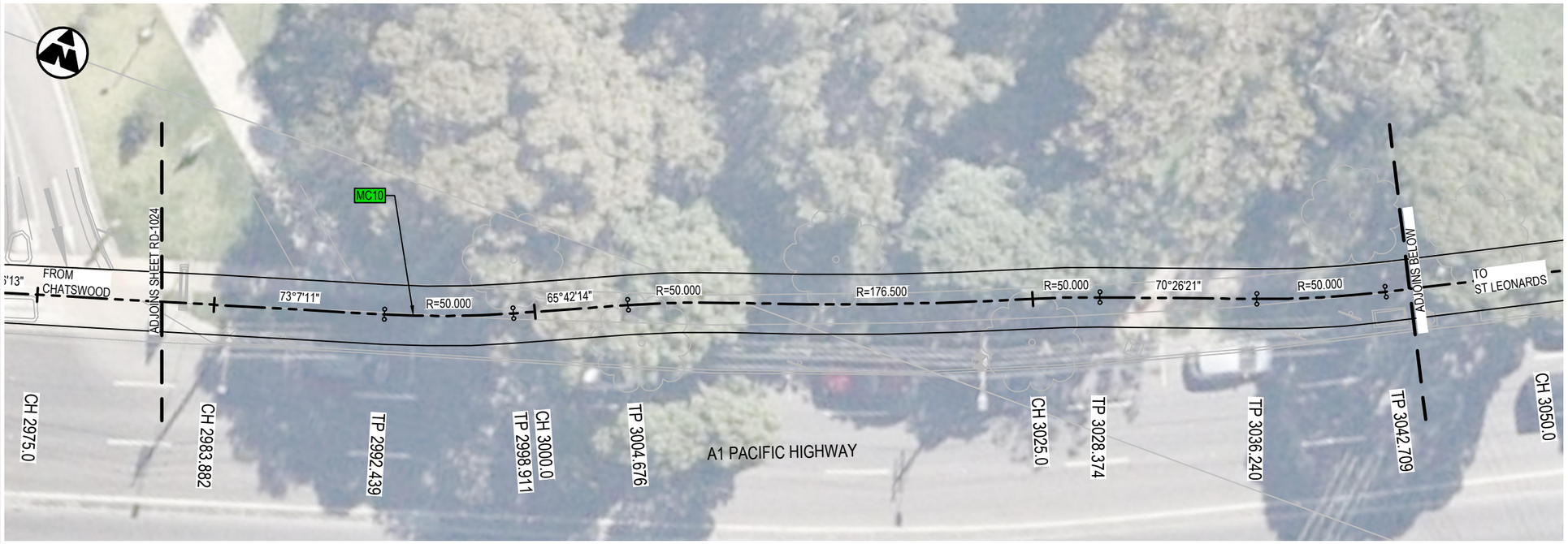
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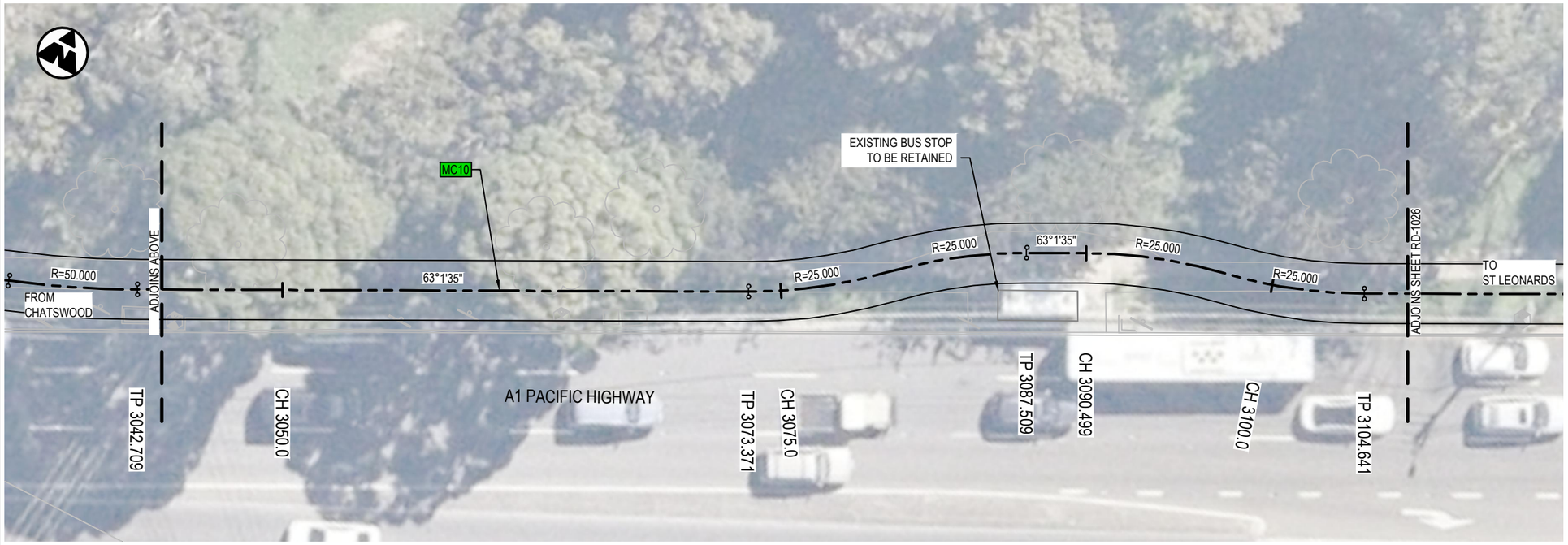
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Revision: 0

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DATE PLOTTED: 28 May 2021 12:25 PM BY: KAREN SUTTON



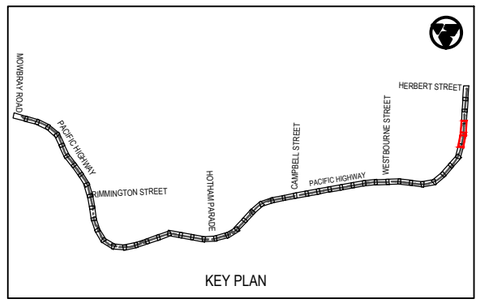


LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. RD-0031 FOR TYPICAL SECTIONS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
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SCALE 1:250m

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ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

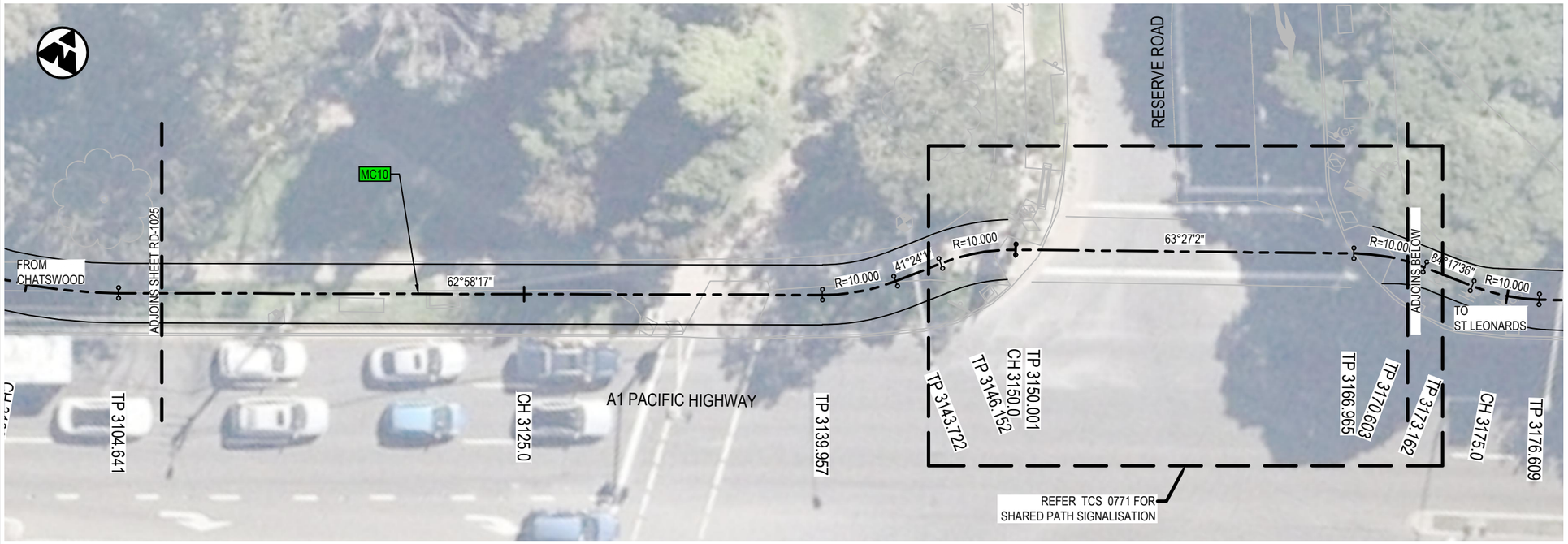
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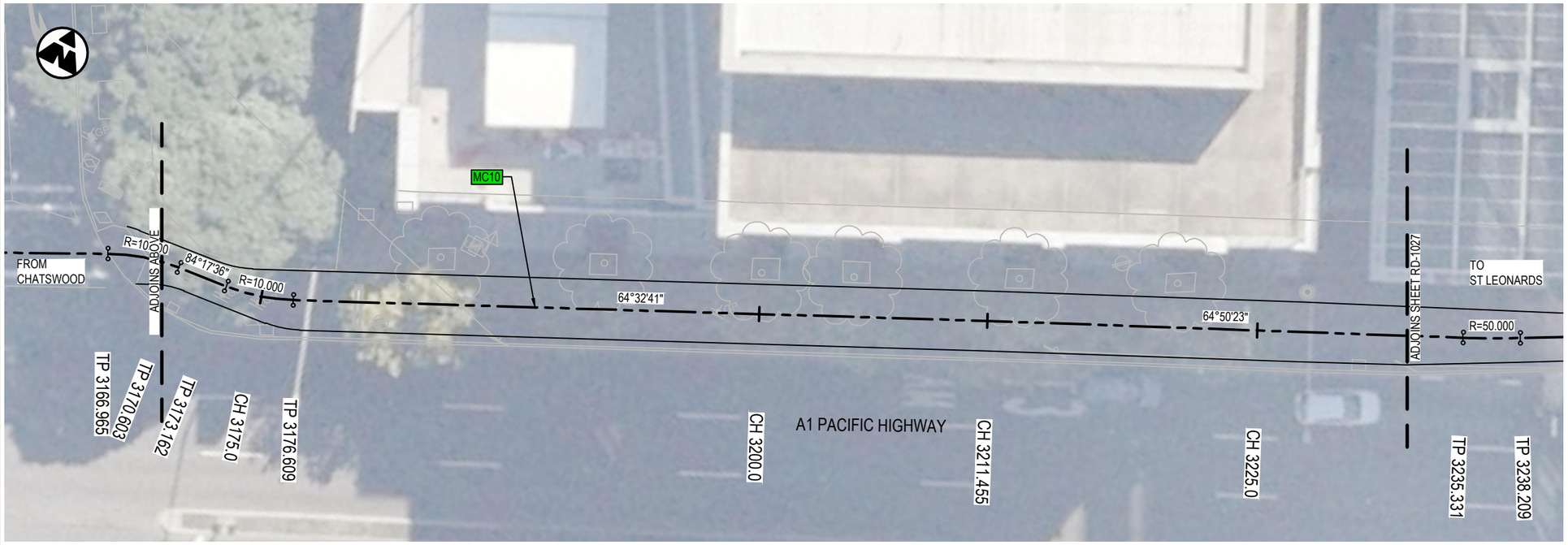
Datum		Scale	Size
AHD	25 of 27	1:250m	A3

Drawing Number: 80221028-DRG-R1-RD-1025
Revision: 0

XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RD; XRF-R1-RD-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-SU-AERIAL-IMG; XRF-R1-RD-DESN-CTRL; XRF-R1-RD-DESN-CAD
CAD File: \\cardno.com\global\AUNSW\Directory\Structure\Projects\80\2FY21028_Chatswood-St Leonards Cycleway\Drawings\Build\01_Dvg\01_Route-1-PAC_HWY\80221028-DRG-R1-RD-1025.dwg

DATE PLOTTED: 28 May 2021 12:25 PM BY: KAREN SUTTON



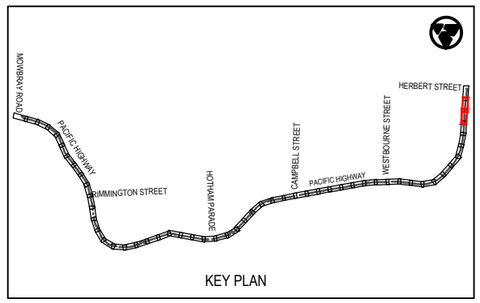


LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
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ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

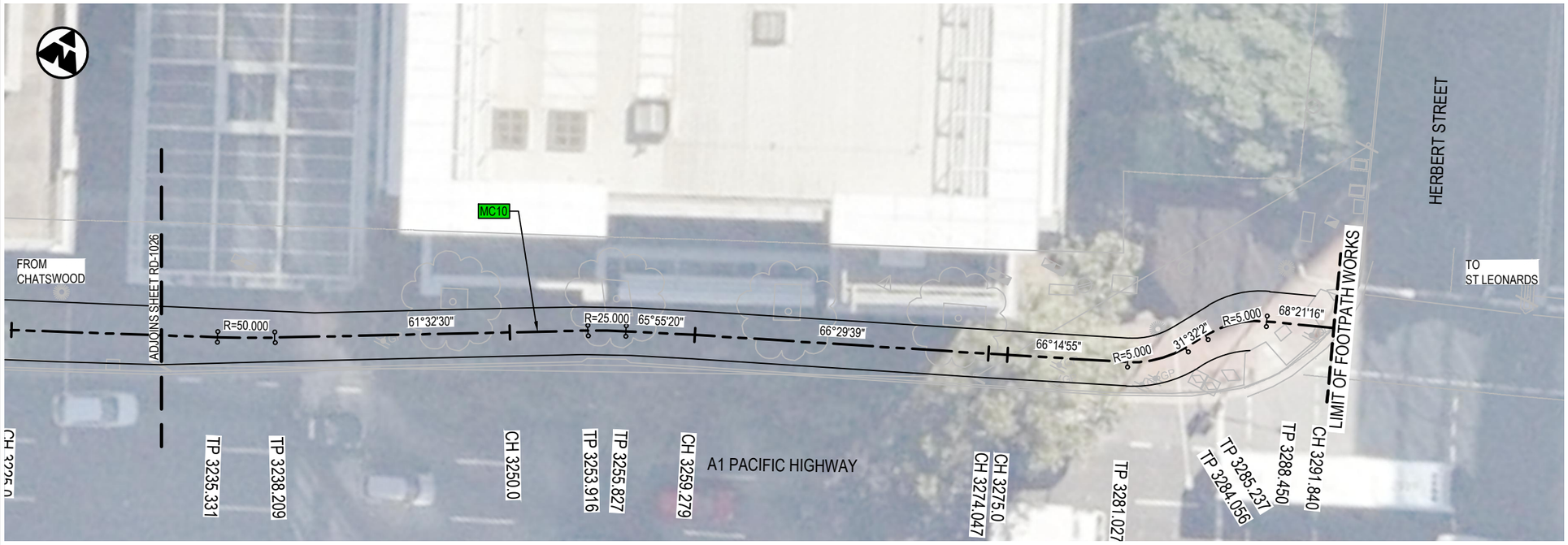
Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
AHD	26 of 27	1:250m	A3

Drawing Number: 80221028-DRG-R1-RD-1026
Revision: 0

XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RD; XRF-R1-RD-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-SU-AERIAL-IMG; XRF-R1-RD-DESN-CTRL; XRF-R1-RD-DESN-CTRL; XRF-R1-RD-DESN-CTRL
CAD File: \\cardno.corp\global\AU\NSW\Directory\Structure\Projects\8820\FY21\028_Chatswood-St Leonards Cycleway\D:drawings\Build\01_Dgl\01_Route-1-PAC_HWY\80221028-DRG-R1-RD-1026.dwg

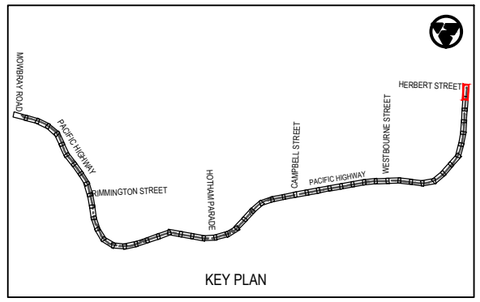


LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- EXISTING BUS SHELTER
- EXISTING BUS SHELTER TO BE DEMOLISHED
- NEW BUS SHELTER
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

NOTES:

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KEY PLAN

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0 2.5 5 7.5 10
SCALE 1:250m

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ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ALIGNMENT AND DETAIL PLAN

Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
AHD	27 of 27	1:250m	A3

Drawing Number: 80221028-DRG-R1-RD-1027
Revision: 0

DATE PLOTTED: 28 May 2021 12:26 PM BY: KAREN SUTTON
XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RD; XRF-R1-RD-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-SU-AERIAL-IMG; XRF-R1-RD-DESN-CTRL; XRF-R1-RD-DESN-PROF
CAD File: \\cardno.com\global\AU\NSW\Directory\Structures\Projects\80\2FY21028_Chatswood St Leonards Cycleway\Drawings\Build\01_Drg\01_Route-1-PAC_HWY\80221028-DRG-R1-RD-1027.dwg

DATE PLOTTED: 28 May 2021 12:26 PM BY: KAREN SUTTON

HORIZONTAL ALIGNMENT REPORT - MC10

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	331492.621	6257925.366	180°00'00.00"			
TC	1.018	331492.621	6257924.348	180°00'00.00"			
IP 2	2.156	331492.621	6257923.190		R = 5.000	2.275	26°03'52.38"
CC	3.293	331492.113	6257922.151	206°03'52.38"			
IP 3	6.261	331490.781	6257919.429		R = -12.000	5.936	28°20'38.91"
CT	9.229	331490.902	6257916.401	177°43'13.47"			
TC	10.748	331490.962	6257914.883	177°43'13.47"			
IP 4	11.470	331490.991	6257914.157		R = -5.000	1.442	16°31'43.16"
CT	12.191	331491.225	6257913.470	161°11'30.31"			
TC	14.825	331492.075	6257910.976	161°11'30.31"			
IP 5	15.667	331492.346	6257910.179		R = 30.000	1.683	3°12'52.37"
CT	16.508	331492.572	6257909.368	164°24'22.69"			
TC	66.486	331506.007	6257861.231	164°24'22.69"			
IP 6	99.363	331514.874	6257829.459		R = 330.798	65.755	11°23'20.68"
IP 7	132.241	331517.292	6257796.561				
IP 8	135.413	331517.525	6257793.397		R = 151.900	6.345	2°23'36.14"
CT	138.586	331517.625	6257790.225	178°11'19.54"			
TC	144.982	331517.828	6257783.833	178°11'19.54"			
IP 9	146.668	331517.881	6257782.147		R = 50.000	3.372	3°51'50.34"
CT	148.354	331517.820	6257780.461	182°03'09.88"			
TC	171.230	331517.001	6257757.600	182°03'09.88"			
IP 10	172.536	331516.954	6257756.293		R = 25.000	2.613	5°59'17.45"
CT	173.843	331516.771	6257754.998	188°02'27.33"			
TC	205.068	331512.403	6257724.080	188°02'27.33"			
IP 11	206.340	331512.222	6257722.792		R = 5.000	2.544	29°09'22.47"
CT	207.613	331511.435	6257721.756	217°11'49.81"			
TC	210.916	331509.438	6257719.125	217°11'49.81"			
IP 12	211.568	331509.042	6257718.603		R = -5.000	1.303	14°56'06.41"
CT	212.219	331508.794	6257717.996	202°15'43.40"			
TC	220.568	331505.631	6257710.270	202°15'43.40"			
IP 13	222.766	331504.785	6257708.202		R = -10.000	4.397	25°11'34.56"
CT	224.965	331504.899	6257705.971	177°04'08.84"			
TC	226.714	331504.988	6257704.224	177°04'08.84"			
IP 14	229.644	331505.142	6257701.210		R = 10.000	5.861	33°34'56.96"
CT	232.575	331503.604	6257698.614	210°39'05.79"			
TC	233.751	331503.005	6257697.603	210°39'05.79"			
IP 15	234.959	331502.376	6257696.543		R = 5.000	2.416	27°41'15.30"
CT	236.167	331501.328	6257695.896	238°20'21.10"			
TC	240.585	331497.567	6257693.577	238°20'21.10"			
IP 16	241.508	331496.773	6257693.087		R = -5.000	1.846	21°08'59.28"
CT	242.431	331496.208	6257692.343	217°11'21.81"			
IP 17	286.146	331469.784	6257657.518				
TC	313.230	331452.955	6257636.298	218°25'04.85"			
IP 18	321.635	331447.714	6257629.690		R = -81.700	16.810	11°47'18.76"
CT	330.039	331443.933	6257622.150	206°37'46.10"			
TC	338.893	331439.965	6257614.235	206°37'46.10"			
IP 19	339.824	331439.547	6257613.403		R = 30.000	1.861	3°33'18.43"
CC	340.755	331439.079	6257612.598	210°11'04.52"			
IP 20	342.799	331438.050	6257610.828		R = -30.000	4.089	7°48'33.62"

HORIZONTAL ALIGNMENT REPORT - MC10

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
CT	344.844	331437.270	6257608.935	202°22'30.91"			
IP 21	361.074	331431.092	6257593.927				
IP 22	372.477	331426.716	6257583.397				
TC	382.465	331422.774	6257574.219	203°14'38.11"			
IP 23	384.376	331422.000	6257572.418		R = -7.000	3.822	31°16'52.85"
CT	386.287	331422.275	6257570.478	171°57'45.25"			
TC	387.266	331422.411	6257569.509	171°57'45.25"			
IP 24	389.176	331422.685	6257567.568		R = 7.000	3.822	31°16'52.85"
CT	391.087	331421.912	6257565.767	203°14'38.11"			
TC	392.090	331421.516	6257564.846	203°14'38.11"			
IP 25	394.001	331420.743	6257563.045		R = 7.000	3.822	31°16'52.85"
CT	395.912	331419.147	6257561.908	234°31'30.96"			
TC	396.891	331418.350	6257561.340	234°31'30.96"			
IP 26	398.801	331416.754	6257560.202		R = -7.000	3.822	31°16'52.85"
CT	400.712	331415.980	6257558.402	203°14'38.11"			
IP 27	411.636	331411.669	6257548.364				
IP 28	429.324	331404.692	6257532.110				
IP 29	448.287	331397.191	6257514.695				
IP 30	465.996	331390.395	6257498.342				
IP 31	477.019	331386.036	6257488.217				
TC	505.514	331374.903	6257461.987	202°59'59.41"			
IP 32	506.210	331374.630	6257461.346		R = 50.000	1.393	1°35'46.45"
CT	506.907	331374.341	6257460.713	204°35'45.87"			
TC	509.457	331373.279	6257458.394	204°35'45.87"			
IP 33	511.804	331372.301	6257456.258		R = 50.000	4.693	5°22'40.82"
CT	514.151	331371.128	6257454.224	209°58'26.69"			
TC	518.463	331368.974	6257450.489	209°58'26.69"			
IP 34	520.192	331368.110	6257448.990		R = 50.000	3.458	3°57'43.80"
CT	521.920	331367.144	6257447.556	213°56'10.49"			
TC	527.355	331364.110	6257443.047	213°56'10.49"			
IP 35	529.419	331362.958	6257441.334		R = 100.000	4.127	2°21'53.39"
CT	531.483	331361.736	6257439.671	216°18'03.88"			
TC	539.507	331356.986	6257433.204	216°18'03.88"			
IP 36	542.110	331355.440	6257431.101		R = 30.000	5.207	9°56'41.60"
CT	544.714	331353.555	6257429.295	226°14'45.48"			
TC	581.250	331327.164	6257404.028	226°14'45.48"			
IP 37	582.459	331326.287	6257403.188		R = -10.000	2.419	13°51'31.68"
CC	583.668	331325.636	6257402.162	212°23'13.80"			
IP 38	586.664	331324.023	6257399.620		R = 25.000	5.991	13°43'46.88"
CT	589.659	331321.854	6257397.534	226°07'00.69"			
TC	596.758	331316.738	6257392.613	226°07'00.69"			
IP 39	599.373	331314.846	6257390.794		R = 25.000	5.230	11°59'10.73"
CC	601.988	331312.618	6257389.407	238°06'11.41"			
IP 40	603.032	331311.728	6257388.853		R = -10.000	2.089	11°58'02.74"
IP 41	604.077	331310.972	6257388.127				
TC	649.322	331278.351	6257356.774	226°08'09.80"			
IP 42	653.543	331275.224	6257353.769		R = -15.000	8.443	32°14'59.66"
CT	657.765	331274.184	6257349.559	193°53'10.14"			
TC	659.733	331273.711	6257347.649	193°53'10.14"			

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

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Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ALIGNMENT AND DETAIL
ALIGNMENT REPORT
MC10

Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
AHD	1 of 4		A3

Drawing Number: 80221028-DRG-R1-RD-9001
Revision: 0

XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-RD-DESN-SCHD
CAD File: \\cardno.corp\global\AU\NSW\Directory\Structure\Projects\80\2FY21\028_Chatswood-St Leonards Cycleway\Drawings\Build\01_Drg\01_Route-1-PAC_HWY\80221028-DRG-R1-RD-9001.dwg

DATE PLOTTED: 28 May 2021 12:26 PM BY: KAREN SUTTON

HORIZONTAL ALIGNMENT REPORT - MC10

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 43	660.518	331273.471	6257346.678		R = 1.000	1.571	90°00'00.00"
CT	661.304	331272.500	6257346.918	283°53'10.14"			
IP 44	661.925	331271.898	6257347.067				
IP 45	670.754	331263.190	6257345.611				
IP 46	674.469	331259.958	6257343.777				
IP 47	693.735	331245.287	6257331.290				
IP 48	700.094	331239.782	6257328.107				
IP 49	712.683	331231.772	6257318.394				
TC	716.013	331228.452	6257318.147	265°44'45.58"			
IP 50	719.343	331225.002	6257317.891		R = -10.000	6.661	38°10'01.87"
IP 51	722.674	331222.448	6257315.557				
IP 52	740.612	331209.189	6257303.442		R = -297.238	35.877	6°54'56.10"
IP 53	758.551	331197.486	6257289.818				
IP 54	761.440	331195.549	6257287.563		R = -10.000	5.778	33°06'28.95"
CC	764.329	331195.159	6257284.617	187°33'20.25"			
IP 55	770.521	331194.327	6257278.350		R = 25.000	12.384	28°22'57.94"
CT	776.713	331190.617	6257273.231	215°56'18.19"			
TC	804.540	331174.285	6257250.702	215°56'18.19"			
IP 56	805.733	331173.585	6257249.735		R = -50.000	2.387	2°44'06.67"
CT	806.927	331172.931	6257248.736	213°12'11.52"			
TC	813.767	331169.185	6257243.013	213°12'11.52"			
IP 57	815.525	331168.218	6257241.535		R = 15.000	3.516	13°25'50.32"
CT	817.283	331166.934	6257240.322	226°38'01.84"			
TC	825.741	331160.785	6257234.514	226°38'01.84"			
IP 58	828.152	331159.017	6257232.845		R = -15.000	4.821	18°24'54.13"
CT	830.562	331157.868	6257230.702	208°13'07.72"			
IP 59	837.311	331154.677	6257224.756				
IP 60	860.061	331143.750	6257204.296		R = -95.000	45.500	27°26'30.28"
CC	882.811	331143.482	6257181.102	180°39'42.56"			
IP 61	886.143	331143.444	6257177.750		R = -25.000	6.665	15°16'27.32"
CT	889.476	331144.289	6257174.506	165°23'15.25"			
TC	931.667	331154.933	6257133.679	165°23'15.25"			
IP 62	933.919	331155.503	6257131.494		R = -25.000	4.505	10°19'24.91"
CT	936.172	331156.455	6257129.446	155°03'50.34"			
TC	941.166	331158.561	6257124.917	155°03'50.34"			
IP 63	943.395	331159.501	6257122.895		R = -50.000	4.457	5°06'27.66"
CT	945.624	331160.618	6257120.964	149°57'22.68"			
TC	977.261	331176.457	6257093.578	149°57'22.68"			
IP 64	978.104	331176.880	6257092.848		R = 25.000	1.686	3°51'51.21"
CT	978.947	331177.252	6257092.091	153°49'13.89"			
TC	984.821	331179.843	6257086.819	153°49'13.89"			
IP 65	986.274	331180.485	6257085.514		R = -25.000	2.905	6°39'30.30"
CT	987.727	331181.274	6257084.292	147°09'43.59"			
TC	995.911	331185.711	6257077.416	147°09'43.59"			
IP 66	1005.848	331191.141	6257069.003		R = -66.000	19.875	17°15'14.97"
CT	1015.786	331198.822	6257062.578	129°54'28.62"			
TC	1052.737	331227.167	6257038.872	129°54'28.62"			
IP 67	1056.229	331229.863	6257036.617		R = -25.000	6.985	16°00'28.39"
CC	1059.722	331233.077	6257035.193	113°54'00.23"			

HORIZONTAL ALIGNMENT REPORT - MC10

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 68	1063.341	331236.409	6257033.716		R = 25.000	7.239	16°35'26.08"
CT	1066.961	331239.181	6257031.349	130°29'26.31"			
TC	1077.781	331247.411	6257024.323	130°29'26.31"			
IP 69	1081.229	331250.049	6257022.070		R = 25.000	6.895	15°48'04.45"
CT	1084.676	331251.974	6257019.184	146°17'30.75"			
TC	1086.504	331252.989	6257017.664	146°17'30.75"			
IP 70	1087.930	331253.786	6257016.469		R = -10.000	2.853	16°20'46.02"
CT	1089.357	331254.887	6257015.547	129°56'44.73"			
TC	1221.481	331356.181	6256930.715	129°56'44.73"			
IP 71	1227.832	331361.157	6256926.547		R = 25.000	12.703	29°06'44.40"
CT	1234.184	331363.478	6256920.484	159°03'29.13"			
TC	1244.378	331367.121	6256910.963	159°03'29.13"			
IP 72	1246.342	331367.825	6256909.125		R = 25.000	3.929	9°00'13.56"
CC	1248.307	331368.232	6256907.199	168°03'42.69"			
IP 73	1250.271	331368.639	6256905.273		R = -25.000	3.929	9°00'13.56"
IP 74	1252.235	331369.343	6256903.435				
TC	1252.317	331369.372	6256903.359	159°03'29.12"			
IP 75	1253.640	331369.845	6256902.122		R = -25.000	2.647	6°03'59.25"
CT	1254.964	331370.447	6256900.941	152°59'29.88"			
TC	1258.144	331371.891	6256898.108	152°59'29.88"			
IP 76	1259.468	331372.493	6256896.928		R = 25.000	2.647	6°03'59.26"
CT	1260.791	331372.966	6256895.690	159°03'29.13"			
TC	1312.106	331391.307	6256847.765	159°03'29.13"			
IP 77	1313.876	331391.941	6256846.110		R = 25.000	3.538	8°06'34.61"
CC	1315.645	331392.334	6256844.382	167°10'03.75"			
IP 78	1317.414	331392.728	6256842.654		R = -25.000	3.538	8°06'34.61"
CT	1319.183	331393.361	6256840.999	159°03'29.13"			
TC	1404.848	331423.980	6256760.993	159°03'29.13"			
IP 79	1406.290	331424.495	6256759.645		R = -30.000	2.883	5°30'22.20"
CT	1407.731	331425.138	6256758.354	153°33'06.93"			
TC	1409.620	331425.979	6256756.663	153°33'06.93"			
IP 80	1410.816	331426.512	6256755.591		R = 30.000	2.392	4°34'08.96"
CT	1412.012	331426.958	6256754.481	158°07'15.89"			
TC	1412.930	331427.300	6256753.629	158°07'15.89"			
IP 81	1413.878	331427.654	6256752.749		R = 30.000	1.896	3°37'17.06"
CT	1414.826	331427.951	6256751.848	161°44'32.95"			
TC	1416.888	331428.597	6256749.890	161°44'32.95"			
IP 82	1418.785	331429.192	6256748.086		R = -30.000	3.795	7°14'51.77"
CC	1420.683	331430.010	6256746.371	154°29'41.18"			
IP 83	1423.417	331431.188	6256743.902		R = -128.000	5.469	2°26'53.24"
CC	1426.152	331432.470	6256741.487	152°02'47.95"			
IP 84	1429.278	331433.943	6256738.711		R = -25.000	6.252	14°19'46.31"
CC	1432.404	331436.057	6256736.386	137°43'01.64"			
IP 85	1433.898	331437.063	6256735.279		R = 25.000	2.988	6°50'48.92"
CT	1435.392	331437.930	6256734.061	144°33'50.56"			
TC	1457.136	331450.538	6256716.344	144°33'50.56"			
IP 86	1460.569	331452.531	6256713.543		R = -50.000	6.865	7°52'00.80"
CT	1464.001	331454.889	6256711.041	136°41'49.75"			
TC	1502.406	331481.229	6256683.093	136°41'49.75"			

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

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ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ALIGNMENT AND DETAIL
ALIGNMENT REPORT
MC10

Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
AHD	2 of 4		A3

Drawing Number: 80221028-DRG-R1-RD-9002

Revision: 0

XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-RD-DESN-SCHD
CAD File: \\cardno.corp\global\AU\NSW\Directory\Structure\Projects\80\2FY21\028_Chatswood-St Leonards Cycleway\Drawings\Build\01_Drg\01_Route-1-PAC_HWY\80221028-DRG-R1-RD-9002.dwg

DATE PLOTTED: 28 May 2021 12:26 PM BY: KAREN SUTTON

HORIZONTAL ALIGNMENT REPORT - MC10

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 87	1511.873	331487.731	6256676.194		R = -148.000	18.935	7°19'48.72"
IP 88	1521.340	331495.060	6256670.180				
TC	1550.227	331517.409	6256651.878	129°18'54.78"			
IP 89	1551.863	331518.686	6256650.832		R = -10.000	3.272	18°44'43.63"
IP 90	1553.499	331520.231	6256650.252				
IP 91	1554.590	331521.257	6256649.867		R = 10.000	2.182	12°30'00.52"
IP 92	1555.681	331522.175	6256649.270				
TC	1572.792	331536.514	6256639.933	123°04'11.69"			
IP 93	1573.502	331537.113	6256639.543		R = 5.000	1.420	16°16'16.38"
CT	1574.212	331537.579	6256639.001	139°20'28.07"			
TC	1576.839	331539.290	6256637.008	139°20'28.07"			
IP 94	1577.908	331539.998	6256636.184		R = -5.000	2.138	24°29'57.53"
CC	1578.977	331540.983	6256635.728	114°50'30.55"			
IP 95	1587.827	331549.049	6256631.994		R = -78.000	17.700	13°00'06.54"
IP 96	1596.677	331557.748	6256630.170				
TC	1615.856	331576.519	6256626.235	101°50'24.04"			
IP 97	1616.635	331577.281	6256626.075		R = -50.000	1.557	1°47'04.42"
CT	1617.414	331578.048	6256625.939	100°03'19.62"			
TC	1632.914	331593.310	6256623.233	100°03'19.62"			
IP 98	1633.973	331594.353	6256623.048		R = 50.000	2.119	2°25'40.22"
CT	1635.032	331595.387	6256622.819	102°28'59.83"			
TC	1645.233	331605.347	6256620.614	102°28'59.83"			
IP 99	1646.194	331606.285	6256620.406		R = 50.000	1.920	2°12'02.38"
CT	1647.154	331607.214	6256620.163	104°41'02.21"			
TC	1653.128	331612.992	6256618.649	104°41'02.21"			
IP 100	1654.426	331614.248	6256618.320		R = -50.000	2.596	2°58'29.35"
CT	1655.724	331615.520	6256618.056	101°42'32.85"			
TC	1701.072	331659.925	6256608.853	101°42'32.85"			
IP 101	1701.726	331660.566	6256608.720		R = -10.000	1.308	7°29'40.11"
CC	1702.380	331661.219	6256608.672	94°12'52.74"			
IP 102	1703.998	331662.835	6256608.553		R = 25.000	3.236	7°24'59.34"
CT	1705.616	331664.422	6256608.226	101°37'52.08"			
TC	1729.983	331688.289	6256603.314	101°37'52.08"			
IP 103	1731.822	331690.093	6256602.942		R = 25.000	3.677	8°25'40.61"
CC	1733.661	331691.823	6256602.310	110°03'32.69"			
IP 104	1734.416	331692.534	6256602.051		R = -10.000	1.510	8°39'09.55"
CT	1735.171	331693.275	6256601.901	101°24'23.14"			
TC	1747.258	331705.124	6256599.511	101°24'23.14"			
IP 105	1753.366	331711.118	6256598.301		R = 102.000	12.215	6°51'41.57"
IP 106	1759.473	331716.925	6256596.385				
IP 107	1772.731	331729.522	6256592.226		R = 309.797	26.516	4°54'14.59"
CC	1785.989	331741.718	6256587.006	113°10'19.27"			
IP 108	1787.769	331743.355	6256586.305		R = 50.000	3.560	4°04'46.28"
CT	1789.549	331744.938	6256585.490	117°15'05.56"			
TC	1801.889	331755.908	6256579.840	117°15'05.56"			
IP 109	1804.655	331758.370	6256578.572		R = 50.000	5.533	6°20'25.54"
CC	1807.422	331760.677	6256577.039	123°35'31.09"			
IP 110	1810.881	331763.560	6256575.125		R = 102.000	6.919	3°53'11.55"
CC	1814.341	331766.306	6256573.019	127°28'42.65"			

HORIZONTAL ALIGNMENT REPORT - MC10

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 111	1817.301	331768.658	6256571.216		R = 50.000	5.919	6°46'59.44"
CT	1820.260	331770.780	6256569.148	134°15'42.08"			
TC	1826.872	331775.515	6256564.533	134°15'42.08"			
IP 112	1828.438	331776.645	6256563.432		R = -10.000	3.131	17°56'28.11"
CT	1830.003	331778.060	6256562.732	116°19'13.97"			
TC	1830.077	331778.127	6256562.699	116°19'13.97"			
IP 113	1831.001	331778.964	6256562.285		R = 5.000	1.847	21°09'35.36"
CT	1831.924	331779.595	6256561.596	137°28'49.33"			
TC	1847.949	331790.425	6256549.785	137°28'49.33"			
IP 114	1848.987	331791.137	6256549.009		R = 5.000	2.076	23°47'24.74"
CC	1850.025	331791.475	6256548.012	161°16'14.07"			
IP 115	1851.020	331791.799	6256547.057		R = -5.000	1.990	22°47'59.23"
CT	1852.015	331792.467	6256546.302	138°28'14.84"			
TC	1972.695	331872.479	6256455.959	138°28'14.84"			
IP 116	1973.707	331873.152	6256455.199		R = -10.000	2.024	11°35'39.70"
CC	1974.718	331873.964	6256454.589	126°52'35.14"			
IP 117	1975.763	331874.802	6256453.961		R = 10.000	2.088	11°57'57.27"
CT	1976.807	331875.492	6256453.171	138°50'32.41"			
TC	1997.170	331888.894	6256437.840	138°50'32.41"			
IP 118	1998.551	331889.804	6256436.799		R = 25.000	2.763	6°19'52.70"
CC	1999.933	331890.593	6256435.664	145°10'25.11"			
IP 119	2001.381	331891.421	6256434.474		R = -25.000	2.897	6°38'18.28"
CT	2002.829	331892.382	6256433.387	138°32'06.83"			
IP 120	2090.765	331950.609	6256367.491				
IP 121	2122.783	331971.818	6256343.505				
IP 122	2133.595	331978.994	6256335.418				
IP 123	2148.882	331989.054	6256323.907				
IP 124	2259.689	332061.231	6256239.833				
IP 125	2285.259	332077.835	6256220.387				
TC	2351.460	332120.667	6256169.909	139°41'03.59"			
IP 126	2355.547	332123.335	6256166.764		R = -25.000	8.175	18°44'09.62"
CC	2359.635	332126.872	6256164.643	120°56'53.97"			
IP 127	2363.005	332129.828	6256162.871		R = 13.117	6.739	29°26'18.35"
CC	2366.374	332131.531	6256159.875	150°23'12.32"			
IP 128	2368.709	332132.688	6256157.839		R = -25.000	4.670	10°42'08.73"
CT	2371.044	332134.203	6256156.054	139°41'03.59"			
TC	2373.165	332135.575	6256154.437	139°41'03.59"			
IP 129	2374.483	332136.448	6256153.408		R = 5.000	2.635	30°11'42.48"
IP 130	2375.800	332136.685	6256152.080				
IP 131	2377.118	332136.922	6256150.752		R = -5.000	2.635	30°11'42.48"
IP 132	2378.435	332137.794	6256149.724				
TC	2378.571	332137.882	6256149.620	139°41'03.59"			
IP 133	2395.229	332148.677	6256136.899		R = 242.000	33.316	7°53'15.98"
CT	2411.886	332157.624	6256122.816	147°34'19.57"			
IP 134	2481.857	332195.144	6256063.757				
IP 135	2501.950	332205.946	6256046.813				
TC	2523.236	332217.421	6256028.886	147°22'35.26"			
IP 136	2537.119	332224.919	6256017.173		R = 192.000	27.765	8°17'08.29"
CT	2551.002	332230.650	6256004.502	155°39'43.55"			

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

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Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ALIGNMENT AND DETAIL
ALIGNMENT REPORT
MC10

Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
AHD	3 of 4		A3

Drawing Number: 80221028-DRG-R1-RD-9003

Revision: 0

XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-RD-DESN-SCHD
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DATE PLOTTED: 28 May 2021 12:26 PM BY: KAREN SUTTON

HORIZONTAL ALIGNMENT REPORT - MC10

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
TC	2649.646	332271.303	6255914.624	155°39'43.55"			
IP 137	2659.178	332275.236	6255905.929		R = -163.000	19.063	6°42'02.66"
CT	2668.709	332280.156	6255897.753	148°57'40.89"			
TC	2674.522	332283.153	6255892.772	148°57'40.89"			
IP 138	2685.847	332289.014	6255883.033		R = -108.000	22.650	12°00'58.84"
CT	2697.173	332296.774	6255874.727	136°56'42.05"			
TC	2699.417	332298.306	6255873.088	136°56'42.05"			
IP 139	2718.124	332311.147	6255859.345		R = -148.000	37.416	14°29'05.38"
CT	2736.832	332327.016	6255849.250	122°27'36.67"			
TC	2740.724	332330.300	6255847.161	122°27'36.67"			
IP 140	2761.490	332347.977	6255835.917		R = -128.000	41.533	18°35'27.92"
CT	2782.257	332368.317	6255830.895	103°52'08.75"			
TC	2791.189	332376.989	6255828.754	103°52'08.75"			
IP 141	2797.633	332383.247	6255827.209		R = -198.000	12.888	3°43'45.67"
CT	2804.076	332389.592	6255826.074	100°08'23.08"			
TC	2879.383	332463.722	6255812.816	100°08'23.08"			
IP 142	2914.545	332499.002	6255806.507		R = -148.000	70.325	27°13'30.71"
CT	2949.708	332533.260	6255817.036	72°54'52.38"			
IP 143	2962.702	332545.680	6255820.854				
IP 144	2983.882	332565.946	6255827.010				
TC	2992.439	332574.134	6255829.494	73°07'11.21"			
IP 145	2995.675	332577.235	6255830.435		R = -50.000	6.472	7°24'57.65"
CT	2998.911	332580.189	6255831.769	65°42'13.56"			
TC	3004.676	332585.444	6255834.141	65°42'13.56"			
IP 146	3007.245	332587.787	6255835.199		R = 50.000	5.137	5°53'12.45"
CC	3009.813	332590.226	6255836.011	71°35'26.01"			
IP 147	3017.436	332597.463	6255838.420		R = -176.500	15.246	4°56'57.30"
CC	3025.060	332604.466	6255841.444	66°38'28.71"			
IP 148	3026.717	332605.988	6255842.101		R = 50.000	3.314	3°47'52.69"
CT	3028.374	332607.550	6255842.656	70°26'21.40"			
TC	3036.240	332614.962	6255845.290	70°26'21.40"			
IP 149	3039.475	332618.014	6255846.374		R = -50.000	6.469	7°24'46.16"
CT	3042.709	332620.901	6255847.843	63°01'35.24"			
TC	3073.371	332648.227	6255861.751	63°01'35.24"			
IP 150	3076.905	332651.398	6255863.365		R = -25.000	7.069	16°12'02.92"
CC	3080.440	332653.993	6255865.800	46°49'32.32"			
IP 151	3083.974	332656.588	6255868.234		R = 25.000	7.069	16°12'02.92"
CT	3087.509	332659.759	6255869.848	63°01'35.24"			
IP 152	3090.499	332662.425	6255871.204				
IP 153	3094.029	332665.591	6255872.816		R = 25.000	7.059	16°10'41.08"
CC	3097.558	332669.081	6255873.482	79°12'16.31"			
IP 154	3101.100	332672.584	6255874.149		R = -25.000	7.083	16°13'59.01"
CT	3104.641	332675.760	6255875.770	62°58'17.30"			
TC	3139.957	332707.218	6255891.818	62°58'17.30"			
IP 155	3141.840	332708.915	6255892.684		R = -10.000	3.765	21°34'16.09"
CT	3143.722	332710.175	6255894.113	41°24'01.22"			
TC	3146.152	332711.782	6255895.936	41°24'01.22"			
IP 156	3148.076	332713.071	6255897.397		R = 10.000	3.849	22°03'01.12"
CT	3150.001	332714.814	6255898.268	63°27'02.34"			

HORIZONTAL ALIGNMENT REPORT - MC10

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
TC	3166.965	332729.989	6255905.851	63°27'02.34"			
IP 157	3168.784	332731.635	6255906.673		R = 10.000	3.638	20°50'33.57"
CT	3170.603	332733.465	6255906.856	84°17'35.90"			
TC	3173.162	332736.011	6255907.110	84°17'35.90"			
IP 158	3174.886	332737.743	6255907.283		R = -10.000	3.447	19°44'55.08"
CT	3176.609	332739.315	6255908.032	64°32'40.83"			
IP 159	3211.455	332770.778	6255923.009				
TC	3235.331	332792.389	6255933.160	64°50'23.29"			
IP 160	3236.770	332793.692	6255933.772		R = -50.000	2.878	3°17'52.94"
CT	3238.209	332794.957	6255934.457	61°32'30.35"			
TC	3253.916	332808.766	6255941.942	61°32'30.35"			
IP 161	3254.872	332809.607	6255942.398		R = 25.000	1.911	4°22'49.52"
CT	3255.827	332810.480	6255942.788	65°55'19.87"			
IP 162	3259.279	332813.631	6255944.196				
IP 163	3274.047	332827.174	6255950.086				
TC	3281.027	332833.562	6255952.897	66°14'54.73"			
IP 164	3282.541	332834.993	6255953.527		R = -5.000	3.029	34°42'52.28"
CT	3284.056	332835.810	6255954.859	31°32'02.46"			
TC	3285.237	332836.427	6255955.865	31°32'02.46"			
IP 165	3286.844	332837.298	6255957.284		R = 5.000	3.213	36°49'13.86"
CT	3288.450	332838.845	6255957.898	68°21'16.32"			
IP 166	3291.840	332841.995	6255959.148	68°21'16.32"			

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Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ALIGNMENT AND DETAIL ALIGNMENT REPORT
MC10

Status: NOT FOR CONSTRUCTION

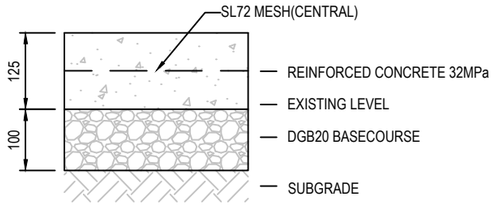
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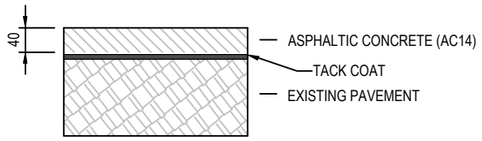
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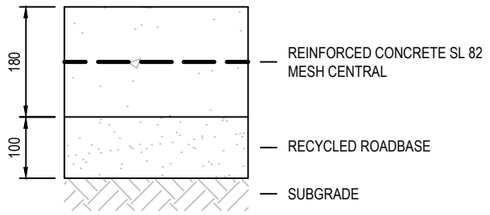
DATE PLOTTED: 28 May 2021 12:03 PM BY: KAREN SUTTON



PAVEMENT TYPE 1
CONCRETE SHARED PATH
SCALE 1:10



PAVEMENT TYPE 2
MILL & PAVE
SCALE 1:10



PAVEMENT TYPE 3
CONCRETE DRIVEWAY
SCALE 1:10

TYPE 1

TYPE 2

TYPE 3

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

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Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH PAVEMENT
PROFILES

Status: NOT FOR CONSTRUCTION

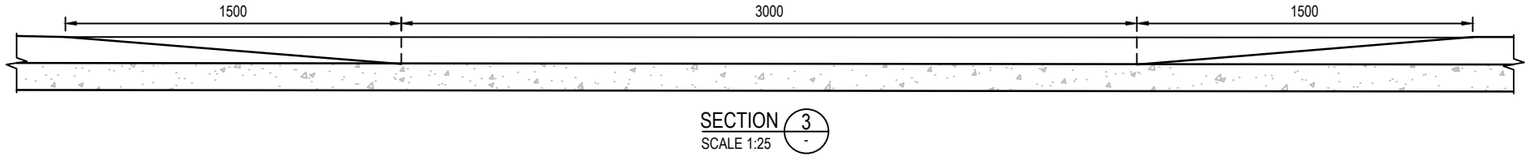
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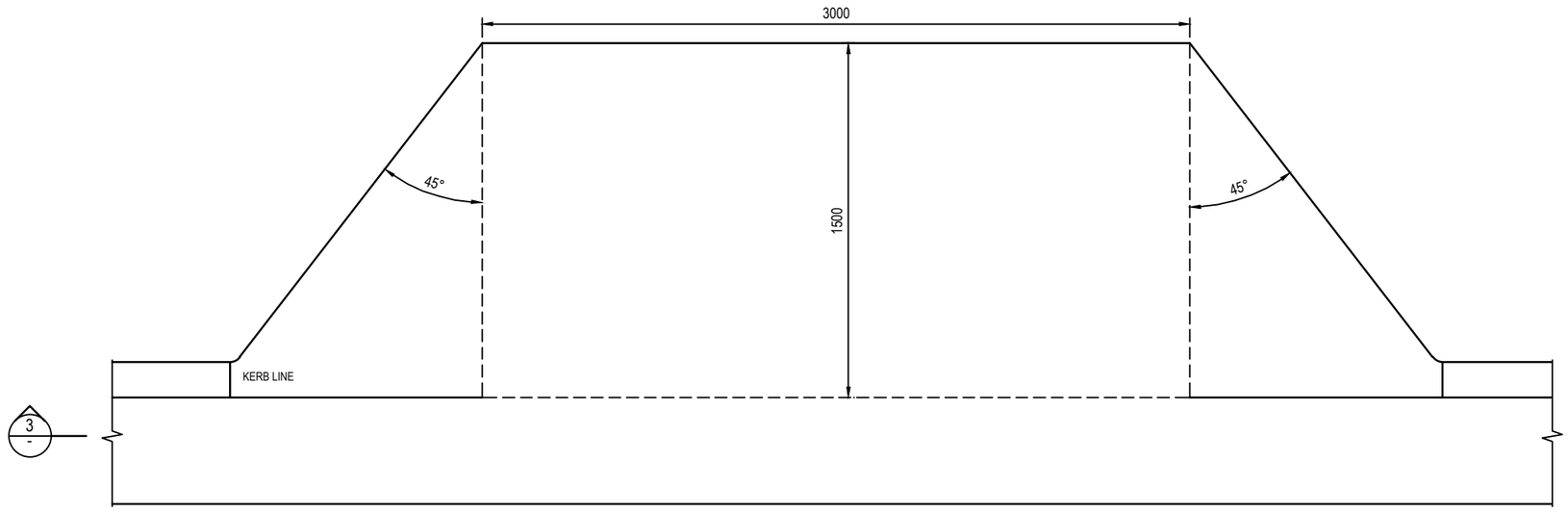
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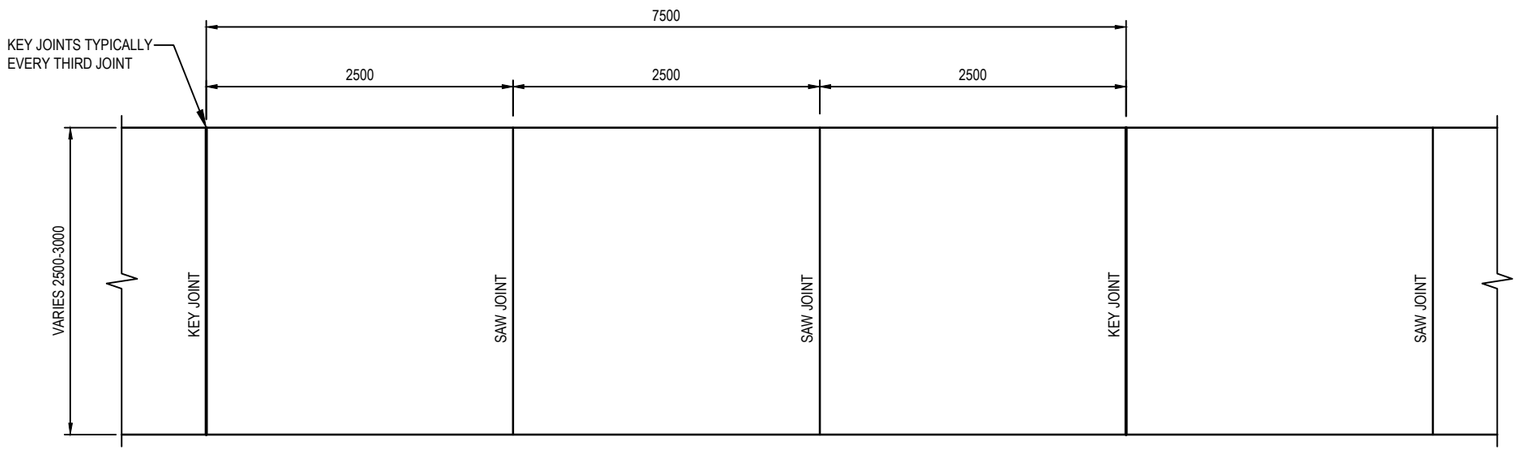
DATE PLOTTED: 28 May 2021 12:04 PM BY: KAREN SUTTON



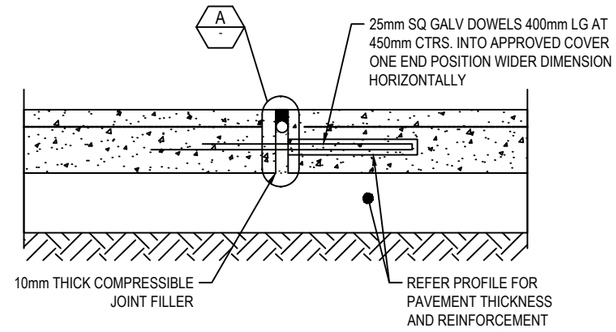
SECTION 3 / -
SCALE 1:25



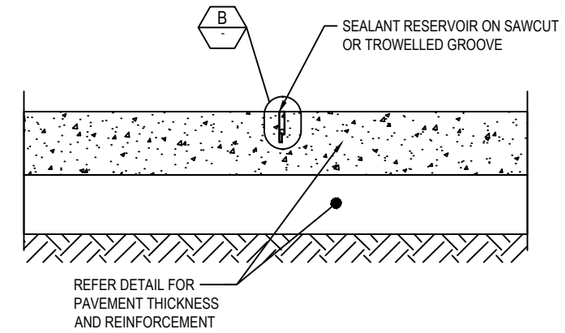
TYPICAL KERB RAMP DETAIL
SCALE 1:25
NOTE: KERB RAMPS AT SIGNAL CROSSINGS TO BE 3600
WIDE + WING AS PER APPROVED TCS DRAWINGS



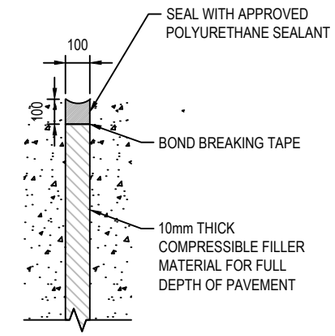
PLAN - 3.0m WIDE SHARED PATH
SCALE 1:50



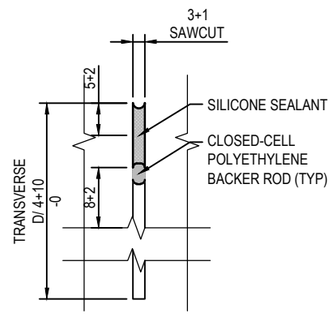
KEY EXPANSION JOINT (KJ) DETAIL
SCALE 1:25



SAW CONTROL JOINT (SJ)
SCALE 1:25



DETAIL A / -
SCALE 1:25



DETAIL B / -
SCALE 1:25

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

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SCALE 1:25mm
0 500 1000 1500 2000
SCALE 1:50mm

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Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH PAVEMENT
DETAILS

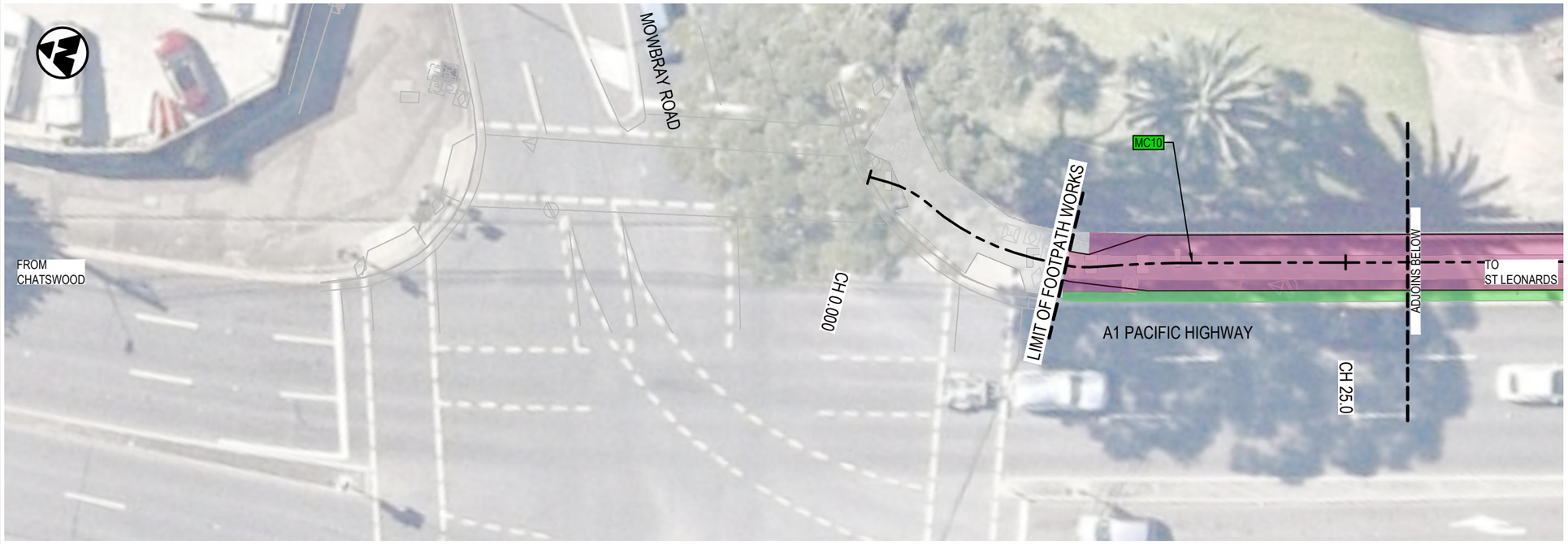
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Drawing Number: 80221028-DRG-R1-PV-0062 | Revision: 0

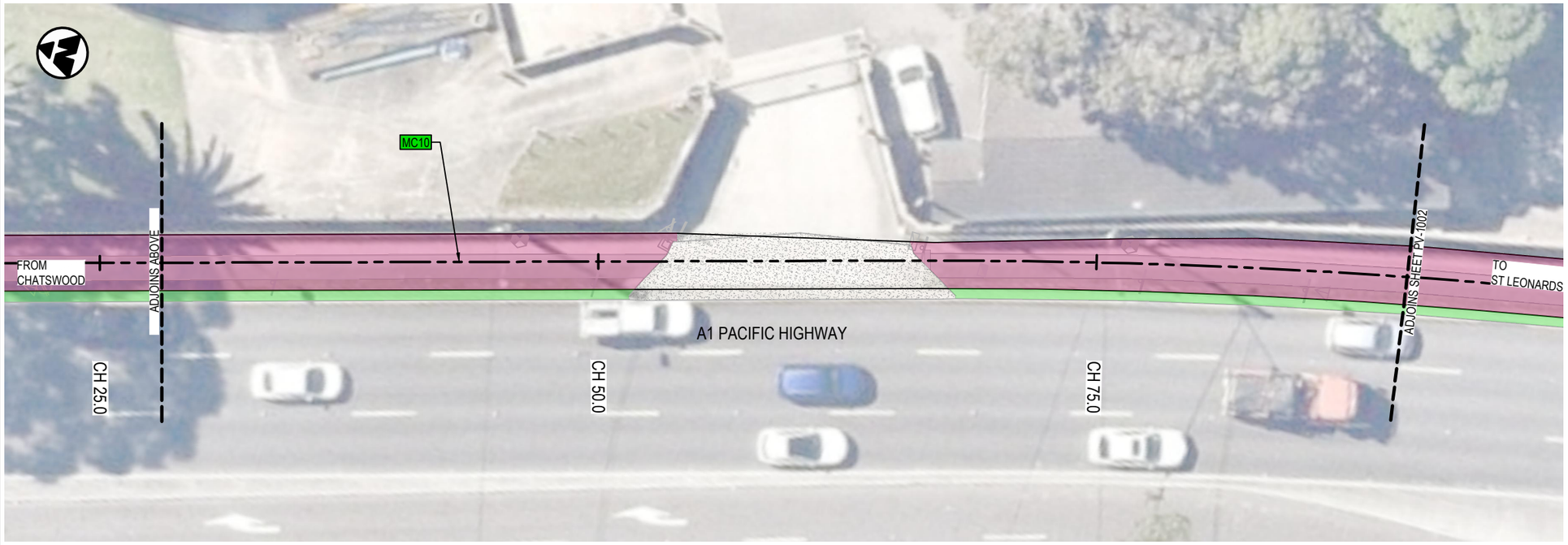
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DATE PLOTTED: 28 May 2021 12:08 PM BY: KAREN SUTTON

XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-PV; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-PV-DESN-PLAN; XRF-R1-RD-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-PV-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-GE-KEYP-PLAN; XRF-R1-PV-EXST-PAVE; XRF-R1-RD-DESN-CAD

CAD File: \\cardno.com\global\AU\NSW\Directory\Structure\Projects\80DFY21\028_Chatswood-St Leonards Cycleway\Drawings\Build\01_Dgn\01_Route-1-PAC_HWY80221028-DRG-R1-PV-1001.dwg





LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

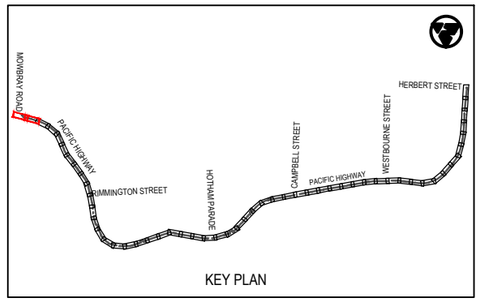
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- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. PV-0061 & PV-0062 FOR PAVEMENT DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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Web: www.cardno.com.au

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Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH PAVEMENT PLAN

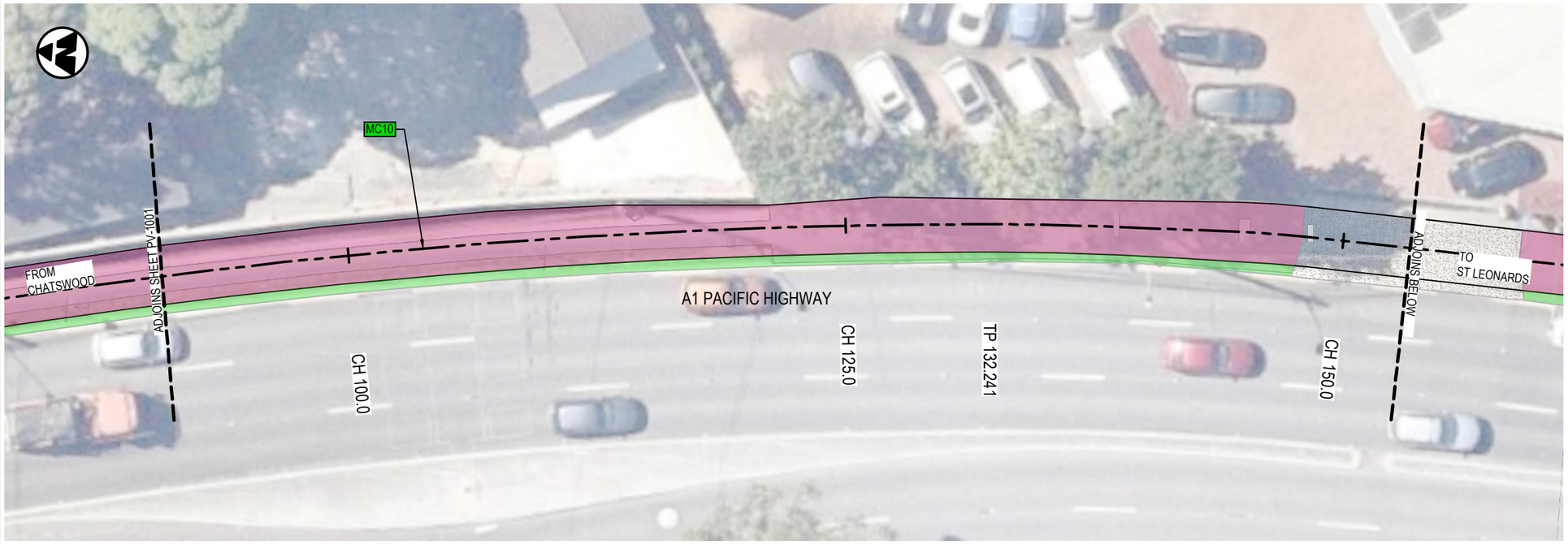
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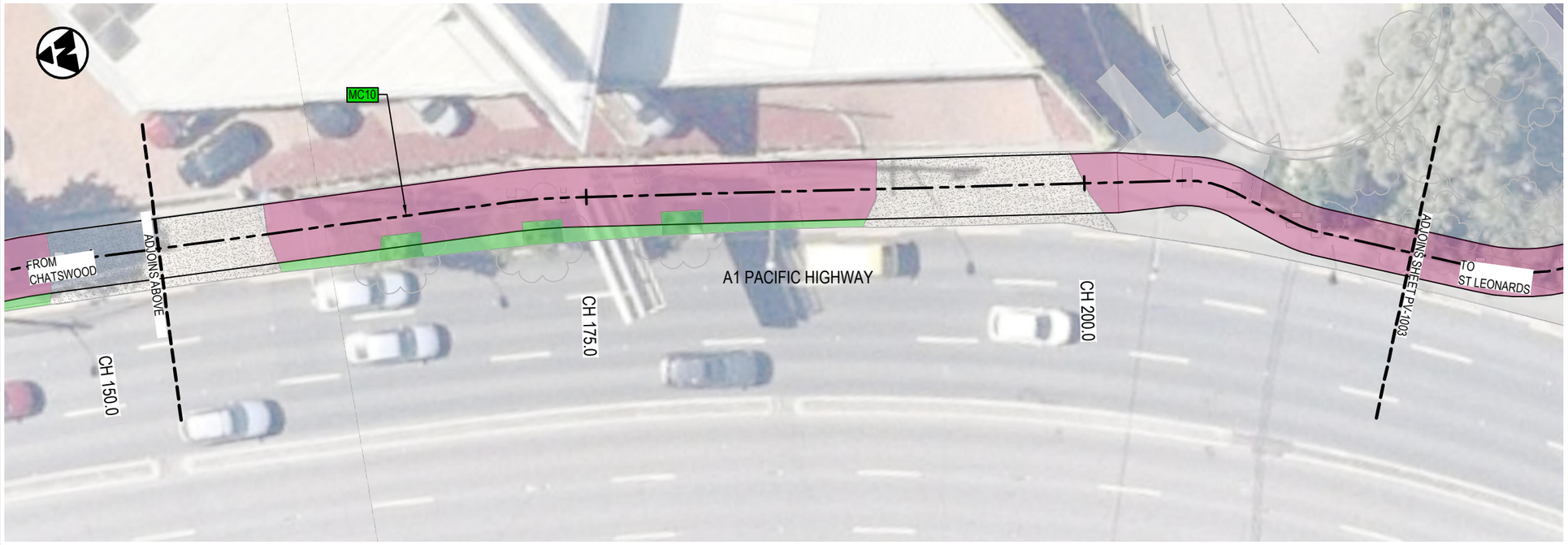
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Drawing Number: 80221028-DRG-R1-PV-1001

Revision: 0

DATE PLOTTED: 28 May 2021 12:13 PM BY: KAREN SUTTON
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CAD File: \\cardno.corp\global\AU\NSW\Directory\Structure\Projects\802\PY21028_Chatswood-St Leonards Cycleway\Drawings\Build\01_Drg\01_Route-1-PAC_HWY\80221028-DRG-R1-PV-1002.dwg





LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

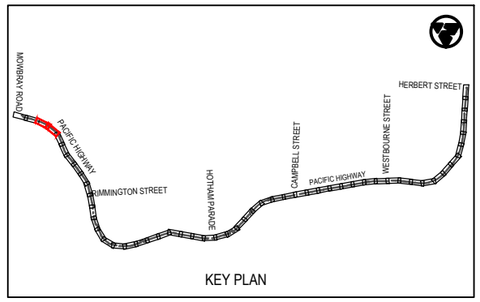
- PAVEMENT TYPE 1 - CONCRETE SHARED PATH
- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

NOTES:

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KEY PLAN

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SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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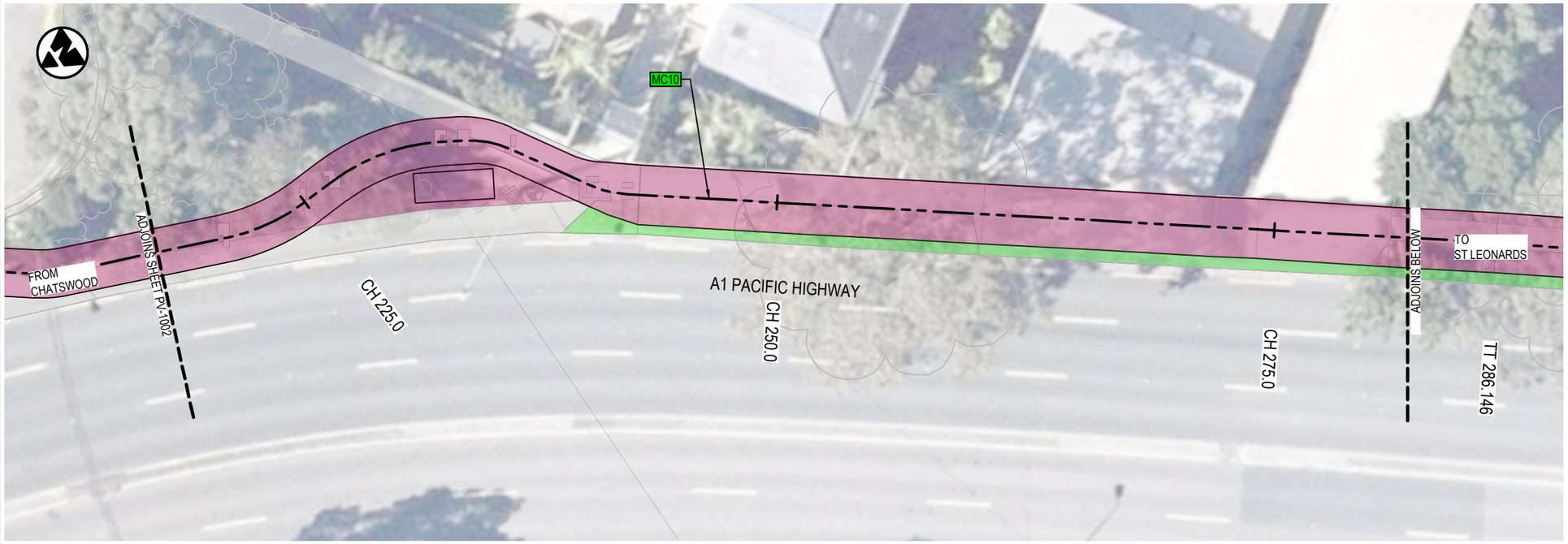
Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH PAVEMENT PLAN

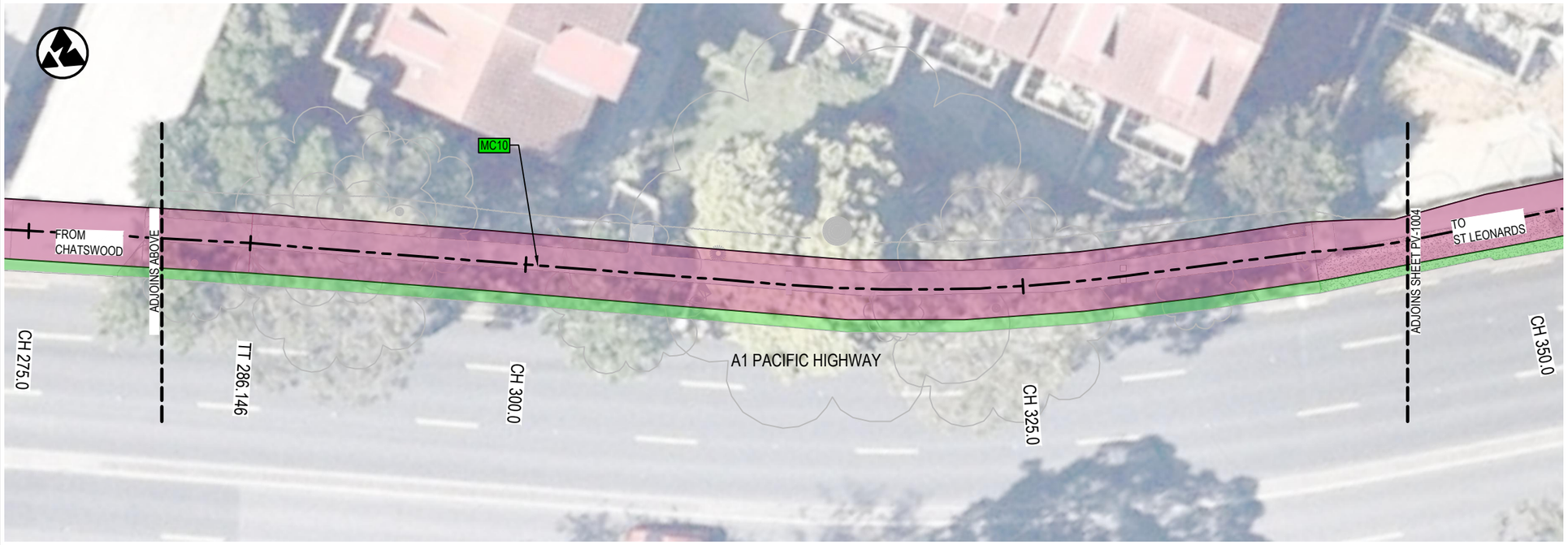
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Drawing Number: 80221028-DRG-R1-PV-1002
Revision: 0

DATE PLOTTED: 28 May 2021 12:17 PM BY: KAREN SUTTON
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LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

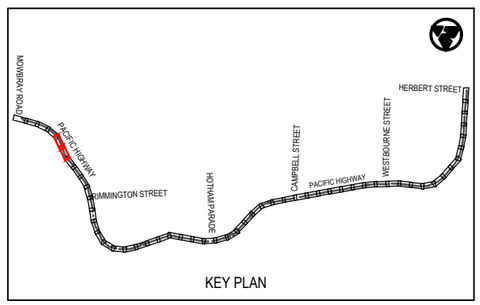
- PAVEMENT TYPE 1 - CONCRETE SHARED PATH
- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. PV-0061 & PV-0062 FOR PAVEMENT DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

0 2.5 5 7.5 10
SCALE 1:250m

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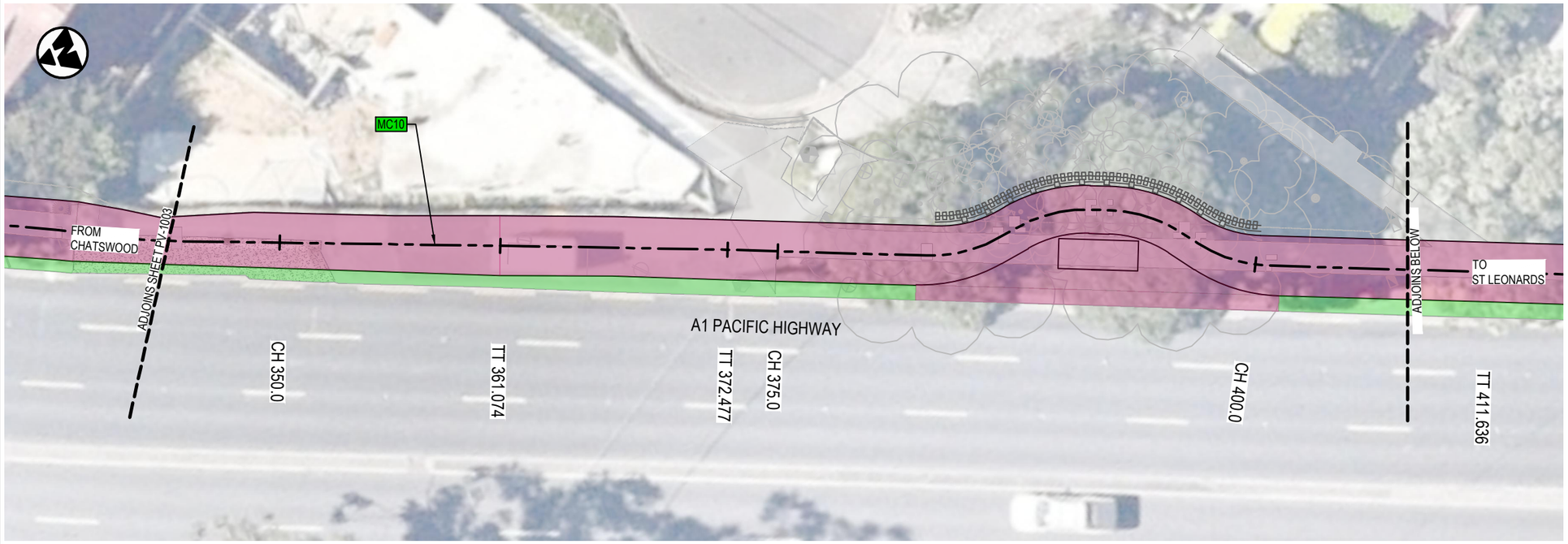
Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH PAVEMENT PLAN

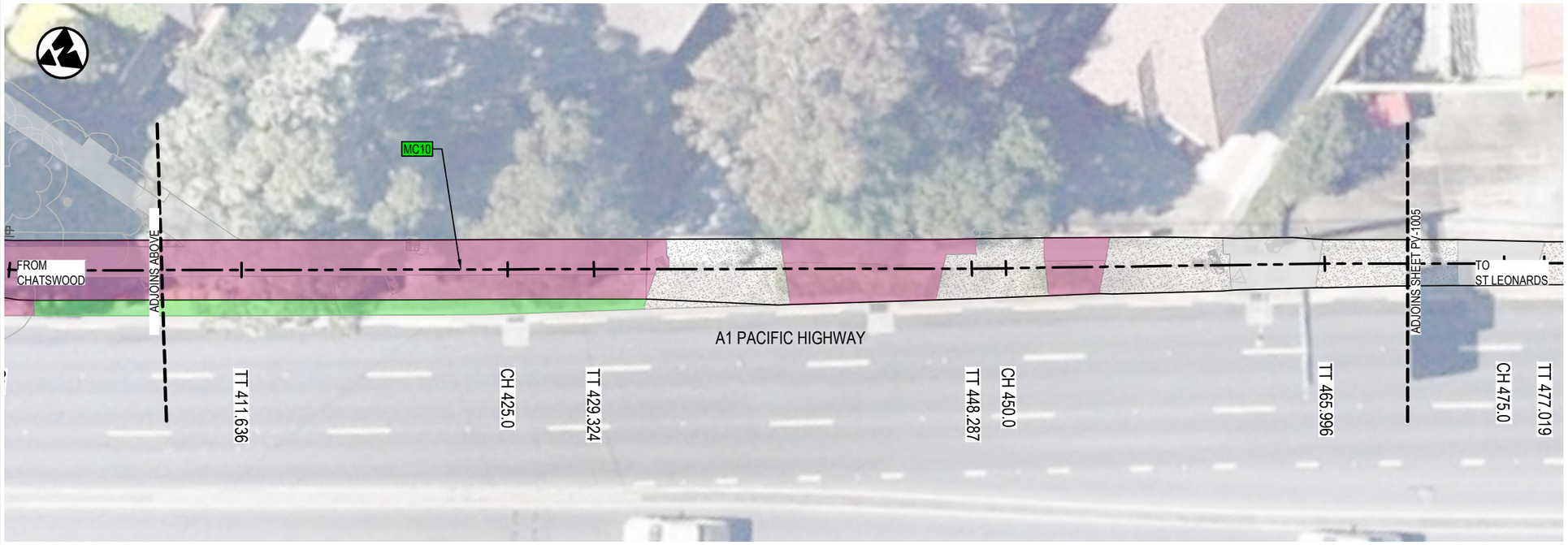
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Datum		Scale	Size
AHD	3 of 27	1:250m	A3

Drawing Number: 80221028-DRG-R1-PV-1003
Revision: 0

DATE PLOTTED: 28 May 2021 12:21 PM BY: KAREN SUTTON





LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

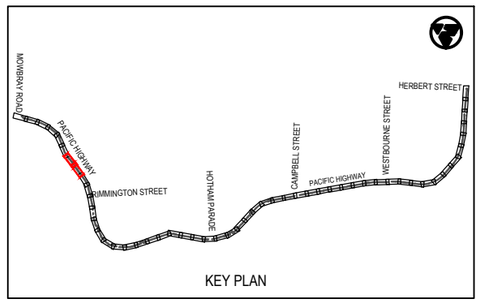
- PAVEMENT TYPE 1 - CONCRETE SHARED PATH
- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. PV-0061 & PV-0062 FOR PAVEMENT DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

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SCALE 1:250m

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Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH PAVEMENT PLAN

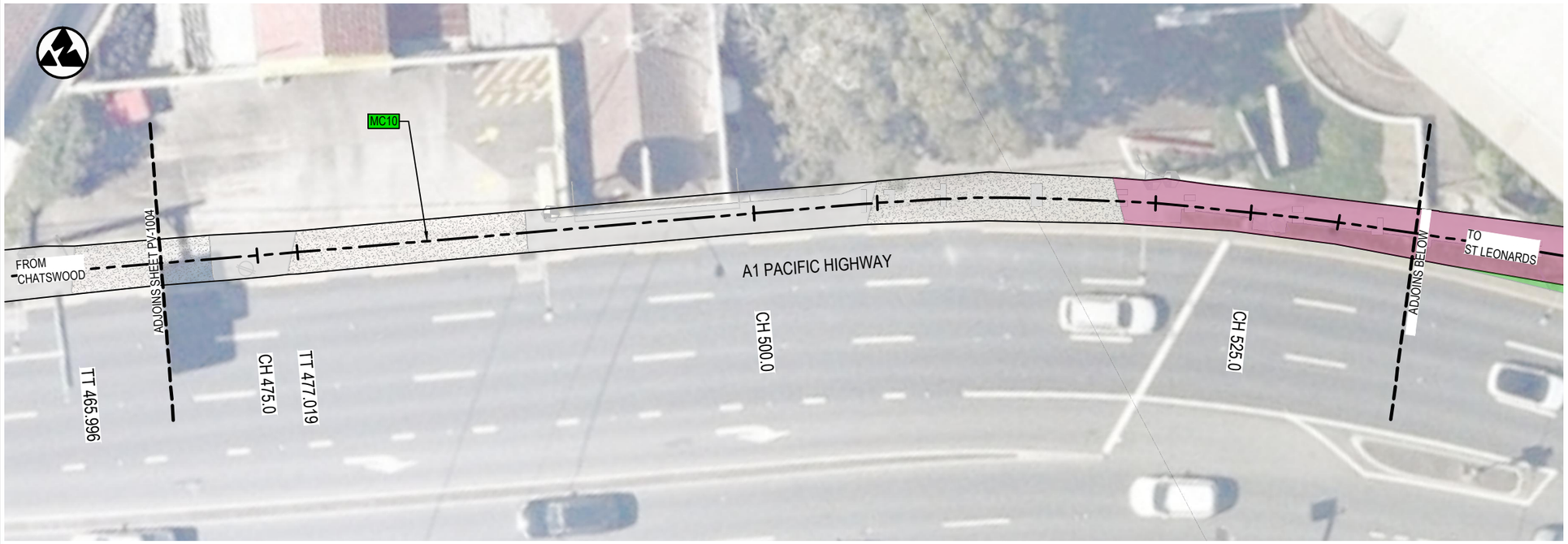
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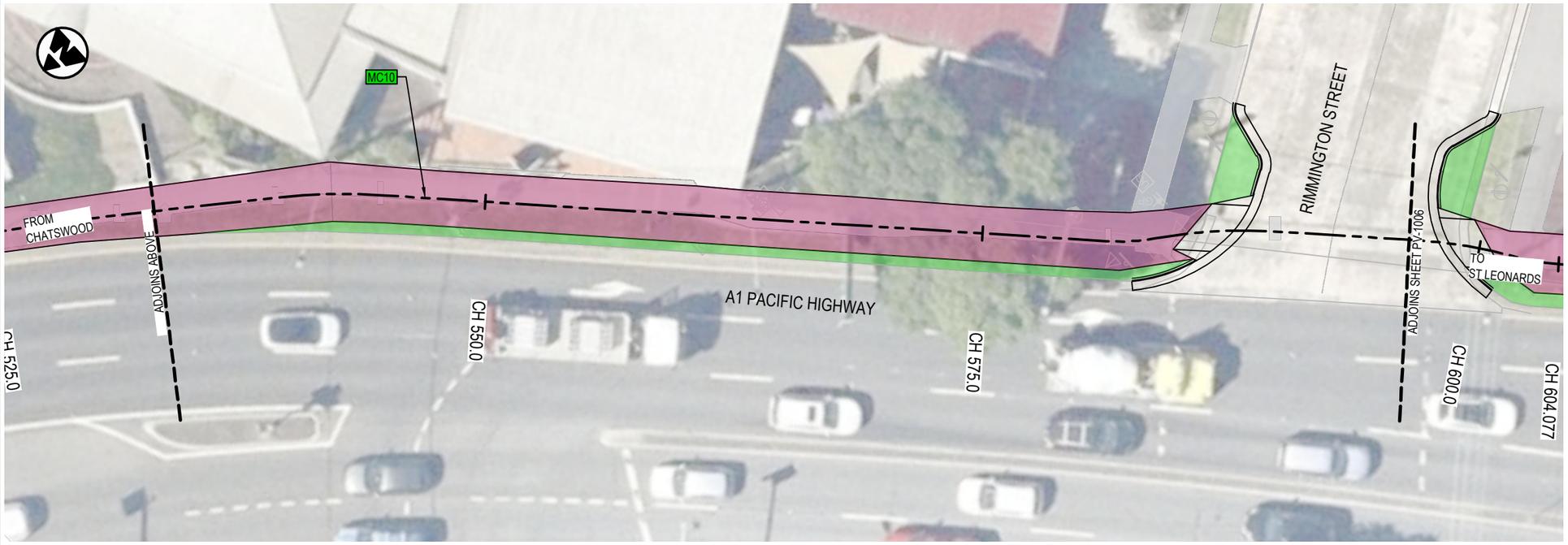
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Drawing Number: 80221028-DRG-R1-PV-1004
Revision: 0

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CAD File: \\cardno.corp\global\AU\NSW\Directory\Structure\Projects\8822\FY21\028_Chatswood-St Leonards Cycleway\D:drawings\Build\01_Dgn\01_Route-1-PAC_HWY\80221028-DRG-R1-PV-1004.dwg

DATE PLOTTED: 28 May 2021 12:23 PM BY: KAREN SUTTON





LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

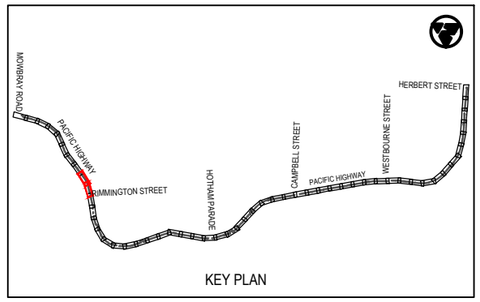
- PAVEMENT TYPE 1 - CONCRETE SHARED PATH
- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

NOTES:

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2. REFER TO DRAWING No. PV-0061 & PV-0062 FOR PAVEMENT DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

0 2.5 5 7.5 10
SCALE 1:250m

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Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH PAVEMENT PLAN

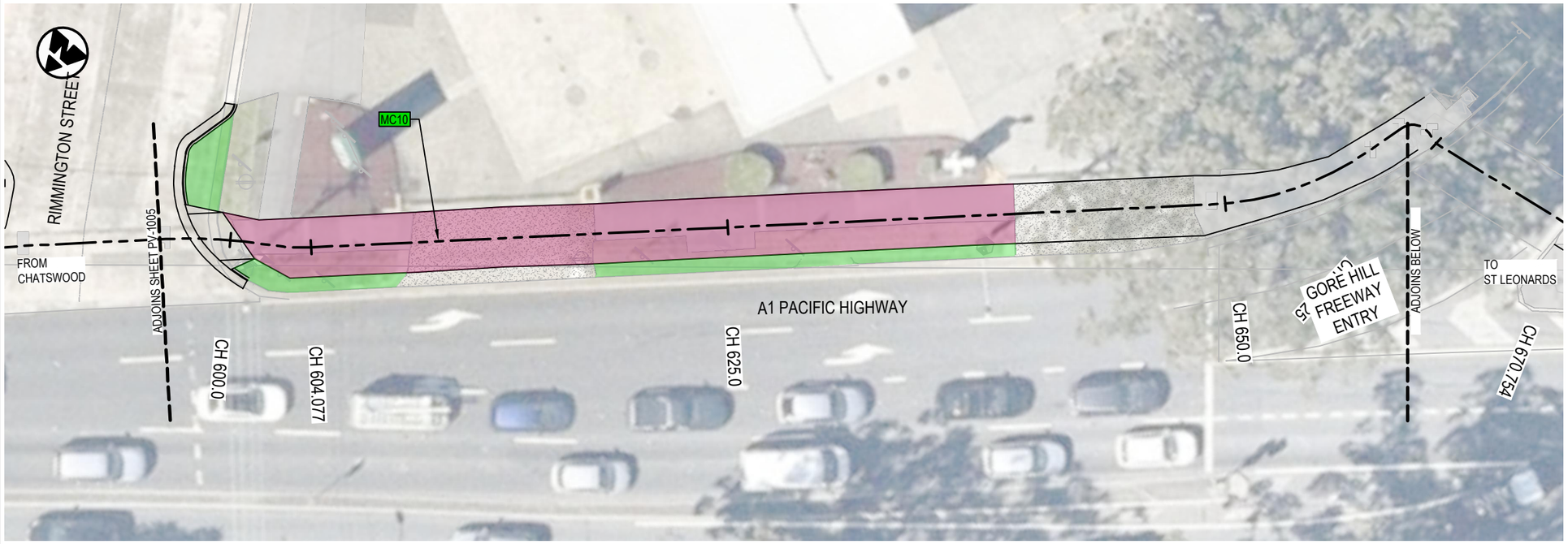
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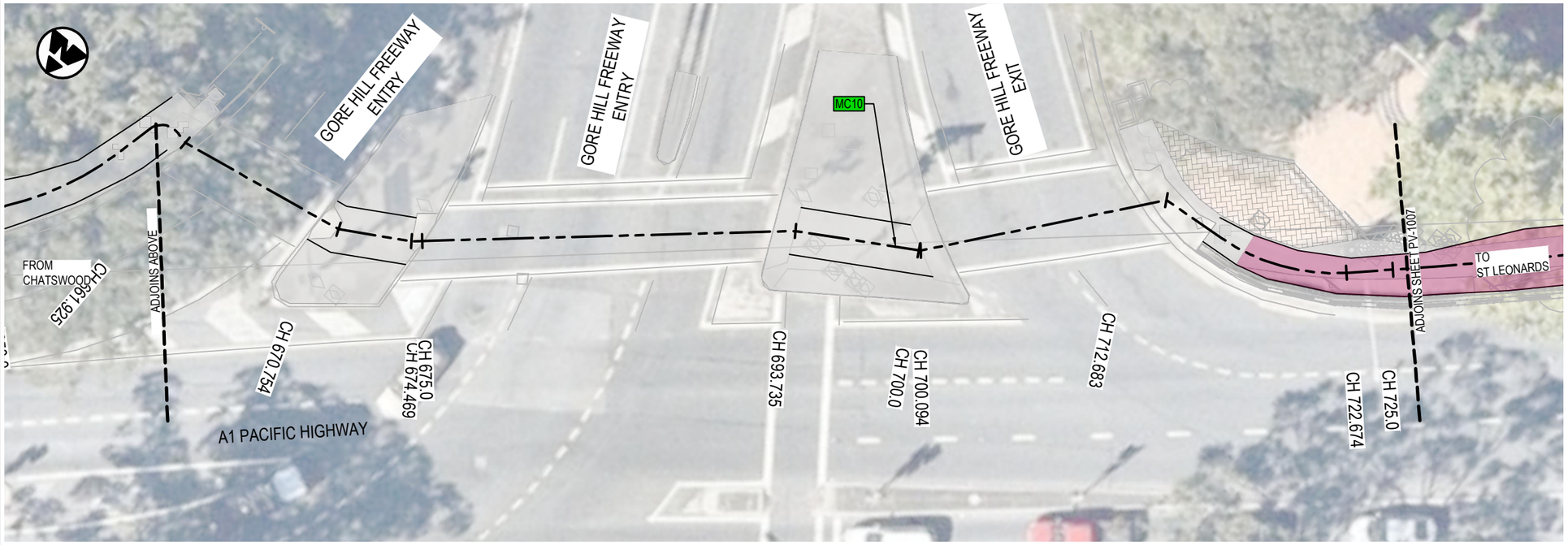
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AHD	5 of 27	1:250m	A3

Drawing Number: 80221028-DRG-R1-PV-1005

Revision: 0

XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-PV; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-PV-DESN-PLAN; XRF-R1-RD-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-PV-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-PV-KEYP-PLAN; XRF-R1-PV-EXST-PAVE; XRF-R1-RD-DESN-CAD
CAD File: \\cardno.com\global\AU\NSW\Directory\Structure\Projects\80ZOFY211028_Chatswood SS Leonards Cycleway\Drawings\Build\01_Dgn\01_Route-1-PAC_HWY\80221028-DRG-R1-PV-1005.dwg





LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

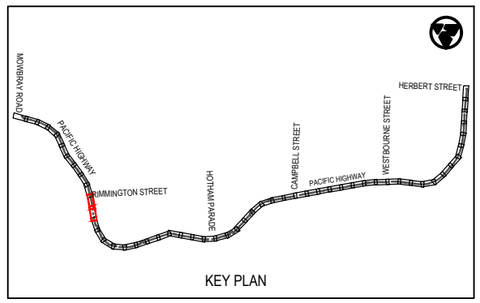
- PAVEMENT TYPE 1 - CONCRETE SHARED PATH
- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

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0 2.5 5 7.5 10
SCALE 1:250m

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Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH PAVEMENT PLAN

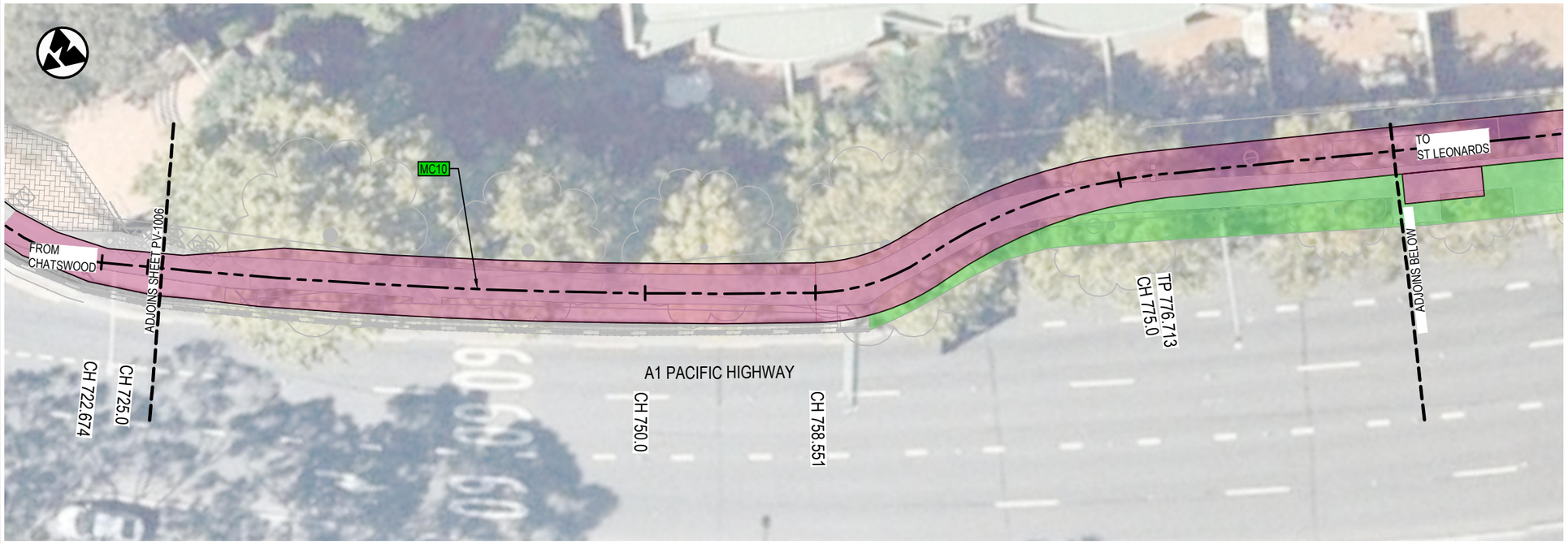
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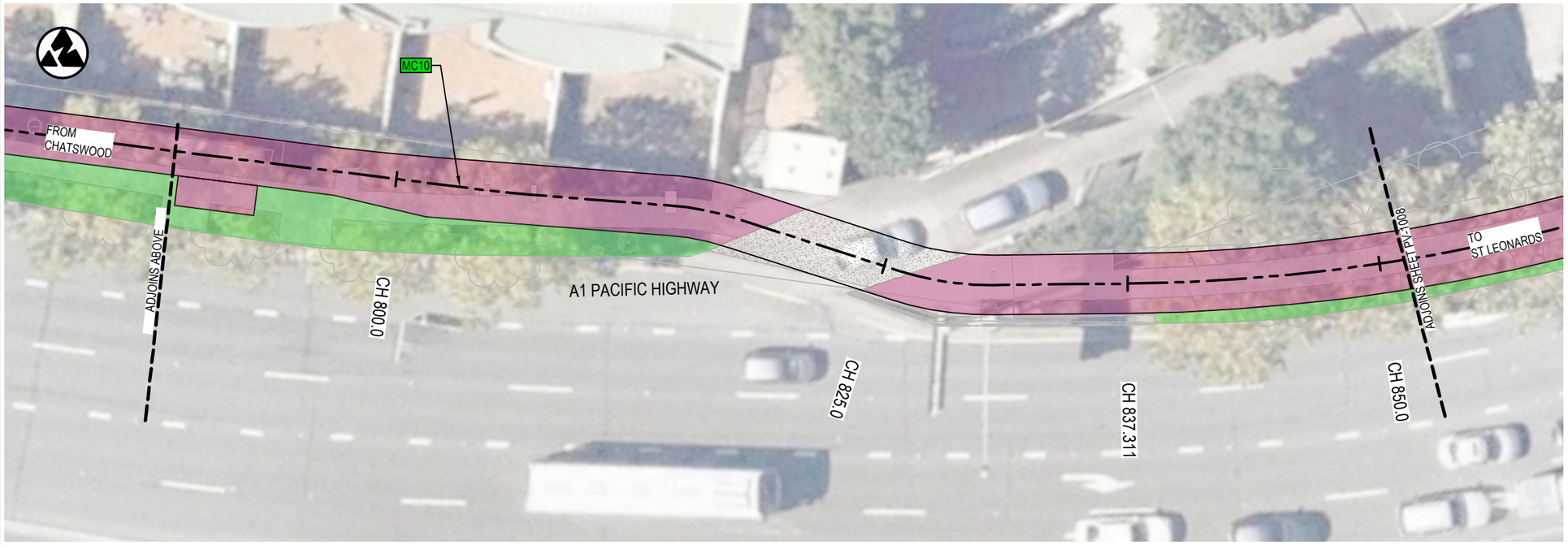
Datum		Scale	Size
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Drawing Number: 80221028-DRG-R1-PV-1006
Revision: 0

DATE PLOTTED: 28 May 2021 12:24 PM BY: KAREN SUTTON
XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-PV; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MASTR; XRF-R1-PV-DESN-PLAN; XRF-R1-RD-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-PV-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-PV-EXST-PAVE; XRF-R1-RD-DESN-CAD
CAD File: \\cardno.com\global\AU\NSW\Directory\Structure\Projects\80ZCFY21\028_Chatswood-St Leonards Cycleway\Drawings\Build\01_Dgn\01_Route-1-PAC_HWY\80221028-DRG-R1-PV-1006.dwg

DATE PLOTTED: 28 May 2021 12:26 PM BY: KAREN SUTTON





LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

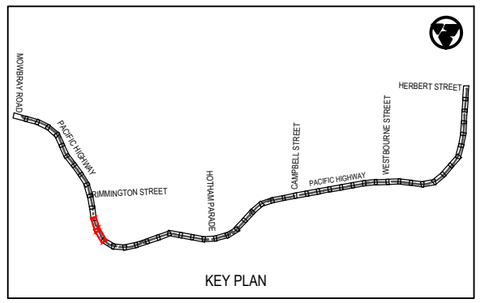
- PAVEMENT TYPE 1 - CONCRETE SHARED PATH
- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. PV-0061 & PV-0062 FOR PAVEMENT DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

0 2.5 5 7.5 10
SCALE 1:250m

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Web: www.cardno.com.au

		Date
Drawn	J.GUEVARRA	28.05.21
Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH PAVEMENT PLAN

Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
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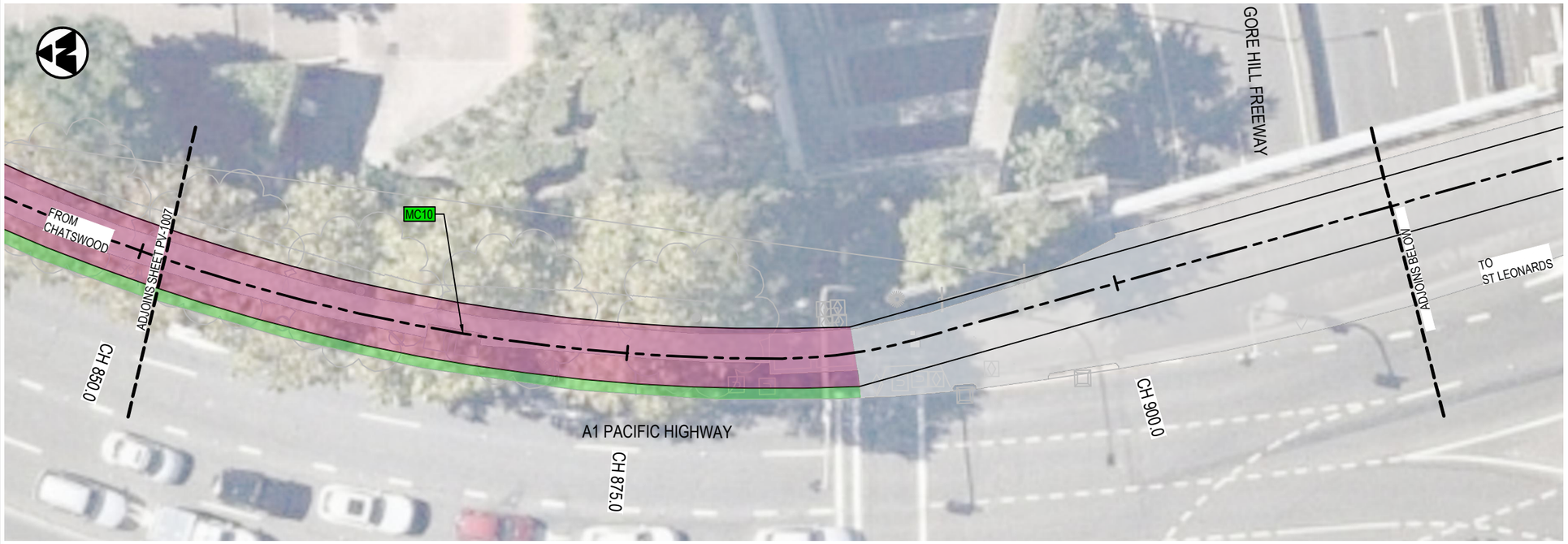
Drawing Number: 80221028-DRG-R1-PV-1007
Revision: 0

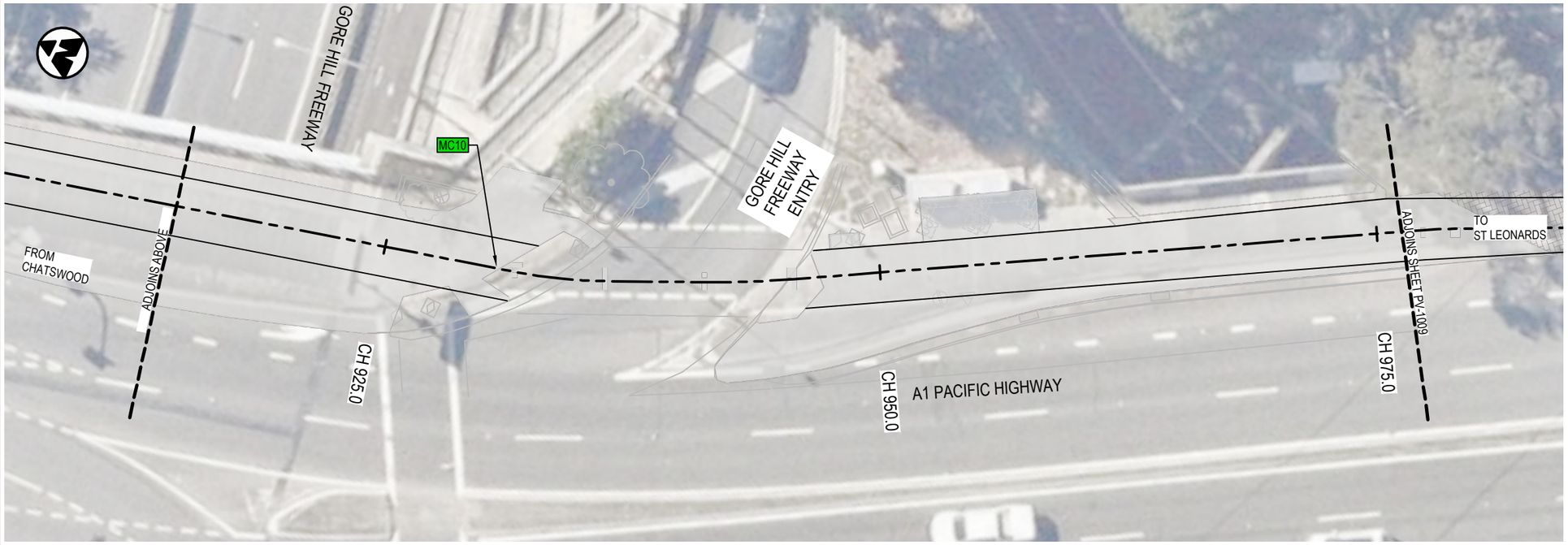
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CAD File: \\cardno.com\global\AU\NSW\Directory\Structure\Projects\80\2FY21028_Chatswood St Leonards Cycleway\Drawings\Build\01_Dcg\01_Route-1-PAC_HWY\80221028-DRG-R1-PV-1007.dwg

DATE PLOTTED: 28 May 2021 12:30 PM BY: KAREN SUTTON

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CAD File: \\cardno.com\global\AU\NSW\Directory\Structure\Projects\802\FY21\028_Chatswood-St Leonards Cycleway\Drawings\Build\001_Drg\01_Route-1-PAC_HWY\80221028-DRG-R1-PV-1008.dwg





LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

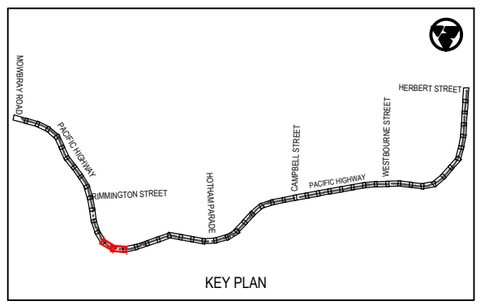
- PAVEMENT TYPE 1 - CONCRETE SHARED PATH
- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

NOTES:

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2. REFER TO DRAWING No. PV-0061 & PV-0062 FOR PAVEMENT DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH PAVEMENT PLAN

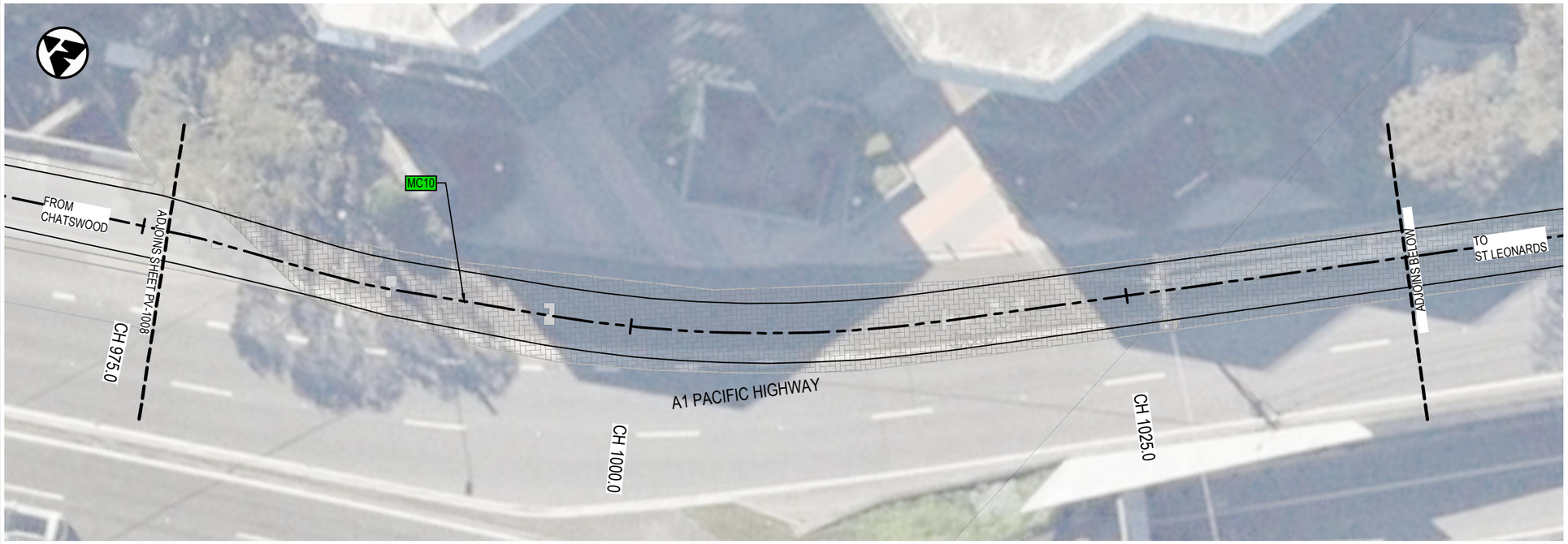
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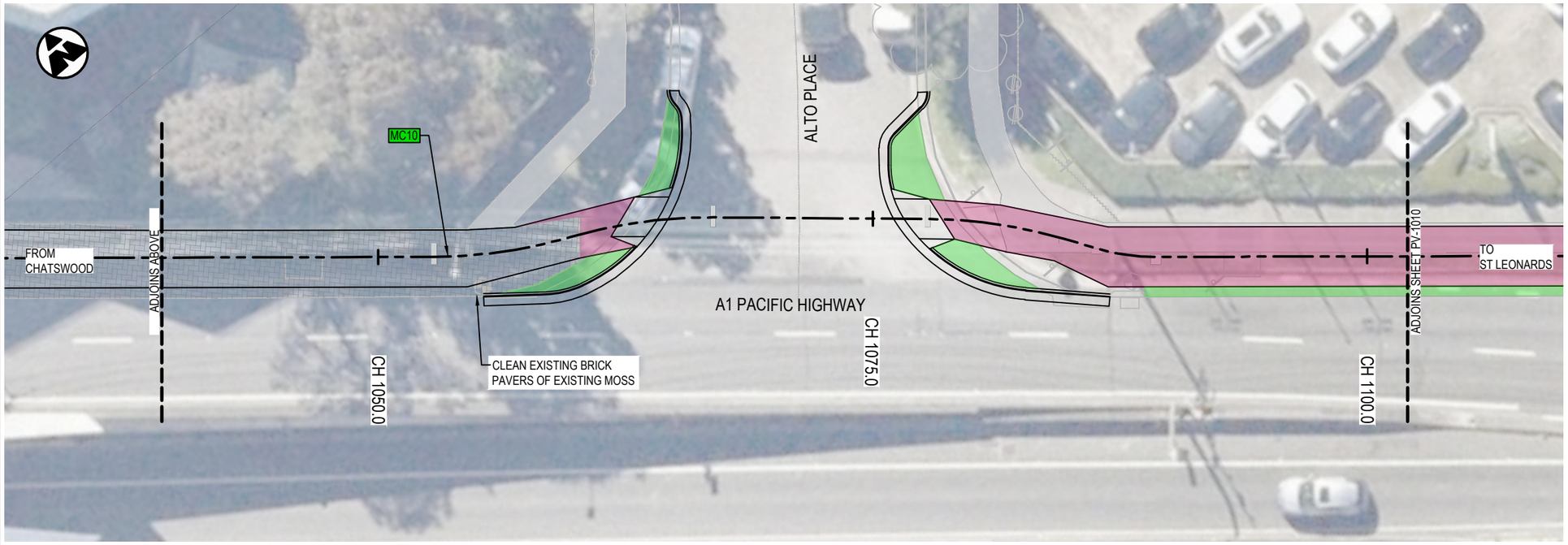
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Drawing Number: 80221028-DRG-R1-PV-1008

Revision: 0

DATE PLOTTED: 28 May 2021 12:32 PM BY: KAREN SUTTON
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LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

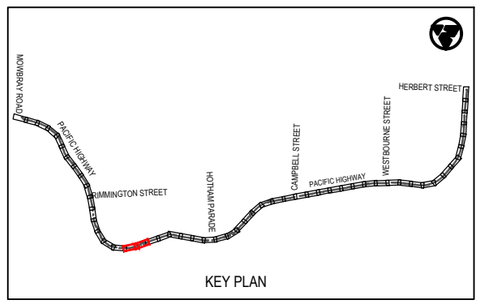
- PAVEMENT TYPE 1 - CONCRETE SHARED PATH
- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. PV-0061 & PV-0062 FOR PAVEMENT DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

0 2.5 5 7.5 10
SCALE 1:250m

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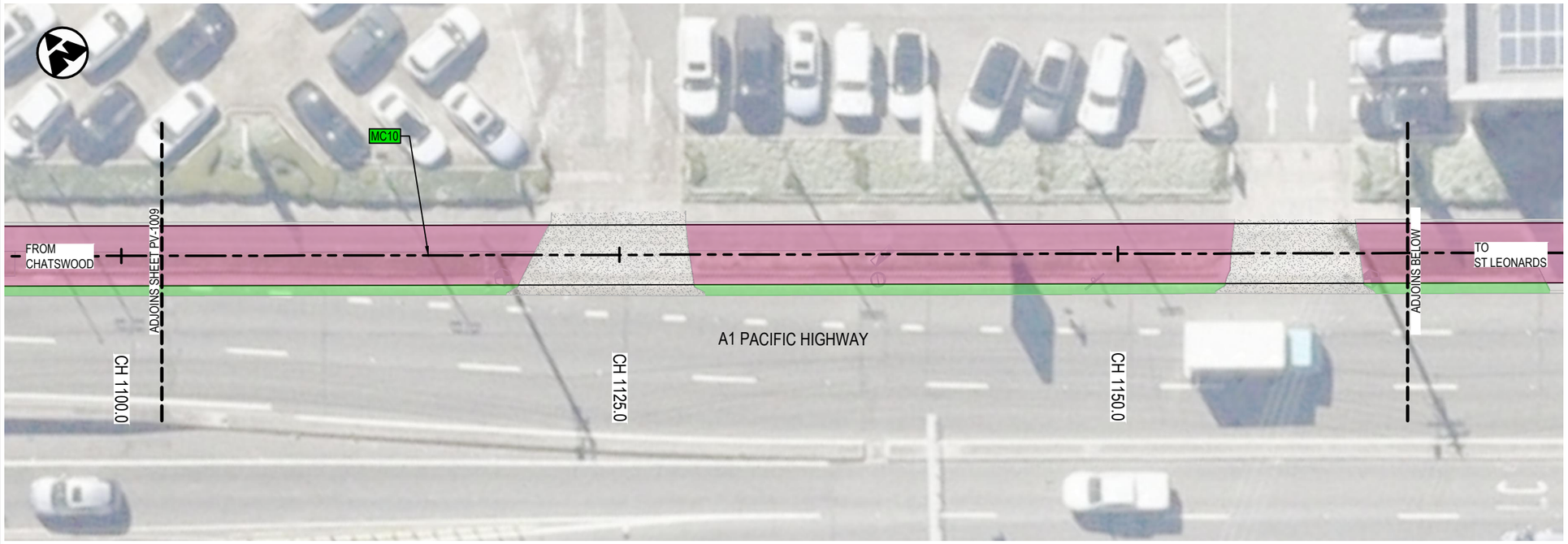
Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH PAVEMENT PLAN

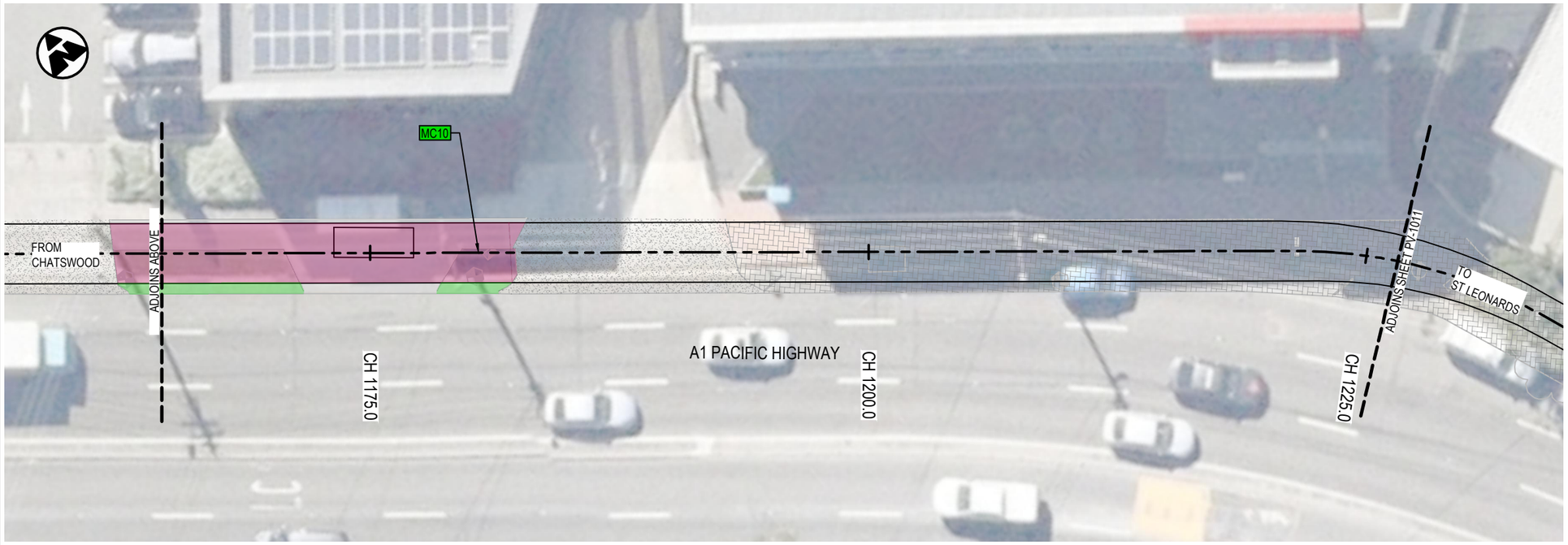
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Drawing Number: 80221028-DRG-R1-PV-1009
Revision: 0

DATE PLOTTED: 28 May 2021 12:32 PM BY: KAREN SUTTON





LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

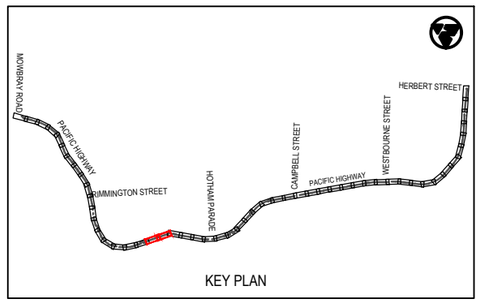
- PAVEMENT TYPE 1 - CONCRETE SHARED PATH
- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

NOTES:

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KEY PLAN

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0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

0 2.5 5 7.5 10
SCALE 1:250m

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Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH PAVEMENT PLAN

Status: NOT FOR CONSTRUCTION

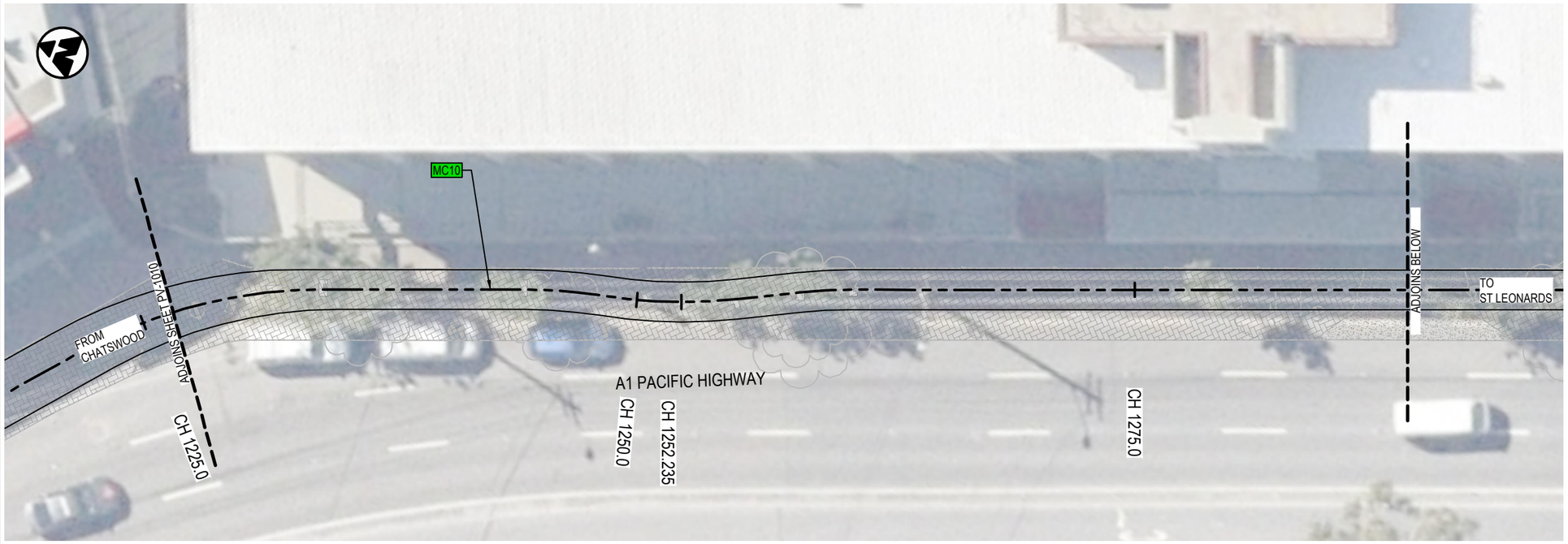
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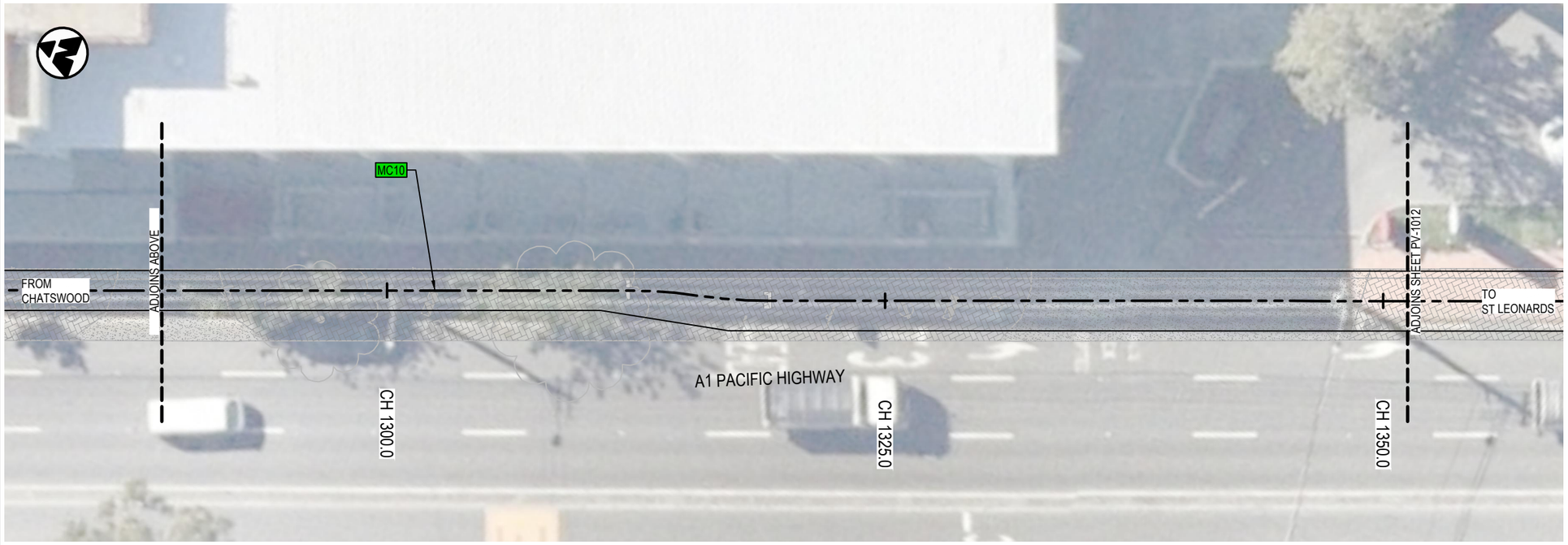
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Revision: 0

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DATE PLOTTED: 28 May 2021 12:35 PM BY: KAREN SUTTON

XREF's: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-PV; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-PV-DESN-PLAN; XRF-R1-RD-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-PV-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-GE-KEYP-PLAN;
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LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

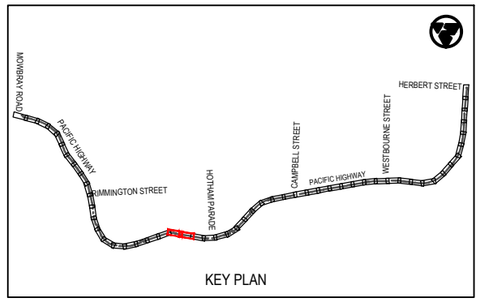
- PAVEMENT TYPE 1 - CONCRETE SHARED PATH
- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

NOTES:

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KEY PLAN

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SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH PAVEMENT PLAN

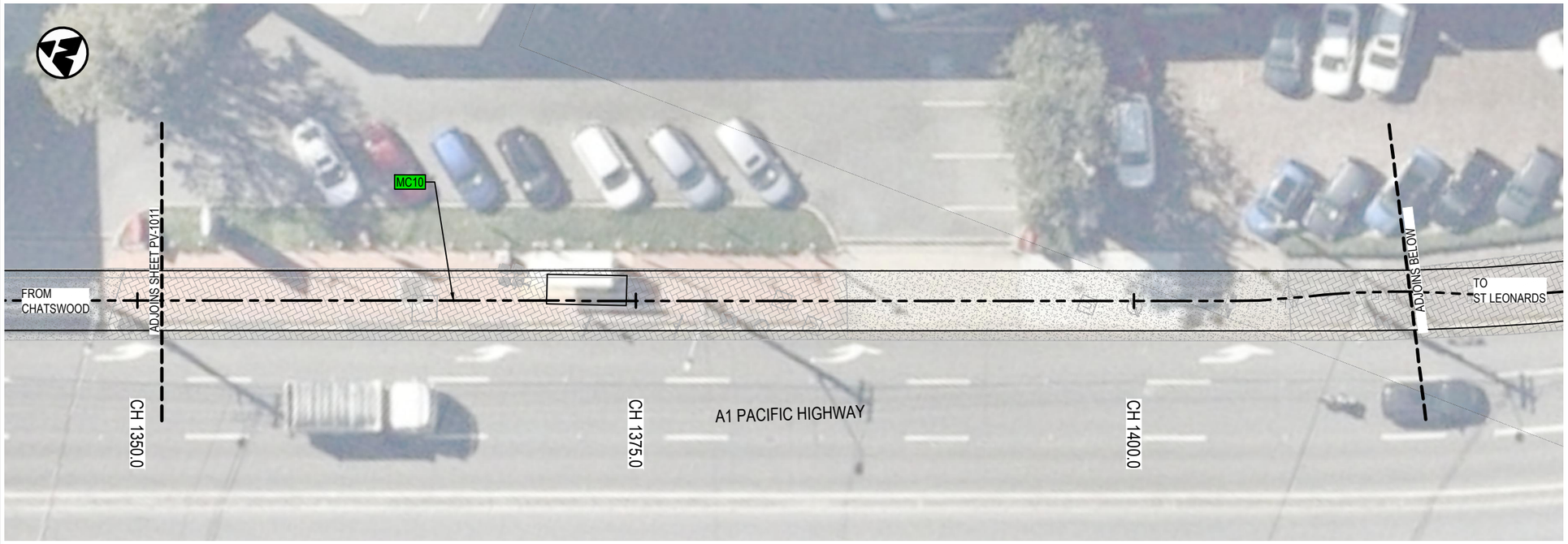
Status: NOT FOR CONSTRUCTION

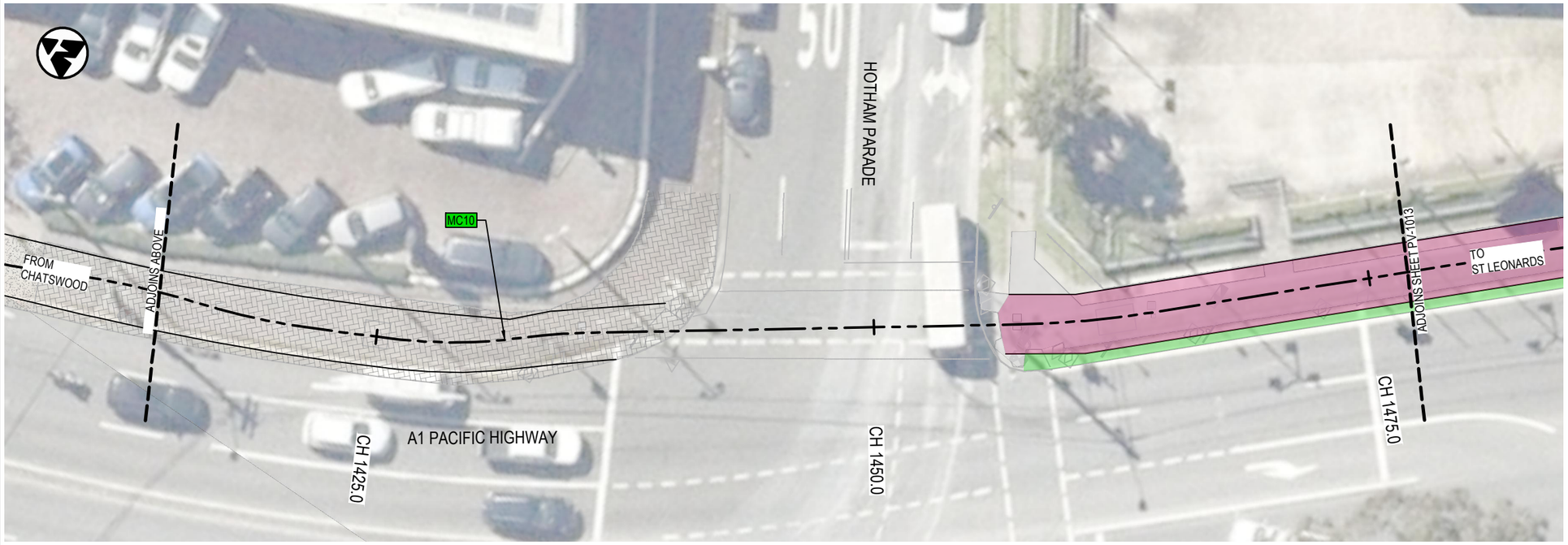
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Drawing Number: 80221028-DRG-R1-PV-1011

Revision: 0

DATE PLOTTED: 28 May 2021 12:38 PM BY: KAREN SUTTON





LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

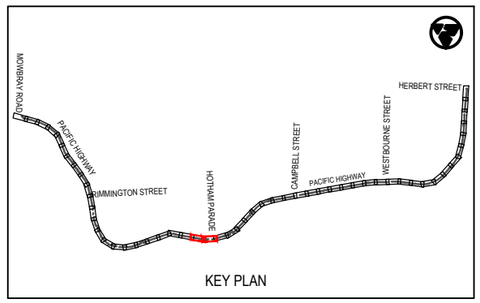
- PAVEMENT TYPE 1 - CONCRETE SHARED PATH
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- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

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KEY PLAN

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SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH PAVEMENT PLAN

Status: NOT FOR CONSTRUCTION

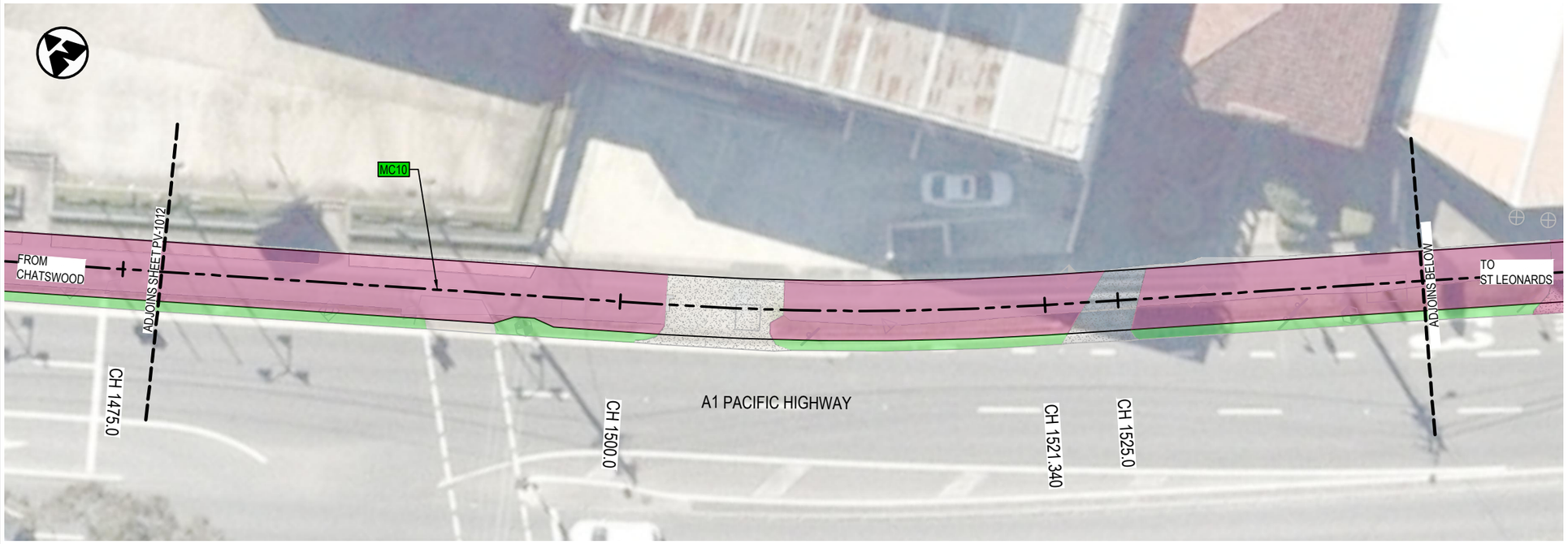
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AHD	12 of 27	1:250m	A3

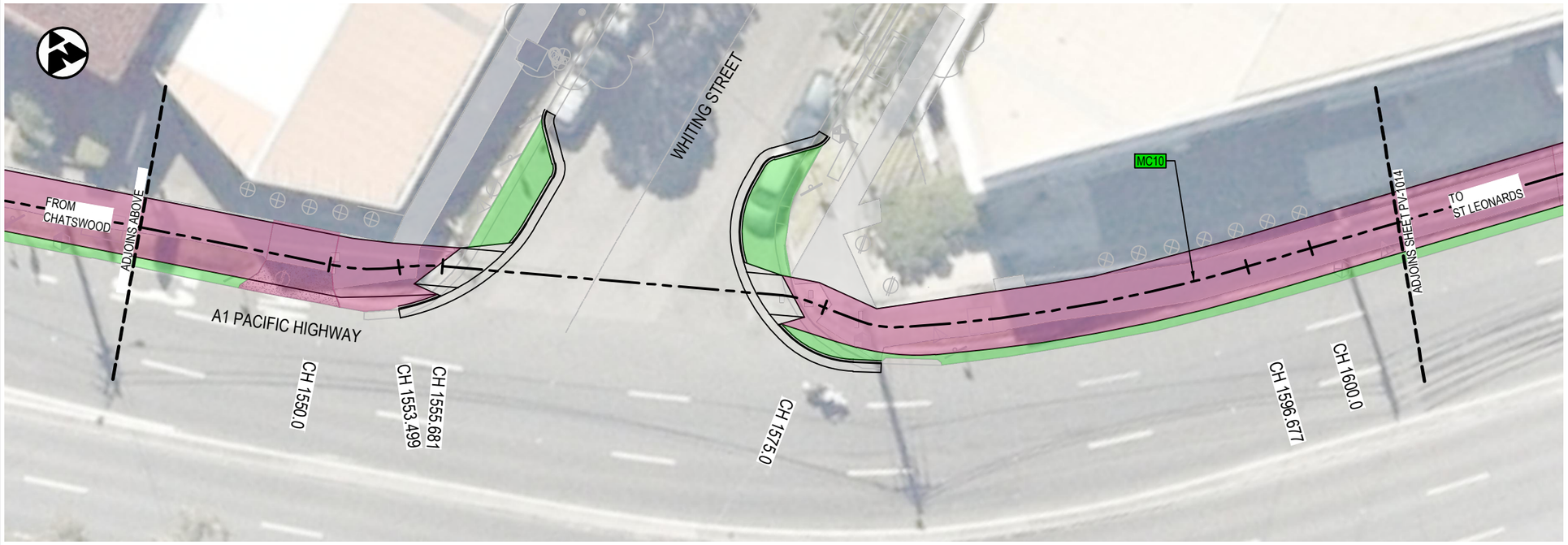
Drawing Number: 80221028-DRG-R1-PV-1012

Revision: 0

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DATE PLOTTED: 28 May 2021 12:39 PM BY: KAREN SUTTON
XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-PV; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-PV-DESN-PLAN; XRF-R1-RD-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-PV-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-PV-EXST-PAVE; XRF-R1-RD-DESN-CAD
CAD File: \\cardno.com\global\AU\NSW\Directory\Structure\Projects\80221\FY21\028_Chatswood-St Leonards Cycleway\Drawings\Bulk\001_Drg\01_Route-1-PAC_HWY\80221028-DRG-R1-PV-1013.dwg





LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

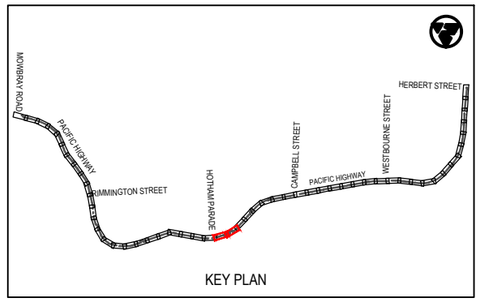
- PAVEMENT TYPE 1 - CONCRETE SHARED PATH
- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. PV-0061 & PV-0062 FOR PAVEMENT DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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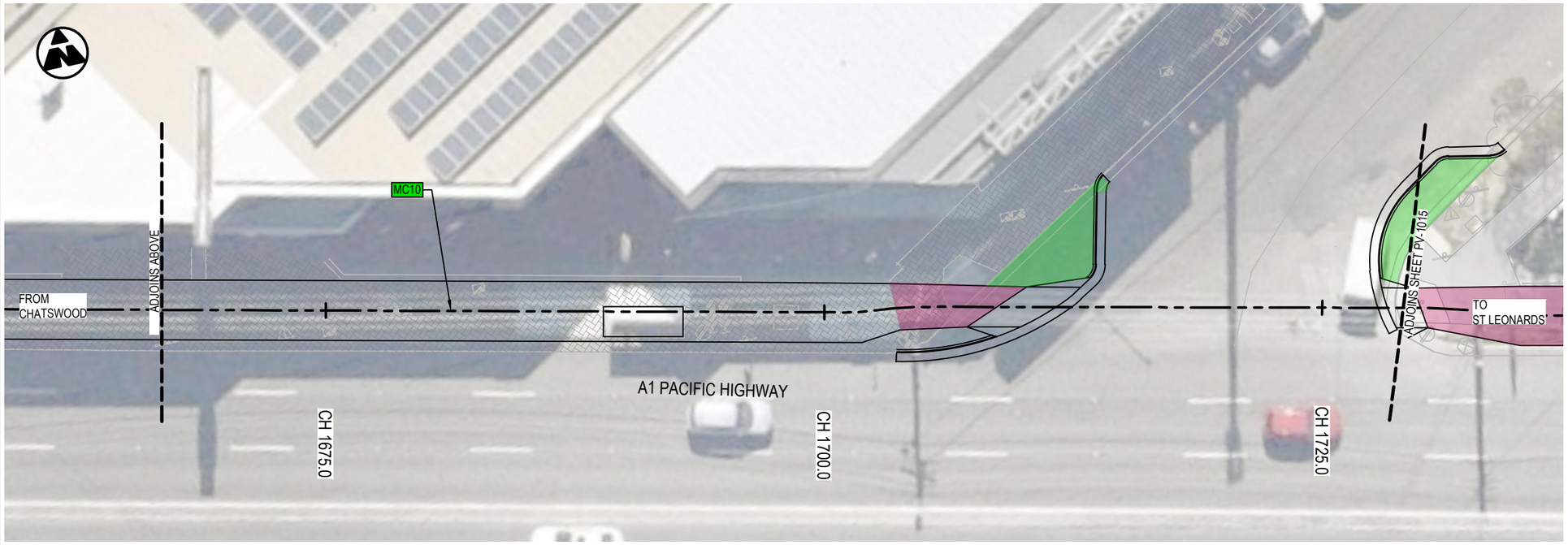
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St. Leonards, NSW 2065
Tel: 02 9496 7700 Fax: 02 9439 5170
Web: www.cardno.com.au

		Date
Drawn	J.GUEVARRA	28.05.21
Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH PAVEMENT PLAN

Status: NOT FOR CONSTRUCTION
Datum: AHD | 13 of 27 | Scale: 1:250m | Size: A3
Drawing Number: 80221028-DRG-R1-PV-1013 | Revision: 0





LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

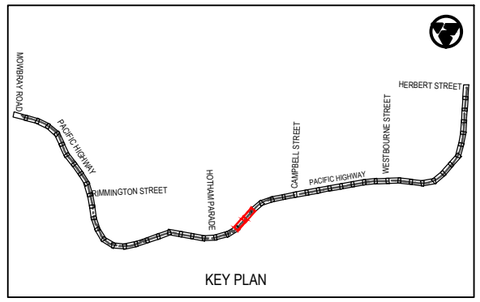
- PAVEMENT TYPE 1 - CONCRETE SHARED PATH
- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

NOTES:

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2. REFER TO DRAWING No. PV-0061 & PV-0062 FOR PAVEMENT DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

0 2.5 5 7.5 10
SCALE 1:250m

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Designed	D.BALL	Date 28.05.21
Verified	J.HODSON	Date 28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH PAVEMENT PLAN

Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
AHD	14 of 27	1:250m	A3

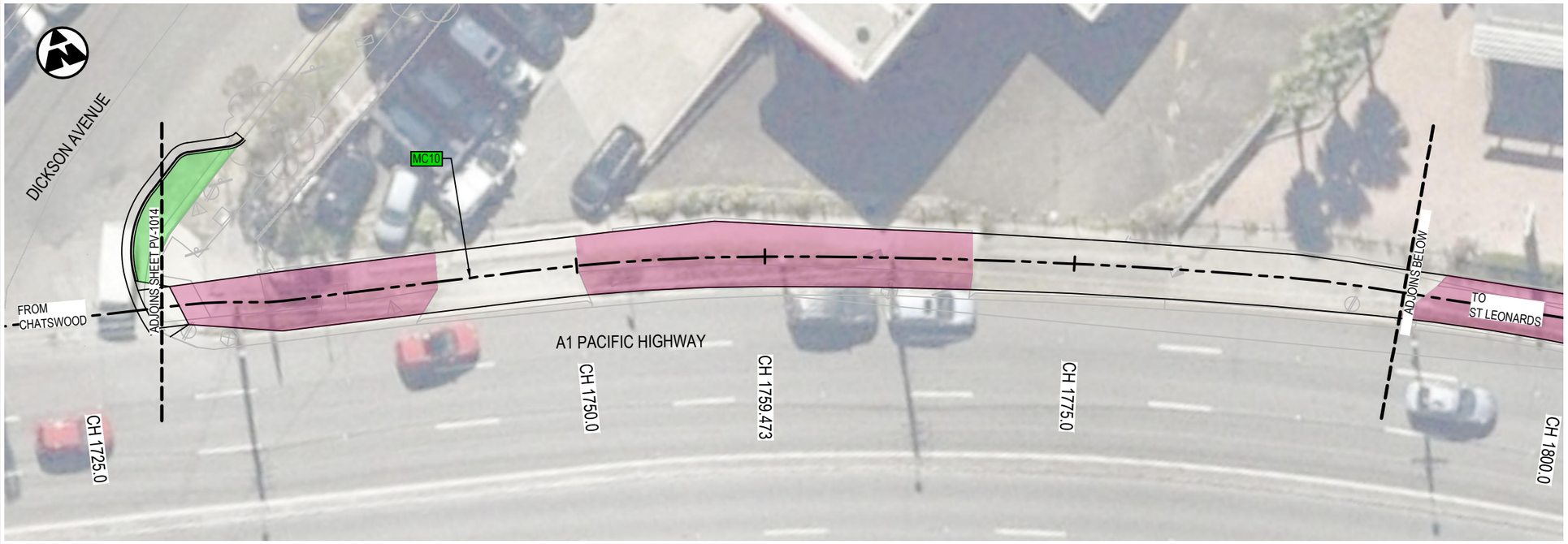
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Revision: 0

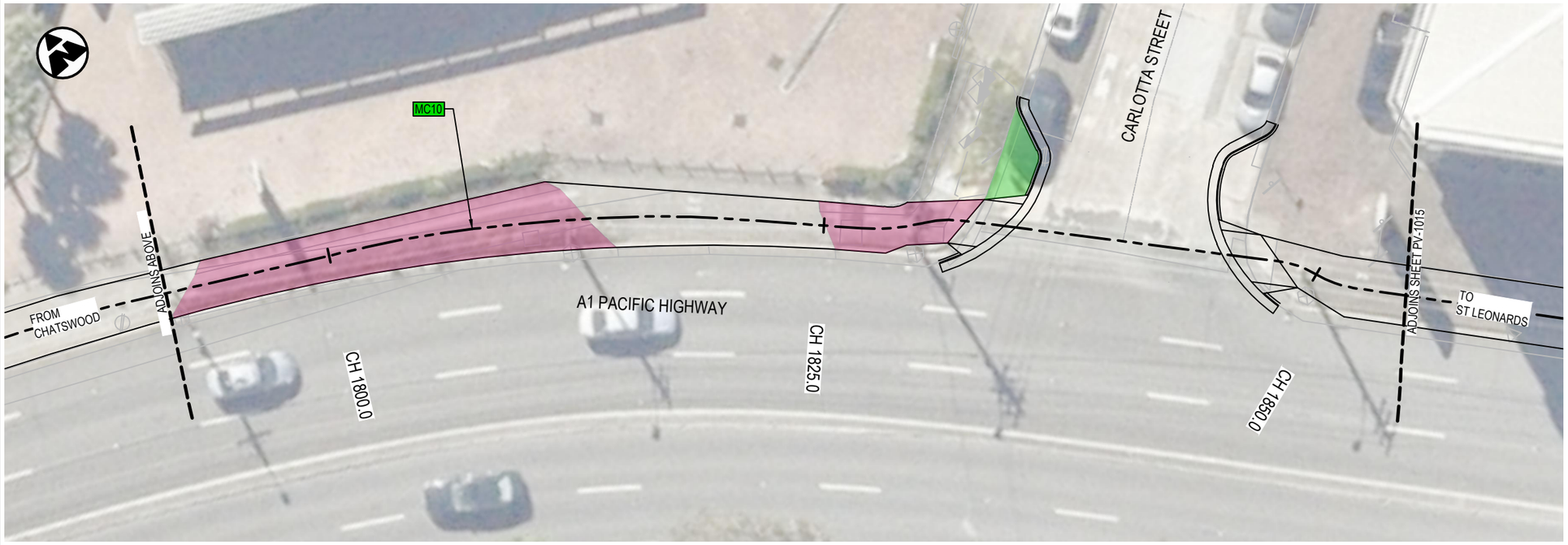
DATE PLOTTED: 28 May 2021 12:39 PM BY: KAREN SUTTON

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CAD File: \\cardno.com\global\AU\NSW\Directory\Structure\Projects\80221028_Chatswood-St Leonards Cycleway\Drawings\Build\01_Dgn\01_Route-1-PAC_HWY\80221028-DRG-R1-PV-1014.dwg

DATE PLOTTED: 28 May 2021 12:39 PM BY: KAREN SUTTON
XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-PV; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-PV-DESN-PLAN; XRF-R1-RD-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-PV-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-PV-EXST-PAVE; XRF-R1-RD-DESN-CAD
CAD File: \\cardno.com\global\AU\NSW\Directory\Structure\Projects\802\FY21\028_Chatswood-St Leonards Cycleway\Drawings\Build\001_Drg\01_Route-1-PAC_HWY\80221028-DRG-R1-PV-1015.dwg





LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

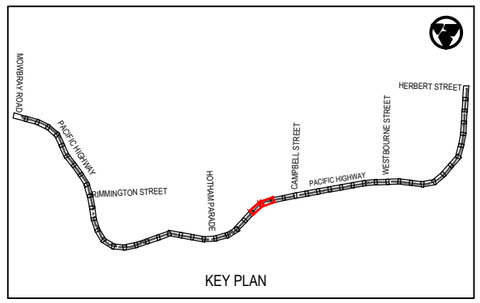
- PAVEMENT TYPE 1 - CONCRETE SHARED PATH
- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. PV-0061 & PV-0062 FOR PAVEMENT DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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Web: www.cardno.com.au

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Drawn	J.GUEVARRA	28.05.21
Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH PAVEMENT PLAN

Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
AHD	15 of 27	1:250m	A3

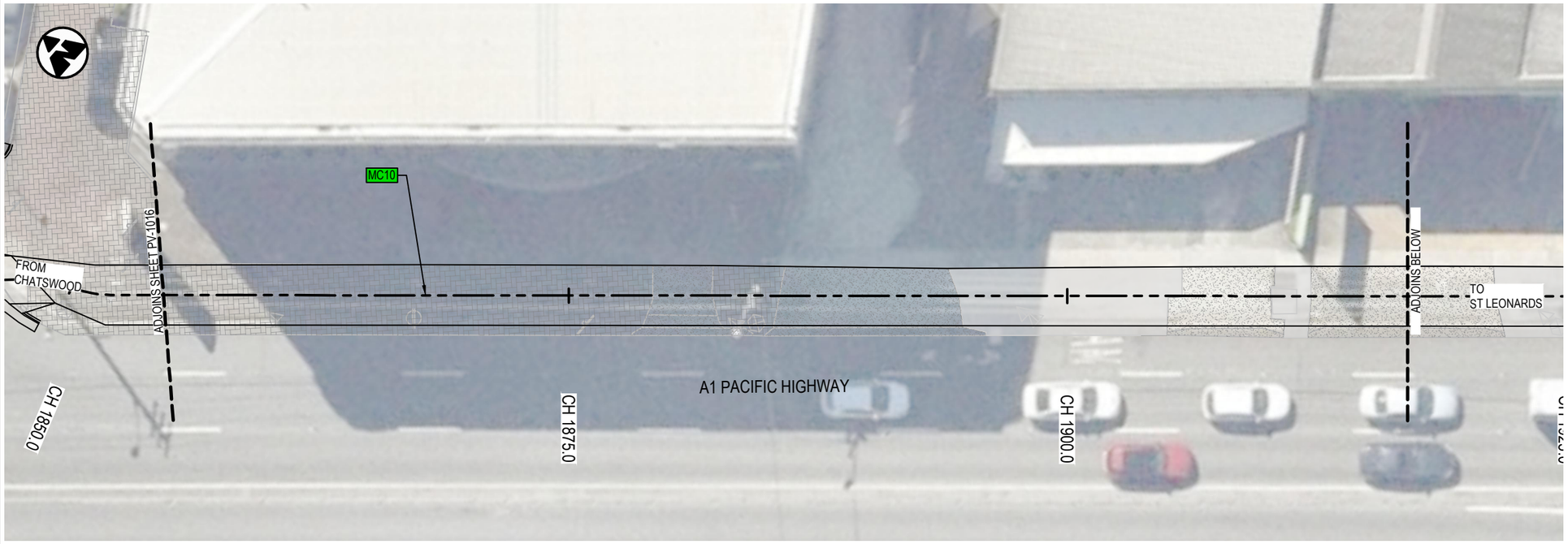
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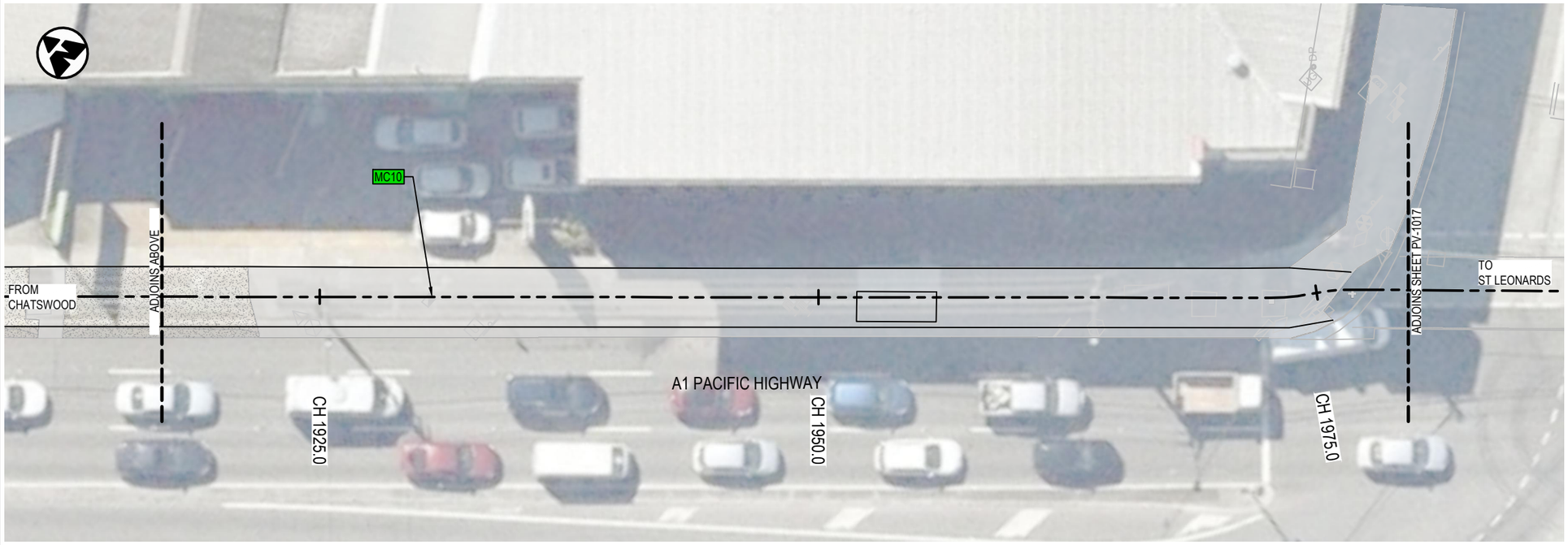
Revision: 0

DATE PLOTTED: 28 May 2021 12:40 PM BY: KAREN SUTTON

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CAD File: \\cardno.com\global\AU\NSW\Directory\Structure\Projects\80\2\FY21\028_Chatswood SS Leonards Cycleway\Drawings\Build\01_Dgi\01_Route-1-PAC_HWY\80221028-DRG-R1-PV-1016.dwg





LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

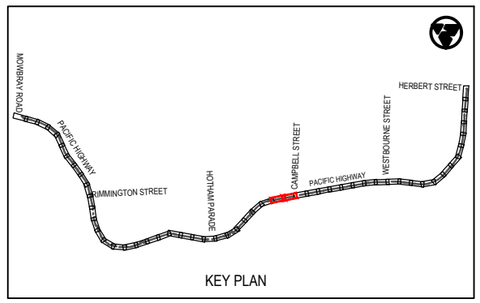
- PAVEMENT TYPE 1 - CONCRETE SHARED PATH
- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. PV-0061 & PV-0062 FOR PAVEMENT DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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		Date
Drawn	J.GUEVARRA	28.05.21
Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH PAVEMENT PLAN

Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
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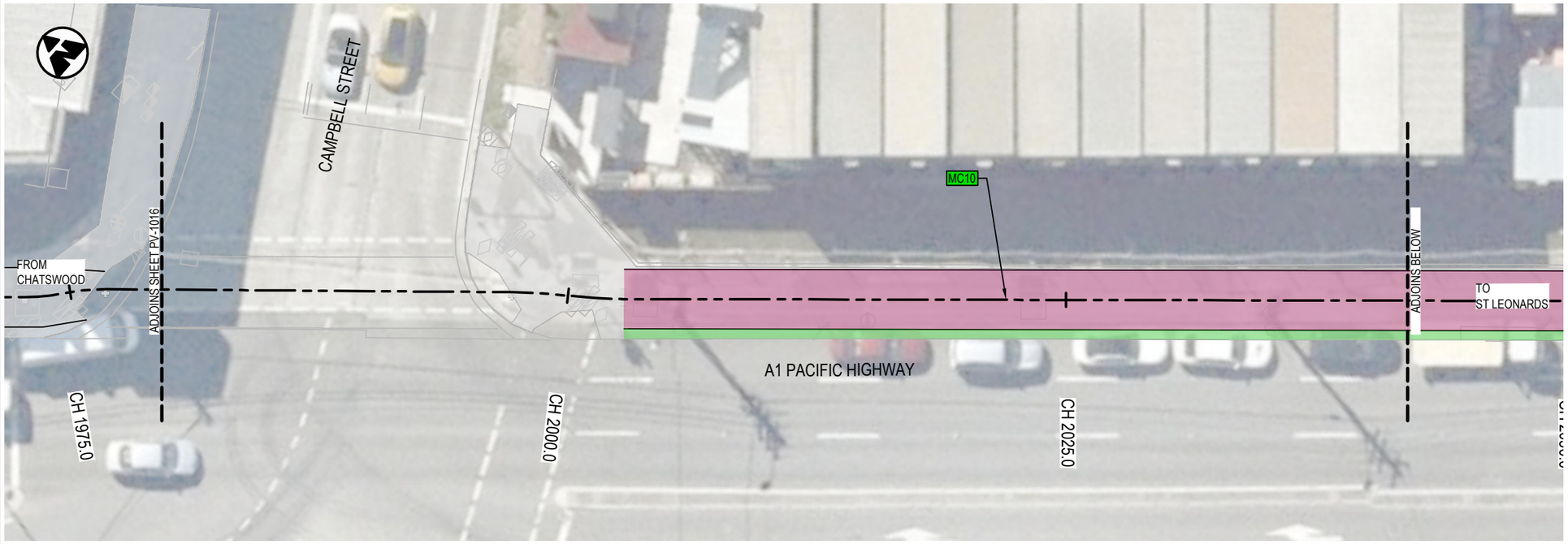
Drawing Number: 80221028-DRG-R1-PV-1016

Revision: 0

DATE PLOTTED: 28 May 2021 12:41 PM BY: KAREN SUTTON

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CAD File: \\cardno.com\global\AU\NSW\Directory\Structure\Projects\80\2FY21\028_Chatswood-St Leonards Cycleway\Drawings\Build\01 Drg\01 Route-1-PAC_HWY\80221028-DRG-R1-PV-1017.dwg



LEGEND

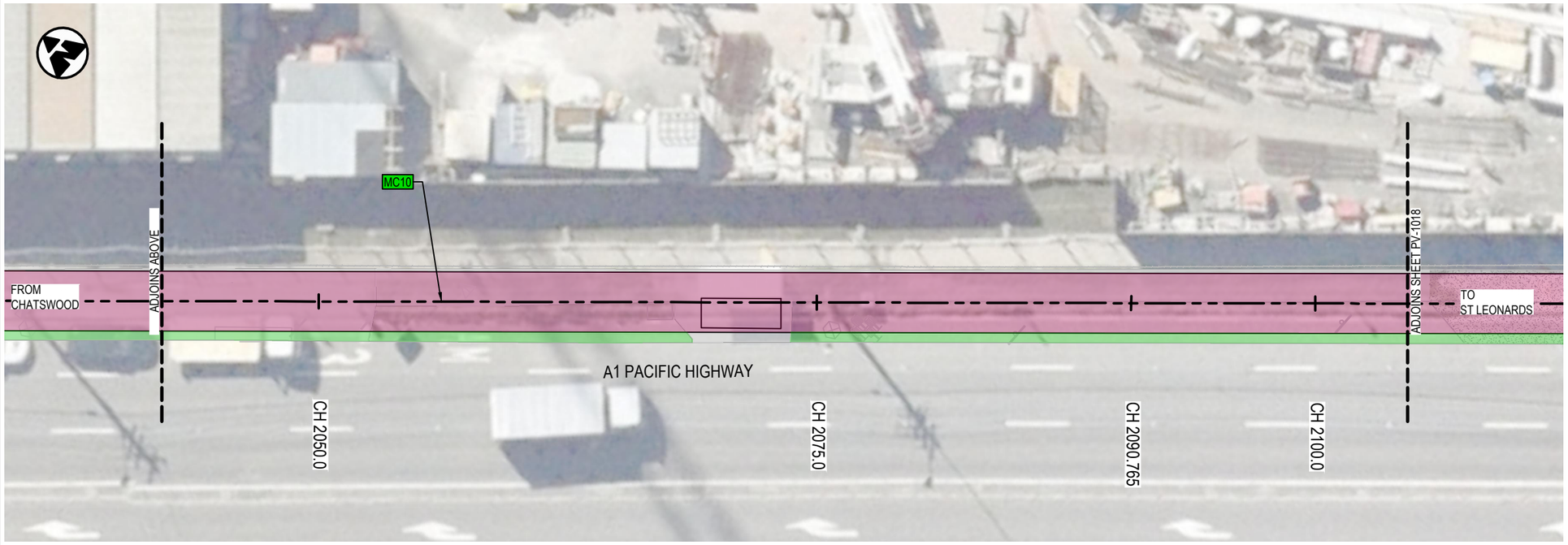
- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

- PAVEMENT TYPE 1 - CONCRETE SHARED PATH
- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

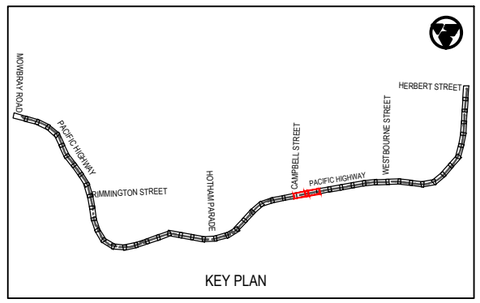
LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS



NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. PV-0061 & PV-0062 FOR PAVEMENT DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

0 2.5 5 7.5 10
SCALE 1:250m

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Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

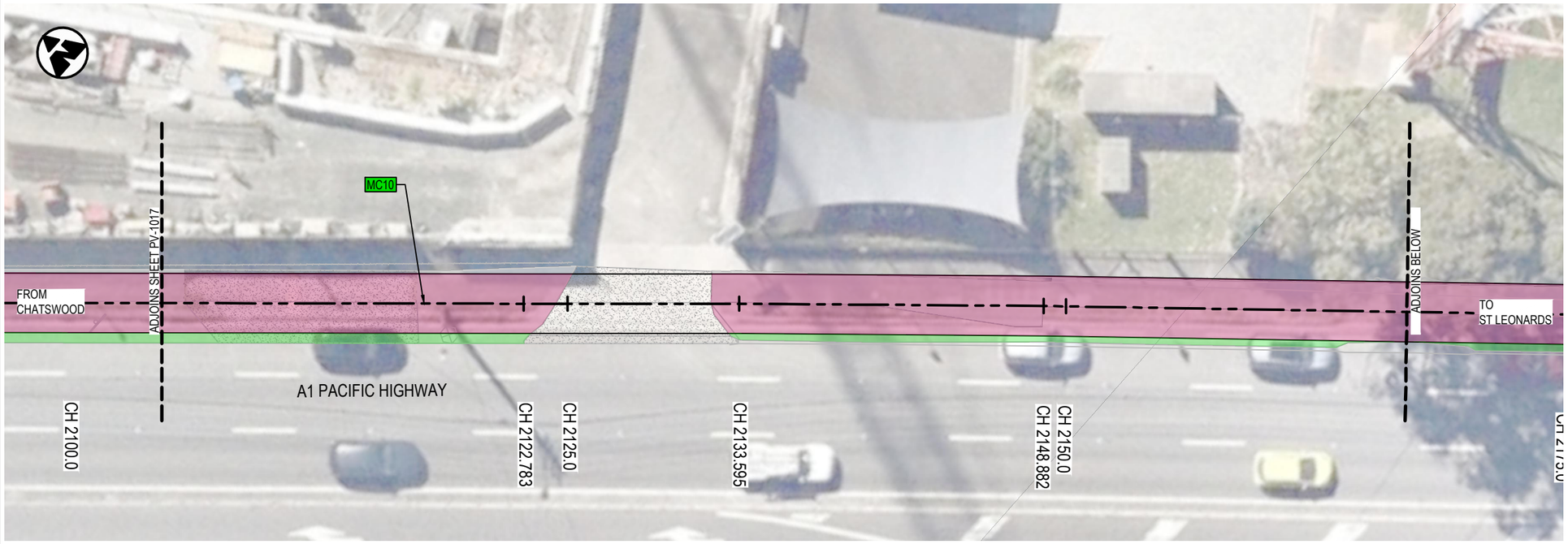
Title: SHARED PATH PAVEMENT PLAN

Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
AHD	17 of 27	1:250m	A3

Drawing Number: 80221028-DRG-R1-PV-1017

Revision: 0





LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

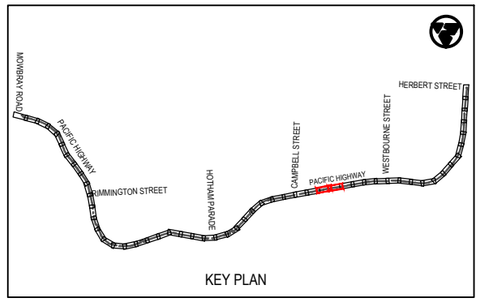
- PAVEMENT TYPE 1 - CONCRETE SHARED PATH
- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. PV-0061 & PV-0062 FOR PAVEMENT DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH PAVEMENT PLAN

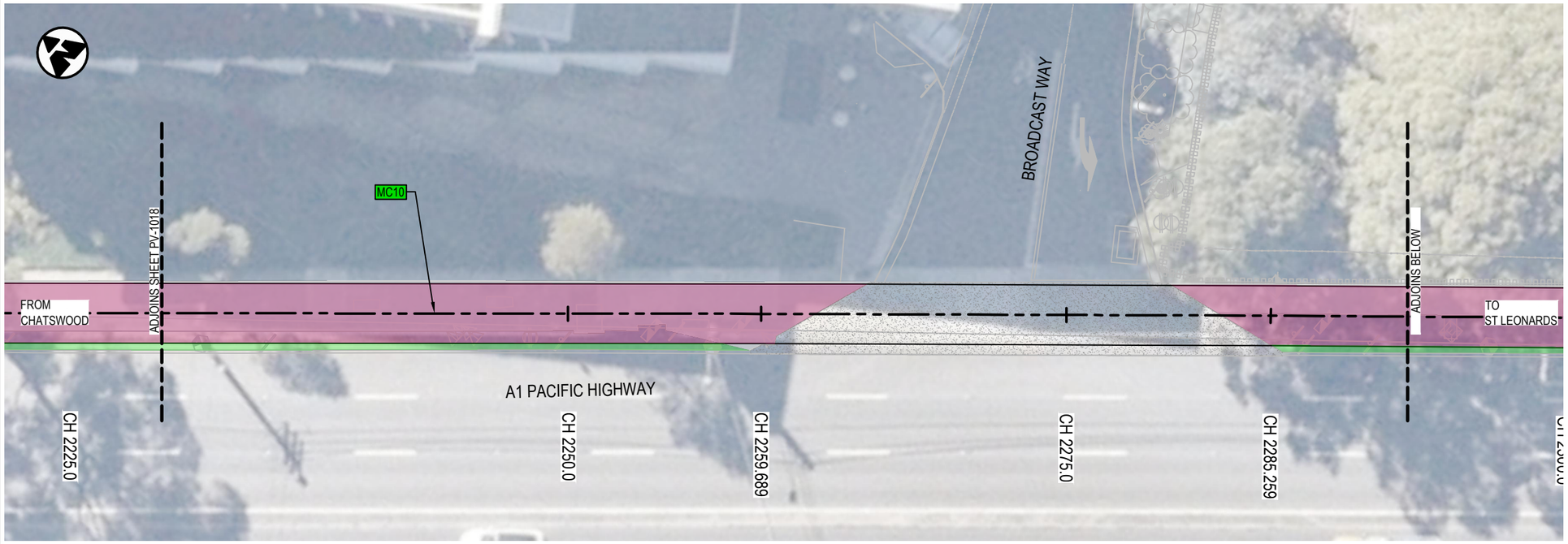
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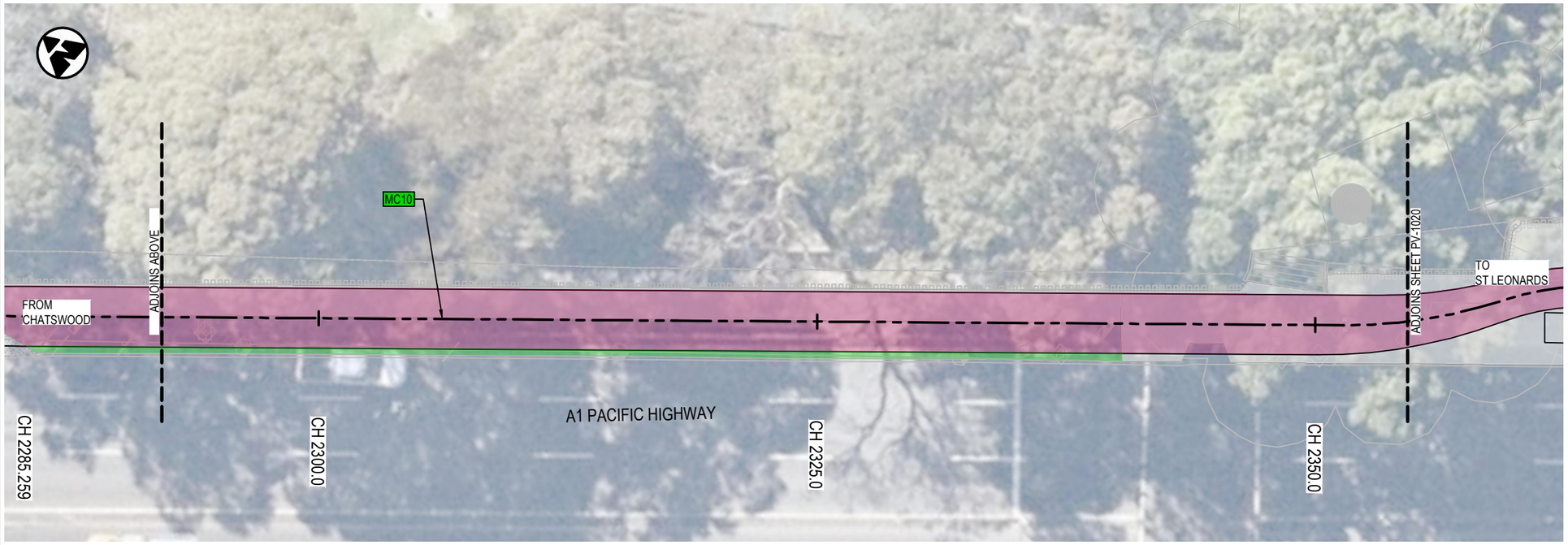
Datum		Scale	Size
AHD	18 of 27	1:250m	A3

Drawing Number: 80221028-DRG-R1-PV-1018
Revision: 0

DATE PLOTTED: 28 May 2021 12:41 PM BY: KAREN SUTTON
XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-PV; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-PV-DESN-PLAN; XRF-R1-RD-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-PV-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-PV-EXST-PAVE; XRF-R1-RD-DESN-CAD
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DATE PLOTTED: 28 May 2021 12:41 PM BY: KAREN SUTTON
XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-PV; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-PV-DESN-PLAN; XRF-R1-RD-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-PV-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-PV-EXST-PAVE; XRF-R1-RD-DESN-CAD
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LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

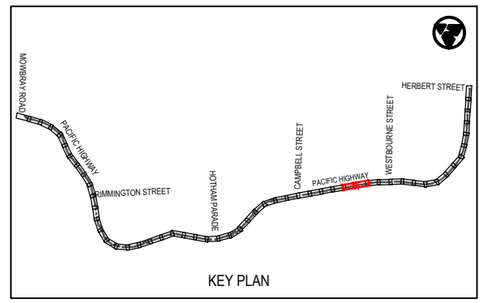
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- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. PV-0061 & PV-0062 FOR PAVEMENT DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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Web: www.cardno.com.au

		Date
Drawn	J.GUEVARRA	28.05.21
Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH PAVEMENT PLAN

Status: NOT FOR CONSTRUCTION

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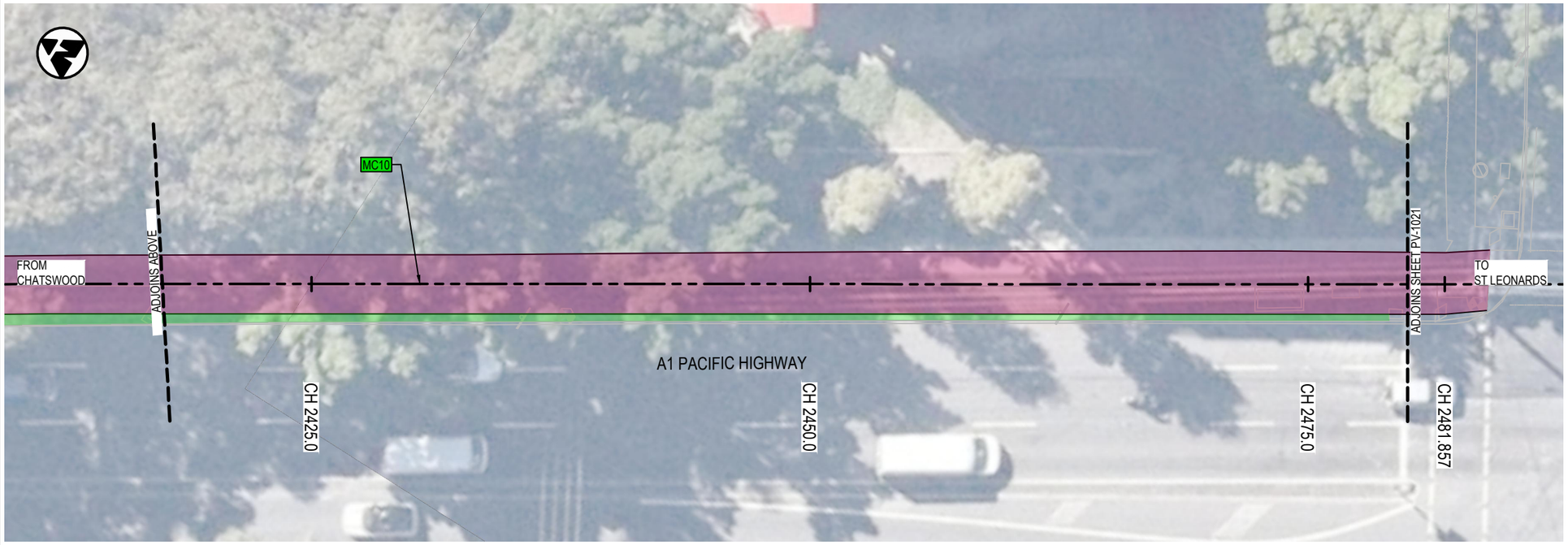
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Revision: 0

DATE PLOTTED: 28 May 2021 12:42 PM BY: KAREN SUTTON

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LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
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- EXISTING CONCRETE BARRIER

PAVEMENT

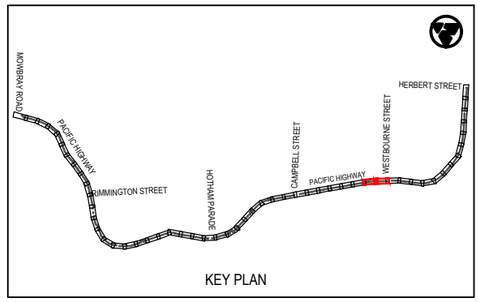
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- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

NOTES:

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KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
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SCALE 1:250m

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Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH PAVEMENT PLAN

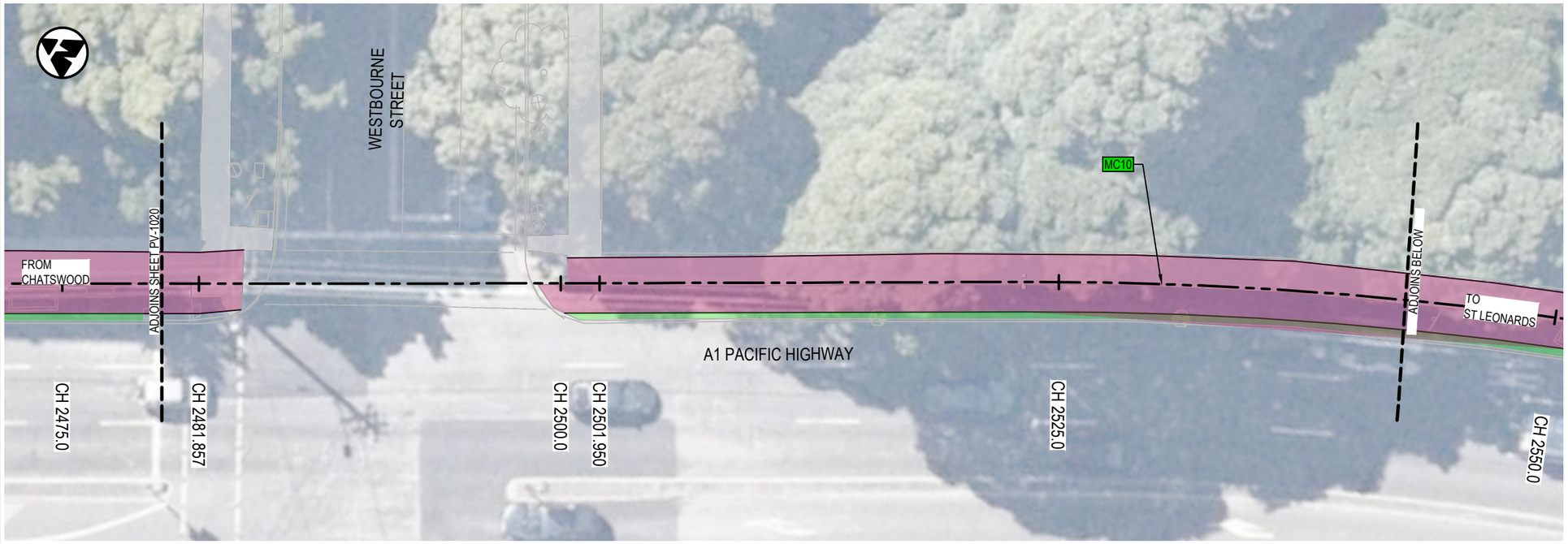
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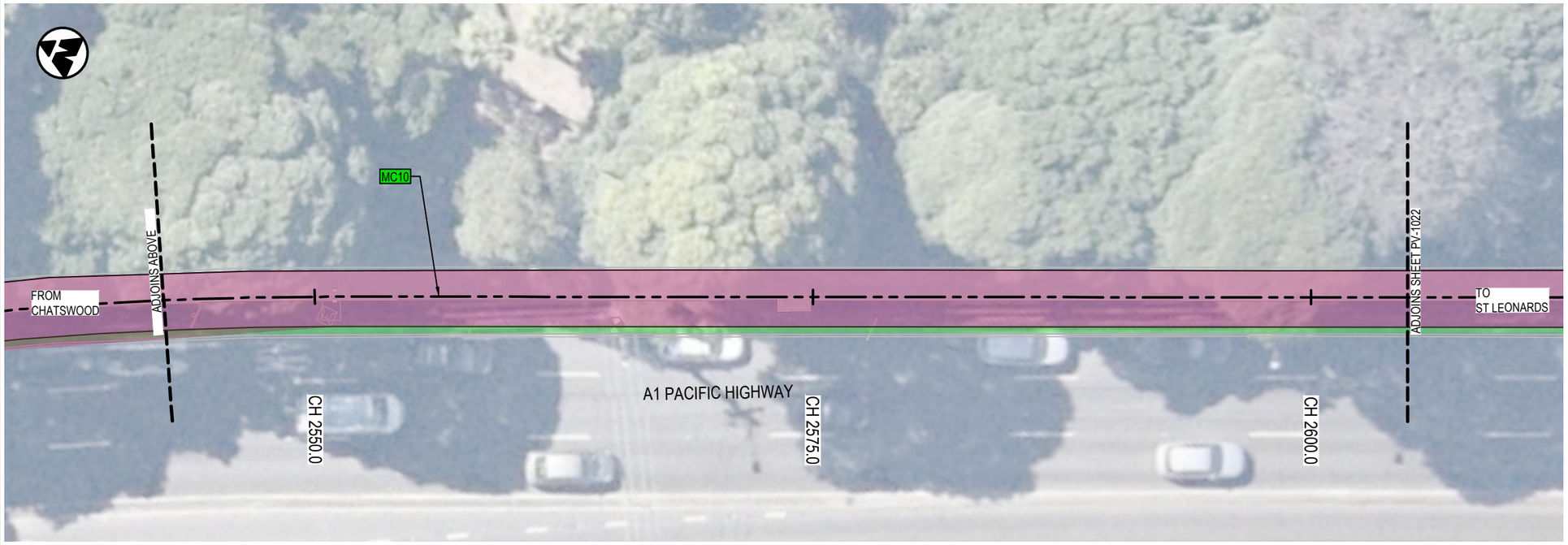
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Drawing Number: 80221028-DRG-R1-PV-1020

Revision: 0

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LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

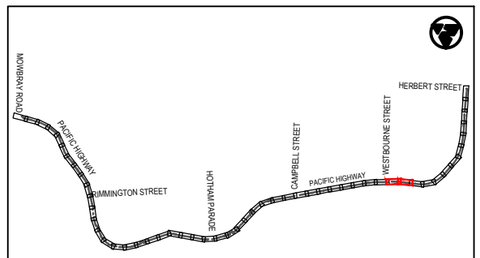
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- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

NOTES:

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2. REFER TO DRAWING No. PV-0061 & PV-0062 FOR PAVEMENT DETAILS.



KEY PLAN

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Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH PAVEMENT PLAN

Status: NOT FOR CONSTRUCTION

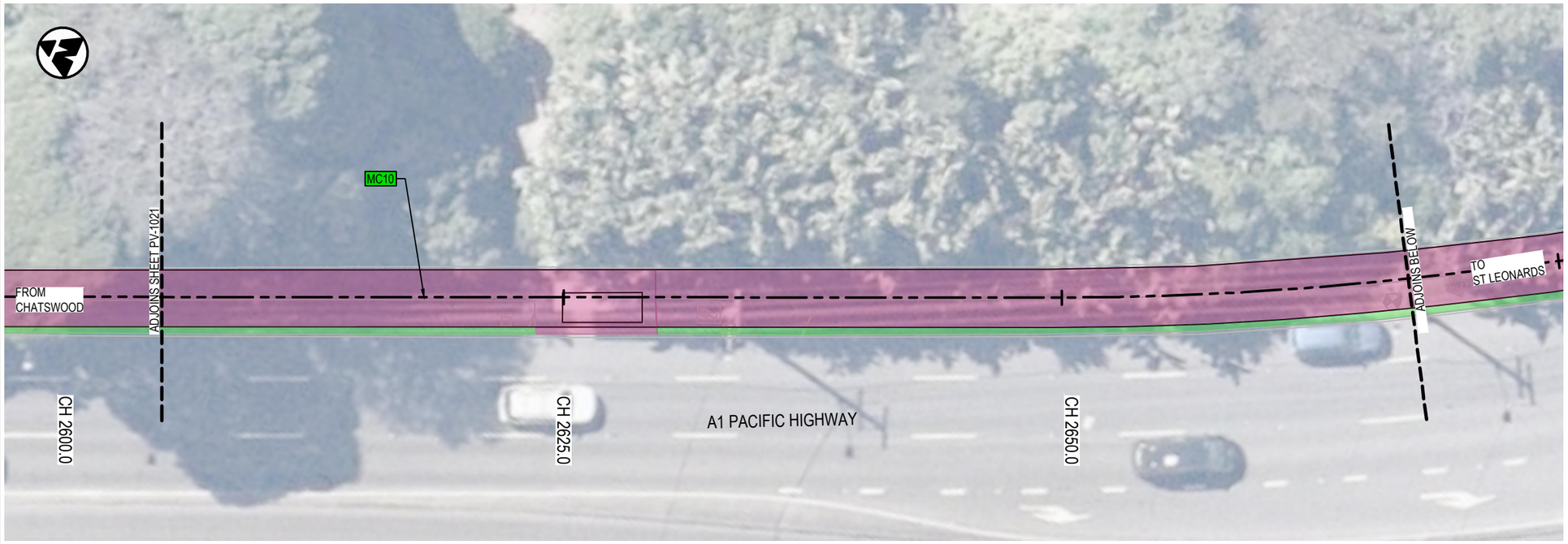
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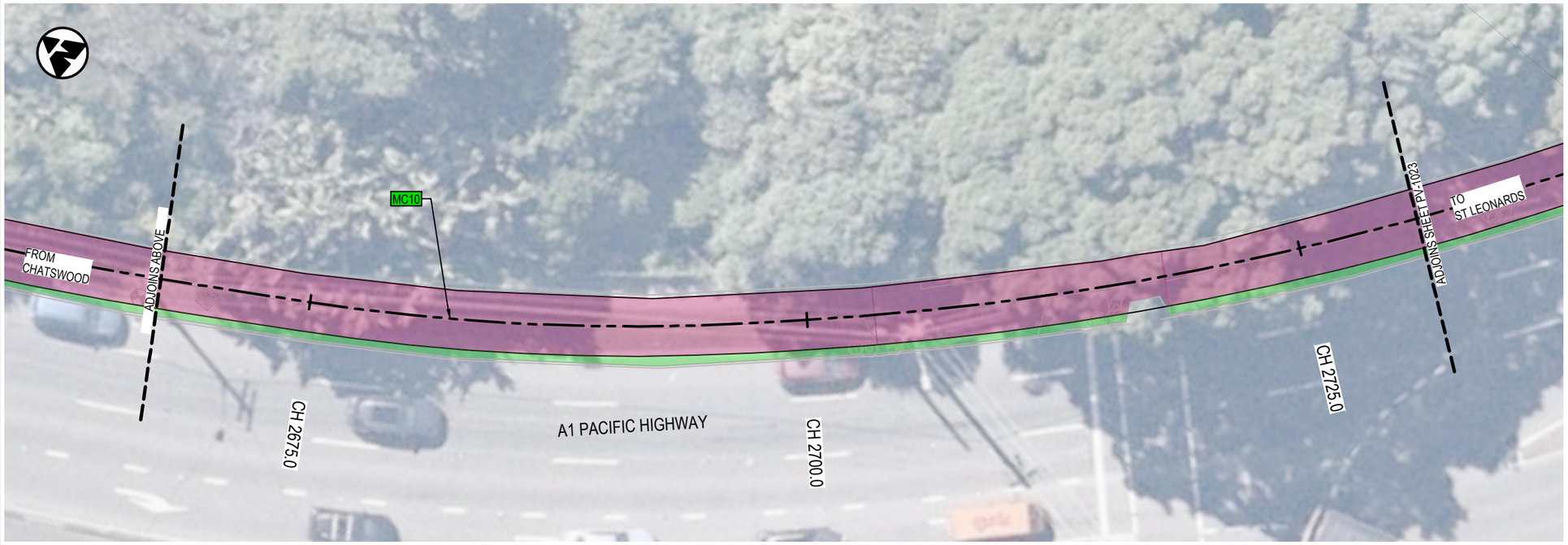
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Revision: 0

DATE PLOTTED: 28 May 2021 12:42 PM BY: KAREN SUTTON

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LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

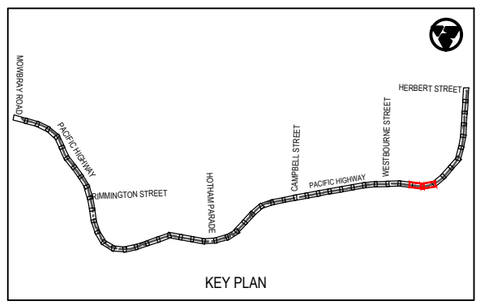
- PAVEMENT TYPE 1 - CONCRETE SHARED PATH
- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

NOTES:

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Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH PAVEMENT PLAN

Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
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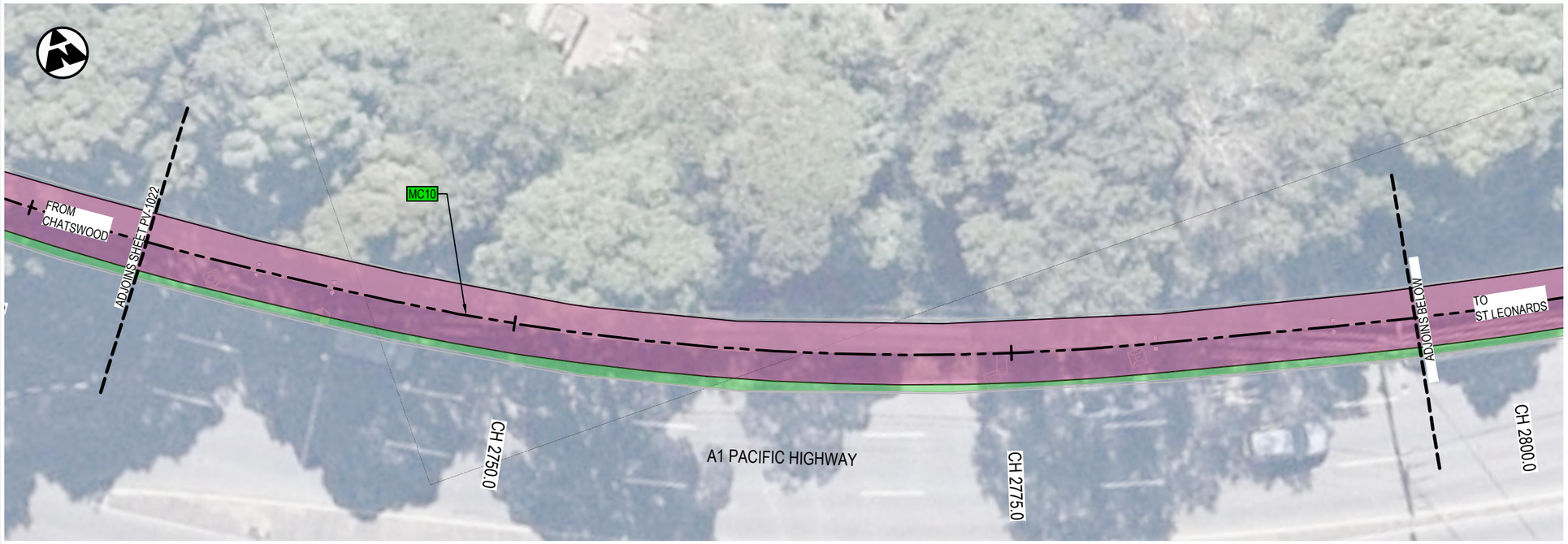
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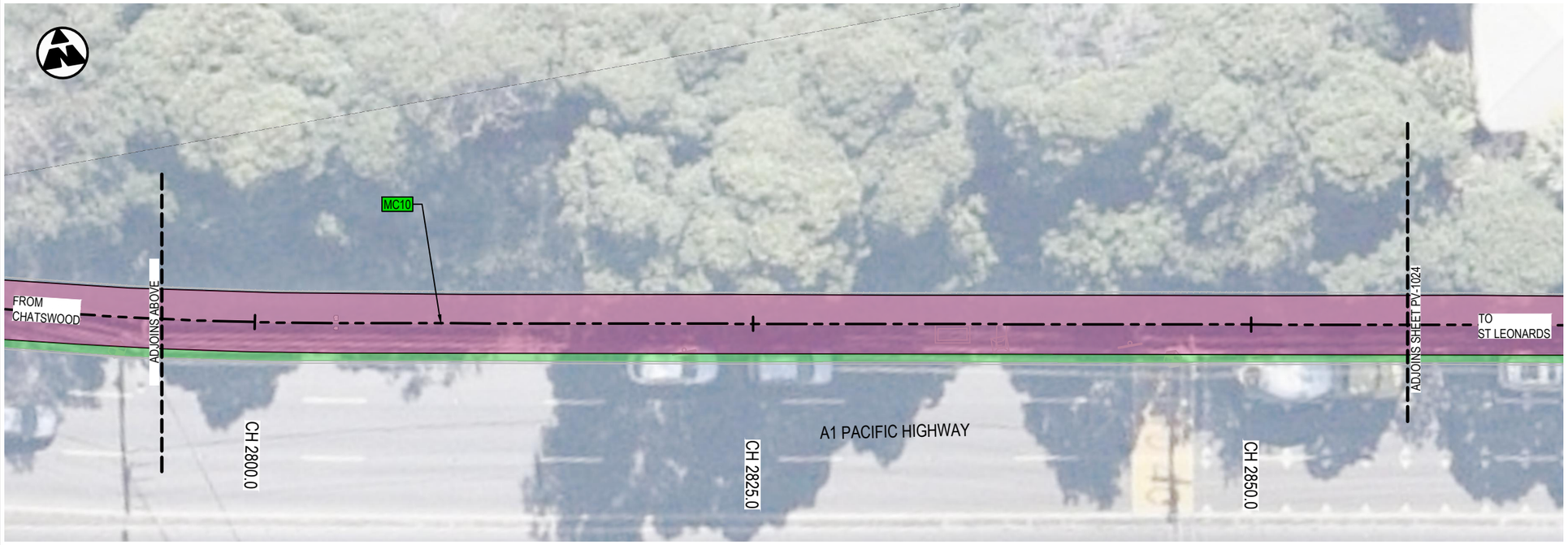
Revision: 0

DATE PLOTTED: 28 May 2021 12:43 PM BY: KAREN SUTTON

XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-PV; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-PV-DESN-PLAN; XRF-R1-RD-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-PV-DESN-LEGD; XRF-R1-PV-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-PV-EXST-PAVE; XRF-R1-RD-DESN-CAD

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LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

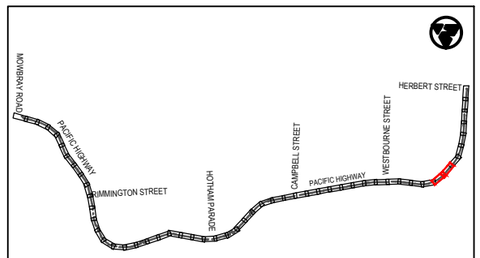
- PAVEMENT TYPE 1 - CONCRETE SHARED PATH
- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

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0 2.5 5 7.5 10
SCALE 1:250m

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Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH PAVEMENT PLAN

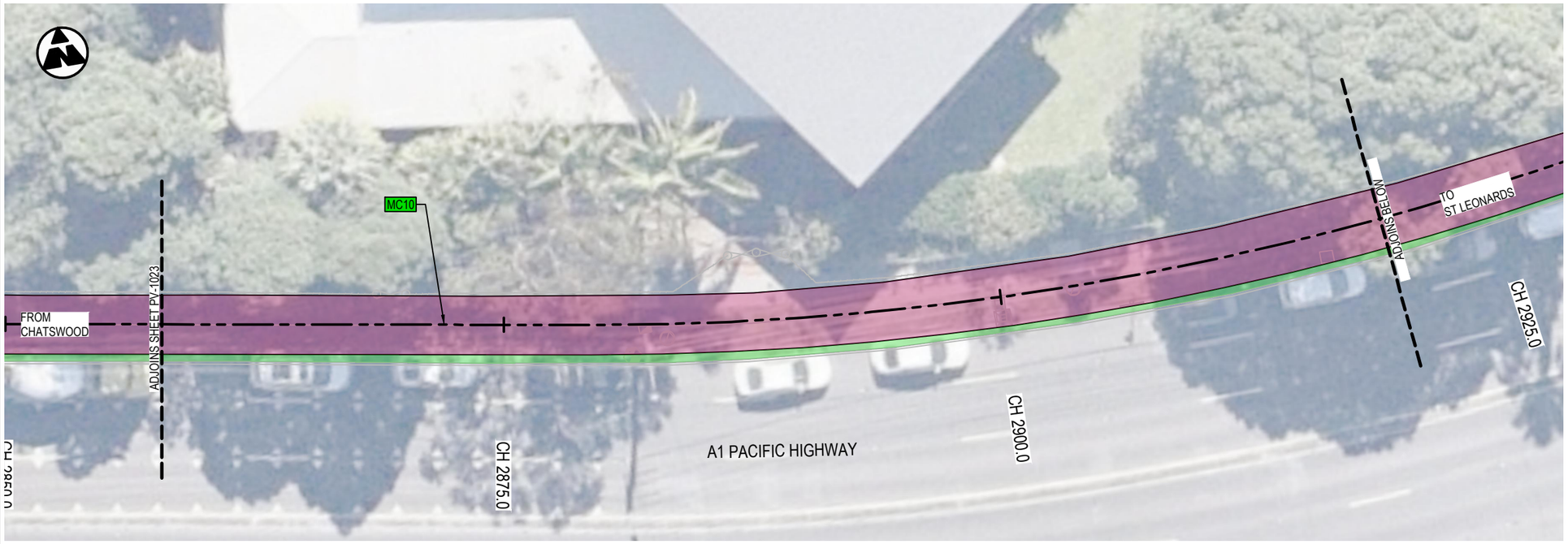
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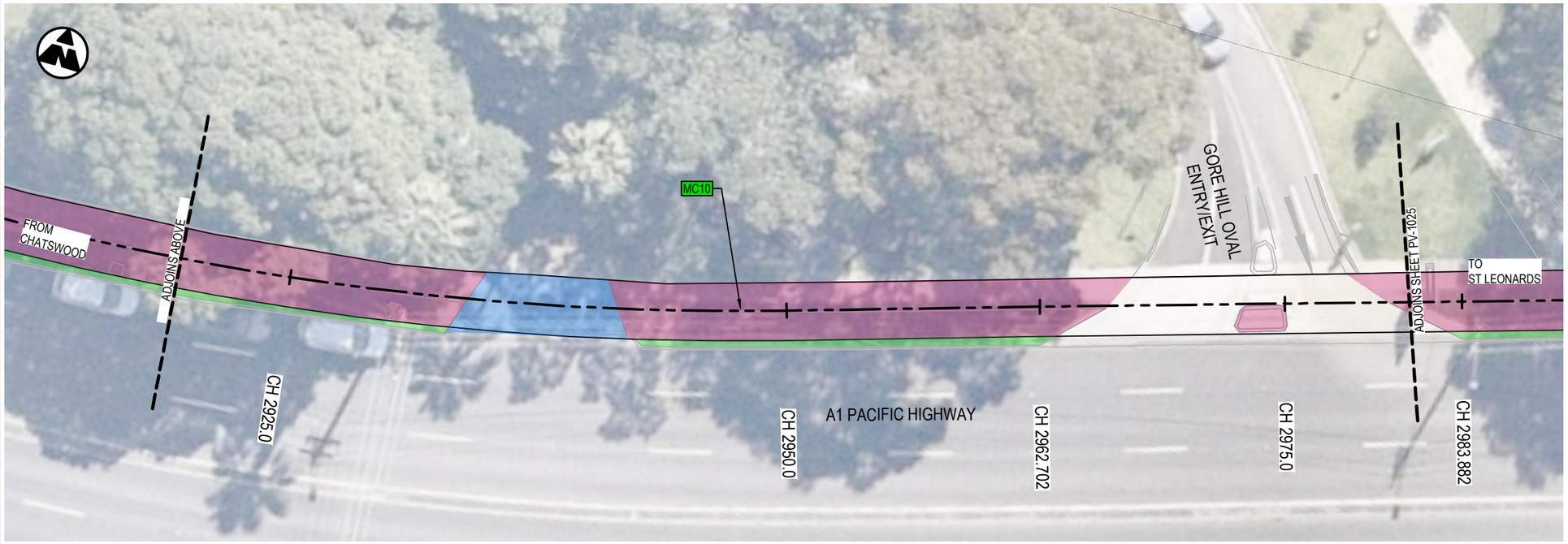
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Revision: 0

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LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

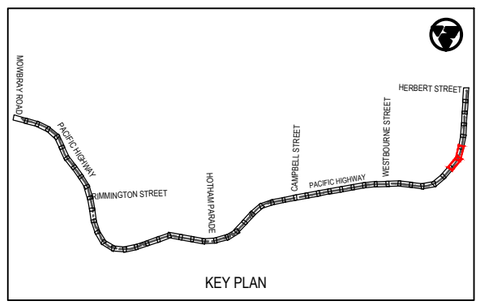
- PAVEMENT TYPE 1 - CONCRETE SHARED PATH
- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

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KEY PLAN

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SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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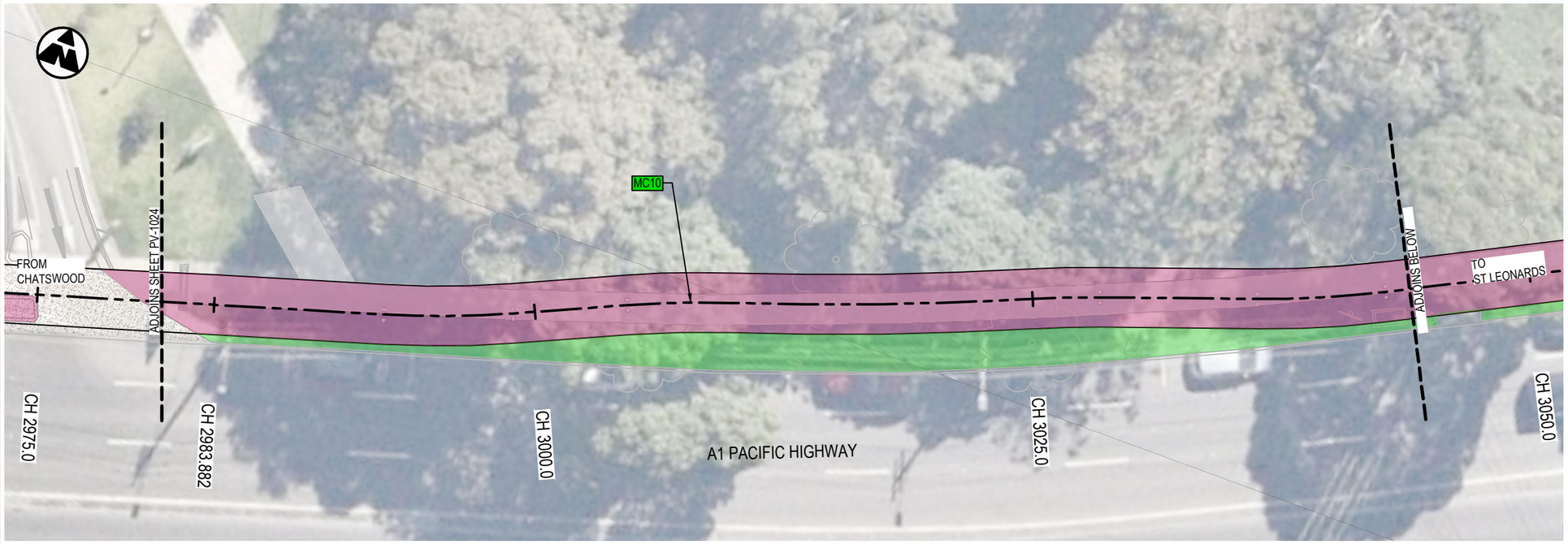
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Drawn	J.GUEVARRA	28.05.21
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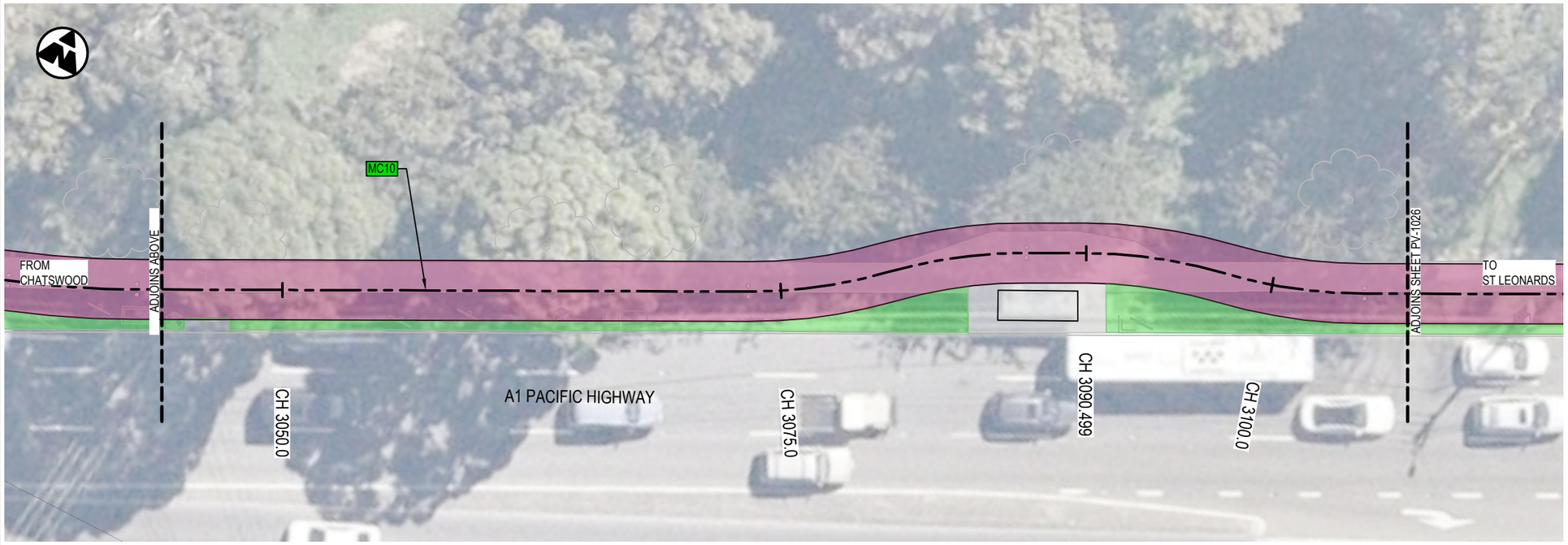
Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH PAVEMENT PLAN

Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
AHD	24 of 27	1:250m	A3

Drawing Number: 80221028-DRG-R1-PV-1024
Revision: 0





LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

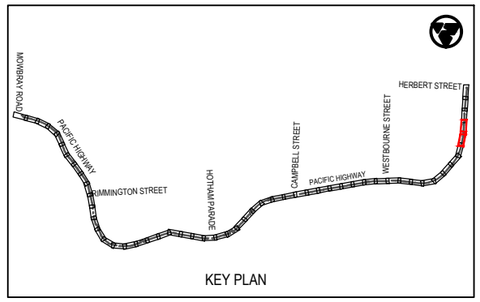
- PAVEMENT TYPE 1 - CONCRETE SHARED PATH
- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. PV-0061 & PV-0062 FOR PAVEMENT DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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Web: www.cardno.com.au

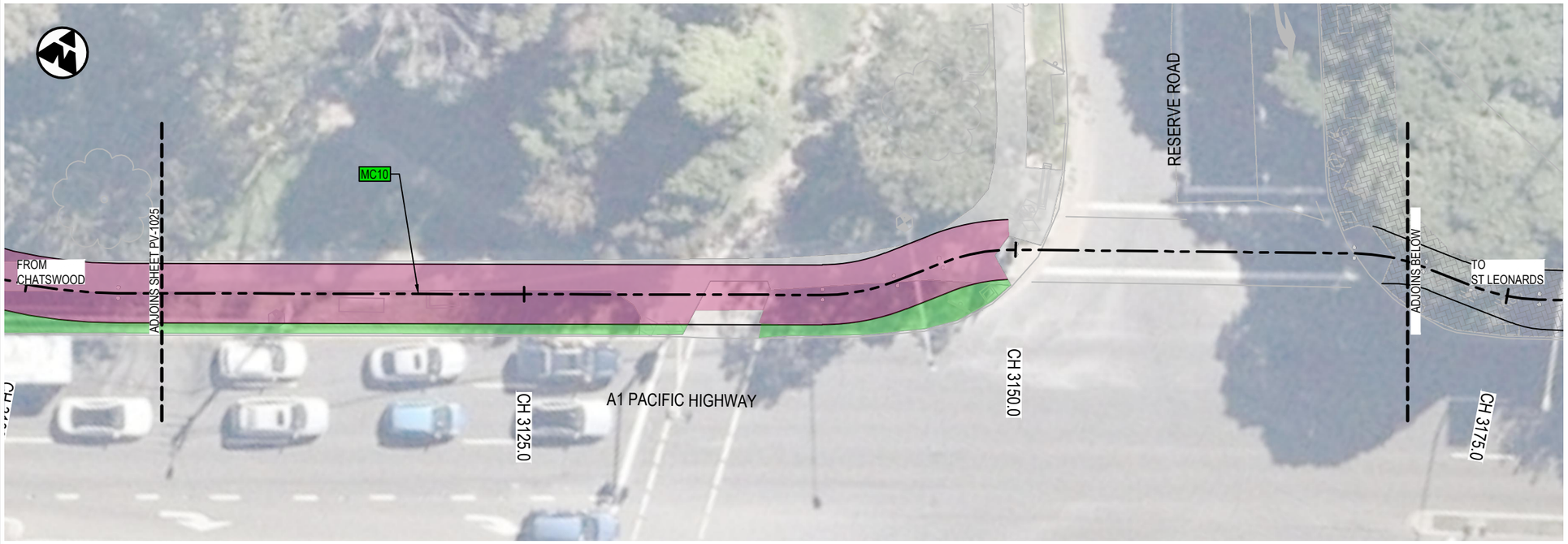
		Date
Drawn	J.GUEVARRA	28.05.21
Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

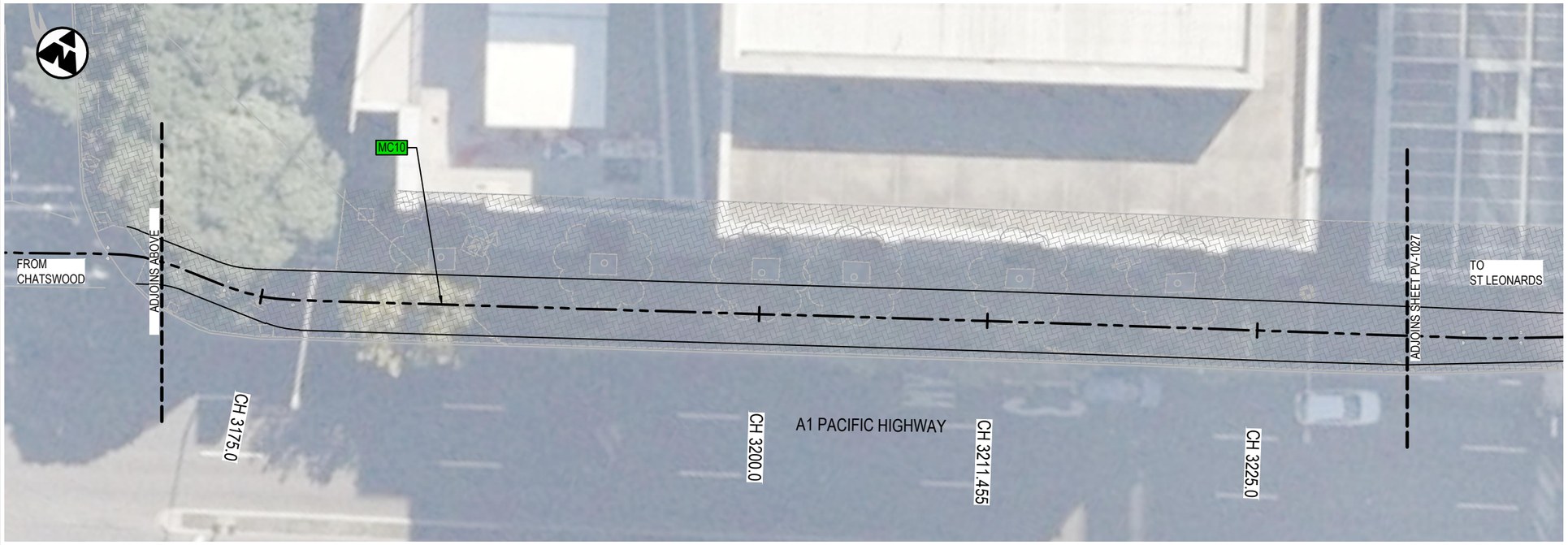
Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH PAVEMENT PLAN

Status: NOT FOR CONSTRUCTION
Datum: AHD | 25 of 27 | Scale: 1:250m | Size: A3
Drawing Number: 80221028-DRG-R1-PV-1025 | Revision: 0

DATE PLOTTED: 28 May 2021 12:43 PM BY: KAREN SUTTON
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CAD File: \\cardno.com\global\AU\NSW\Directory\Structure\Projects\80\2\FY21\028_Chatswood-St Leonards Cycleway\Drawings\Build\01_Dgn\01_Route-1-PAC_HWY\80221028-DRG-R1-PV-1025.dwg

DATE PLOTTED: 28 May 2021 12:43 PM BY: KAREN SUTTON
XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-PV; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-PV-DESN-PLAN; XRF-R1-RD-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-PV-DESN-LEGD; XRF-R1-PV-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-PV-EXST-PAVE; XRF-R1-RD-DESN-CAD
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LEGEND

- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

PAVEMENT

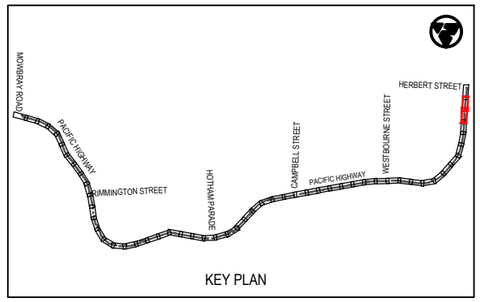
- PAVEMENT TYPE 1 - CONCRETE SHARED PATH
- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO DRAWING No. PV-0061 & PV-0062 FOR PAVEMENT DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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Approved	D.ATKINSON	28.05.21

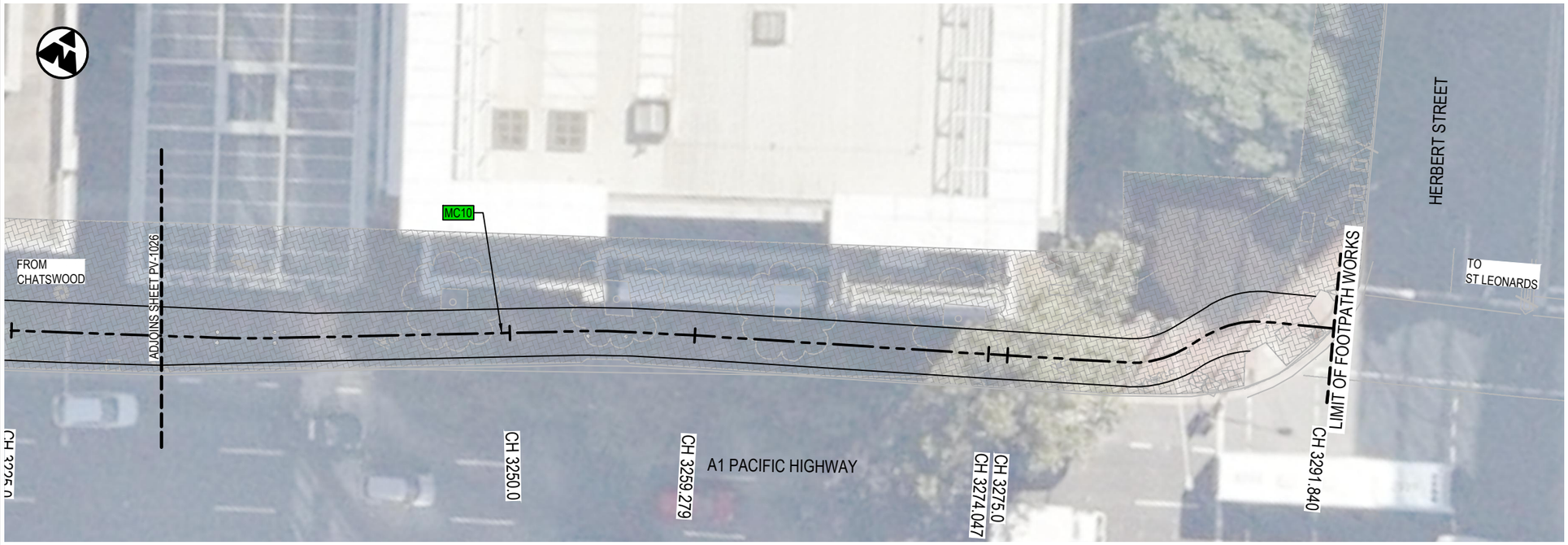
Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH PAVEMENT PLAN

Status: NOT FOR CONSTRUCTION

Datum	Sheet	Scale	Size
AHD	26 of 27	1:250m	A3

Drawing Number: 80221028-DRG-R1-PV-1026
Revision: 0

DATE PLOTTED: 28 May 2021 12:44 PM BY: KAREN SUTTON



LEGEND

- DESIGN CONTROL LINE
- MC10 CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

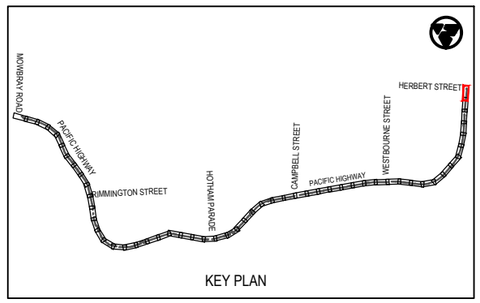
PAVEMENT

- PAVEMENT TYPE 1 - CONCRETE SHARED PATH
- PAVEMENT TYPE 2 - MILL & CORRECTION
- PAVEMENT TYPE 3 - CONCRETE DRIVEWAY

LANDSCAPING

- LANDSCAPED AREA - REFER GROUP GSA DRAWINGS

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KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

0 2.5 5 7.5 10
SCALE 1:250m

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Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH PAVEMENT PLAN

Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
AHD	27 of 27	1:250m	A3

Drawing Number: 80221028-DRG-R1-PV-1027
Revision: 0

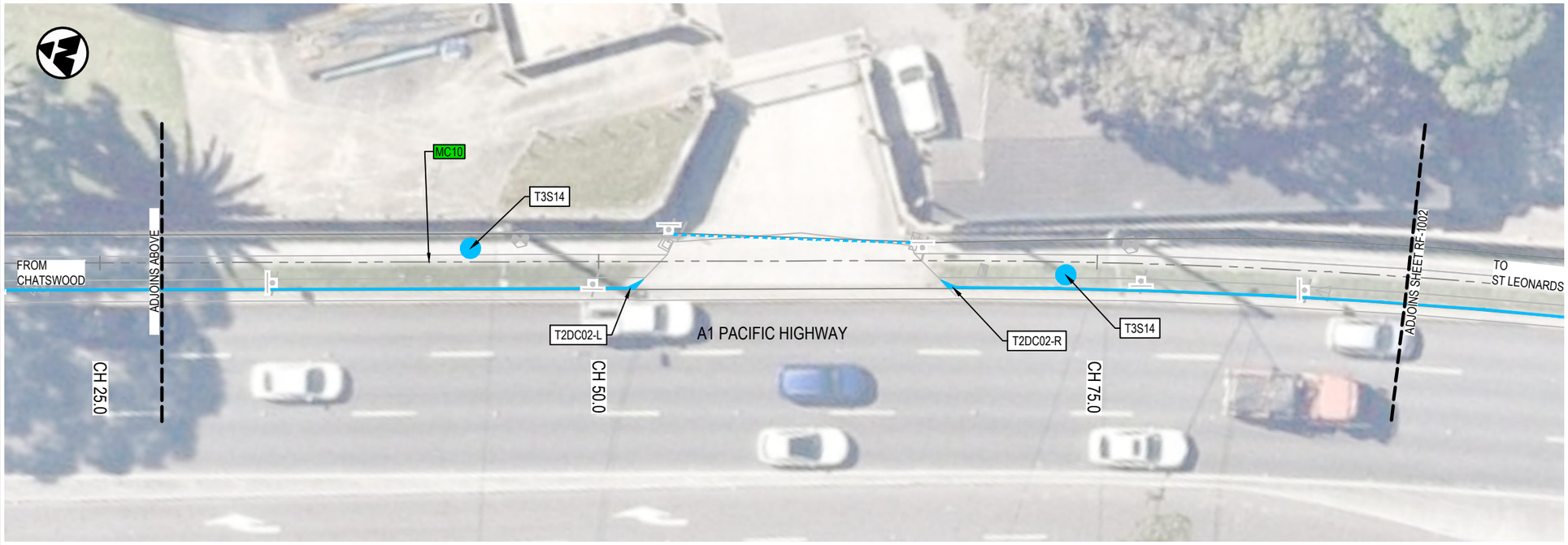
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DATE PLOTTED: 28 May 2021 1:55 PM BY: JIREH GUEVARRA

XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RF; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-R1-RF-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-RF-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-GE-KEYP-PLAN; XRF-R1-RD-DESN-PLAN

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LEGEND

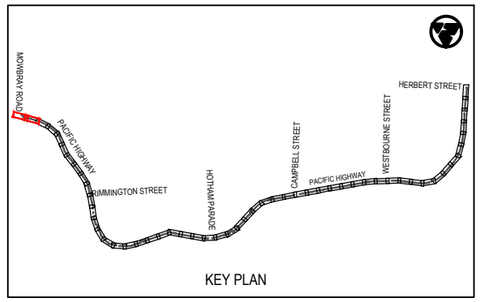
- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP — DP — CADASTRAL BOUNDARY SURVEYED
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
- PAVEMENT MARKING
- T3S14 — PAVEMENT MARKING TAG

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO CITY OF SYDNEY PATHWAYS PAVEMENT MARKING GUIDELINES FOR LINEMARKING AND PAVEMENT MARKING DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

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SCALE 1:250m

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Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

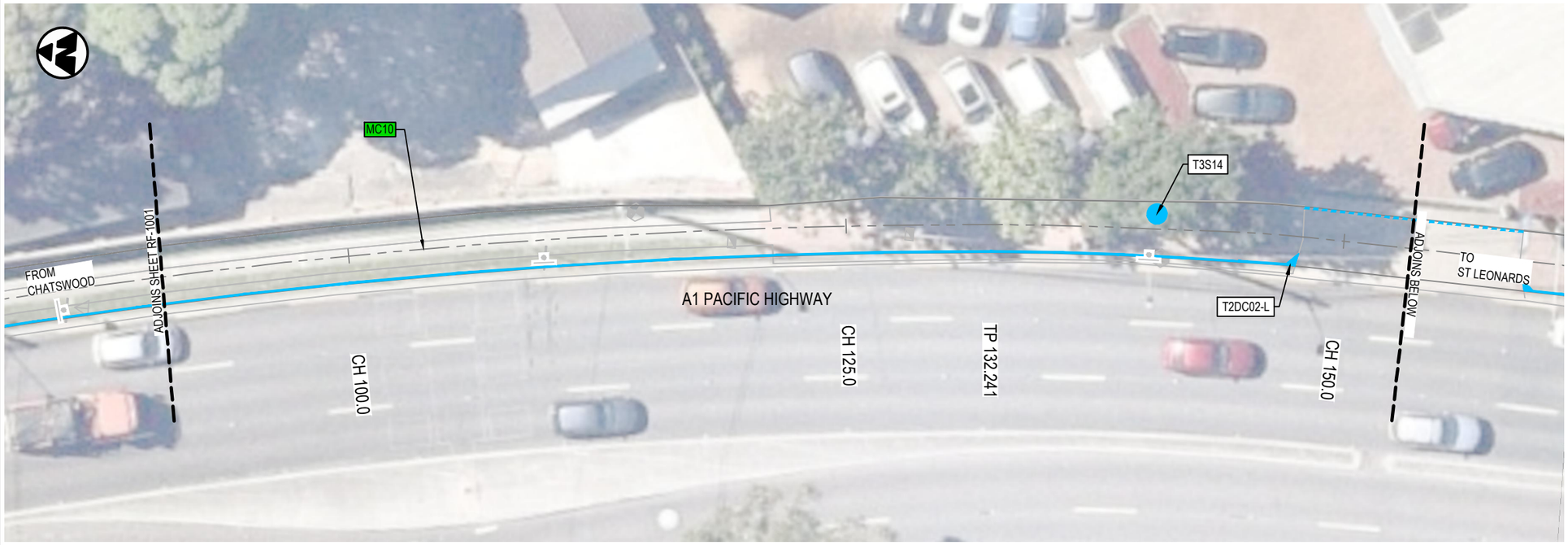
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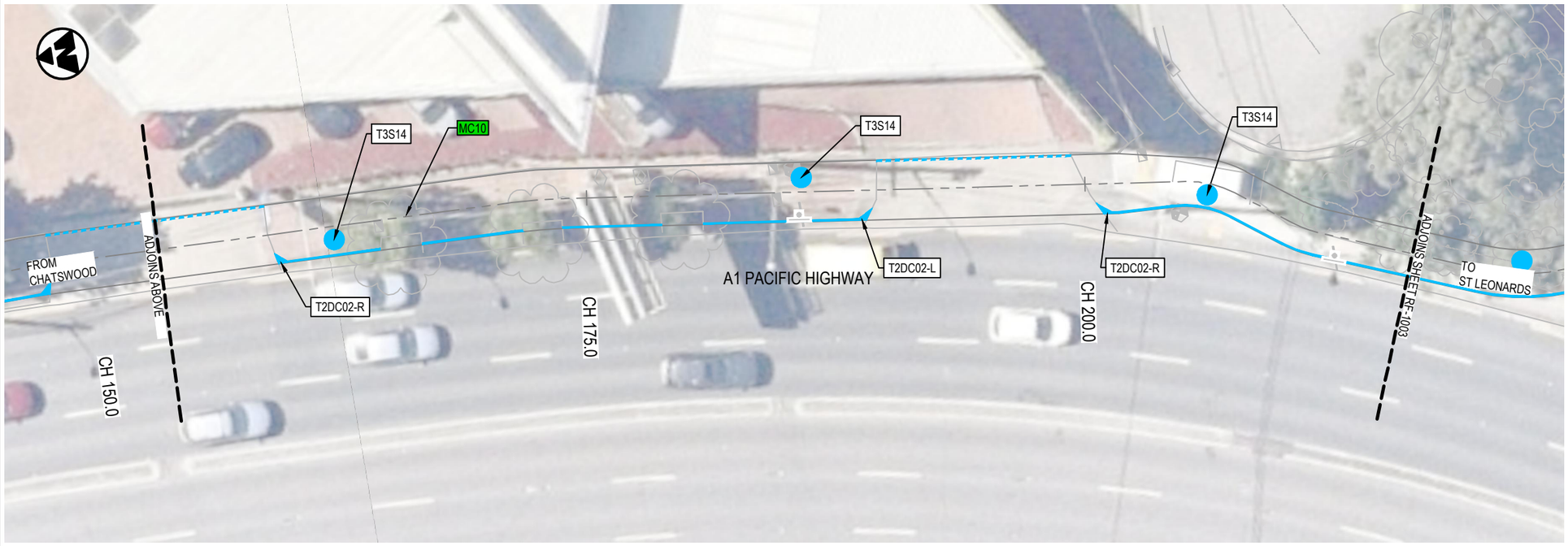
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Datum		Scale	Size
AHD	1 of 27	1:250m	A3

Drawing Number: 80221028-DRG-R1-RF-1001

Revision: 0





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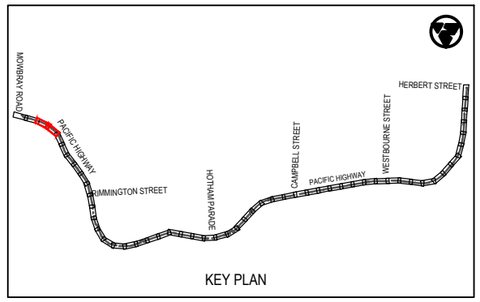
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- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP—DP — CADASTRAL BOUNDARY SURVEYED
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
- PAVEMENT MARKING
- T3S14 — PAVEMENT MARKING TAG

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO CITY OF SYDNEY PATHWAYS PAVEMENT MARKING GUIDELINES FOR LINEMARKING AND PAVEMENT MARKING DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

0 2.5 5 7.5 10
SCALE 1:250m

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Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH ROAD FURNITURE PLAN

Status: NOT FOR CONSTRUCTION
Datum: AHD | 2 of 27 | Scale: 1:250m | Size: A3
Drawing Number: 80221028-DRG-R1-RF-1002 | Revision: 0

DATE PLOTTED: 28 May 2021 2:03 PM BY: : JIREH GUEVARRA

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CAD File: \\cardno.com\global\AU\NSW\Directory\Structures\Projects\80\2FY21028_Chatswood St Leonards Cycleway\Drawings\Build\01_Dry\01_Route-1-PAC_HWY\80221028-DRG-R1-RF-1002.dwg





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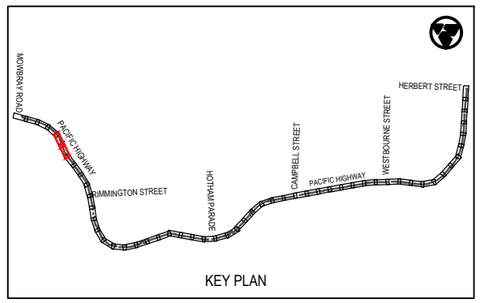
- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP — DP — CADASTRAL BOUNDARY SURVEYED
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
- PAVEMENT MARKING
- T3S14 — PAVEMENT MARKING TAG

NOTES:

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2. REFER TO CITY OF SYDNEY PATHWAYS PAVEMENT MARKING GUIDELINES FOR LINEMARKING AND PAVEMENT MARKING DETAILS.



KEY PLAN

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SCALE 1:250m

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Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ROAD FURNITURE PLAN

Status: NOT FOR CONSTRUCTION

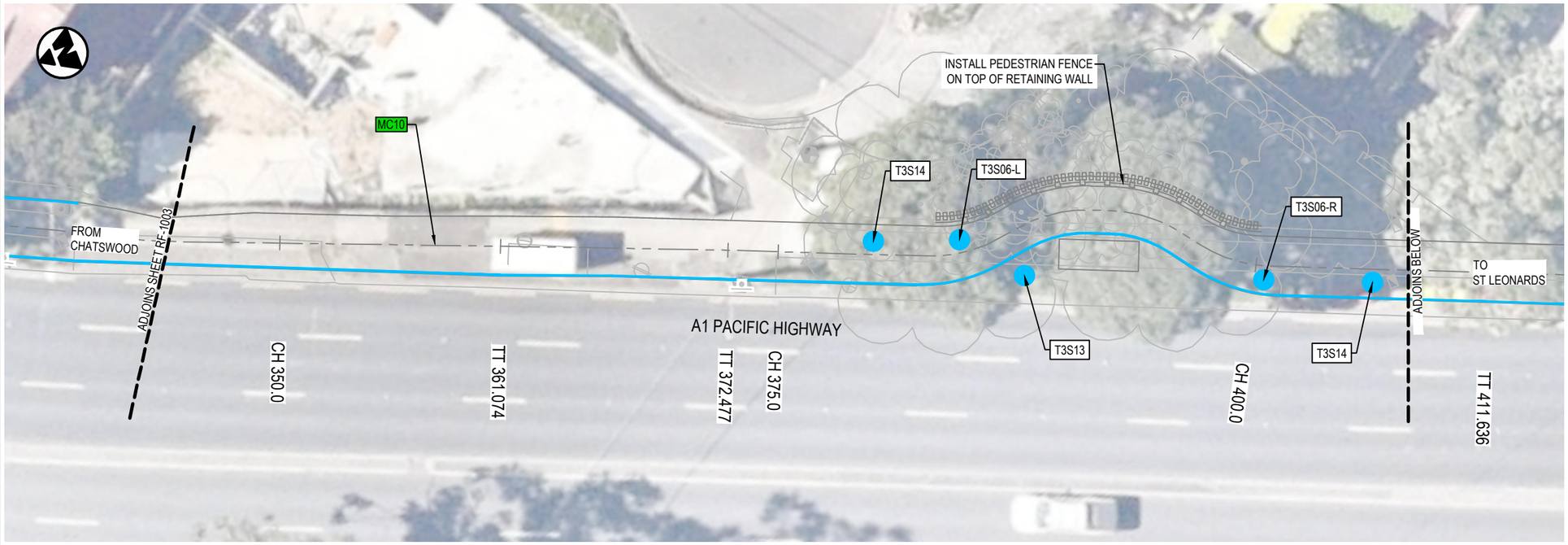
Datum		Scale	Size
AHD	3 of 27	1:250m	A3

Drawing Number: 80221028-DRG-R1-RF-1003

Revision: 0

DATE PLOTTED: 28 May 2021 1:55 PM BY: JIREH GUEVARRA
XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-GE-KEYP-PLAN; XRF-R1-BASE-RF; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-R1-RF-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-RF-DESN-LEGD; XRF-R1-RD-DESN-CAD
CAD File: \\cardno.corp\global\AU\NSW\Direction\Structure\Projects\80221028_Chatswood-St Leonards Cycleway\Drawings\Build\01_Drg\01_Route-1-PAC_HWY80221028-DRG-R1-RF-1003.dwg

DATE PLOTTED: 28 May 2021 1:55 PM BY: JIREH GUEVARRA





LEGEND

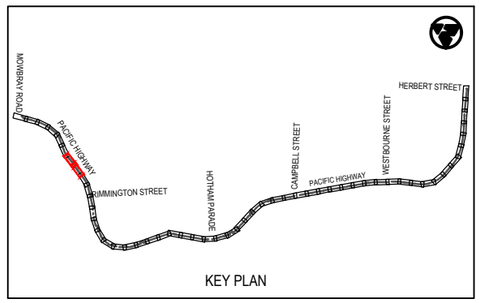
- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP — DP — CADASTRAL BOUNDARY SURVEYED
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
- PAVEMENT MARKING
- T3S14 — PAVEMENT MARKING TAG

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO CITY OF SYDNEY PATHWAYS PAVEMENT MARKING GUIDELINES FOR LINEMARKING AND PAVEMENT MARKING DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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Web: www.cardno.com.au

		Date
Drawn	J.GUEVARRA	28.05.21
Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH ROAD FURNITURE PLAN

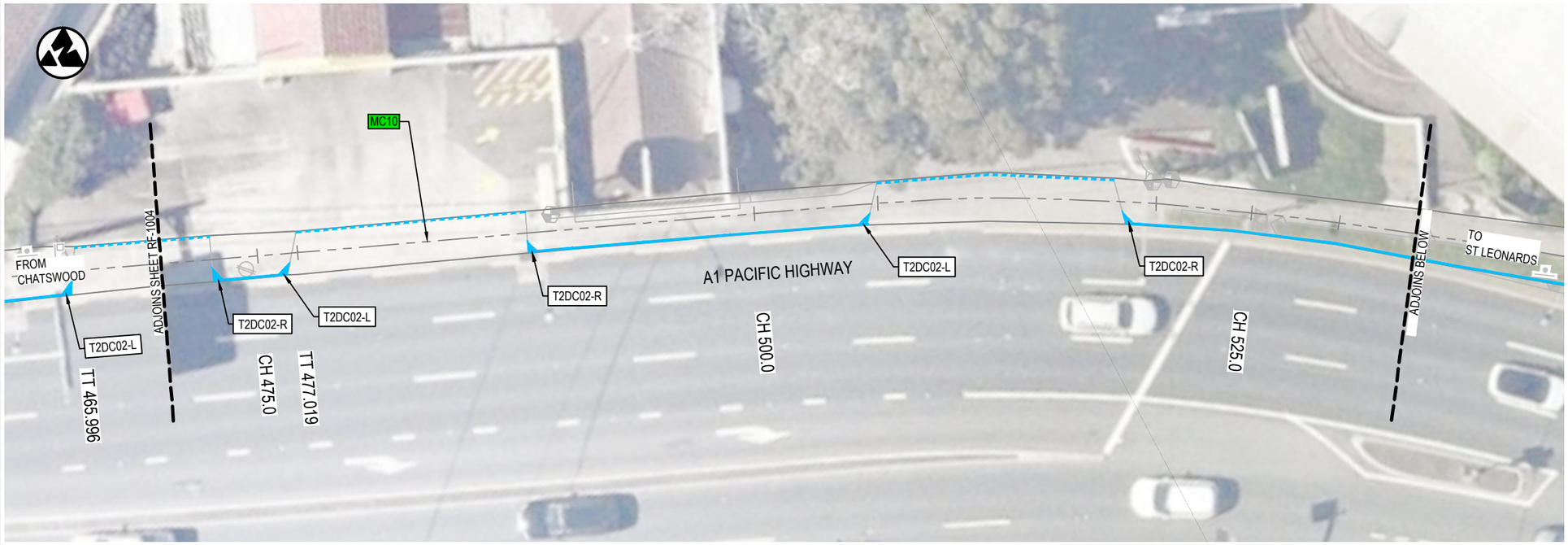
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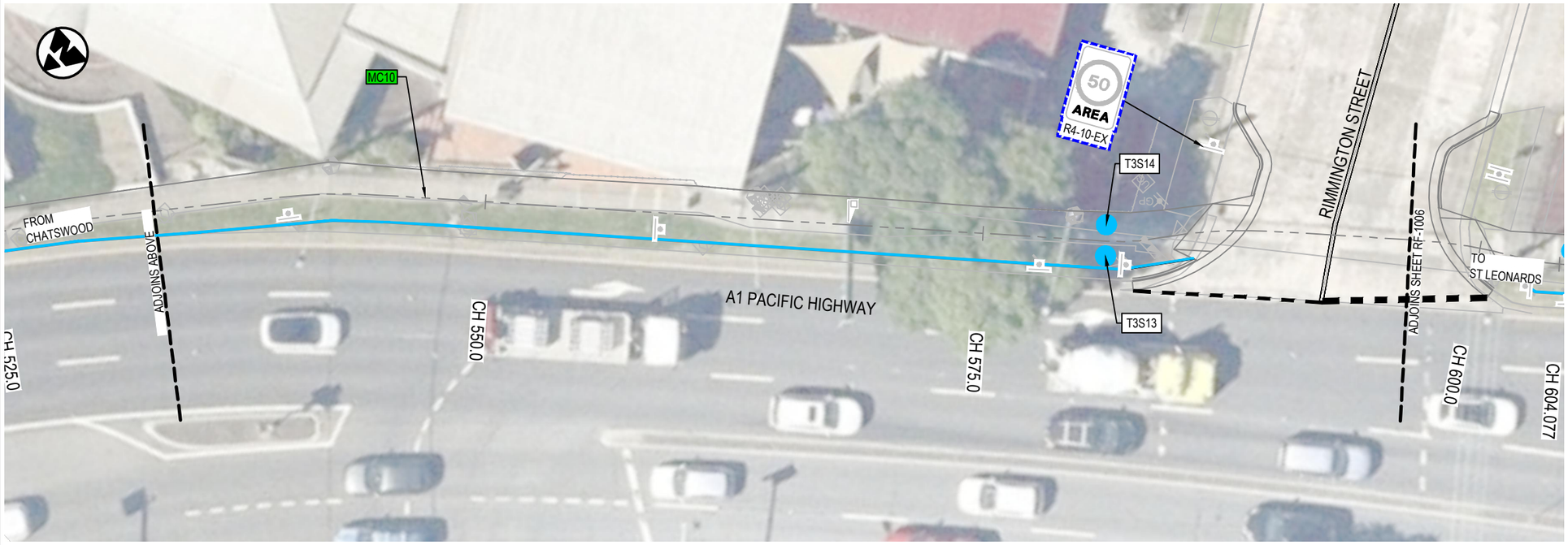
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Drawing Number: 80221028-DRG-R1-RF-1004
Revision: 0

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DATE PLOTTED: 28 May 2021 1:55 PM BY: - JIREH GUEVARRA
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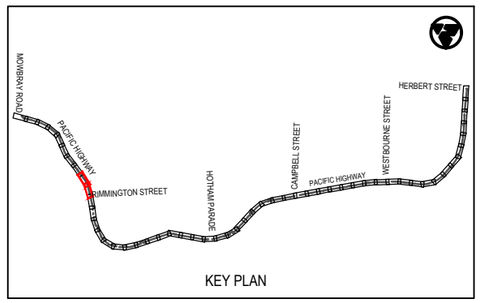
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- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP — DP — CADASTRAL BOUNDARY SURVEYED
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
- PAVEMENT MARKING
- T3S14 — PAVEMENT MARKING TAG

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO CITY OF SYDNEY PATHWAYS PAVEMENT MARKING GUIDELINES FOR LINEMARKING AND PAVEMENT MARKING DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

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SCALE 1:250m

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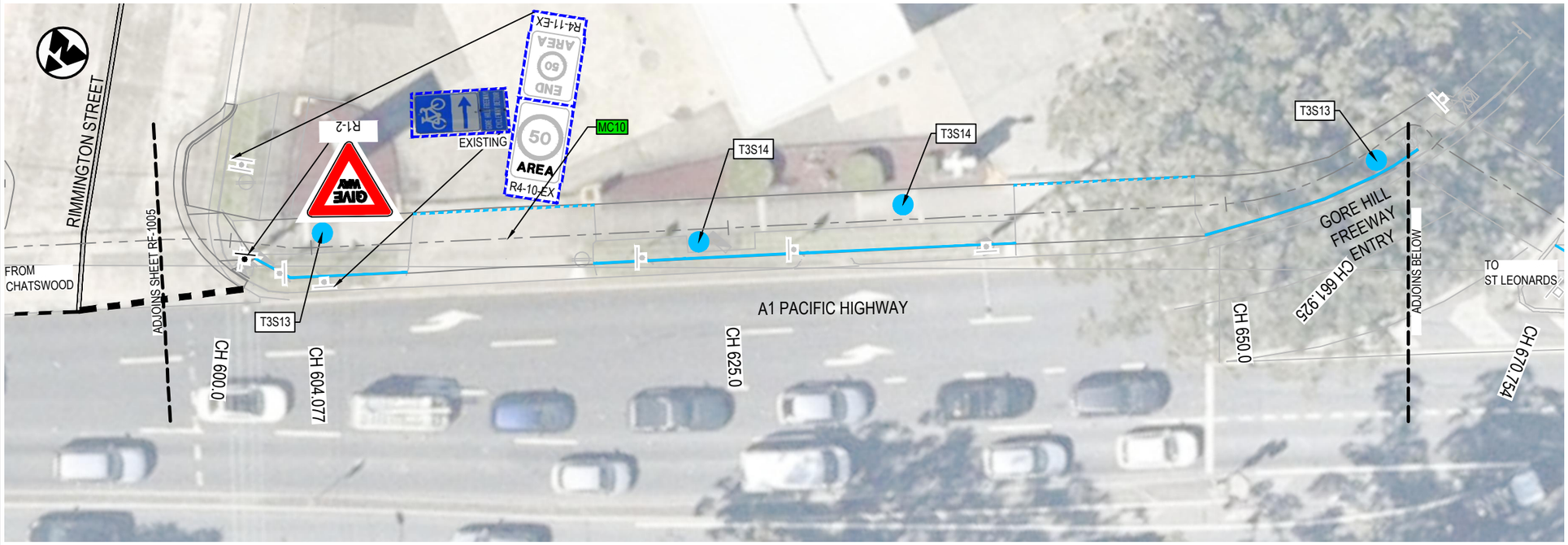
Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH ROAD FURNITURE PLAN

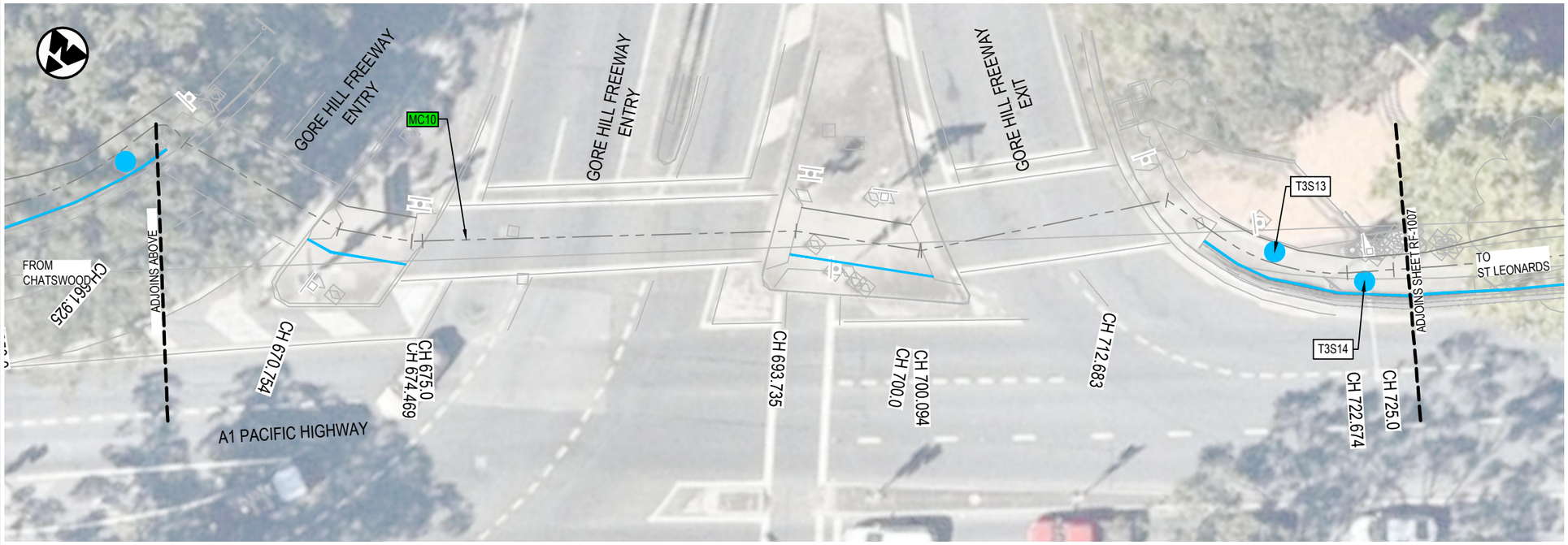
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Drawing Number: 80221028-DRG-R1-RF-1005
Revision: 0

DATE PLOTTED: 28 May 2021 1:56 PM BY : JIREH GUEVARRA





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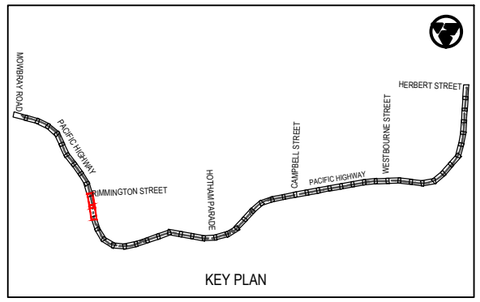
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- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
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- EXISTING CONCRETE PATH
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- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
- PAVEMENT MARKING
- T3S14 — PAVEMENT MARKING TAG

NOTES:

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KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
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Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH ROAD FURNITURE PLAN

Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
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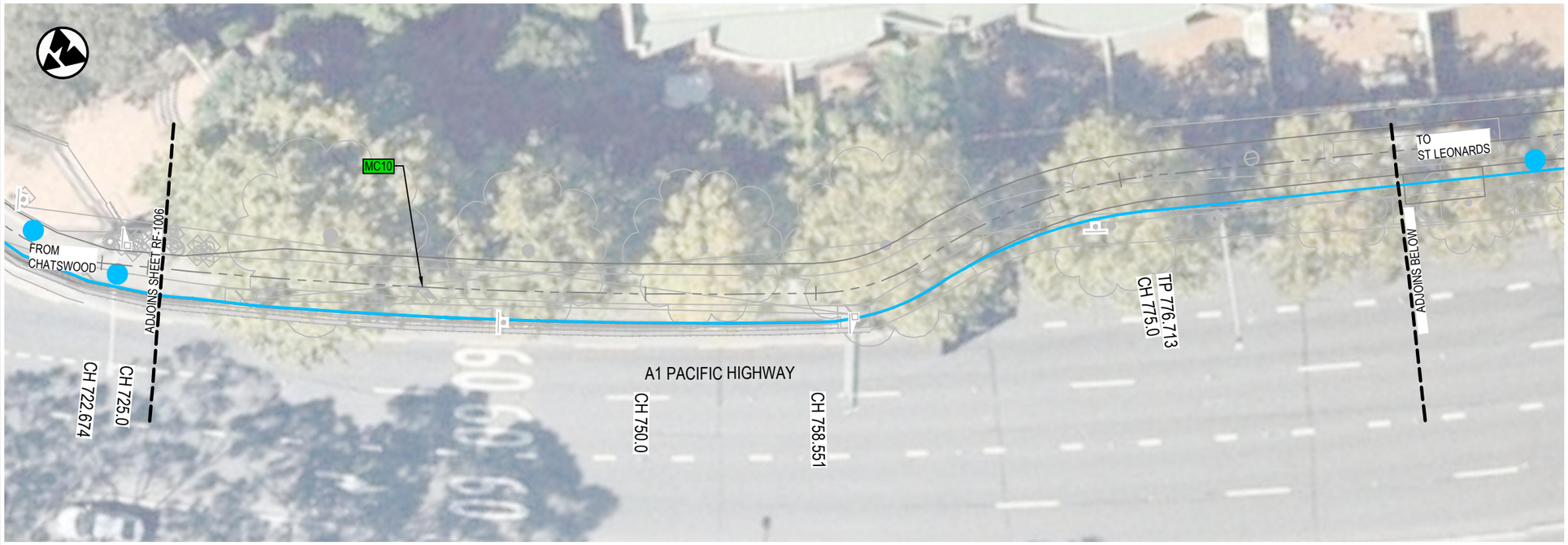
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Revision: 0

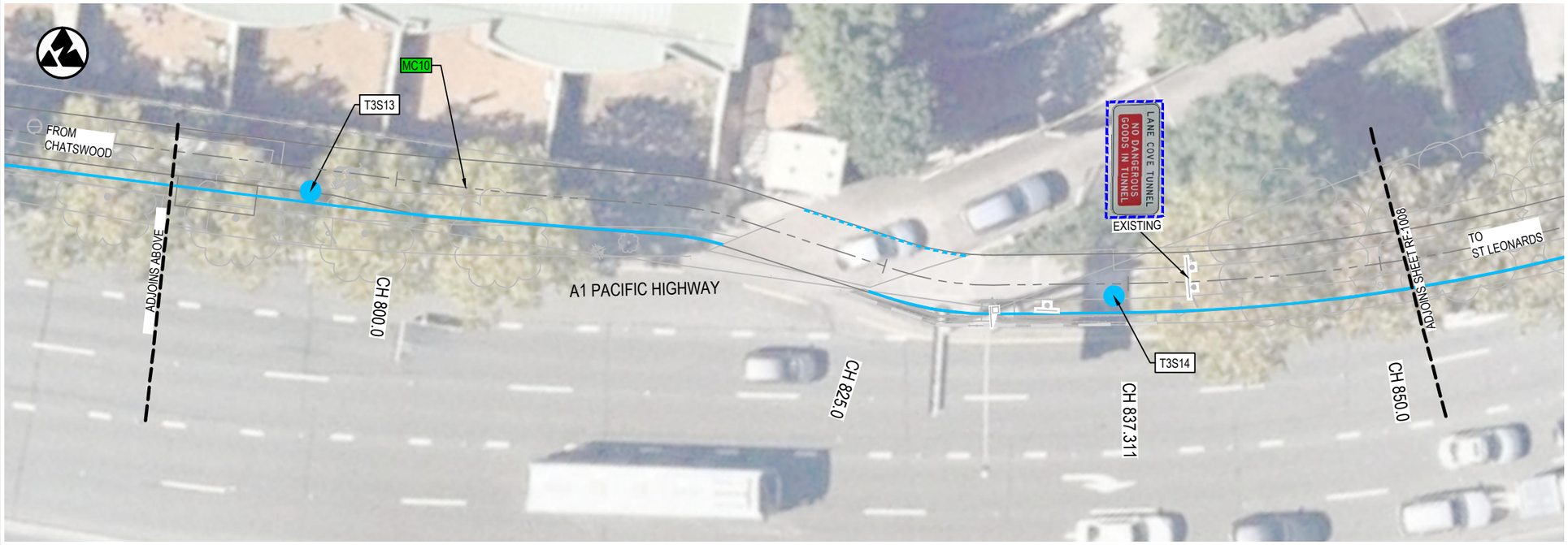
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DATE PLOTTED: 28 May 2021 1:56 PM BY: JIREH GUEVARRA

XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RF; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-R1-RF-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-RF-DESN-LEGD; XRF-R1-RD-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-RD-DESN-CAD

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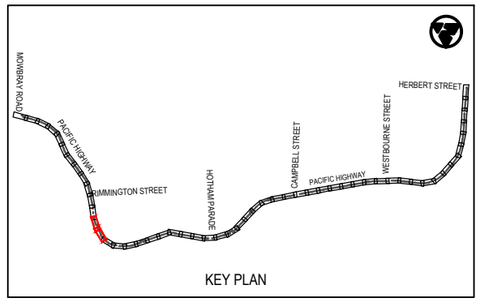
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- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP — DP — CADASTRAL BOUNDARY SURVEYED
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
- PAVEMENT MARKING
- T3S14 — PAVEMENT MARKING TAG

NOTES:

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KEY PLAN

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SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ROAD FURNITURE PLAN

Status: NOT FOR CONSTRUCTION

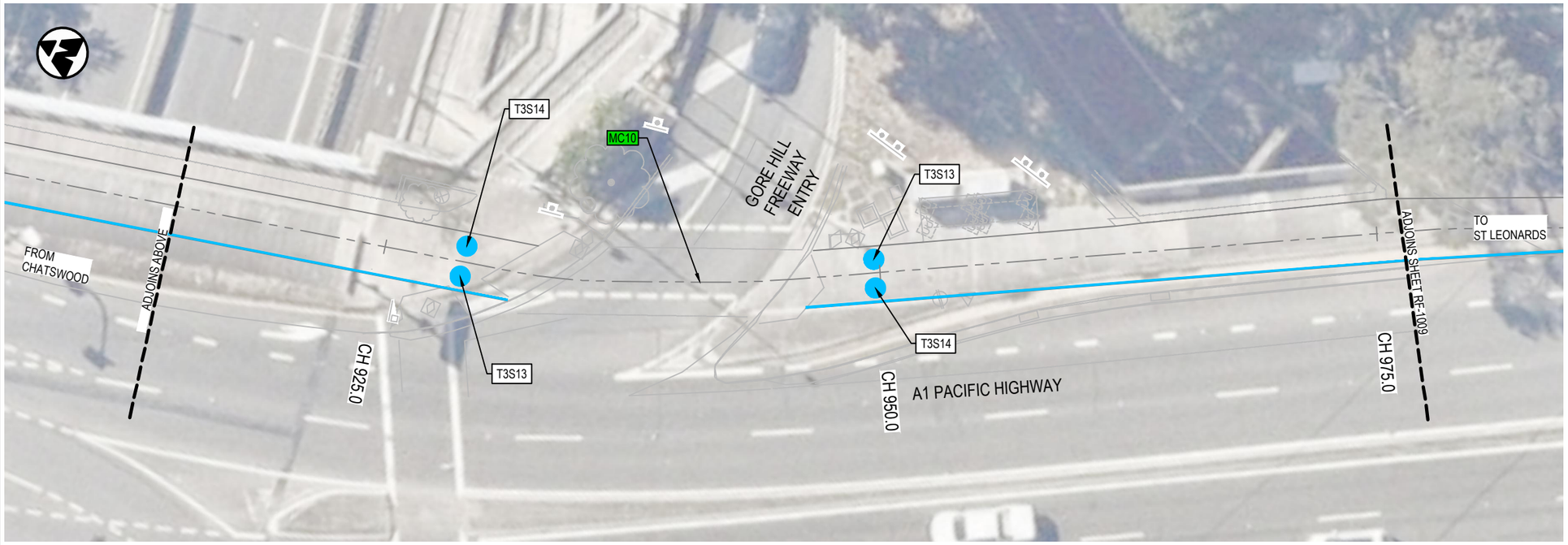
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Drawing Number: 80221028-DRG-R1-RF-1007

Revision: 0

DATE PLOTTED: 28 May 2021 1:56 PM BY: JIREH GUEVARRA
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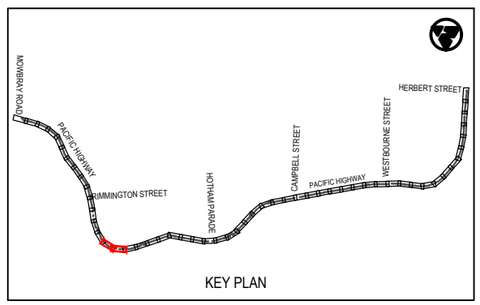
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- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP — DP — CADASTRAL BOUNDARY SURVEYED
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- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
- PAVEMENT MARKING
- T3S14 — PAVEMENT MARKING TAG

NOTES:

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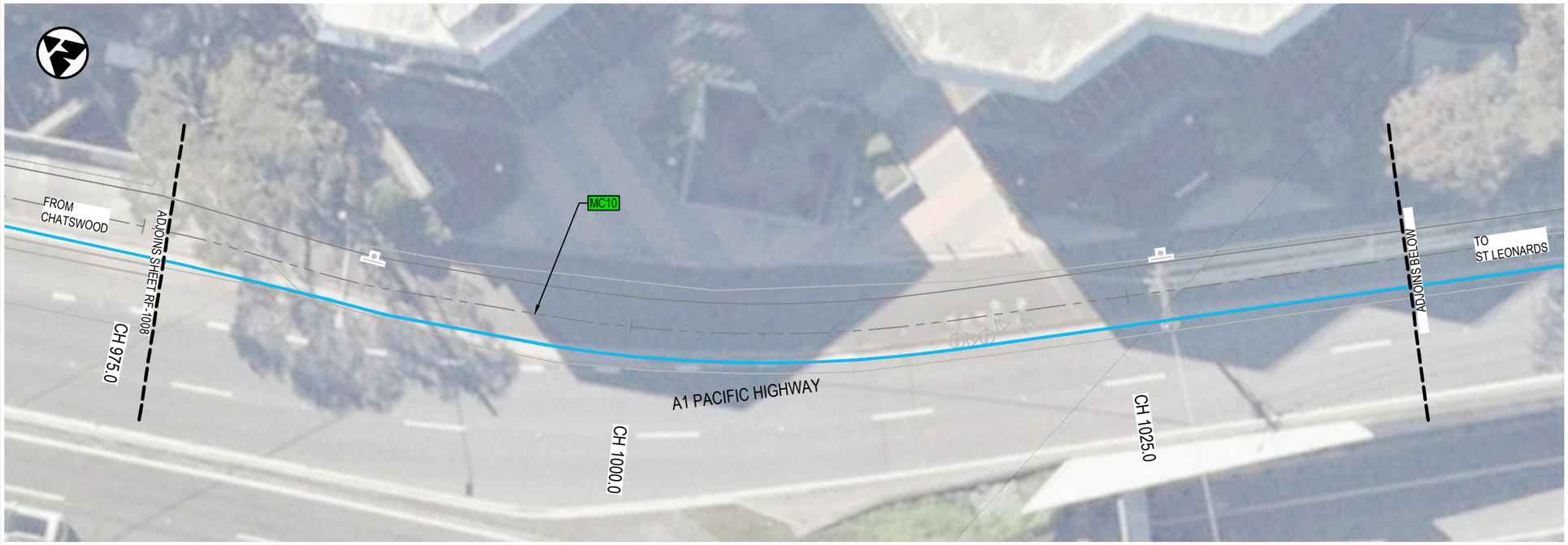
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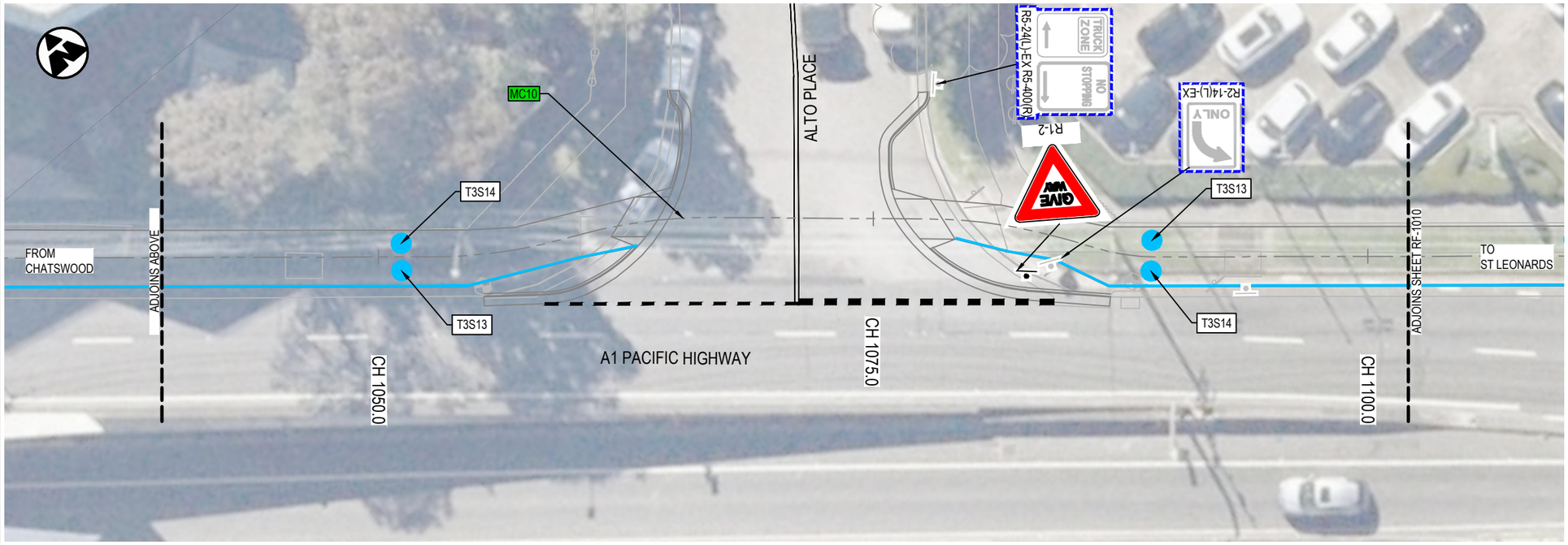
		Date
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Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH ROAD FURNITURE PLAN

Status: NOT FOR CONSTRUCTION
Datum: AHD | 8 of 27 | Scale: 1:250m | Size: A3
Drawing Number: 80221028-DRG-R1-RF-1008 | Revision: 0

DATE PLOTTED: 28 May 2021 1:56 PM BY: JIREH GUEVARRA
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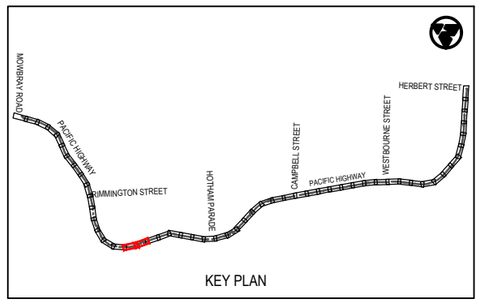
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- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP — DP — CADASTRAL BOUNDARY SURVEYED
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- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

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- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
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NOTES:

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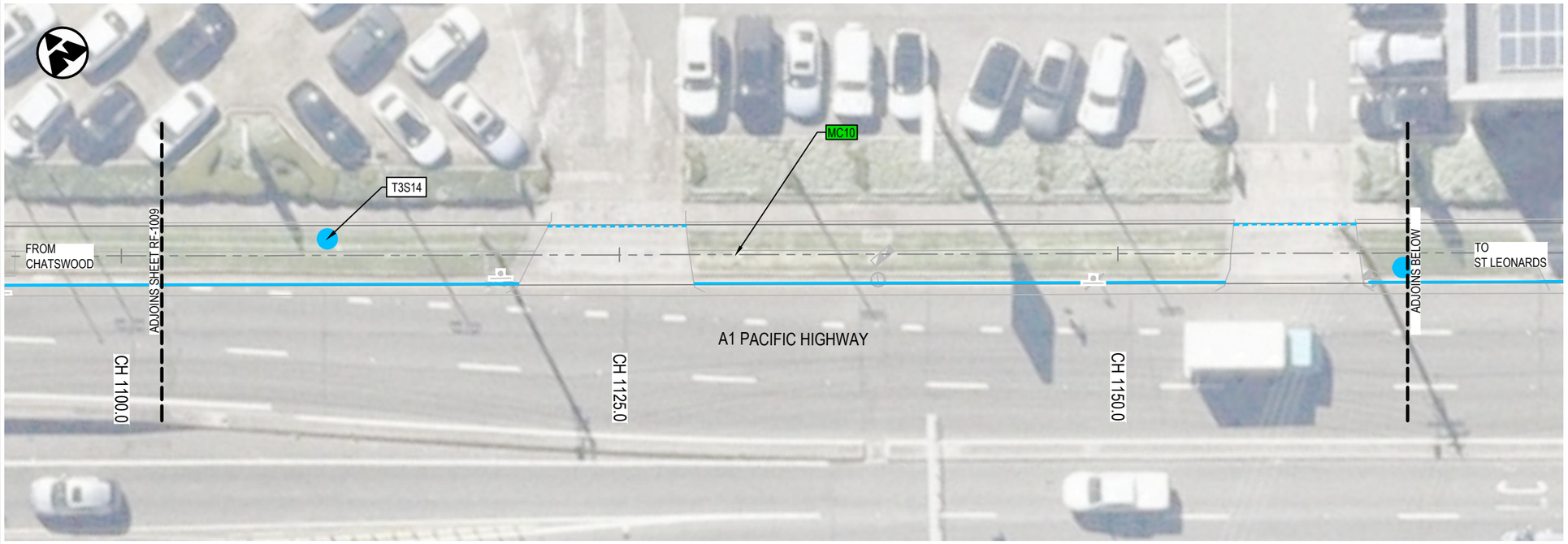
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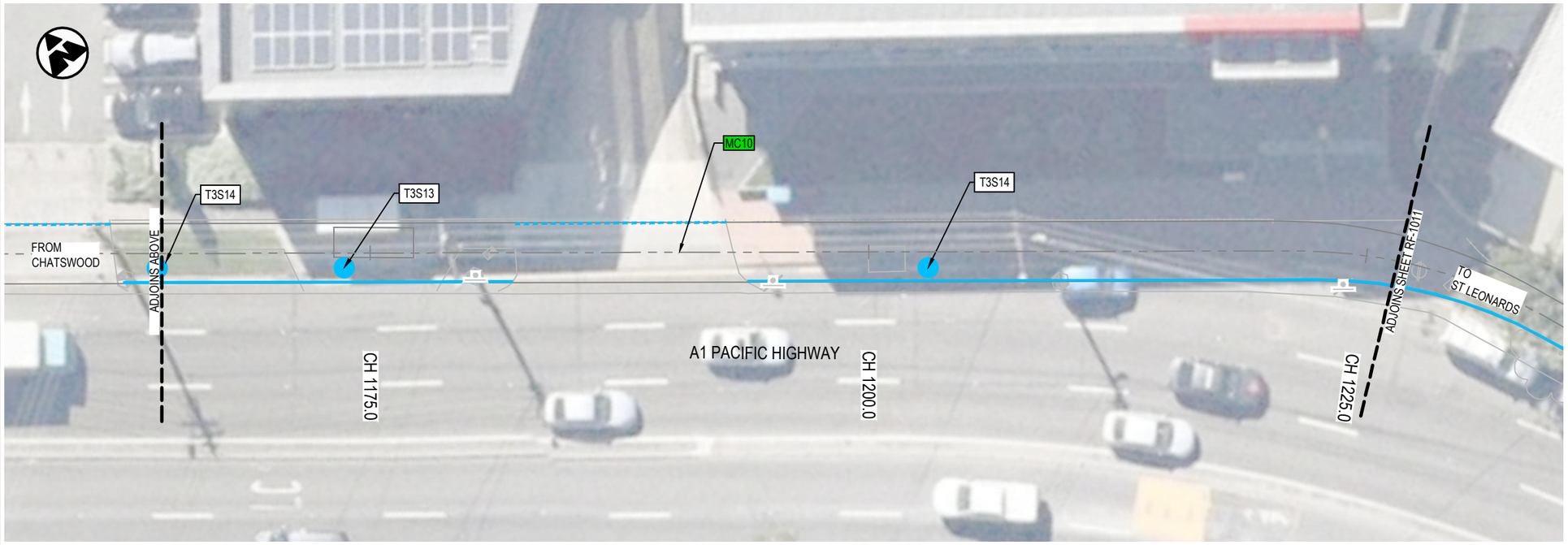
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ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH ROAD FURNITURE PLAN

Status: NOT FOR CONSTRUCTION
Datum: AHD | 9 of 27 | Scale: 1:250m | Size: A3
Drawing Number: 80221028-DRG-R1-RF-1009 | Revision: 0

DATE PLOTTED: 28 May 2021 1:56 PM BY: JIREH GUEVARRA
XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RF; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-R1-RF-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-RF-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-RD-DESN-CAD
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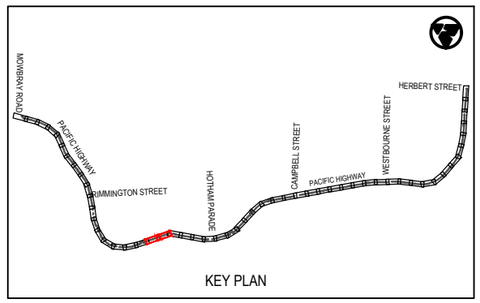
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- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP — DP — CADASTRAL BOUNDARY SURVEYED
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
- PAVEMENT MARKING
- T3S14 — PAVEMENT MARKING TAG

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO CITY OF SYDNEY PATHWAYS PAVEMENT MARKING GUIDELINES FOR LINEMARKING AND PAVEMENT MARKING DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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Tel: 02 9496 7700 Fax: 02 9439 5170
Web: www.cardno.com.au

		Date
Drawn	J.GUEVARRA	28.05.21
Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

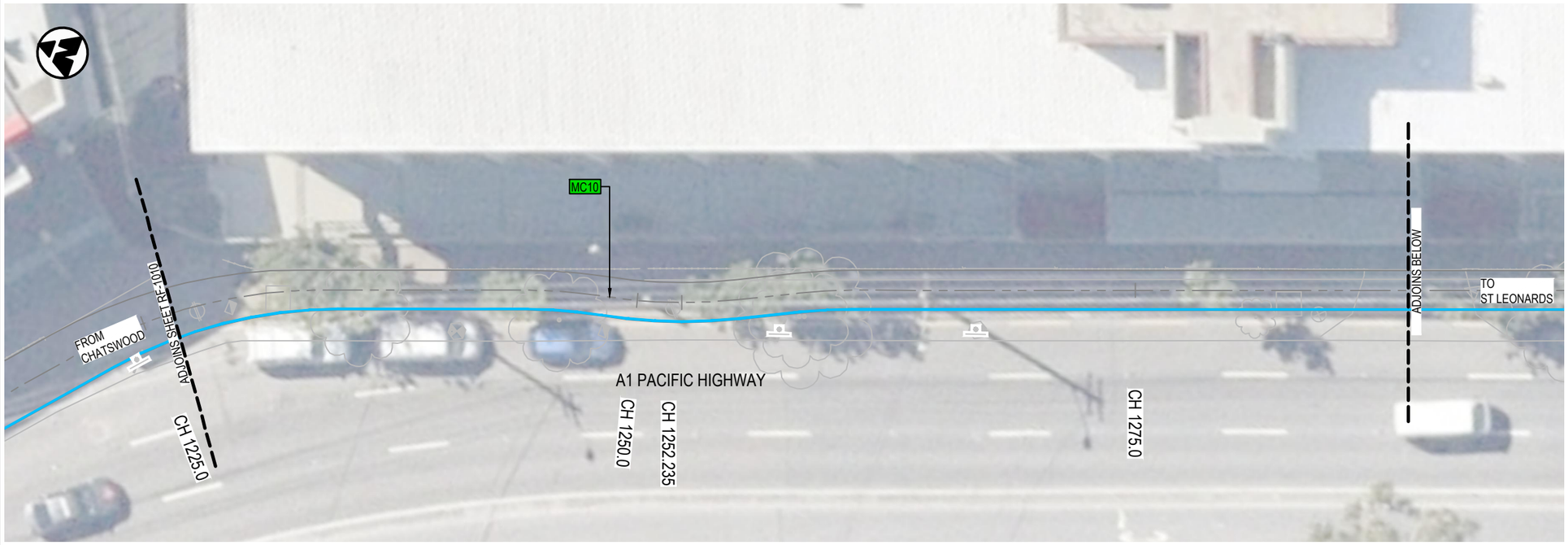
Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH ROAD FURNITURE PLAN

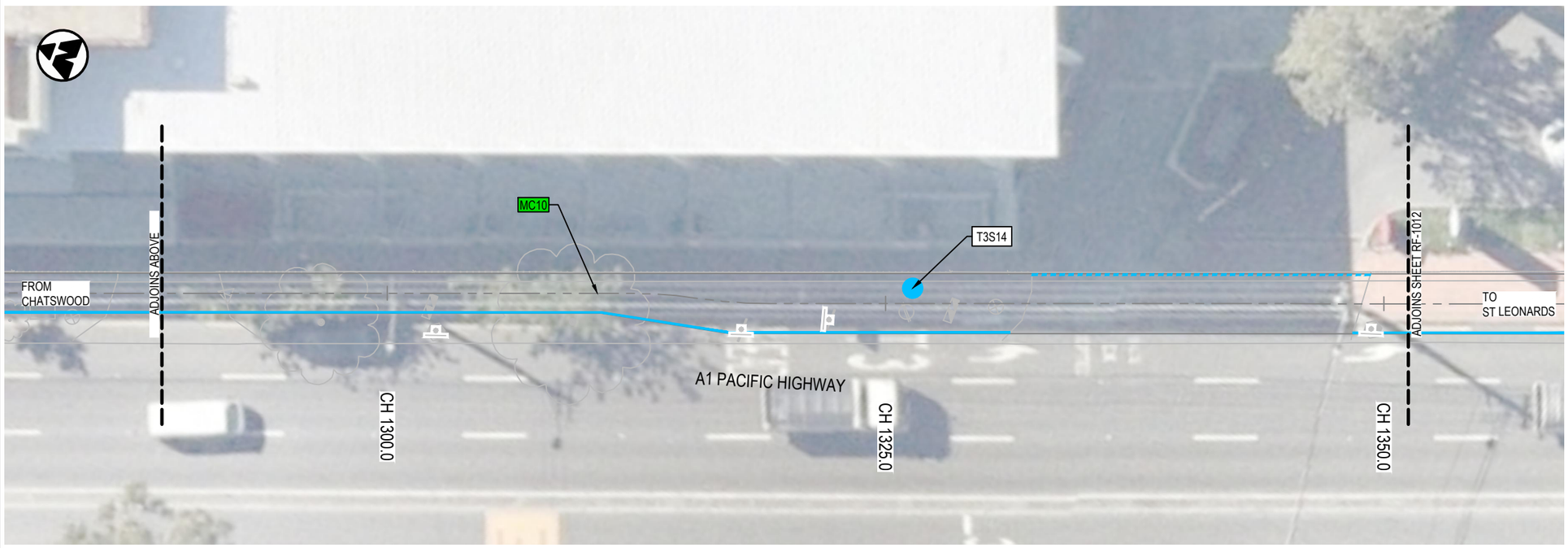
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Revision: 0

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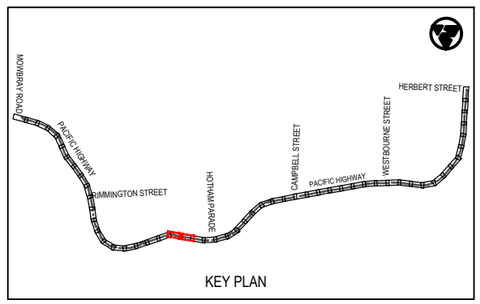
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- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP — DP — CADASTRAL BOUNDARY SURVEYED
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
- PAVEMENT MARKING
- T3S14 — PAVEMENT MARKING TAG

NOTES:

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KEY PLAN

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SCALE 1:250m

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Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH ROAD FURNITURE PLAN

Status: NOT FOR CONSTRUCTION

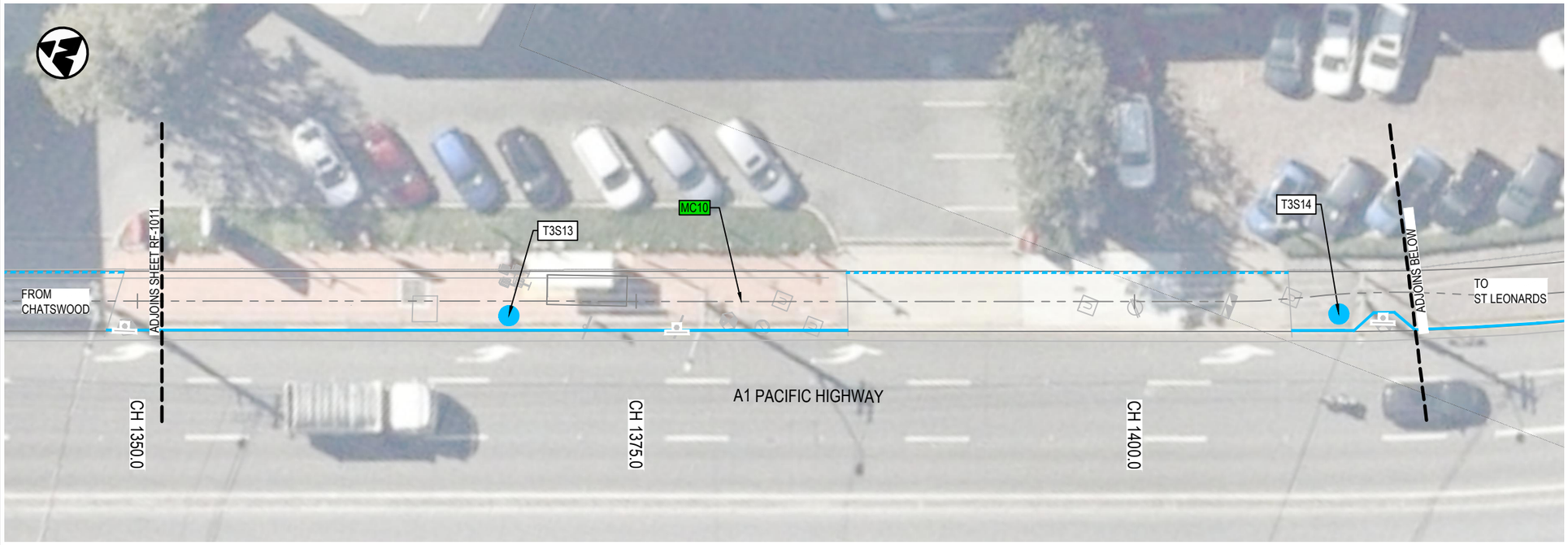
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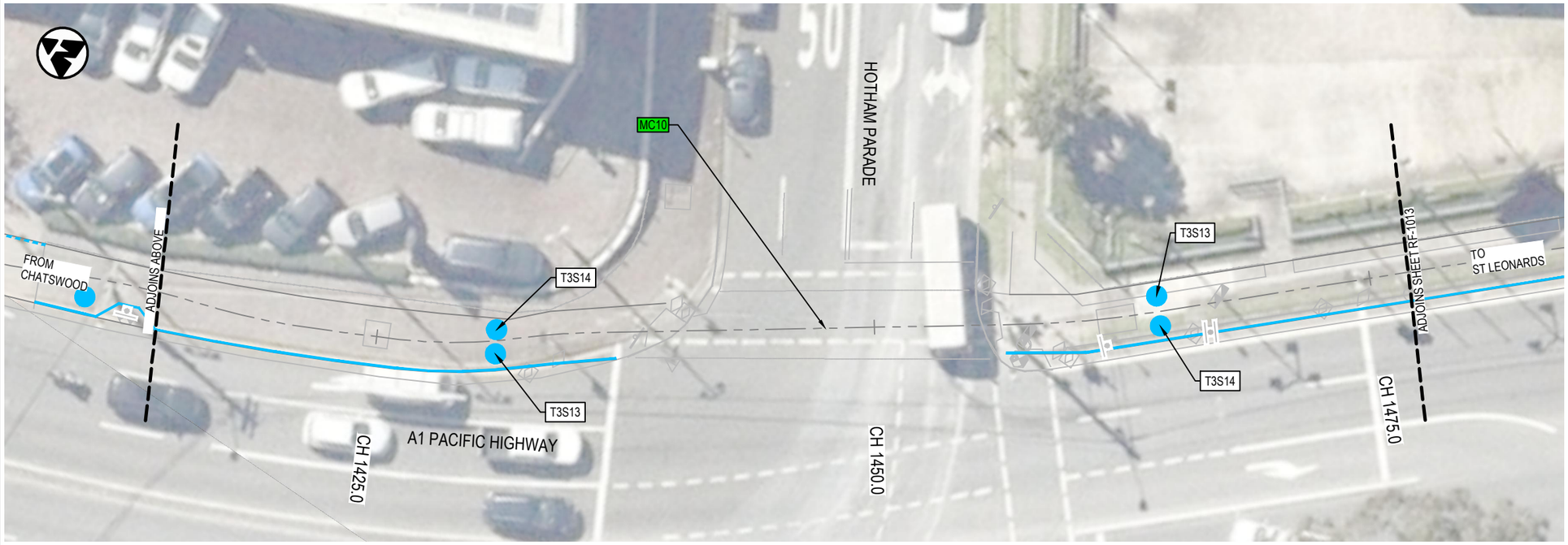
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Revision: 0

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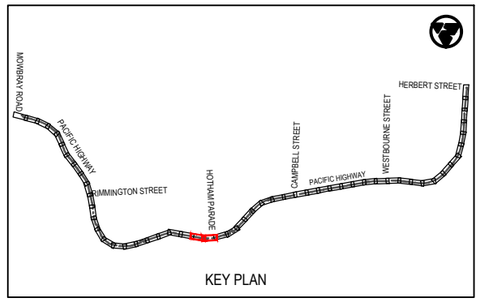
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- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP — DP — CADASTRAL BOUNDARY SURVEYED
- EXISTING CONCRETE PATH
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- EXISTING BRICK PAVING
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- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
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NOTES:

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KEY PLAN

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0 2.5 5 7.5 10
SCALE 1:250m

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Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

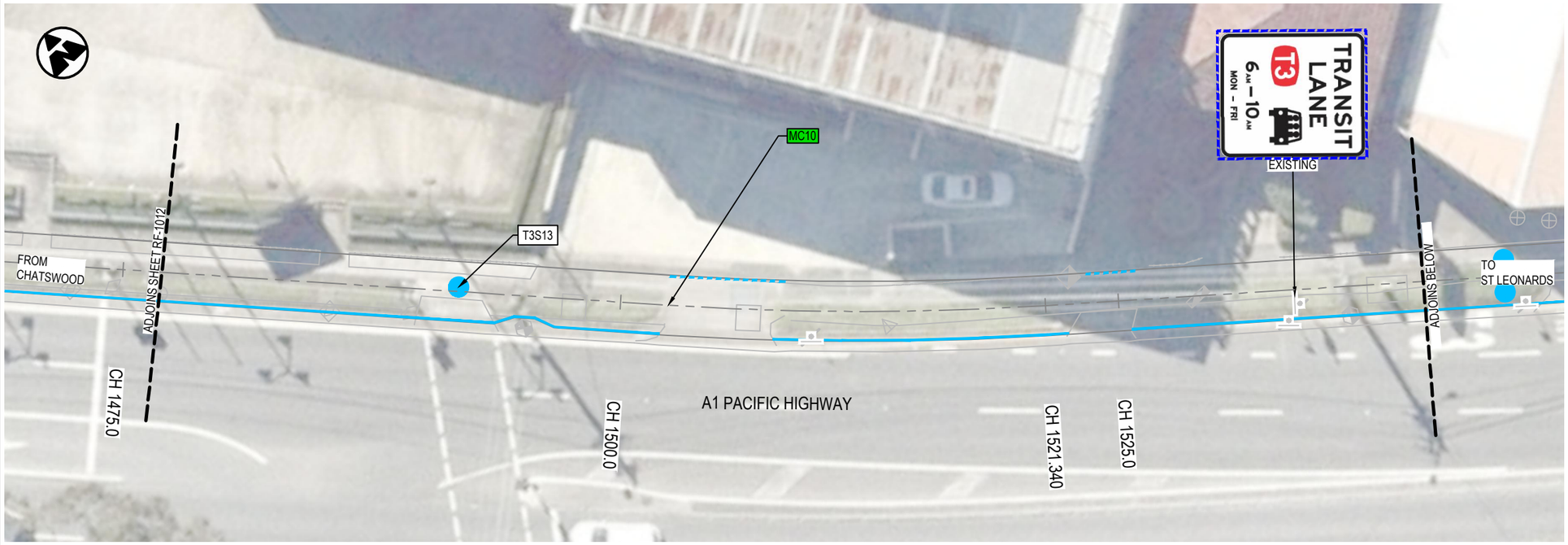
Title: SHARED PATH ROAD FURNITURE PLAN

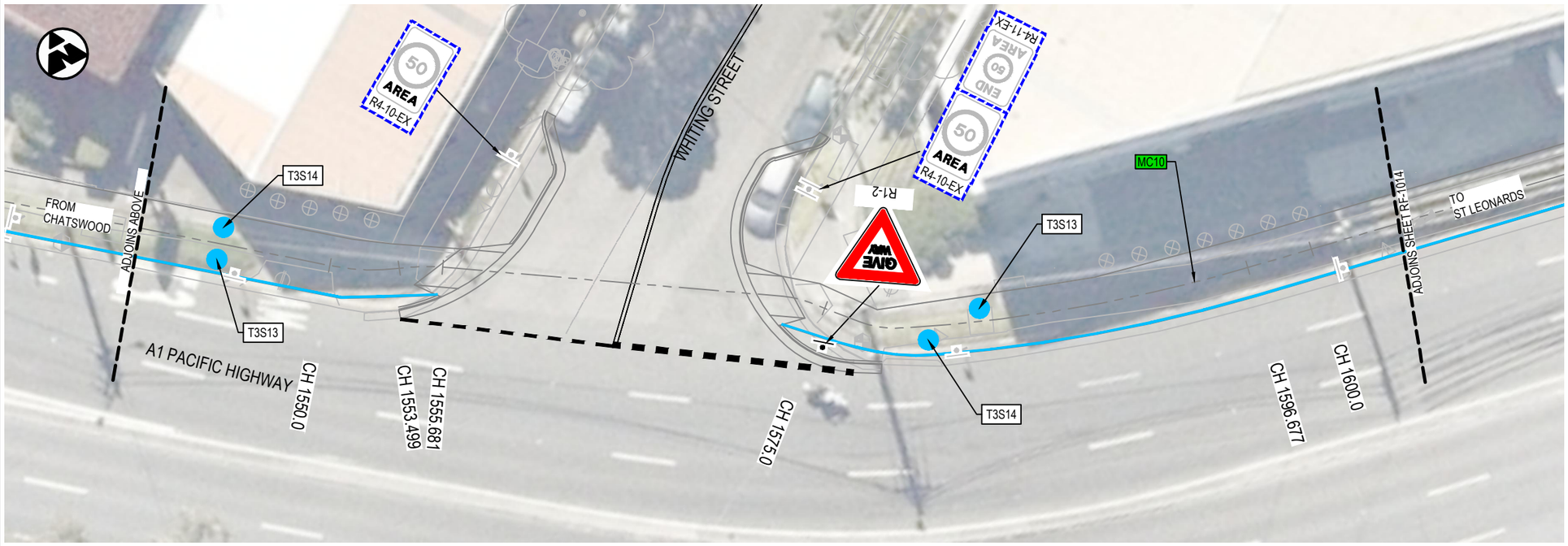
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Drawing Number: 80221028-DRG-R1-RF-1012

Revision: 0





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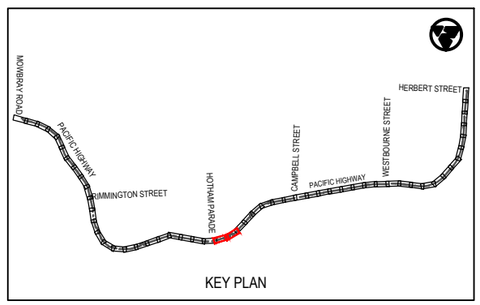
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- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP — DP — CADASTRAL BOUNDARY SURVEYED
- EXISTING CONCRETE PATH
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- EXISTING BRICK PAVING
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- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
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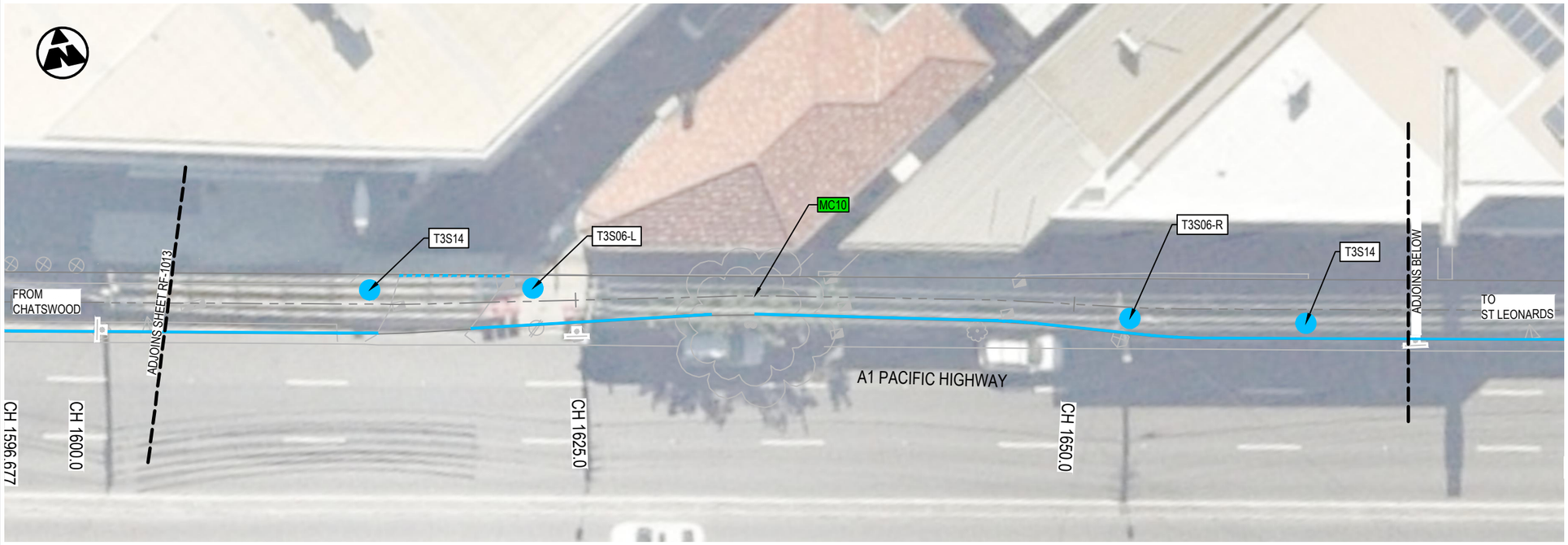
		Date
Drawn	J.GUEVARRA	28.05.21
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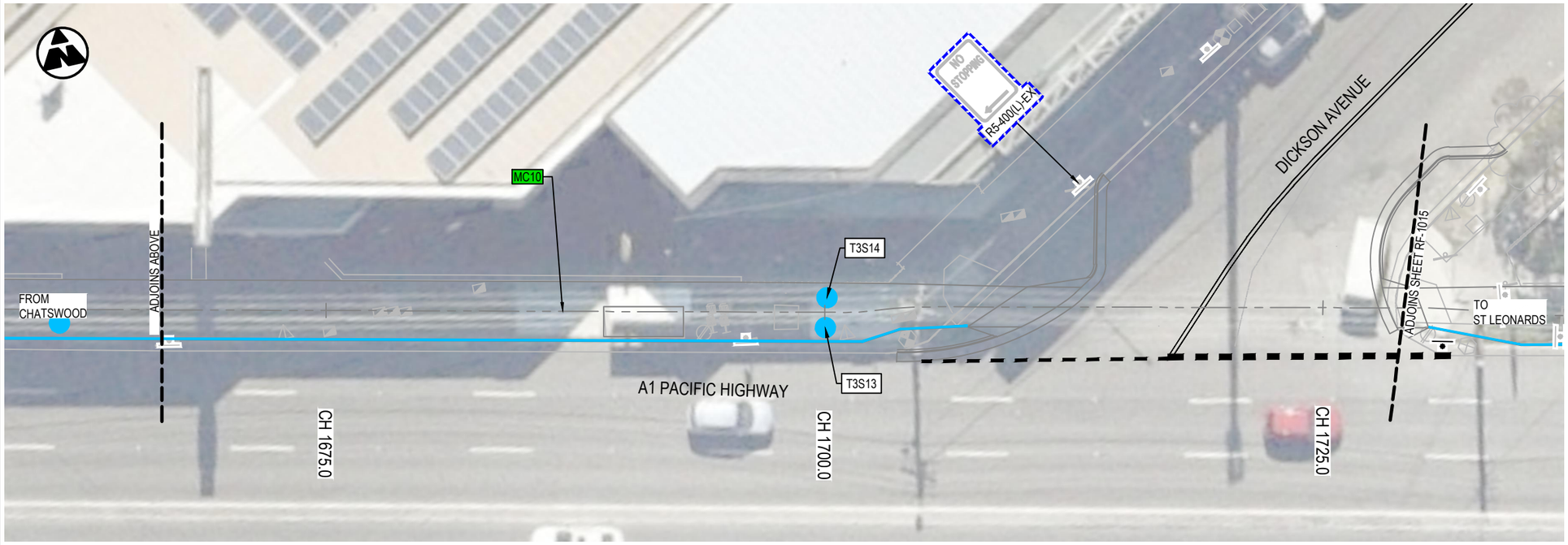
Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH ROAD FURNITURE PLAN

Status: NOT FOR CONSTRUCTION
Datum: AHD | 13 of 27 | Scale: 1:250m | Size: A3
Drawing Number: 80221028-DRG-R1-RF-1013 | Revision: 0

DATE PLOTTED: 28 May 2021 1:57 PM BY : JIREH GUEVARRA
XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RF; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-R1-RF-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-RF-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-RD-DESN-CAD
CAD File: \\cardno.com\global\AU\NSW\Directory\Structure\Projects\80ZOFY21\028_Chatswood-St Leonards Cycleway\Drawings\Build\01_Dgn\01_Route-1-PAC_HWY\80221028-DRG-R1-RF-1013.dwg

DATE PLOTTED: 28 May 2021 1:57 PM BY: JIREH GUEVARRA





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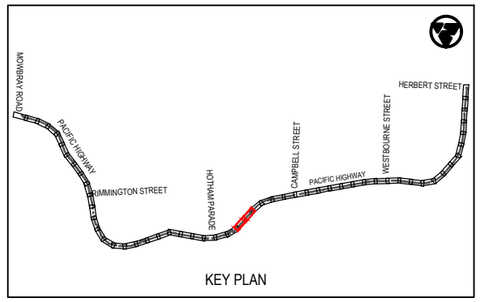
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- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP — DP — CADASTRAL BOUNDARY SURVEYED
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
- PAVEMENT MARKING
- T3S14 — PAVEMENT MARKING TAG

NOTES:

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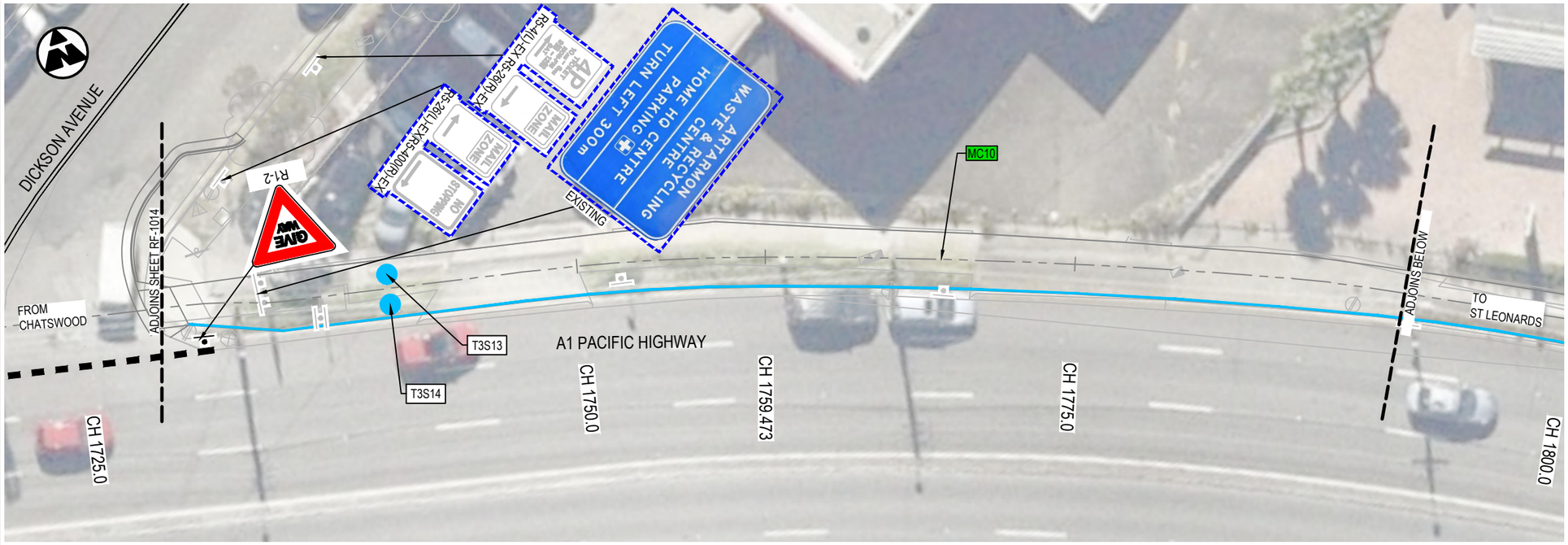
		Date
Drawn	J.GUEVARRA	28.05.21
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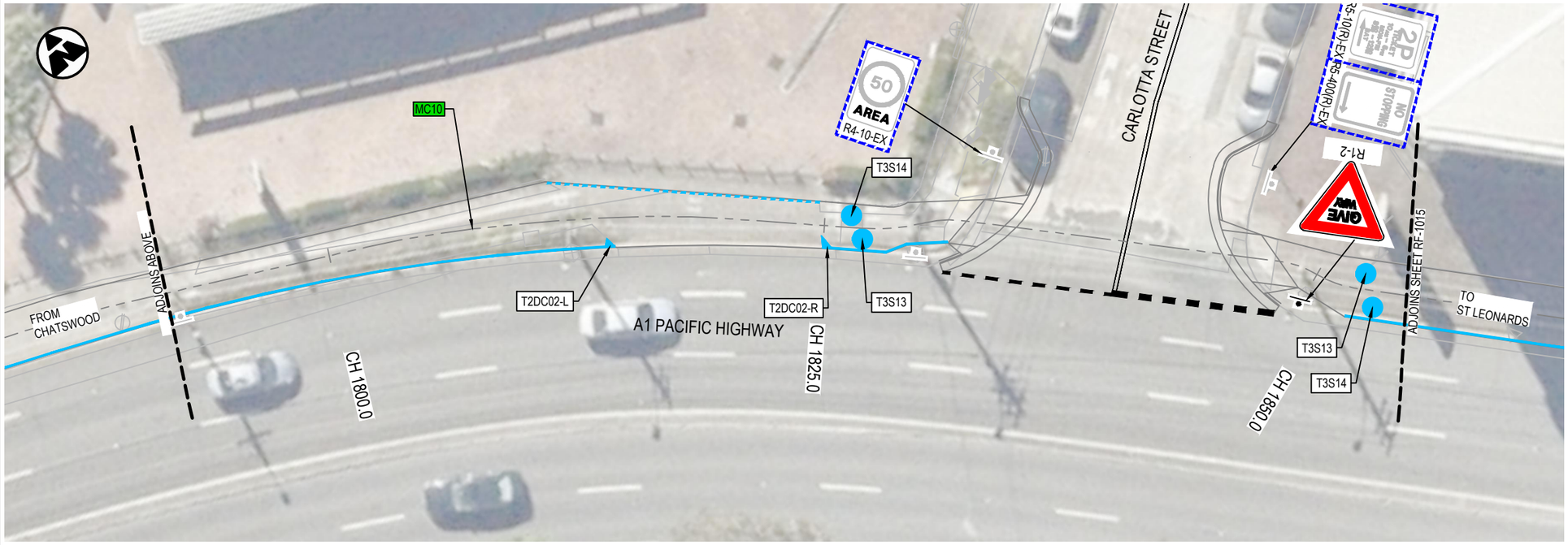
Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH ROAD FURNITURE PLAN

Status: NOT FOR CONSTRUCTION
Datum: AHD | 14 of 27 | Scale: 1:250m | Size: A3
Drawing Number: 80221028-DRG-R1-RF-1014 | Revision: 0

XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RF; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-R1-RF-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-RF-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-RD-DESN-PLAN; XRF-R1-RF-DESN-PLAN; XRF-R1-RD-DESN-KEYP-PLAN; XRF-R1-RF-DESN-KEYP-PLAN
CAD File: \\cardno.com\global\AU\NSW\Directory\Structure\Projects\80221028_Chatswood SI Leonards Cycleway\Drawings\Build\01_Dgn\01_Route-1-PAC_HWY\80221028-DRG-R1-RF-1014.dwg

DATE PLOTTED: 28 May 2021 1:58 PM BY: JIREH GUEVARRA
XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RF; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-R1-RF-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-RF-DESN-LEGD; XRF-R1-RD-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-RD-DESN-CAD
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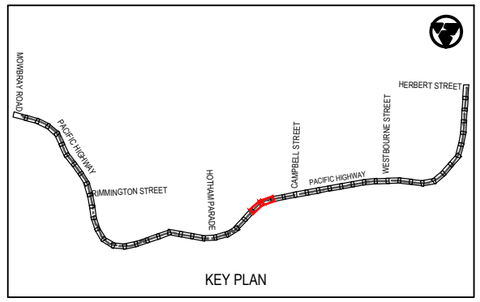
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- MC10 — CONTROL LINE TAG
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- PROJECT BOUNDARY
- DP — DP — CADASTRAL BOUNDARY SURVEYED
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
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SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
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ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH ROAD FURNITURE PLAN

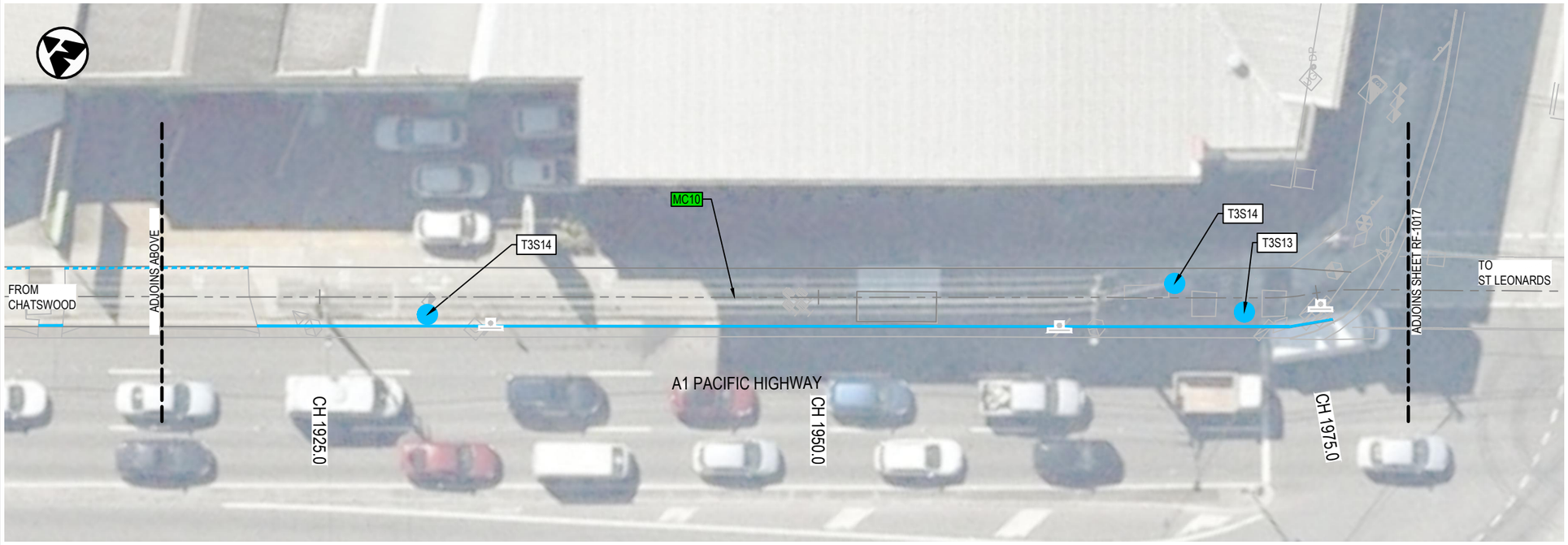
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Datum		Scale	Size
AHD	15 of 27	1:250m	A3

Drawing Number: 80221028-DRG-R1-RF-1015
Revision: 0

DATE PLOTTED: 28 May 2021 1:58 PM BY: JIREH GUEVARRA
XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RF; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-R1-RF-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-RF-DESN-LEGD; XRF-R1-RF-DESN-LEGD; XRF-R1-RF-DESN-KEYP-PLAN; XRF-R1-RD-DESN-PLAN
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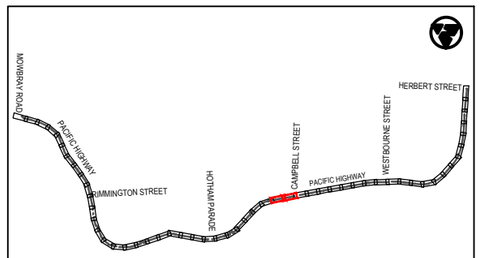
- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP — DP — CADASTRAL BOUNDARY SURVEYED
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
- PAVEMENT MARKING
- T3S14 — PAVEMENT MARKING TAG

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO CITY OF SYDNEY PATHWAYS PAVEMENT MARKING GUIDELINES FOR LINEMARKING AND PAVEMENT MARKING DETAILS.



Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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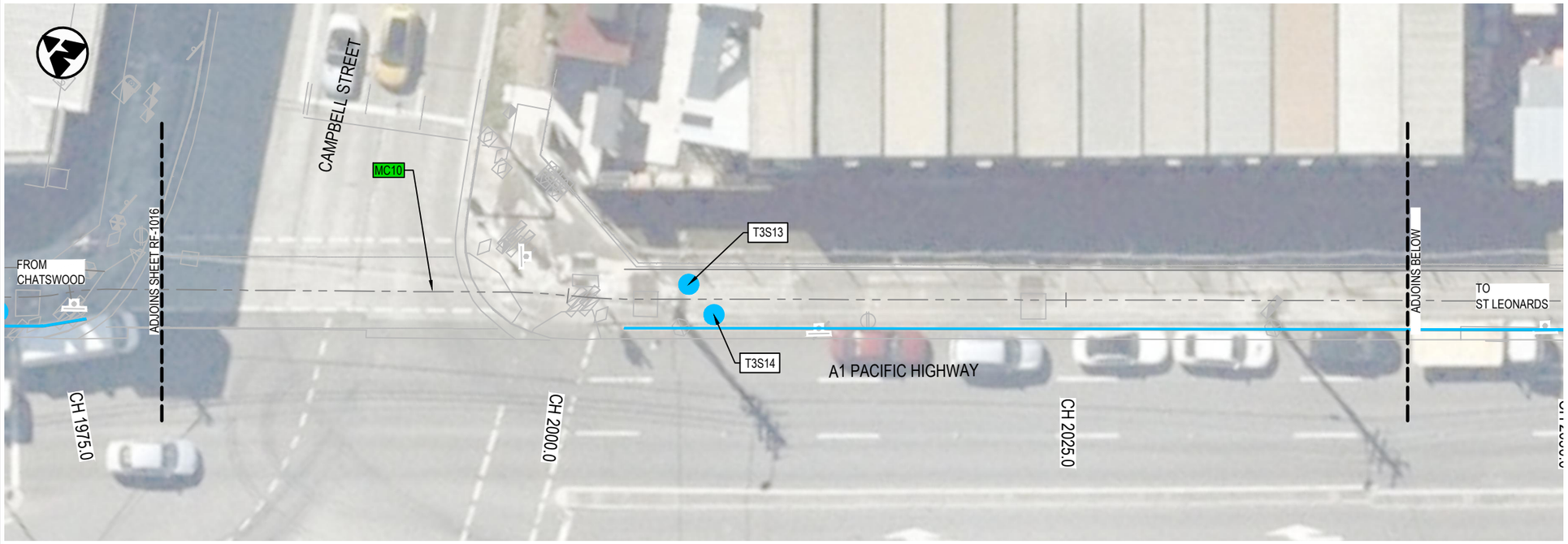
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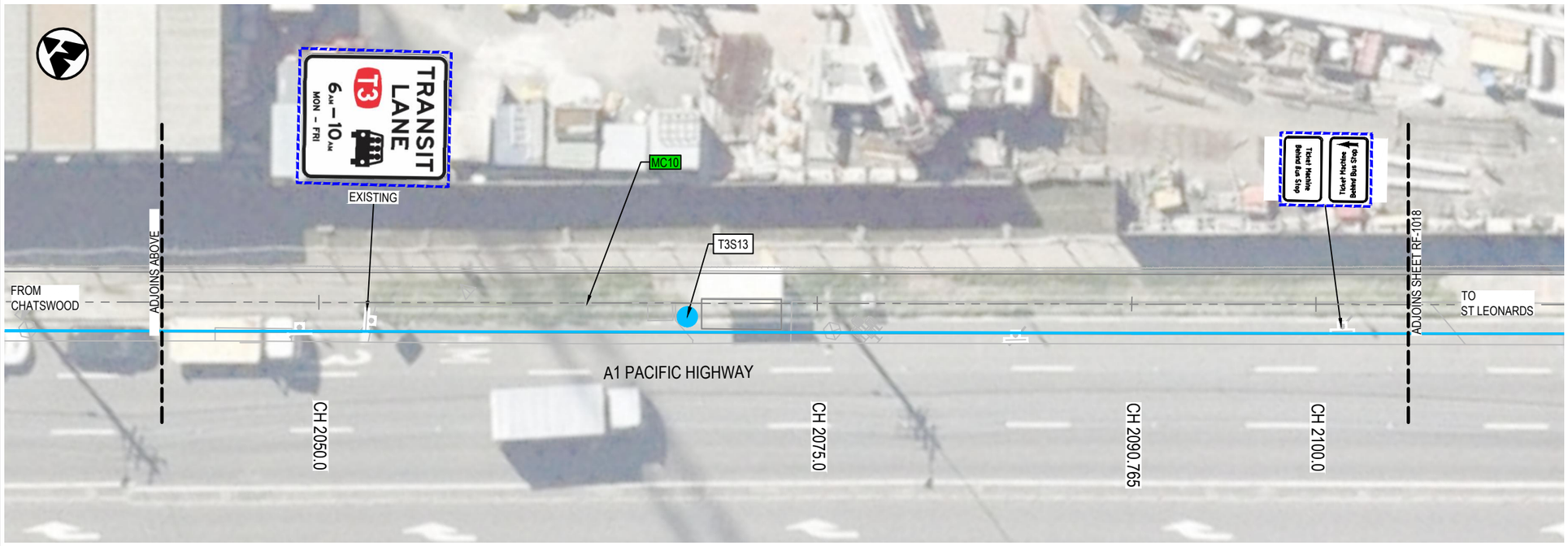
		Date
Drawn	J.GUEVARRA	28.05.21
Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH ROAD FURNITURE PLAN

Status: NOT FOR CONSTRUCTION
Datum: AHD | 16 of 27 | Scale: 1:250m | Size: A3
Drawing Number: 80221028-DRG-R1-RF-1016 | Revision: 0

DATE PLOTTED: 28 May 2021 1:58 PM BY: JIREH GUEVARRA





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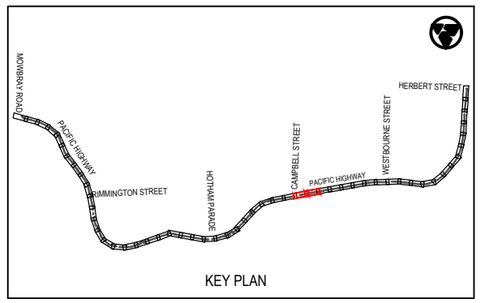
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- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP — DP — CADASTRAL BOUNDARY SURVEYED
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
- PAVEMENT MARKING
- T3S14 — PAVEMENT MARKING TAG

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO CITY OF SYDNEY PATHWAYS PAVEMENT MARKING GUIDELINES FOR LINEMARKING AND PAVEMENT MARKING DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
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0 2.5 5 7.5 10
SCALE 1:250m

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		Date
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Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ROAD FURNITURE PLAN

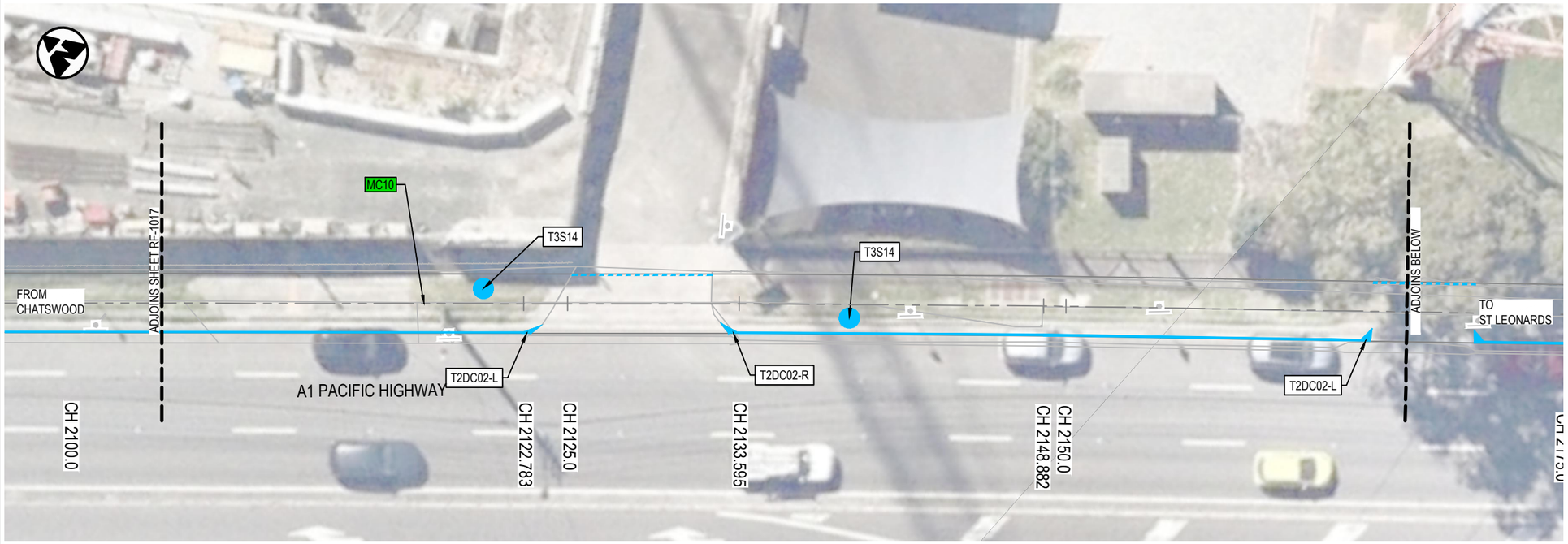
Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
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Drawing Number: 80221028-DRG-R1-RF-1017
Revision: 0

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CAD File: \\cardno.com\global\AUNSW\Directory\Structure\Projects\80\2FY21\028_Chatswood-St Leonards Cycleway\Drawings\Build\01 Dry\01_Route-1-PAC_HWY\80221028-DRG-R1-RF-1017.dwg

DATE PLOTTED: 28 May 2021 1:58 PM BY: JIREH GUEVARRA





LEGEND

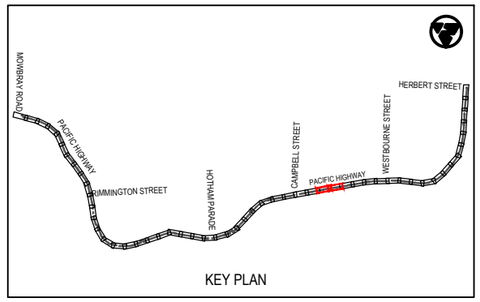
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- CONTROL LINE TAG (MC10)
- PROPOSED DESIGN
- PROJECT BOUNDARY
- CADASTRAL BOUNDARY SURVEYED (DP — DP)
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN (R8-2)
- EXISTING SIGNPOST
- EXISTING SIGN (R8-2)
- EXISTING SIGN TO BE RELOCATED (R8-2)
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
- PAVEMENT MARKING
- PAVEMENT MARKING TAG (T3S14)

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO CITY OF SYDNEY PATHWAYS PAVEMENT MARKING GUIDELINES FOR LINEMARKING AND PAVEMENT MARKING DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
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SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH ROAD FURNITURE PLAN

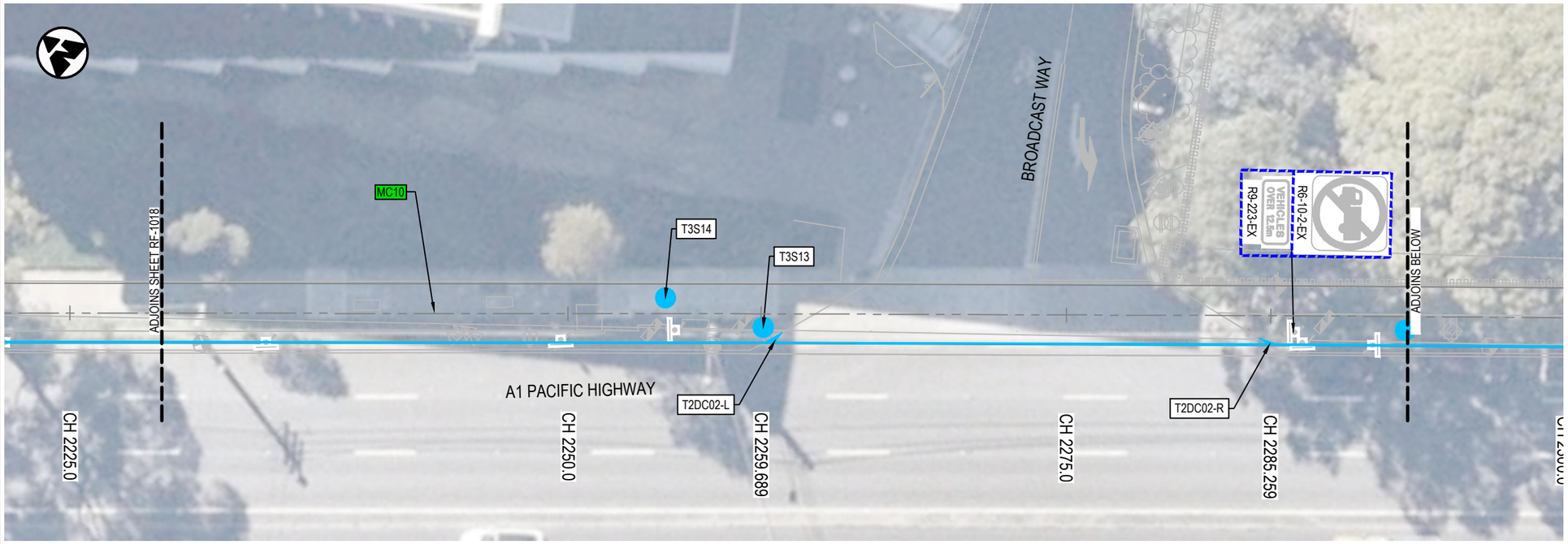
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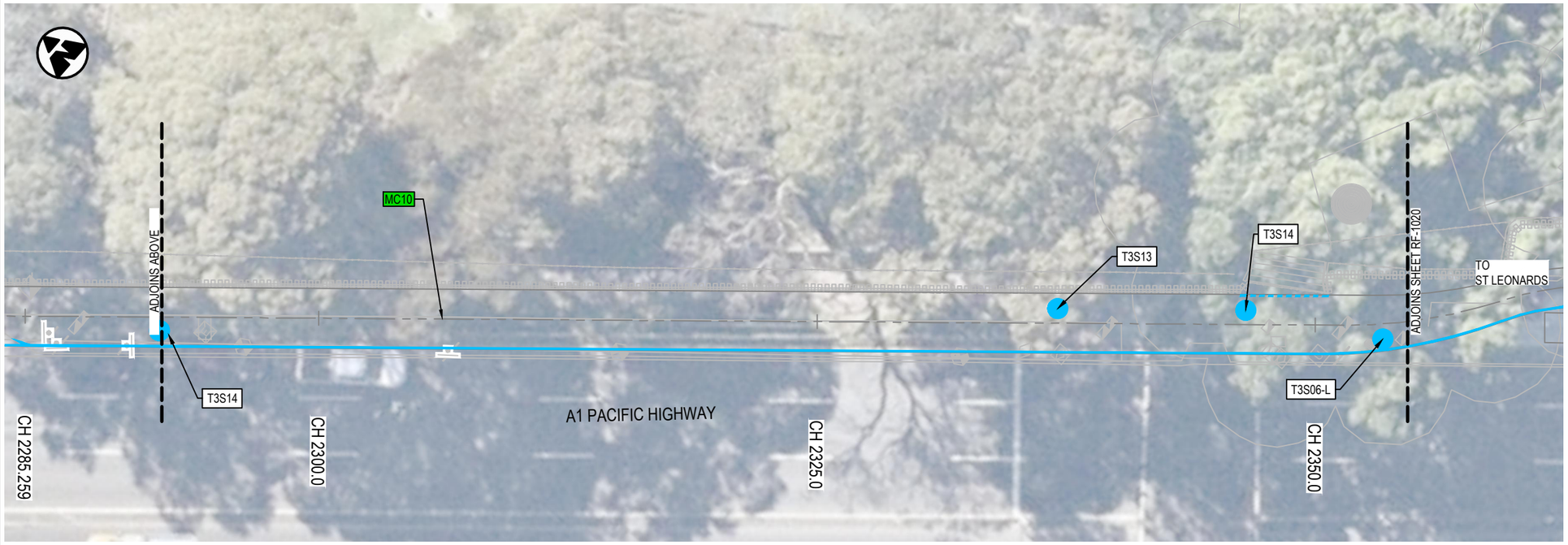
Datum		Scale	Size
AHD	18 of 27	1:250m	A3

Drawing Number: 80221028-DRG-R1-RF-1018
Revision: 0

XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RF; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-R1-RF-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-RF-DESN-LEGD; XRF-R1-RF-DESN-LEGD; XRF-R1-RF-DESN-CAD
CAD File: \\cardno.corp\global\AU\NSW\Directory\Structure\Projects\80221028_Chatswood-St Leonards Cycleway\Drawings\Build\01_Dgn\01_Route-1-PAC_HWY\80221028-DRG-R1-RF-1018.dwg

DATE PLOTTED: 28 May 2021 1:58 PM BY: JIREH GUEVARRA
XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RF; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-R1-RF-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-RF-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-RD-DESN-CAD
CAD File: \\cardno.corp\global\AU\NSW\Directory\Structure\Projects\80221028_Chatswood-St Leonards Cycleway\Drawings\Build\01_Drg\01_Route-1-PAC_HWY80221028-DRG-R1-RF-1019.dwg





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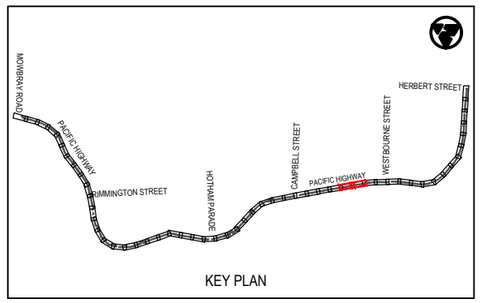
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- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP—DP — CADASTRAL BOUNDARY SURVEYED
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
- PAVEMENT MARKING
- T3S14 — PAVEMENT MARKING TAG

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO CITY OF SYDNEY PATHWAYS PAVEMENT MARKING GUIDELINES FOR LINEMARKING AND PAVEMENT MARKING DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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		Date
Drawn	J.GUEVARRA	28.05.21
Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

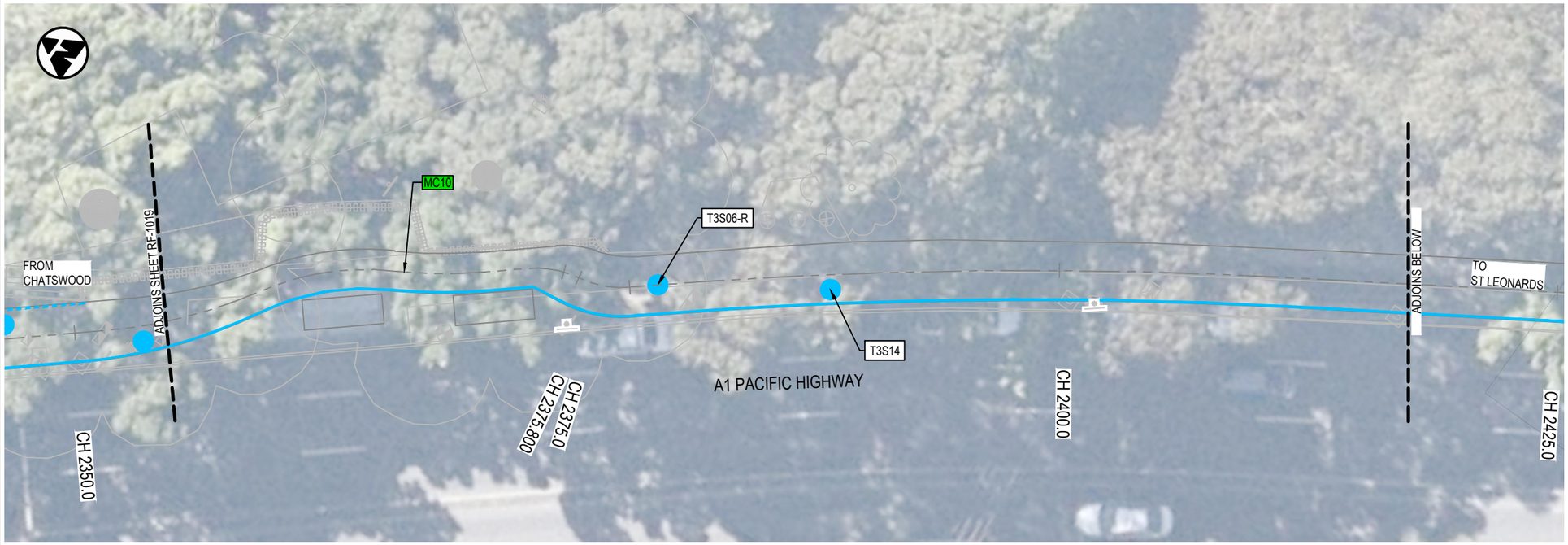
Title: SHARED PATH ROAD FURNITURE PLAN

Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
AHD	19 of 27	1:250m	A3

Drawing Number: 80221028-DRG-R1-RF-1019
Revision: 0

DATE PLOTTED: 28 May 2021 1:59 PM BY: JIREH GUEVARRA
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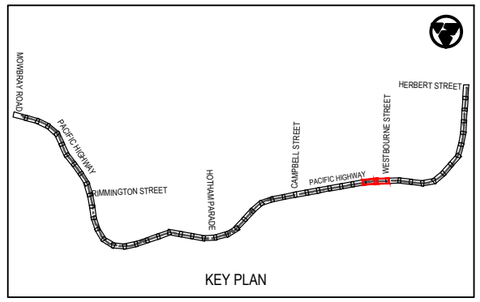
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- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP — DP — CADASTRAL BOUNDARY SURVEYED
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
- PAVEMENT MARKING
- T3S14 — PAVEMENT MARKING TAG

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO CITY OF SYDNEY PATHWAYS PAVEMENT MARKING GUIDELINES FOR LINEMARKING AND PAVEMENT MARKING DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

0 2.5 5 7.5 10
SCALE 1:250m

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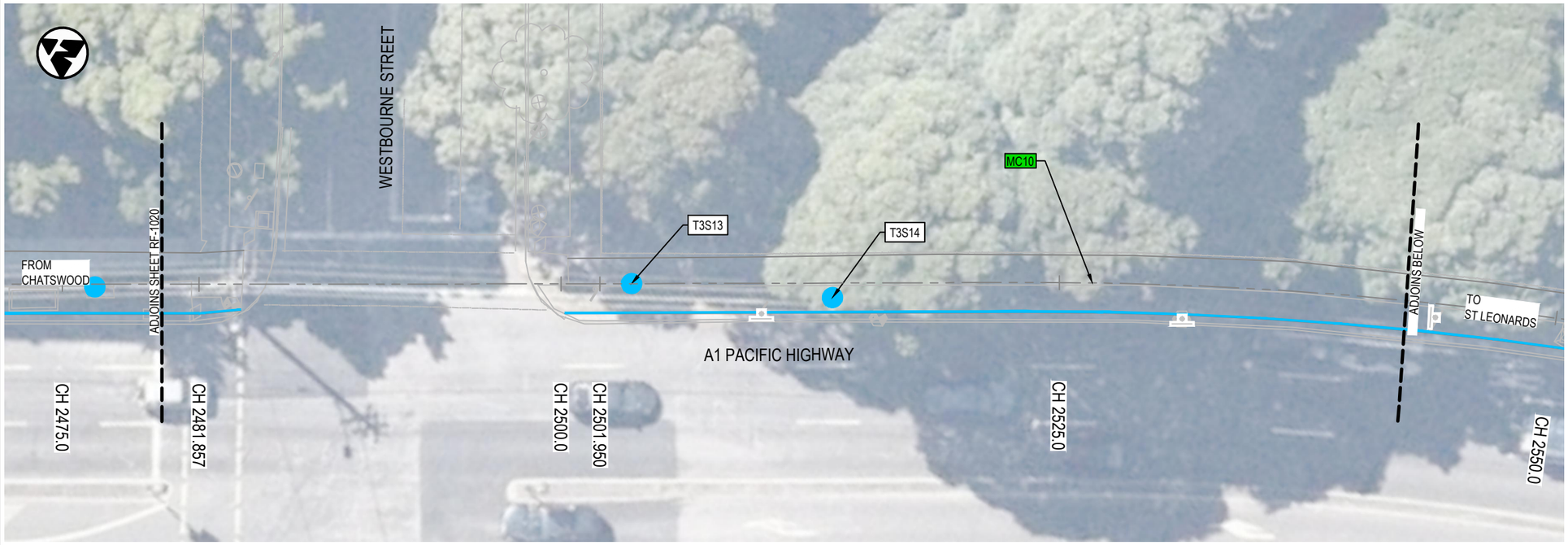
Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH ROAD FURNITURE PLAN

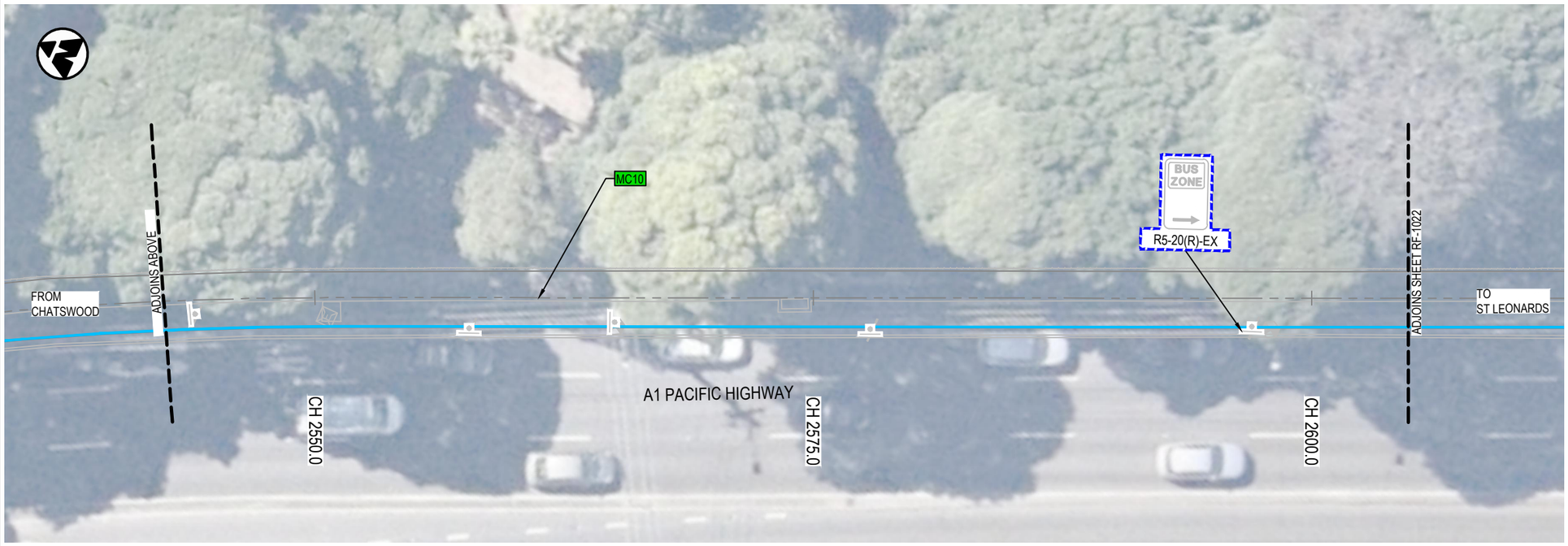
Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
AHD	20 of 27	1:250m	A3

Drawing Number: 80221028-DRG-R1-RF-1020
Revision: 0

DATE PLOTTED: 28 May 2021 1:59 PM BY: JIREH GUEVARRA





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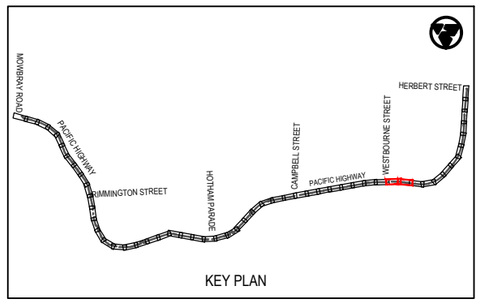
- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP — DP — CADASTRAL BOUNDARY SURVEYED
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
- PAVEMENT MARKING
- T3S14 — PAVEMENT MARKING TAG

NOTES:

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KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
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0 2.5 5 7.5 10
SCALE 1:250m

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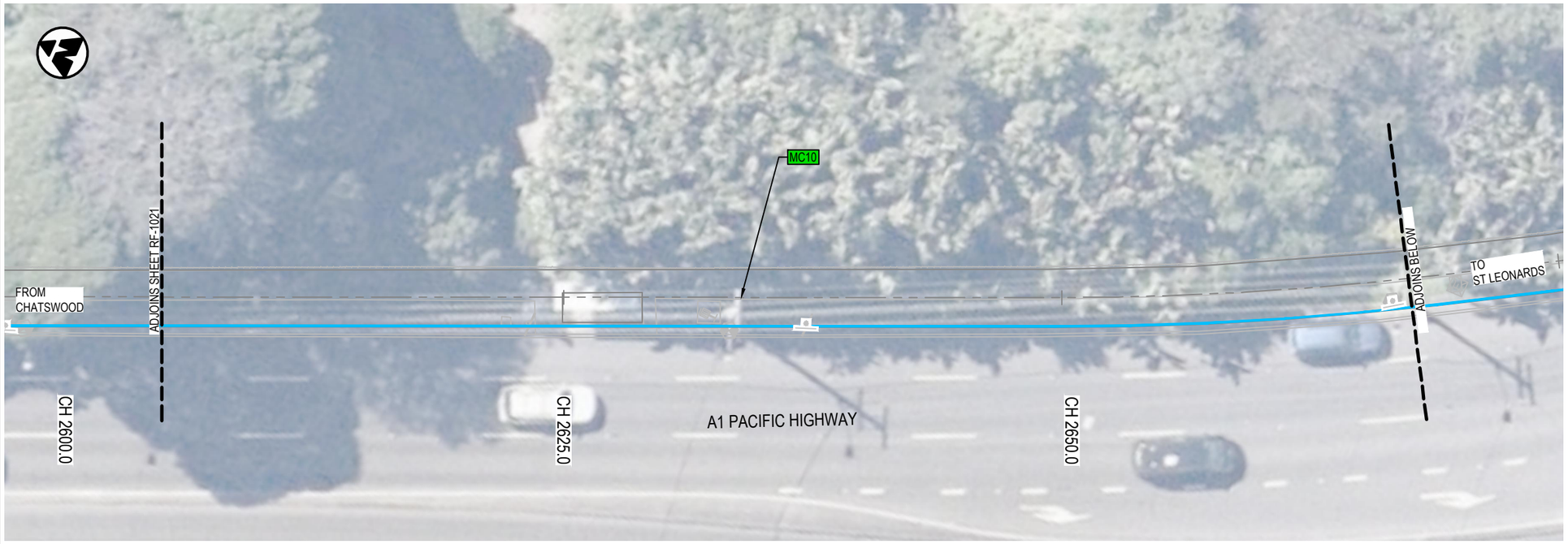
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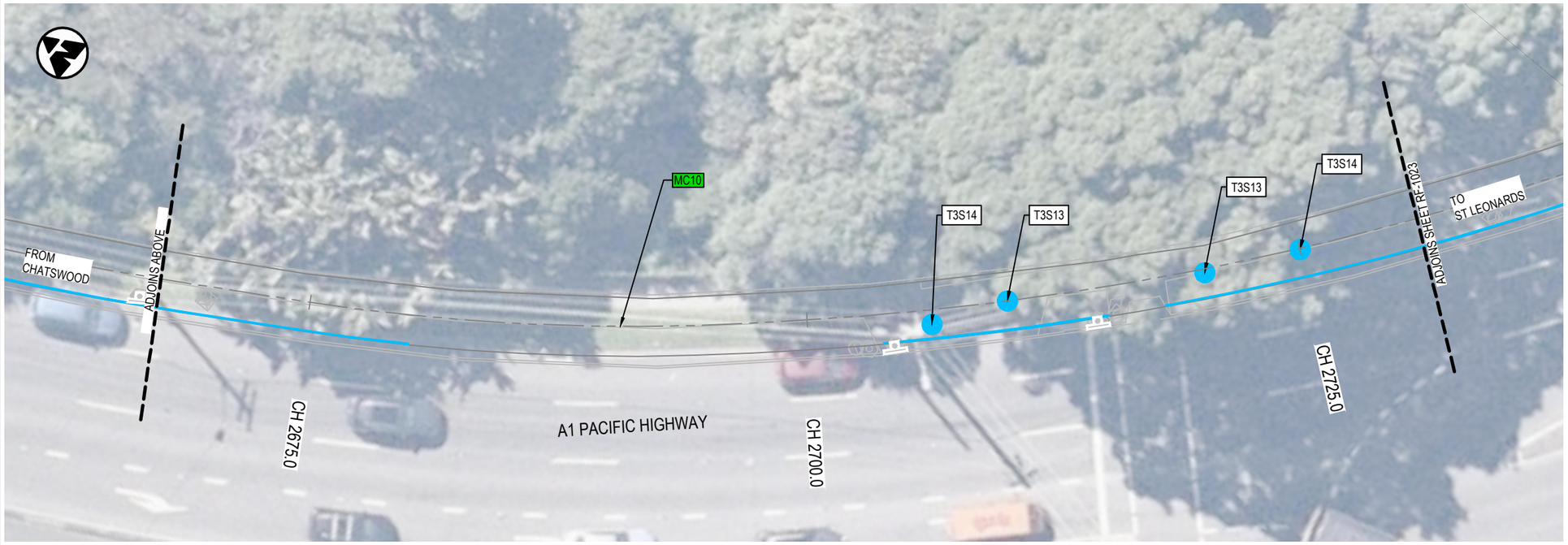
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Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH ROAD FURNITURE PLAN

Status: NOT FOR CONSTRUCTION
Datum: AHD | 21 of 27 | Scale: 1:250m | Size: A3
Drawing Number: 80221028-DRG-R1-RF-1021 | Revision: 0

XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RF; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-R1-RF-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-RF-DESN-LEGD; XRF-R1-RF-DESN-LEGD
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LEGEND

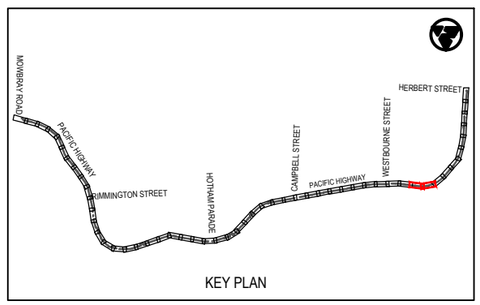
- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP—DP — CADASTRAL BOUNDARY SURVEYED
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
- PAVEMENT MARKING
- T3S14 — PAVEMENT MARKING TAG

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO CITY OF SYDNEY PATHWAYS PAVEMENT MARKING GUIDELINES FOR LINEMARKING AND PAVEMENT MARKING DETAILS.



KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

SCALE 1:250m

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Web: www.cardno.com.au

		Date
Drawn	J.GUEVARRA	28.05.21
Checked	K.SUTTON	28.05.21
Designed	D.BALL	28.05.21
Verified	J.HODSON	28.05.21
Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL

Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN

Title: SHARED PATH ROAD FURNITURE PLAN

Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
AHD	22 of 27	1:250m	A3

Drawing Number: 80221028-DRG-R1-RF-1022
Revision: 0

XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RF; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-R1-RF-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-RF-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-RF-DESN-KEYP-PLAN; XRF-R1-RD-DESN-KEYP-PLAN
CAD File: \\cardno.com\global\AU\NSW\Directory\Structure\Projects\802\FY21\028_Chatswood-St Leonards Cycleway\Drawings\Build\01_Drg\01_Route-1-PAC_HWY\80221028-DRG-R1-RF-1022.dwg
DATE PLOTTED: 28 May 2021 1:59 PM BY: : JIREH GUEVARRA

DATE PLOTTED: 28 May 2021 1:59 PM BY: JIREH GUEVARRA
XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RF; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-R1-RF-DESN-PLAN; XRF-R1-RD-DESN-PLAN; XRF-R1-RF-DESN-LEGD; XRF-R1-RF-DESN-LEGD; XRF-R1-RD-DESN-CTRL; XRF-R1-RF-DESN-CTRL
CAD File: \\cardno.corp\global\AU\NSW\Directory\Structure\Projects\802\PY21028_Chatswood-St Leonards Cycleway\Drawings\Build\01_Dgl\01_Route-1-PAC_HWY\80221028-DRG-R1-RF-1023.dwg





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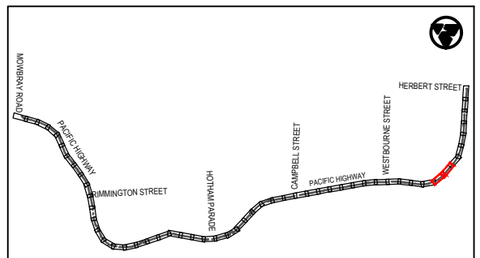
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- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP — DP — CADASTRAL BOUNDARY SURVEYED
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
- PAVEMENT MARKING
- T3S14 — PAVEMENT MARKING TAG

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
2. REFER TO CITY OF SYDNEY PATHWAYS PAVEMENT MARKING GUIDELINES FOR LINEMARKING AND PAVEMENT MARKING DETAILS.



KEY PLAN

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0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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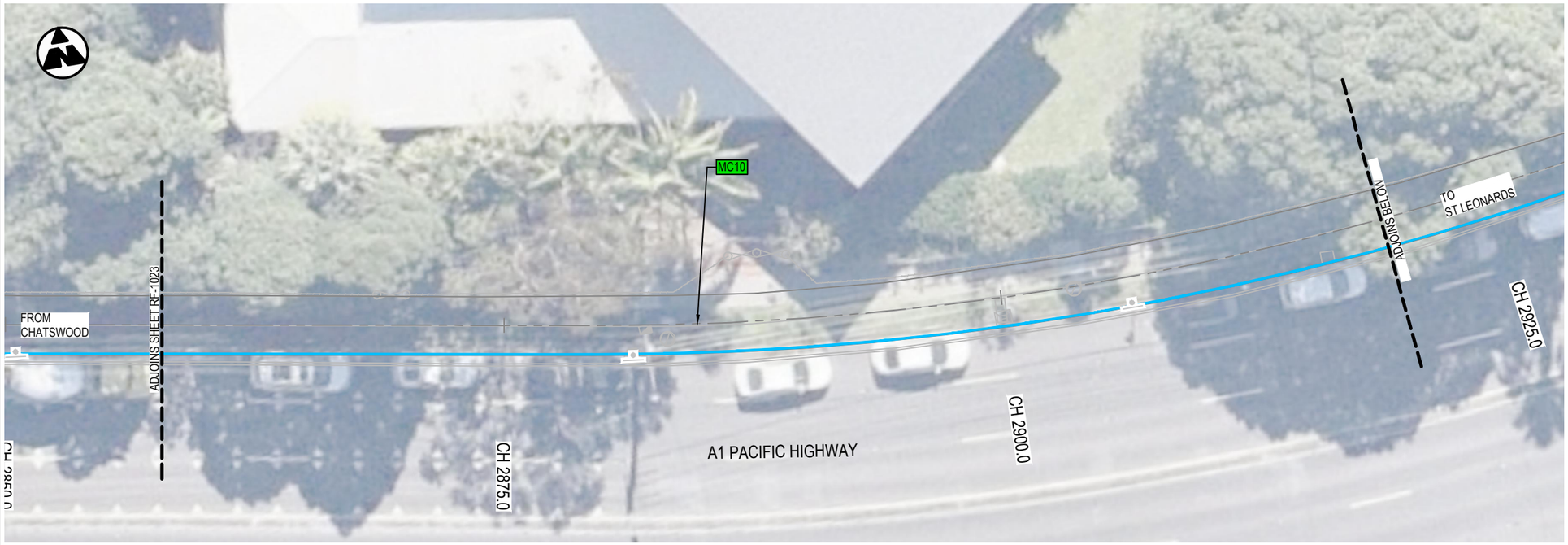
Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH ROAD FURNITURE PLAN

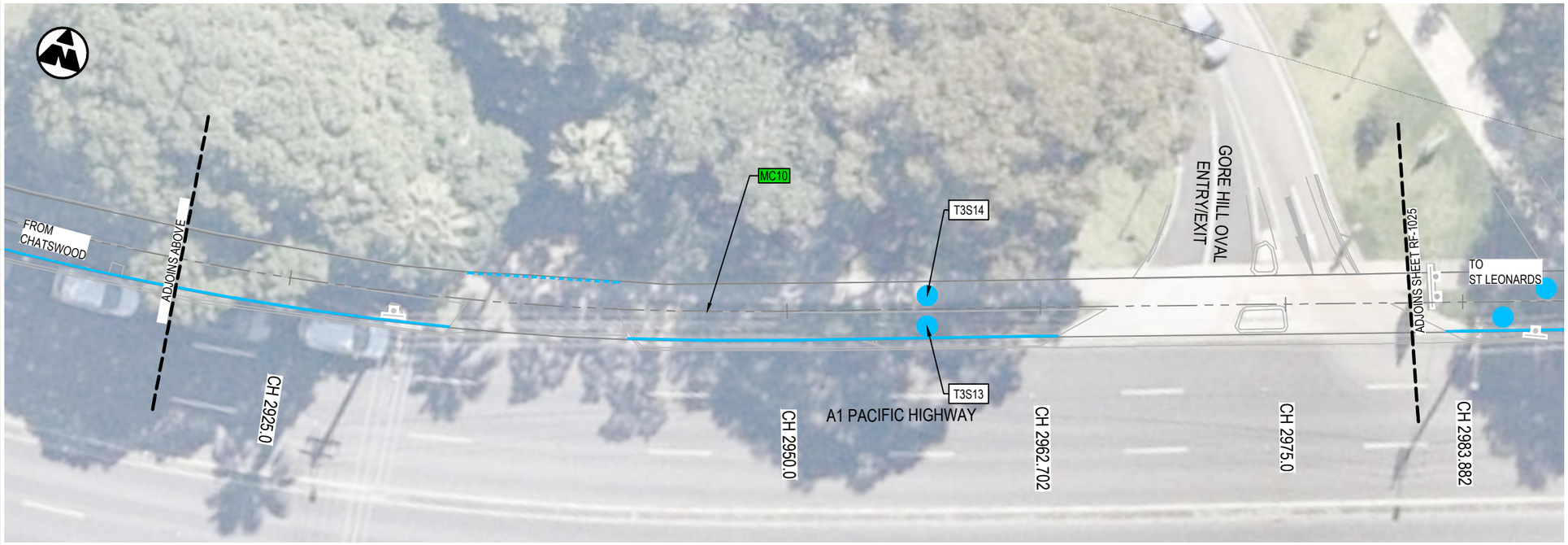
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Datum		Scale	Size
AHD	23 of 27	1:250m	A3

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Revision: 0

DATE PLOTTED: 28 May 2021 2:06 PM BY: JIREH GUEVARRA





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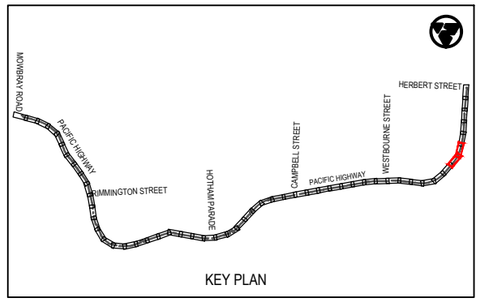
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- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP—DP — CADASTRAL BOUNDARY SURVEYED
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- EXISTING BRICK PAVING
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- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
- PAVEMENT MARKING
- T3S14 — PAVEMENT MARKING TAG

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KEY PLAN

Rev	Date	Description	Des.	Verif.	Appd.
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0 2.5 5 7.5 10
SCALE 1:250m

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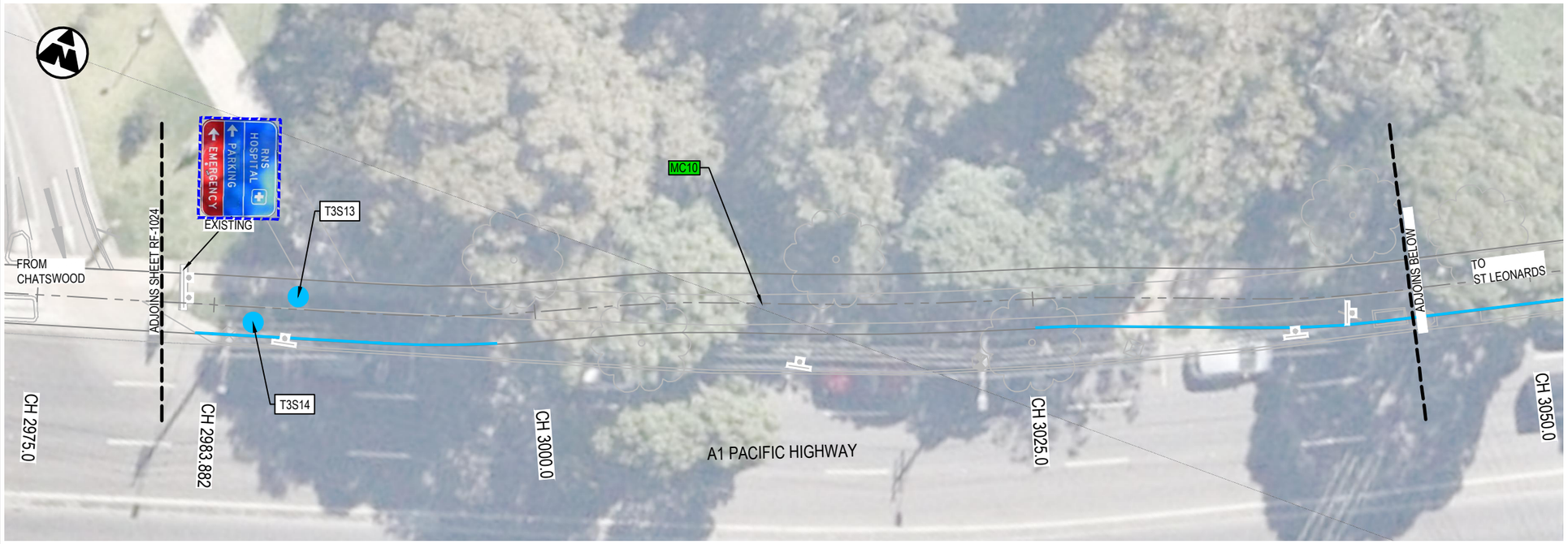
Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH ROAD FURNITURE PLAN

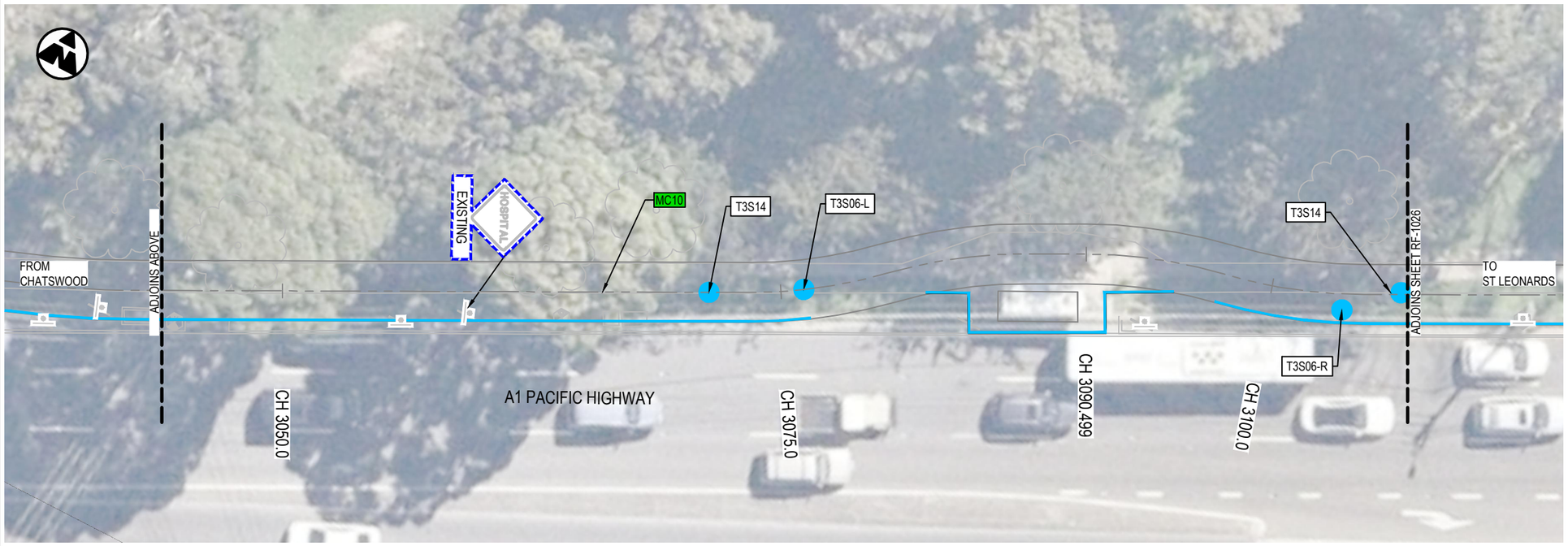
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Datum		Scale	Size
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Revision: 0

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CAD File: \\cardno.corp\global\AU\NSW\Directory\Structural\Projects\80221028_Chatswood-St Leonards Cycleway\Drawings\Build\01_Drg\01_Route-1-PAC_HWY\80221028-DRG-R1-RF-1024.dwg





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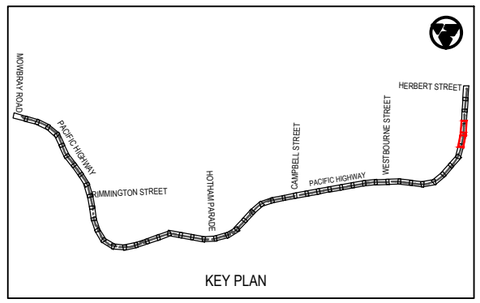
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- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP DP — CADASTRAL BOUNDARY SURVEYED
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
- PAVEMENT MARKING
- T3S14 — PAVEMENT MARKING TAG

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
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Rev	Date	Description	Des.	Verif.	Appd.
0	28.05.21	DRAFT DETAILED DESIGN	DB	JH	DA

0 2.5 5 7.5 10
SCALE 1:250m

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Approved	D.ATKINSON	28.05.21

Client: WILLOUGHBY CITY COUNCIL
Project: CHATSWOOD TO ST LEONARDS SHARED PATH
ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH ROAD FURNITURE PLAN

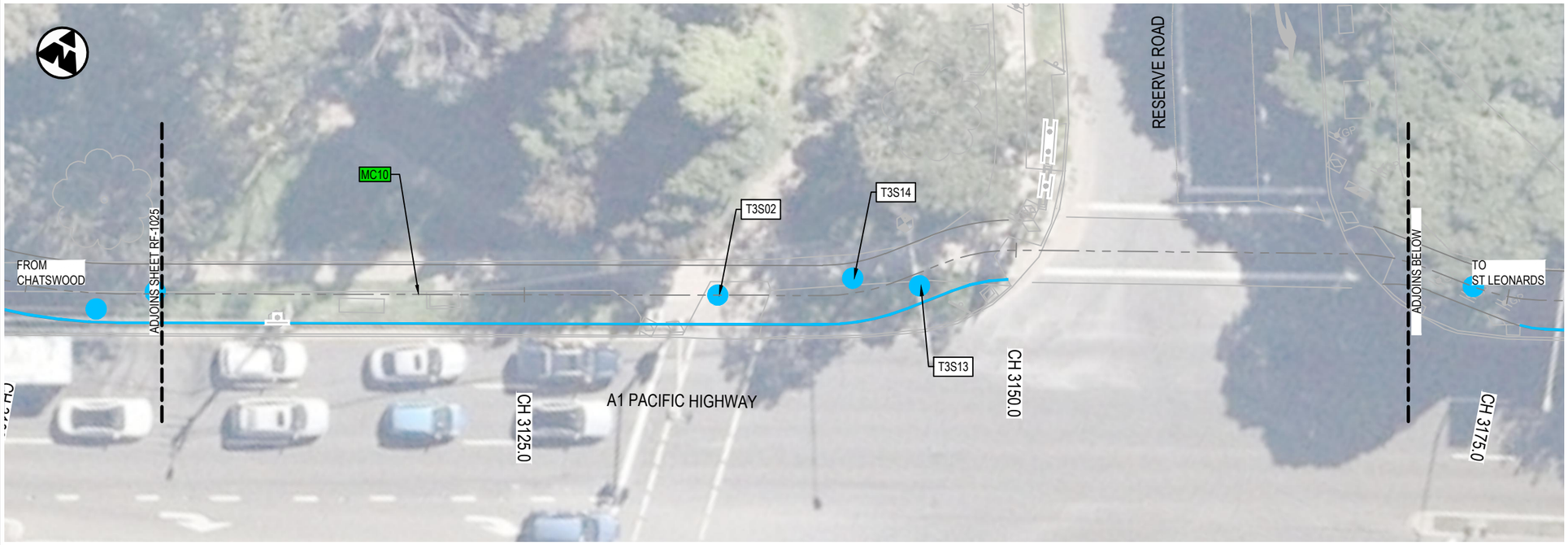
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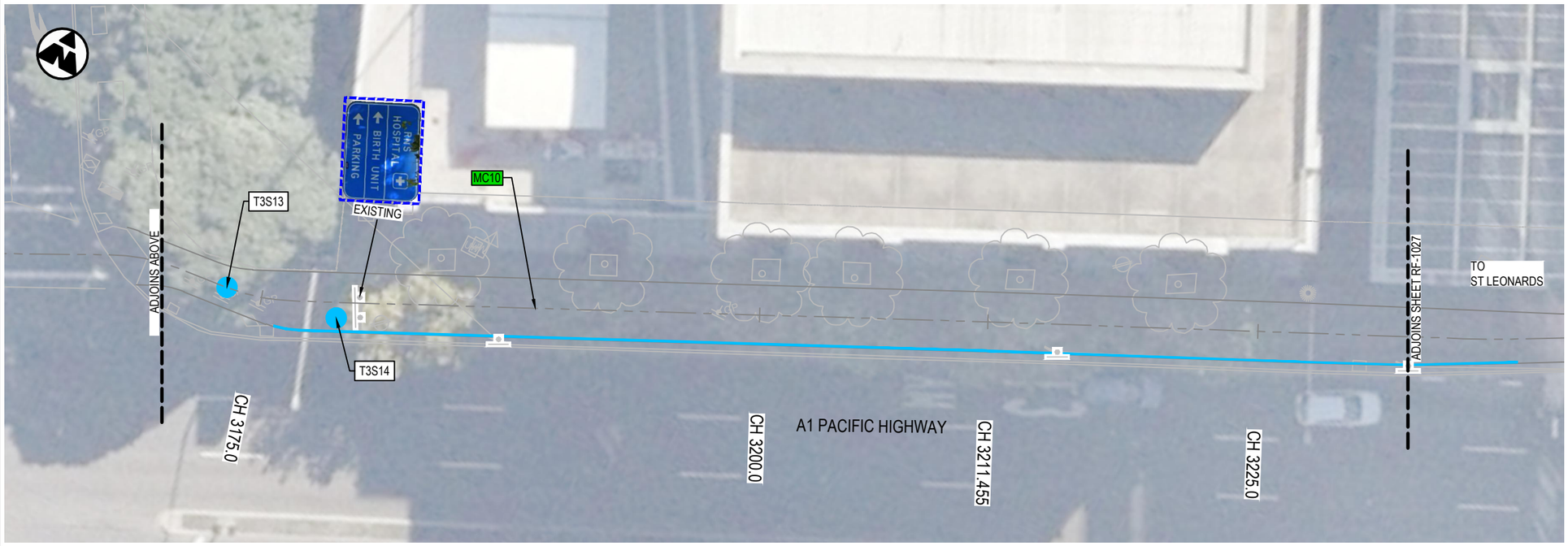
Datum		Scale	Size
AHD	25 of 27	1:250m	A3

Drawing Number: 80221028-DRG-R1-RF-1025
Revision: 0

DATE PLOTTED: 28 May 2021 2:00 PM BY : JIREH GUEVARRA
XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RF; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-R1-RF-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-RF-DESN-LEGD; XRF-R1-RF-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-RD-DESN-PLAN; XRF-R1-RF-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-RF-DESN-LEGD;
CAD File: \\cardno.com\global\AU\NSW\Directory\Structure\Projects\80\2FY21\028_Chatswood-St Leonards Cycleway\Drawings\Build\01_Dcg\01_Route-1-PAC_HWY\80221028-DRG-R1-RF-1025.dwg

DATE PLOTTED: 28 May 2021 2:00 PM BY: JIREH GUEVARRA





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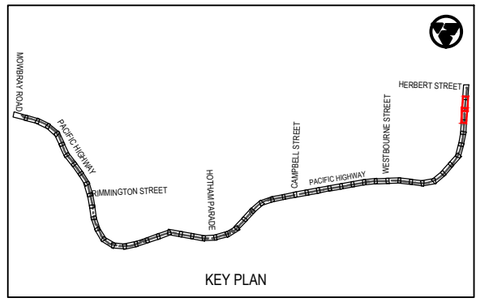
- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP — DP — CADASTRAL BOUNDARY SURVEYED
- EXISTING CONCRETE PATH
- EXISTING CONCRETE DRIVEWAY
- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
- PAVEMENT MARKING
- T3S14 — PAVEMENT MARKING TAG

NOTES:

1. REFER TO DRAWING No. GE-0021 FOR GENERAL NOTES.
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KEY PLAN

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SCALE 1:250m (0, 2.5, 5, 7.5, 10)

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ROUTE 1 - PACIFIC HIGHWAY
DRAFT DETAILED DESIGN
Title: SHARED PATH ROAD FURNITURE PLAN

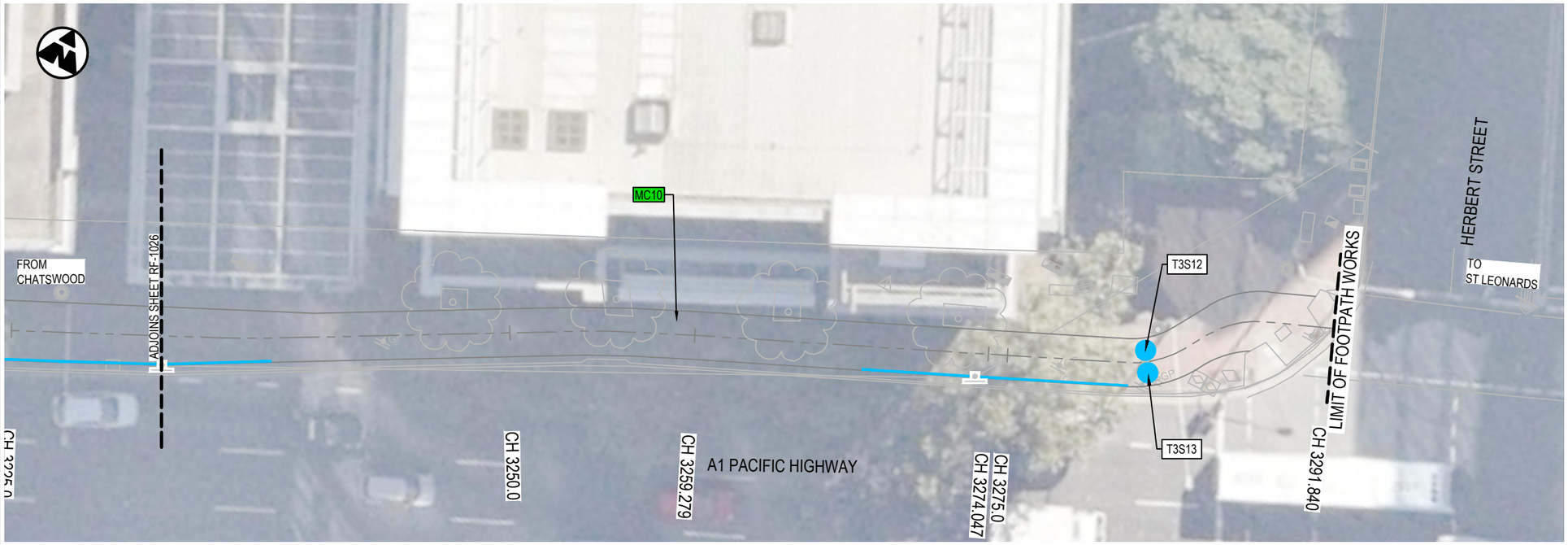
Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
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Drawing Number: 80221028-DRG-R1-RF-1026
Revision: 0

XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RF; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-R1-RF-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-RF-DESN-LEGD; XRF-R1-RF-DESN-CAD
CAD File: \\cardno.corp\global\AU\NSW\Directory\Structure\Projects\8822\FY21\028_Chatswood-St Leonards Cycleway\2D drawings\Build\01_Dgn\01_Route-1-PAC_HWY\80221028-DRG-R1-RF-1026.dwg

DATE PLOTTED: 28 May 2021 2:00 PM BY: JIREH GUEVARRA



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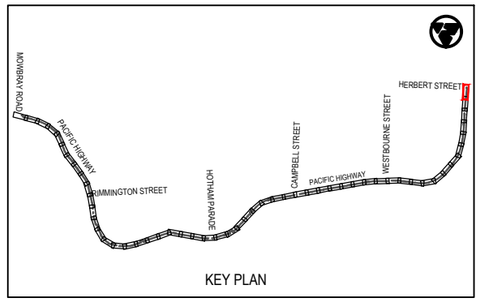
- DESIGN CONTROL LINE
- MC10 — CONTROL LINE TAG
- PROPOSED DESIGN
- PROJECT BOUNDARY
- DP — DP — CADASTRAL BOUNDARY SURVEYED
- EXISTING CONCRETE PATH
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- EXISTING BRICK PAVING
- PROPOSED PEDESTRIAN FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING CONCRETE BARRIER

SIGNAGE AND LINEMARKING

- PROPOSED SIGNPOST
- PROPOSED SIGN — R8-2
- EXISTING SIGNPOST
- EXISTING SIGN — R8-2
- EXISTING SIGN TO BE RELOCATED — R8-2
- PAVEMENT LINEMARKING - T1L01
- PAVEMENT LINEMARKING - T2C03
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KEY PLAN

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0 2.5 5 7.5 10
SCALE 1:250m

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Status: NOT FOR CONSTRUCTION

Datum		Scale	Size
AHD	27 of 27	1:250m	A3

Drawing Number: 80221028-DRG-R1-RF-1027
Revision: 0

XREFs: XRF-GN-A3-SHT-HALF; XRF-R1-BASE-RF; XRF-SU-AERIAL-IMG; XRF-R1-SU-SURV-MSTR; XRF-R1-RD-DESN-PLAN; XRF-R1-RF-DESN-PLAN; XRF-R1-RD-DESN-CTRL; XRF-R1-RF-DESN-LEGD; XRF-R1-GE-KEYP-PLAN; XRF-R1-GE-KEYP-PLAN; XRF-R1-RD-DESN-CAD
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