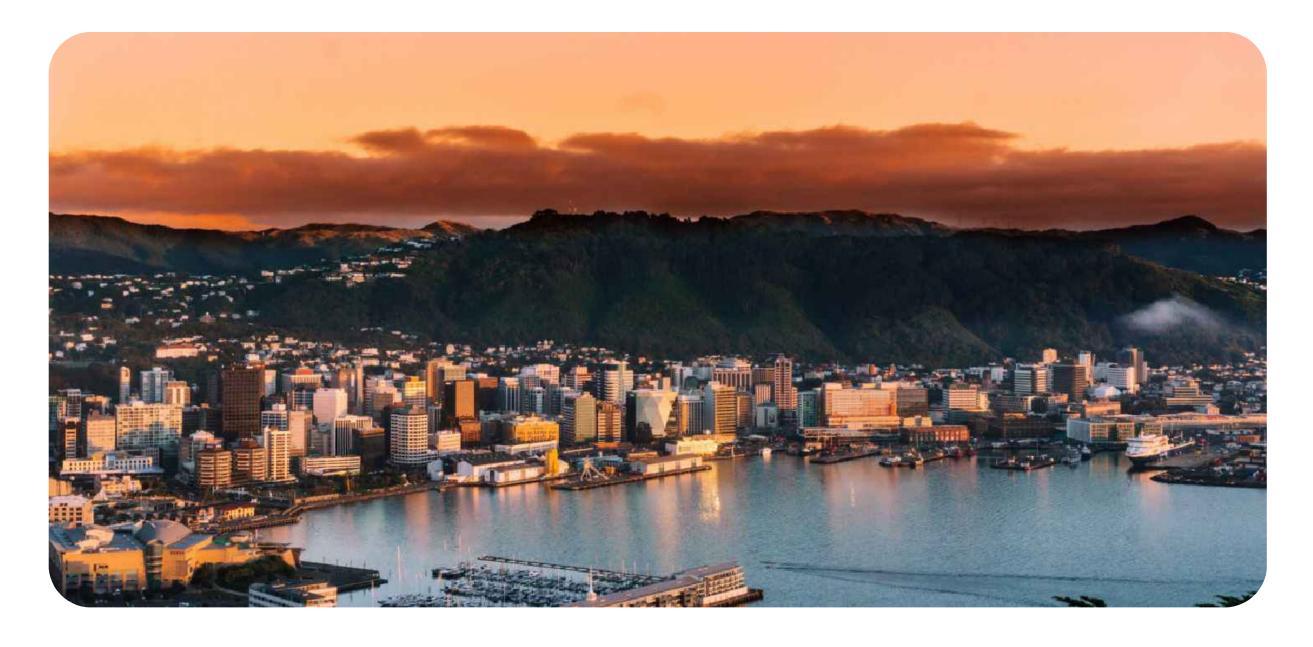
# TRANSITIONAL CYCLEWAYS



## BERHAMPORE TO NEWTOWN

ISSUE FOR CONSTRUCTION 06/03/2024

Absolutely Positively
Wellington City Council
Me Heke Ki Pöneke



#### TRANSITIONAL CYCLEWAY BERHAMPORE TO NEWTOWN TRANSITIONAL

DRAWING REV TITLE GENERAL - SCH-TC-BERNEW-DRG-TR-905000 C08 PROJECT COVERSHEET

→ SCH-TC-BERNEW-DRG-TR-905010 C09 DRAWING LIST & KEYPLAN → SCH-TC-BERNEW-DRG-TR-905011 C07 GENERAL NOTES & LEGEND - SHEET 1 → SCH-TC-BERNEW-DRG-TR-905012 GENERAL NOTES & LEGEND - SHEET 2 → SCH-TC-BERNEW-DRG-TR-905013 ROAD MARKING SPECIFICATIONS

C07 RIDDIFORD STREET - GENERAL ARRANGEMENT PLAN

ADELAIDE ROAD - SECTION COVERSHEET

C04 RIDDIFORD/ RINTOUL INTERSECTION (i=0730)

C02 ADELAIDE/ LUXFORD/ BRITOMART (i=0800)

ADELAIDE/ LUXFORD/ BRITOMART (i=0800)

C06 RINTOUL/ LUXFORD/ MILTON STREET INTERSECTION

C03 ADELAIDE ROAD/ LUXFORD STREET INTERSECTION

C02 BUS ISLAND - TYPICAL LAYOUT AND DETAILS - SHEET 1

C03 RAISED PEDESTRIAN CROSSING - TYPICAL LAYOUT AND DETAILS

C04 RINTOUL/ TE WHAREPOURL (i=0780)

RINTOUL STREET - GENERAL ARRANGEMENT PLAN - SHEET 1

RINTOUL STREET - GENERAL ARRANGEMENT PLAN - SHEET 5

LUXFORD STREET - GENERAL ARRANGEMENT PLAN - SHEET 2

COS RINTOUI STREET - GENERAL ARRANGEMENT PLAN - SHEET 2

C08 RINTOUL STREET - GENERAL ARRANGEMENT PLAN - SHEET 3

C08 RINTOUL STREET - GENERAL ARRANGEMENT PLAN - SHEET 4

C07 RINTOUL STREET - GENERAL ARRANGEMENT PLAN - SHEET 6

C08 LUXFORD STREET - GENERAL ARRANGEMENT PLAN - SHEET 1

C09 ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - SHEET 1 C07 ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - SHEET 2

C08 ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - SHEET 3

C08 ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - SHEET 5 C08 ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - SHEET 6

C08 ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - SHEET 7 ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - SHEET 8

ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - SHEET 4

RIDDIFORD/ RINTOUL/ LUXFORD STREET

ISSUE FOR CONSTRUCTION

→ SCH-TC-BERNEW-DRG-TR-905100 - SCH-TC-BERNEW-DRG-TR-905110 → SCH-TC-BERNEW-DRG-TR-905111 - SCH-TC-BERNEW-DRG-TR-905112 → SCH-TC-BERNEW-DRG-TR-905113 → SCH-TC-BERNEW-DRG-TR-905114 → SCH-TC-BERNEW-DRG-TR-905115

→ SCH-TC-BERNEW-DRG-TR-905116 → SCH-TC-BERNEW-DRG-TR-905117 → SCH-TC-BERNEW-DRG-TR-905118

ADELAIDE ROAD

→ SCH-TC-BERNEW-DRG-TR-905200 → SCH-TC-BERNEW-DRG-TR-905210 → SCH-TC-BERNEW-DRG-TR-905212 → SCH-TC-BERNEW-DRG-TR-905213 → SCH-TC-BERNEW-DRG-TR-905214

→ SCH-TC-BERNEW-DRG-TR-905216

SIGNAL LAYOUT PLAN

→ SCH-TC-BERNEW-DRG-TR-905300 → SCH-TC-BERNEW-DRG-TR-905301 → SCH-TC-BERNEW-DRG-TR-905302 → SCH-TC-BERNEW-DRG-TR-905303

DETAILED LAYOUT

→ SCH-TC-BERNEW-DRG-TR-905410 → SCH-TC-BERNEW-DRG-TR-905411

TYPICAL LAYOUT AND DETAILS

■ SCH-TC-BERNEW-DRG-TR-905900

→ SCH-TC-BERNEW-DRG-TR-905901

**GENERAL DETAILS** 

→ SCH-TC-BERNEW-DRG-TR-905910 → SCH-TC-BERNEW-DRG-TR-905911 C02 GENERAL DETAILS - SHEET 1
C02 GENERAL DETAILS - SHEET 2 → SCH-TC-BERNEW-DRG-TR-905912 CO2 GENERAL DETAILS - SHEET 3 → SCH-TC-BERNEW-DRG-TR-905914 GENERAL DETAILS - SHEET 5

SERVICE PLAN

→ SCH-TC-BERNEW-DRG-TR-905920 C03 BUS STOP 6120 - BUS PLATFORM → SCH-TC-BERNEW-DRG-TR-905921 C03 ARVIDA VILLAGE - RAISED CROSSING

→ SCH-TC-BERNEW-DRG-TR-905922 C03 SWIS RAISED CROSSING

CO3 RINTOUL STREET AND LUXFORD STREET INTERSECTION
CO3 LUXFORD STREET AND BRITOMART - KERB BUILD OUT AND RAISED TABLE → SCH-TC-BERNEW-DRG-TR-905924

→ SCH-TC-BERNEW-DRG-TR-905925 → SCH-TC-BERNEW-DRG-TR-905926 CO3 CHILKA STREET - RAISED CROSSING
CO3 DUPPA STREET - RAISED CROSSING AND BUS PLATFORM → SCH-TC-BERNEW-DRG-TR-905927 C03 ISLAND BAY UNITED AFC - RAISED CROSSING

REV TITLE

RIDDIFORD/ RINTOUL/ LUXFORD STREET - LINEWORK AND SIGNS ONLY

→ SCH-TC-BERNEW-DRG-TR-905160 C07 RIDDIFORD STREET - GENERAL ARRANGEMENT PLAN - LINEWORK AND SIGNS → SCH-TC-BERNEW-DRG-TR-905161 C07 RINTOUL STREET - GENERAL ARRANGEMENT PLAN - LINEWORK AND SIGNS - SHEET C08 RINTOUL STREET - GENERAL ARRANGEMENT PLAN - LINEWORK AND SIGNS - SHEET 2 → SCH-TC-BERNEW-DRG-TR-905162 → SCH-TC-BERNEW-DRG-TR-905163 RINTOUL STREET - GENERAL ARRANGEMENT PLAN - LINEWORK AND SIGNS - SHEET 3 - SCH-TC-BERNEW-DRG-TR-905164 C08 RINTOUL STREET - GENERAL ARRANGEMENT PLAN - LINEWORK AND SIGNS - SHEET 4 RINTOUL STREET - GENERAL ARRANGEMENT PLAN - LINEWORK AND SIGNS - SHEET 5 → SCH-TC-BERNEW-DRG-TR-905166 C07 RINTOUL STREET - GENERAL ARRANGEMENT PLAN - LINEWORK AND SIGNS - SHEET 6 C08 LUXFORD STREET - GENERAL ARRANGEMENT PLAN - LINEWORK AND SIGNS - SHEET 1 → SCH-TC-BERNEW-DRG-TR-905167 → SCH-TC-BERNEW-DRG-TR-905168 C08 LUXFORD STREET - GENERAL ARRANGEMENT PLAN - LINEWORK AND SIGNS - SHEET 2

RIDDIFORD/ RINTOUL/ LUXFORD STREET - CIVIL WORK ONLY

CO7 RIDDIFORD STREET - GENERAL ARRANGEMENT PLAN - CIVIL WORK
CO7 RINTOUL STREET - GENERAL ARRANGEMENT PLAN - CIVIL WORK - SHEET 1 → SCH-TC-BERNEW-DRG-TR-905180 → SCH-TC-BERNEW-DRG-TR-905181 → SCH-TC-BERNEW-DRG-TR-905182 C08 RINTOUL STREET - GENERAL ARRANGEMENT PLAN - CIVIL WORK - SHEET 2 → SCH-TC-BERNEW-DRG-TR-905183 C08 RINTOUL STREET - GENERAL ARRANGEMENT PLAN - CIVIL WORK - SHEET 3 → SCH-TC-BERNEW-DRG-TR-905184 RINTOUL STREET - GENERAL ARRANGEMENT PLAN - CIVIL WORK - SHEET 4 → SCH-TC-BERNEW-DRG-TR-905185 C07 RINTOUL STREET - GENERAL ARRANGEMENT PLAN - CIVIL WORK - SHEET 5 C07 RINTOUL STREET - GENERAL ARRANGEMENT PLAN - CIVIL WORK - SHEET 6 → SCH-TC-BERNEW-DRG-TR-905186 → SCH-TC-BERNEW-DRG-TR-905187 C08 LUXFORD STREET - GENERAL ARRANGEMENT PLAN - CIVIL WORK - SHEET 1

ADELAIDE ROAD - LINEWORK AND SIGNS ONLY

→ SCH-TC-BERNEW-DRG-TR-905188

C09 ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - LINEWORK AND SIGNS - SHEET - SCH-TC-BERNEW-DRG-TR-905260 → SCH-TC-BERNEW-DRG-TR-905261 ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - LINEWORK AND SIGNS - SHEET 2 → SCH-TC-BERNEW-DRG-TR-905262 C08 ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - LINEWORK AND SIGNS - SHEET 3 C08 ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - LINEWORK AND SIGNS - SHEET 4 → SCH-TC-BERNEW-DRG-TR-905264 C08 ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - LINEWORK AND SIGNS - SHEET 5 C08 ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - LINEWORK AND SIGNS - SHEET 6 → SCH-TC-BERNEW-DRG-TR-905265 → SCH-TC-BERNEW-DRG-TR-905266 C08 ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - LINEWORK AND SIGNS - SHEET 7 → SCH-TC-BERNEW-DRG-TR-905267 ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - LINEWORK AND SIGNS - SHEET 8

C08 LUXFORD STREET - GENERAL ARRANGEMENT PLAN - CIVIL WORK - SHEET 2

ADELAIDE ROAD - CIVIL WORK ONLY

→ SCH-TC-BERNEW-DRG-TR-905280 C09 ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - CIVIL WORK - SHEET 1 → SCH-TC-BERNEW-DRG-TR-905281 ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - CIVIL WORK - SHEET 2 → SCH-TC-BERNEW-DRG-TR-905282 C08 ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - CIVIL WORK - SHEET 3 → SCH-TC-BERNEW-DRG-TR-905283 ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - CIVIL WORK - SHEET 4 → SCH-TC-BERNEW-DRG-TR-905284 C08 ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - CIVIL WORK - SHEET 5 → SCH-TC-BERNEW-DRG-TR-905285 ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - CIVIL WORK - SHEET 6 - SCH-TC-BERNEW-DRG-TR-905286 C08 ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - CIVIL WORK - SHEET 7 → SCH-TC-BERNEW-DRG-TR-905287 ADELAIDE ROAD - GENERAL ARRANGEMENT PLAN - CIVIL WORK - SHEET 8

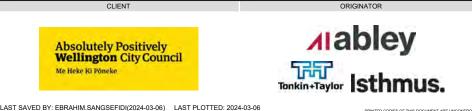
DETAILED LAYOUT - LINEWORK AND SIGNS ONLY

→ SCH-TC-BERNEW-DRG-TR-905460 C06 RINTOUL/ LUXFORD/ MILTON STREET INTERSECTION - LINEWORK AND SIGNS → SCH-TC-BERNEW-DRG-TR-905461 C03 ADELAIDE ROAD/ LUXFORD STREET INTERSECTION - LINEWORK AND SIGNS

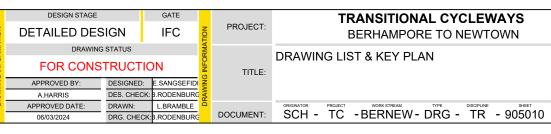
DETAILED LAYOUT - CIVIL WORK ONLY

→ SCH-TC-BERNEW-DRG-TR-905480 C06 RINTOUL/ LUXFORD/ MILTON STREET INTERSECTION - CIVIL WORK → SCH-TC-BERNEW-DRG-TR-905481 C03 ADELAIDE ROAD/ LUXFORD STREET INTERSECTION - CIVIL WORK

**PROJECT OVERVIEW PLAN** SCALE 1:5000



REVISIONS	C04	TRAFFIC RESOLUTION ISSUE	C.LI E	.RODENBUR	528/07/2023		
	C05	TRAFFIC RESOLUTION ISSUE UPDATE	C.LI	B.RODENBURG	11/08/2023	z	
	C06	ISSUE FOR CONSTRUCTION	.SANGSEFID	IB.RODENBURG	01/12/2023	2	
	C07	ISSUE FOR CONSTRUCTION	.SANGSEFID	IB.RODENBURG	15/12/2023	SMA	
	C08	ISSUE FOR CONSTRUCTION UPDATE	E.SANGSEFIDI	B.RODENBURG	09/02/2024	P.	
	C09	ISSUE FOR CONSTRUCTION UPDATE	E.SANGSEFIDI	A.HARRIS	06/03/2024	<u>Z</u>	
	REV.	DESCRIPTION	DRAWN BY	APRVD. BY	DATE	N.	
ш		0 125 250		DRAWING SCALE @ A1			
SCALE		m 1:5000 (A1) 1:10000 (A3)		1:5000		2	



#### **GENERAL NOTES**

- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- AERIAL PHOTO SOURCED FROM LINZ DATA SERVICE <a href="https://data.linz.govt.nz/layer/105744-wellington-city-0075m-urban-aerial-photos-2021/">https://data.linz.govt.nz/layer/105744-wellington-city-0075m-urban-aerial-photos-2021/</a>> LICENSED BY LINZ FOR RE-USE UNDER THE CREATIVE COMMONS ATTRIBUTION 4.0 NEW ZEALAND LICENCE (CC BY 4.0). ACCESSED 13/05/2022.
- CONTOURS SOURCED FROM WELLINGTON CITY COUNCIL
- <a href="https://data-wcc.opendata.arcgis.com/datasets/WCC::wellington-cc-5m-contours-2017/">https://data-wcc.opendata.arcgis.com/datasets/WCC::wellington-cc-5m-contours-2017/</a>, ACCESSED 11/05/2022.
- PROPERTY BOUNDARIES SOURCED FROM LINZ DATA SERVICE <a href="https://data.linz.govt.nz/layer/51571-nz-parcels/">https://data.linz.govt.nz/layer/51571-nz-parcels/</a>, LICENSED BY LINZ FOR RE-USE UNDER THE CREATIVE COMMONS ATTRIBUTION 4.0 NEW ZEALAND LICENCE (CC BY 4.0). ACCESSED 13/05/2022.
- WATER SERVICES SOURCED FROM WELLINGTON WATERS
- <a href="https://data-wellingtonwater.opendata.arcgis.com/maps/d70eead642bf49e393a3b199f0c63e8c/about">https://data-wellingtonwater.opendata.arcgis.com/maps/d70eead642bf49e393a3b199f0c63e8c/about</a>, ACCESSED 11/05/2022.
- COORDINATE DATUM: NZGD2000, WELLINGTON CIRCUIT COORDINATES. LEVEL DATUM: LINZ (MSL) WELLINGTON VERTICAL DATUM 1953.
- EXISTING KERB LINE SOURCED FROM WELLINGTON CITY COUNCIL
- <a href="https://data-wcc.opendata.arcgis.com/datasets/WCC::wcc-kerbs/">https://data-wcc.opendata.arcgis.com/datasets/WCC::wcc-kerbs/</a>, ACCESSED 11/05/2022.
- EXISTING KERB LINE UPDATED LOCALLY AS PER AERIAL IMAGE.
- ALL NOTES SHOWN HEREIN SHALL FORM PART OF THE CONTRACT.
- ALL NOTES SHALL BE READ IN CONJUNCTION WITH THE CONTRACT DOCUMENTS AND DESIGN DRAWINGS.
- ALL WORKS SHALL BE CONSTRUCTED AS DETAILED IN THE DESIGN DRAWINGS AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT SPECIFICATIONS.
- CONTRACTOR SHALL LIAISE WITH SERVICE AUTHORITIES TO CONFIRM THE LOCATION OF SERVICES PRIOR TO ANY CONSTRUCTION
  WORK. CONTRACTOR SHALL COMPLETE POTHOLING TO CONFIRM LOCATIONS OF SERVICES PRIOR TO INSTALLING STORMWATER
  ELEMENTS.
- THE CONTRACTOR MUST CHECK ALL DESIGN DRAWINGS AND IDENTIFY ANY INCONSISTENCIES BETWEEN THE DESIGN DRAWINGS
  AND AGAINST THE CONTRACT'S SPECIFICATIONS, BASIS OF PAYMENTS AND SCHEDULE OF PRICES IN ADVANCE AND PRIOR TO ANY
  CONSTRUCTION WORKS. THE CONTRACTOR MUST NOTIFY THE ENGINEER IF THERE ARE ANY INCONSISTENCIES OR
  DISCREPANCIES.
- ALL CROSS REFERENCES TO STANDARD ENGINEERING DETAIL DRAWINGS AND WAKA KOTAHI NZTA MANUALS AND SPECIFICATIONS SHALL BE TO THE LATEST REVISION.
- THE DESIGN DRAWINGS SHOW THE GENERAL LAYOUT AND INTENT OF THE DESIGN. SPECIFIC DETAILS SUCH AS PAVEMENT TIE INS, KERB RAMP DIMENSIONS AND SIGN FIXINGS ARE TO BE ASSESSED BY THE CONTRACTOR DURING INSTALLATION.
- PEDESTRIAN CROSSING POINTS, OR WHERE VISIBILITY IS OBSTRUCTED BY OTHER FEATURES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUITABLY LOCATE SIGNS ON SITE WITHIN THE APPROXIMATE LOCATION SHOWN ON THE DRAWINGS.

COMMON SENSE SHALL BE APPLIED WHEN LOCATING SIGN POLES, FOR EXAMPLE NOT IN THE MIDDLE OF FOOTPATHS, IN LINE WITH

- THE PROPOSED PAVEMENT MARKINGS SHALL BE SET OUT IN ACCORDANCE WITH THE DRAWINGS WITH MINOR MODIFICATIONS AS NECESSARY TO MAKE THE 'LINES' SELF-EXPLAINING AND IN CONTEXT WITH THE GEOMETRY AND LANE FEATURES.
- WORK SHALL COMPLY WITH THE GENERAL REQUIREMENTS OF THE RELEVANT WAKA KOTAHI AND WCC STANDARDS. THESE INCLUDE:
- •• WELLINGTON CITY COUNCIL CODE OF PRACTICE FOR LAND DEVELOPMENT (WCC COP-LD, 2012)
- •• WAKA KOTAHI | NZ TRANSPORT AGENCY LAND TRANSPORT RULE: TRAFFIC CONTROL DEVICES 2004 WITH AMENDMENTS (TCD RULE, 2004)
- •• WAKA KOTÁHI | NZ TRANSPORT AGENCY TRAFFIC CONTROL DEVICES MANUAL (TCD MANUAL)
- WAKA KOTAHI NZ TRANSPORT AGENCY MANUAL OF TRAFFIC SIGNS AND MARKINGS (MOTSAM)
- •• WELLINGTON WATER REGIONAL STANDARD FOR WATER SERVICES
- WELLINGTON WATER REGIONAL SPECIFICATION FOR WATER SERVICES

#### SETTING OUT

- THE CONTRACTOR SHALL CHECK ALL DRAWINGS AND VERIFY LEVELS/DIMENSIONS/SET-OUTS PRIOR TO COMMENCEMENT OF WORK AND REPORT DISCREPANCIES, IF ANY, IMMEDIATELY TO THE ENGINEER.
- THE CONTRACTOR SHALL TAKE ALL STEPS TO INVOLVE THE ENGINEER TO VERIFY THE LEVELS/DIMENSIONS/SET-OUTS ON SITE.
- ALL MEASUREMENTS ARE TAKEN FROM THE KERB FACE AND NOT THE EDGE OF CHANNEL UNLESS STATED OTHERWISE.
- ALL LEVELS/DIMENSIONS/SET-OUTS ARE IN METRES UNLESS STATED OTHERWISE.

#### ROADING, FOOTPATH, DRAINAGE KERB AND CHANNELS AND ISLANDS

- ENGINEER TO ASSESS ALL CARRIAGEWAY REINSTATEMENT WORK TO CONFIRM SUITABILITY OF EXISTING MATERIAL PRIOR TO ANY REINSTATEMENT WORK. THE CONTRACTOR SHALL ALLOW IN THEIR RATES FOR THE APPROPRIATE TESTING TO CONFORM TO THE SPECIFICATIONS.
- ALL CARRIAGEWAY REINSTATEMENT TO MATCH EXISTING ADJACENT PAVEMENT
- ALL KERBING, FOOTPATH, BERM AND TRAFFIC ISLANDS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST WCC CODE OF PRACTICE FOR LAND DEVELOPMENT AND STANDARD ENGINEERING DETAIL DRAWINGS.
- STANDARD KERB AND CHANNELS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH WCC CODE OF PRACTICE FOR LAND DEVELOPMENT DRAWING R-22-700 UNLESS OTHERWISE SPECIFIED.
- BUS KERB ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD DETAIL DRAWING
- SUBSOIL DRAINAGE TO BE CONSTRUCTED IN ACCORDANCE WITH WCC CODE OF PRACTICE FOR LAND DEVELOPMENT DRAWING R-39-749 UNDER ALL NEW CHANNEL CONSTRUCTION
- ALL NEW FOOTPATH CONSTRUCTION MUST INCLUDE BUT NOT LIMIT TO STITCHING BARS AROUND MANHOLE CHAMBERS, VALVES, HYDRANTS AND LIGHTPOLES TO PREVENT CRACKING AT RE-ENTRANT CORNERS.
- ALL FOOTPATH EDGES MUST BE CONSTRUCTED WITH SMOOTH TRANSITION AND FLUSH WITH THE ADJACENT GROUND LEVEL TO
  AVOID TRIP HAZARDS TO PEDESTRIANS.
- DISTURBED BERM ADJACENT TO NEWLY CONSTRUCTED FOOTPATH OR KERBS SHALL BE REINSTATED WITH COMPACTED SOIL AND GRASS, LEVEL WITH THE NEW FOOTPATH LEVEL.
- LANDSCAPING SLOPES SHOULD NOT EXCEED 20% (1:5) TO AVOID LANDSLIDES AND ENSURE SAFETY WHEN MOWING

- ALL JOINTS BETWEEN THE CONTRACT WORK AND EXISTING MUST BE SAW CUT NEATLY. SAWCUTTING SHALL GENERALLY BE SQUARE AND/OR PARALLEL TO THE KERB ALIGNMENT AND/OR CARRIAGEWAY. DRY CUTTING IS NOT PERMITTED. ALL JOINTS ACROSS CARRIAGEWAY MUST BE SEALED WITH A BITUMASTIC COMPOUND OR SIMILAR WHICH IS PRIOR APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL UNDERTAKE LEVEL SURVEY ON ALL FOOTPATH AND DRAINAGE CHANNEL TO ENSURE THAT NO PONDING
  WILL OCCUR. WORK MAY BE REQUIRED TO EXTEND BEYOND THE LIMITS SHOWN IN THE DESIGN DRAWINGS WITH THE ENGINEER'S
  APPROVAL.
- WARNING TACTILE PAVERS SHALL BE SET PERPENDICULAR TO THE DIRECTION OF CROSSING AND WITHIN THE PRAM CROSSING.
   STAGGERED ARRANGEMENT IS GENERALLY NOT PERMITTED UNLESS SPECIFIED OTHERWISE BY THE ENGINEER. DIRECTIONAL TACTILE PAVERS ARE ONLY REQUIRED WHERE SHOWN ON THE DRAWINGS.
- ALL NEW CATCH PIT TO CONSIST OF SAFETY SPRING LATCHED CLASS D TO AS3996 GRATE WEIGHT MINIMUM 62.5kg. ALL NEW OR REPLACED SUMPS SHALL HAVE CYCLE FRIENDLY SUMP TOPS
- SEPARATORS SHALL BE WHITE VANGUARD CYCLE SEPARATOR WITH VERTICAL BOLLARDS AT EACH END TYPICAL SPACING OF 4m SEPARATOR, 4m GAP. GAP SHOULD BE VARIED IF REQUIRED TO ADJUST AROUND ADJACENT ACCESS POINTS. AS MARKED ON THE DRAWINGS THE POSTS FOR THE FIRST 25m OF ANY SECTION OF SEPARATED CYCLEWAY SHALL BE WHITE. THE REMAINING SEPARATOR POSTS NOT SHOWN AS WHITE SHALL BE BLACK.
- SEPARATORS BETWEEN PARKING AND CYCLE LANE SHALL BE FIBRE REINFORCED CONCRETE CONSTRUCTED IN ACCORDANCE WITH THE KERB AND CHANNEL SPECIFICATIONS IN SECTION C.2.4 OF THE WCC COP-LD.

#### **ROADMARKINGS AND SIGNS**

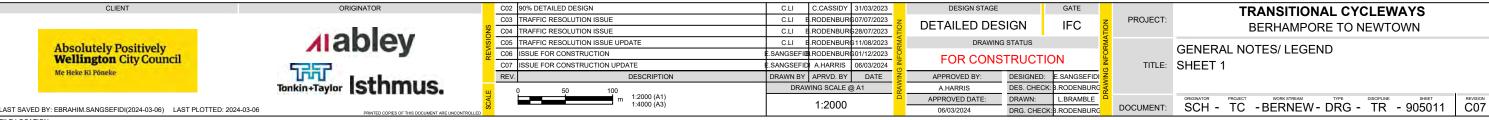
- ALL ROAD MARKING AND SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH MANUAL OF TRAFFIC SIGNS AND MARKINGS (MOTSAM), TRAFFIC CONTROL DEVICES (TCD) MANUAL, STANDARD DETAIL DRAWINGS AND OTHER RELEVANT STANDARDS.
- ALL ROADMARKINGS TO BE LAID IN TWO COATS WITHIN A MONTH OF EACH OTHER. ALL FIRST COAT MARKINGS SHALL BE OF REFLECTORISED PAVEMENT MARKINGS.
- ALL SECOND COAT FLUSH MEDIAN BARS, PARKING RESTRICTION LINES AND SPEED TABLE DRAGON TOOTH MARKINGS SHALL BE REFLECTORISED PAVEMENT MARKING. EXCEPT WHERE SPECIFIED ON THE DRAWING, ALL OTHER ROAD MARKINGS SHALL BE LONG LIFE PAVEMENT MARKING
- RAISED REFLECTIVE PAVEMENT MARKERS (RRPM) SHALL COMPLY WITH NZTA P/14, NZTA M/12 AND MOTSAM STANDARDS.
- ALL NEW CENTRELINES SHALL INCLUDE RRPMS AT THE SPACING AND COLOUR DESCRIBED IN MOTSAM
- THE CONTRACTOR SHALL ENSURE THAT ALL REINSTATED ROADMARKINGS ARE TO BE EXTENDED AS REQUIRED BEYOND THE LIMITS SHOWN IN THE DRAWINGS TO ACHIEVE CONTINUITY MATCHING INTO THE EXISTING MARKINGS.
- LINE MARKINGS TO BE REMOVED SHALL BE REMOVED PERMANENTLY IN ACCORDANCE WITH NZRF LINE REMOVAL GUIDE. BLACKING
  OUT OF MARKINGS (WITH PAINT OR TEMPORARY MARKING TAPE) IS NOT A PERMANENT REMOVAL METHOD. REMOVAL INCLUDES
  REMOVING ANY RRPMS LOCATED ALONG MARKINGS SHOWN TO BE REMOVED
- TEMPORARY ROAD MARKING IS NOT PERMITTED UNLESS PRIOR APPROVAL BY THE ENGINEER.
- AUDIO TACTILE PROFILED (ATP) EDGE LINE MARKINGS
- •• REFER TO NZTA SPECIFICATIONS M24 AND P30 AND THEIR NOTES FOR FULL DETAILS
- •• LAID ALONG THE OUTSIDE OF THE NORMAL EDGE LINE WITHIN THE BUFFER
- •• 250mm PITCH
- •• ON SPECIFIC CORNERS AS SHOWN ON THE DRAWINGS

#### LIGHTING

- WCC IS CONDUCTING A SEPARATE ASSESSMENT TO VERIFY THE LUMINANCE LEVELS AT EXISTING AND PROPOSED CROSSINGS.
   ANY NECESSARY ADJUSTMENTS WILL BE MADE ACCORDINGLY TO ENSURE COMPLIANCE WITH ESTABLISHED REGULATIONS AND
   STANDARDS. LIGHTING DESIGN WILL BE PROVIDED BY OTHERS AND APPROVED BY WCC BEFORE CONSTRUCTION
- NO STOPPING LINES
- AS SHOWN ON THE DRAWINGS, INCLUDING ALL SECTIONS OF CYCLE LANE.
- EXISTING MARKINGS TO REMAIN EXCEPT WHERE SPECIFICALLY SHOWN TO BE REMOVED
- FOR CYCLE LANES TYPICALLY 1m STRIPE, 2m GAP
- OTHER AREAS TYPICALLY 1m STRIPE, 1m GAP
- CYCLE BUFFER (TWO EDGE LINES AND STRIPES)
- 100mm WIDE WHITE EDGE LINES
- •• WIDTH VARIES AS SHOWN ON THE DRAWINGS TO USE THE EXISTING EDGE LINE
- INCLUDES 600mm WIDE HATCH AT 10m CENTRES
- GREEN CYCLE LANE MARKINGS
  - GREEN HIGH FRICTION PAINT (G26 APPLE GREEN OR AS OTHERWISE APPROVED)
  - EXTENDS ACROSS THE CYCLE LANE BETWEEN THE EDGE LINE AND THE NO STOPPING MARKINGS
- •• FOR CYCLE LANE ADJACENT TO KERBSIDE PARKING MAINTAIN AN UNMARKED BUFFER OF ONE THIRD OF CYCLE LANE ADJACENT TO CAR PARKED.
- •• FOR SEPARATED CYCLEWAYS STOP 100mm FROM THE INSIDE FACE OF THE SEPARATOR
- INCLUDES CYCLE SYMBOL IN THE DIRECTION SHOWN ON THE DRAWINGS
- SPEED MARKINGS
- 5 3m I ONG
- •• SPEED SYMBOL ON RED HIGH FRICTION BACKGROUND (R13 SIGNAL RED OR AS OTHERWISE APPROVED
  - EXTENDS BETWEEN THE CENTRELINE AND LANE EDGE LINE, OR WHERE THERE IS NO CENTRELINE THEN TO THE CENTRE OF THE ROAD
- •• NOT REQUIRED ON ALL SPEED LIMIT CHANGES, JUST WHERE SHOWN ON THE DRAWINGS
- BUS STOPS

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- •• RE-MARK ALL BUS STOPS ALONG THE ROUTE
- •• ADD "BUS STOP" LETTERING TO EACH BUS STOP



- AFFECTED FIRE HYDRANT MARKINGS TO BE REINSTATED IN ACCORDANCE WITH MOTSAM PART 2, SECTION 4
- SIGNS, POSTS, AND FIXINGS SHALL BE RE-USED WHERE POSSIBLE.
- ALL STATIC SIGNS INSTALLATION MUST BE READ IN CONJUNCTION WITH NZTA P/24, TRAFFIC CONTROL DEVICES (TCD) MANUAL, MOTSAM AND OTHER RELEVANT STANDARDS
- SIGNS INSTALLATION USING SURFACE MOUNT SOCKET IS SUBJECT TO ENGINEER APPROVAL
- ALL ELECTRONIC SIGNS INSTALLATION MUST BE READ IN CONJUNCTION WITH NZTA P/32, TRAFFIC CONTROL DEVICES (TCD)
   MANUAL AND OTHER RELEVANT STANDARDS
- ALL RETRO-REFLECTIVE SHEETING USED FOR TRAFFIC SIGNS MUST COMPLIANT WITH AS/NZS 1906.1:2017.
- ALL LATERAL PLACEMENT OF THE STATIC SIGNS SHALL BE INSTALLED AS PER MOTSAM PART 1 SECTION 1.7.3(A):

#### •• IN URBAN AREAS

- ••• A DESIRABLE MINIMUM OF 500 mm FROM KERB FACE WHERE MOUNTABLE KERBS ARE PRESENT, OR
- ••• 300 mm FROM KERB FACE WHERE NON-MOUNTABLE KERBS ARE PRESENT
- MINIMUM VERTICAL DISTANCE FOR STANDARD GROUND MOUNTED SIGNS SHALL BE IN COMPLIANT WITH THE TCD STANDARD:
- •• 2.0 m FOR ALL STANDARD SIGNS ALONG LOCAL ROAD
- •• 2.5 m FOR ALL SIGNS OVER FOOTPATHS AND/OR TRANSIT/BUS LANES SIGNS
- THE MINIMUM LATERAL OFFSET TO THE OUTER EDGE OF THE ELECTRONIC SIGN SHALL BE NO LESS THAN 600 mm FROM THE EDGE OF THE ROAD SHOULDER AND BETWEEN 2 m AND 5 m FROM THE EDGE OF THE LIVE TRAFFIC.
- ON URBAN ROADS WITH A KERB, THE LATERAL PLACEMENT OF THE SIGN POLE SHALL BE NO LESS THAN 1 m FROM THE KERB FACE, AND A DESIRABLE PLACEMENT OF 1.5 m FROM THE KERB FACE WHERE SPACE IS AVAILABLE AND VISIBILITY IS ACHIEVED.
- ALL VERTICAL PLACEMENT OF THE ELECTRONIC SIGNS SHALL BE INSTALLED AS PER NZTA P/32, NZTA TRAFFIC NOTE 57, MANUAL
  OF TRAFFIC SIGNS AND MARKING (MOTSAM) AND TRAFFIC CONTROL DEVICES (TCD)
- THE BOTTOM OF THE DISPLAY CABINET SHALL BE MOUNTED 3 m ABOVE GROUND LEVEL UNLESS OTHERWISE AGREED WITH WCC
- •• THE MINIMUM MOUNTING HEIGHT SHALL BE NO LESS THAN 2.75 m
- THE SUPPORTING POSTS FOR THE ELECTRONIC SIGNS SHALL BE FRANGIBLE ALUMINIUM POST WITHOUT SLIPBASE. THE
  MAXIMUM DIAMETER OF THE ALUMINIUM POST THAT DOES NOT REQUIRE A SLIPBASE IS A SINGLE, FLUTED, 114 mm OUTER
  DIAMETER ALUMINIUM POST, OF 4.7 mm WALL THICKNESS, MANUFACTURED IN GRADE 6264-T5 (255MPa YIELD STRENGTH). THE
  POST SHALL HAVE A POWDER COATED FINISH AND BE COLOURED WHITE.
- ALL REFLECTORISED GROUND MOUNTED SIGNS SHALL BE ORIENTATED SUCH THAT THEY ARE 5<sup>o</sup> (NO GREATER THAN 10<sup>o</sup>) FROM DRIVER'S LINE OF SIGHT OR THE ROAD CENTRELINE
- TRAFFIC SIGNS LOCATIONS AND ROTATIONS ARE INDICATIVE ONLY. THESE ARE TO BE CONFIRMED ON SITE BY THE ENGINEER PRIOR TO INSTALLATION TO AVOID CONFLICT AND OBSTRUCTION TO SIGNS.
- PRIOR TO THE INSTALLATION OF TRAFFIC SIGNS, CONTRACTORS ARE RESPONSIBLE FOR LOCATING ANY SERVICES, STREET
  FURNITURE, STORMWATER DRAINAGE AND OTHER FEATURES. WHERE THERE IS A CONFLICT BETWEEN THE SIGN INSTALLATION
  AND EXISTING SERVICES, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO INSTALLATION AND MODIFY THE SIGN
  LOCATION WHERE APPROPRIATE.
- EXISTING SIGNS TO BE REMOVED MUST BE PERMANENTLY REMOVED FROM THE SITE, SAW CUTTING WITH ABANDONED STUDS OR PARTIAL POLE ARE NOT PERMITTED.

#### PAVEMENT AND SURFACING

- PAVEMENT AND SURFACING SHALL BE REINSTATED WITHIN 800mm OF THE NEW KERB AND CHANNEL CONSTRUCTION
- ALL PAVEMENT AND SURFACING WORKS SHALL COMPLY WITH NZTA, AUSTROADS AND ALL RELEVANT STANDARDS
- ALL ASPHALTIC CONCRETE SURFACING WORKS SHALL COMPLY WITH NZTA M/1, M/10, P/9 AND P/23 SPECIFICATION AND NOTES.
   FOR ROAD SURFACES A MINIMUM OF 45 mm ASPHALTIC CONCRETE SURFACING IS REQUIRED.
- FOOTPATH/BUS ISLAND SURFACES A MINIMUM OF 25mm MIX 6 ASPHALTIC CONCRETE SURFACING IS REQUIRED.
- THE PLACEMENT OF STRUCTURAL AC AND WEARING COURSE SHALL BE IN ACCORDANCE WITH NZTA M/10 SPECIFICATION.
- ALL MIX DESIGN FOR ASPHALTIC CONCRETE SHALL BE CARRIED OUT IN ACCORDANCE WITH THE ASPHALT INSTITUTE MIX DESIGN METHODS. THE MIX DESIGN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION
- IN-SITU STABILISATION (CEMENT AND/OR LIME) WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH NZTA B/5 AND B6 SPECIFICATIONS AND NOTES. THE LABORATORY MIX DESIGN SHALL BE UNDERTAKEN ON SAMPLES OBTAINED FROM THE RESPECTIVE FIELD TESTING AND THE OPTIMAL MIX DESIGN SHALL BE SUBMITTED TO THE ENGINEER FOR PAVEMENT DESIGN PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- CURING OF THE STABILISED LAYERS SHALL BE IN ACCORDANCE WITH NZTA B/6, B/7 AND B/8 SPECIFICATIONS. PAVEMENT LAYERS SHOULD ONLY BE OPENED TO TRAFFIC ONCE THE PAVEMENT LAYERS HAVE SUFFICIENTLY BEEN CURED.
- CEMENTED SUBBASE WORKS SUBJECT TO MIX DESIGN APPROVAL BY THE ENGINEER. IT IS CONTRACTOR'S RESPONSIBILITY TO UNDERTAKE THE MIX DESIGN AS PER NZTA T/19 SPECIFICATION.
- THE CONSTRUCTION OF CEMENTED SUBBASE SHALL BE IN ACCORDANCE WITH NZTA B/8 SPECIFICATION
- SHALL SUBGRADE IMPROVEMENT BE REQUIRED USING IN-SITU LIME STABILISATION, THIS SHALL BE CARRIED OUT IN
  ACCORDANCE WITH NZTA M/15 SPECIFICATION. ALL OTHER SUBGRADE IMPROVEMENT WORKS SHALL BE CARRIED OUT IN
  ACCORDANCE WITH NZTA F/1 AND B/9 SPECIFICATIONS.
- WHERE THE SUBGRADE IS EXPOSED AND IN AREAS OF WIDENING, THE SUBGRADE SHALL BE TESTED BY MEANS OF SCALA PENTROMETER. TESTING ON A 5 m GRID. THE APPROPRIATE PAVEMENT DESIGN SHALL THEN BE CONSTRUCTED BASED ON THE SUBGRADE STRENGTH. PROOF ROLLING AND VISUAL INSPECTION BY THE ENGINEER OR DESIGNER IS REQUIRED.
- ALL COLOURED SURFACING TREATMENTS SHALL COMPLY WITH NZTA P/33 SPECIFICATION
- ALL JOINTS BETWEEN EXISTING AND NEW SURFACING SHALL BE UNDERTAKEN WITH A CLEAN SAWCUT.
- CONTRACTOR TO SUBMIT PAVEMENT AND SURFACING CONSTRUCTION METHODOLOGY STATEMENTS INCLUDING TESTING TO THE ENGINEER FOR APPROVAL PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL TESTING REQUIREMENTS AND TESTING FREQUENCY SHALL BE IN ACCORDANCE WITH THE RELEVANT NZTA SPECIFICATIONS.
- QUALITY CONTROL IS SUBJECT TO APPROVAL OF AN INSPECTION AND TEST PRIOR TO CONSTRUCTION STARTING. ANY ASPHALT SURFACE WHICH WILL BE OPENED TO THE TRAFFIC SHALL HAVE A MAXIMUM VERTICAL TOLERANCE OF +/-5 mm.

#### **GRASS AND TREES**

- CONTRACTOR SHALL LIAISE WITH WCC APPROVED ARBORIST FOR ANY WORK UNDER THE DRIPLINE. LIAISON SHALL BE MADE WELL IN ADVANCE OF ANY CONSTRUCTION WORK.
- THE CONTRACTOR SHALL LIAISE WITH WCC APPROVED ARBORIST FOR ALL TREE REMOVAL, PLANTING, TRIMMING AND PRUNING WORKS
- THE CONTRACTOR SHALL LIAISE WITH PARKS, SPORTS AND RECREATION DEPARTMENT OF WCC FOR ALL LANDSCAPING WORKS.
   VEHICLE CROSSING
- CONSTRUCTION FOR NEW VEHICLE CROSSING SHALL COMPLY WITH WCC CODE OF PRACTICE FOR LAND DEVELOPMENT DRAWING R-24-721
- GAP40 GRANULAR BASECOURSE BEDDING MUST BE PLACED AND COMPACTED. COMPACTION MUST ACHIEVE A MINIMUM CLEGG IMPACT VALUE OF 12 FOR VEHICLE CROSSINGS.

#### DRAINAGE WORKS

- CONTRACTOR TO CONFIRM LOCATION OF SERVICES PRIOR TO CONSTRUCTION OF DRAINAGE INFRASTRUCTURE.PROPOSED
  SUMP AND MANHOLE LOCATIONS SHALL BE CHECKED AGAINST DESIGN SETOUT FOR CLASH WITH UNKNOWN SERVICES TO
  CONFIRM DESIGN GRADE AND LEVELS CAN BE ACHIEVED. WHERE REQUIRED, SURVEY SHALL BE PROVIDE OF POTHOLED
  SERVICES, AND DOWNSTREAM STORMWATER MANHOLE PROVIDING LOCATIONS AND REDUCED LEVELS IN NZGD 2000,
  WELLINGTON CIRCUIT COORDINATES WITH WELLINGTON VERTICAL DATUM 1953 FOR HEIGHTS.
- DRAINAGE INFRASTRUCTURE ASSOCIATED WITH THE CONSTRUCTION WORKS SHALL BE INSTALLED IN ACCORDANCE WITH THESE DRAWINGS AND WELLINGTON WATER'S REGIONAL SPECIFICATION FOR WATER SERVICES - 2021 AND WELLINGTON CITY COUNCIL'S CODE OF PRACTICE.

#### **GENERAL LEGEND**

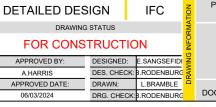




CLIENT



C02	90% DETAILED DESIGN	C.LI	C.CASSIDY	31/03/2023		
C03	TRAFFIC RESOLUTION ISSUE	C.LI E	RODENBUR	307/07/2023	z	
C04	TRAFFIC RESOLUTION ISSUE	C.LI E	RODENBUR	328/07/2023	E CE	
C05	TRAFFIC RESOLUTION ISSUE UPDATE	C.LI E	RODENBUR	311/08/2023	₹W.	
C06	ISSUE FOR CONSTRUCTION UPDATE	.SANGSEFIE	I.RODENBUR	301/12/2023	Ğ.	
C07	ISSUE FOR CONSTRUCTION UPDATE	SANGSEFID	I A.HARRIS	06/03/2024	<u>Z</u>	
REV.	DESCRIPTION	DRAWN BY	APRVD. BY	DATE	N -	
	50 100	DRAWING SCALE @ A1			ZAV	
	m 1:2000 (A1) 1:4000 (A3)		1:2000		_	



GATE

DESIGN STAGE

PROJECT: TRANSITIONAL CYCLEWAYS
BERHAMPORE TO NEWTOWN

GENERAL NOTES/LEGEND

GENERAL NOTES/ LEGEND
TITLE: SHEET 2

SCH - TC -BERNEW - DRG - TR - 905011 C07

LAST SAVED BY: EBRAHIM.SANGSEFIDI(2024-03-07) LAST PLOTTED: 2024-03-07

FILE LOCATION

Ab	solutely Positively
We	ellington City Counci
Mel	Heke Ki Pôneke

NAME	SYMBOL(NOT TO SCALE)	CODE	MATERIAL	SPECIFICATION
CONTINUOUS LANE LINE / EDGE LINE		CLL	WHITE, REFLECTORISED PAINT	TRAFFIC CONTROL DEVICE MANUAL, PART 5: TRAFFIC CONTROL DEVICES FOR GENERAL USE 100mm (MIN.) WIDE CONTINUOUS LINE
BROKEN LANE LINE		BLL	WHITE, REFLECTORISED PAINT	TRAFFIC CONTROL DEVICE MANUAL, PART 5: TRAFFIC CONTROL DEVICES FOR GENERAL USE 100mm (MIN.) WIDE 3.0m STRIPE, 7.0m GAP
LIMIT LINE		LIL	WHITE, REFLECTORISED PAINT	TRAFFIC CONTROL DEVICES MANUAL, Part 4: TRAFFIC CONTROL DEVICES FOR GENERAL USE - FOR INTERSECTION 300mm WIDE CONTINUOUS LINE
CONTINUITY LINE		CL	WHITE, REFLECTORISED PAINT	MOTSAM, PART 2, SECTION 3: INTERSECTION PAVEMENT MARKING 100mm WIDE LINE, 1.0m STRIPE, 3.0m GAP
NO STOPPING AT ALL TIMES LINE	_ <del>- <sup>1.0</sup> -</del> _ <del>- <sup>1.0</sup> -</del>	NSAAT	YELLOW, REFLECTORISED PAINT	TRAFFIC CONTROL DEVICES MANUAL, PART 13: PARKING CONTROL 100mm WIDE LINE, 1.0m STRIPE, 1.0m GAP WHERE NO-STOPPING RESTRICTION IS GREATER THAN 30m A 2.0m GAP MAY BE USED
NO-OVERTAKING		N-O	YELLOW, REFLECTORISED PAINT	TRAFFIC CONTROL DEVICE MANUAL, PART 5: TRAFFIC CONTROL DEVICES FOR GENERAL USE 100mm (MIN. CAN BE INCREASED TO 150mm) WIDE CONTINUOUS LINE
BUS STOP MARKING	DOMINIOUS LINE EN TO	BS	YELLOW, REFLECTORISED PAINT	TRAFFIC CONTROL DEVICES MANUAL (TCD MANUAL) - PART 13: PARKING CONTROL
"BUS STOP" TEXT	፮BUS STOP	BST	YELLOW, REFLECTORISED PAINT	TRAFFIC CONTROL DEVICE MANUAL, PART 5: TRAFFIC CONTROL DEVICES FOR GENERAL USE USE OF THE TEXT "BUS STOP" WITHIN THE BUS BOX IS OPTIONAL, BUT IS RECOMMENDED THAT IT IS USED FOR ALL BUS STOPS WITH BUS BOXES
GIVEWAY SYMBOL (CARRIAGEWAY)		GW	WHITE, REFLECTORISED PAINT	AS PER MOTSAM PART 2 SECTION 3 - PLACED AS SHOWN ON PLAN
CYCLE SYMBOL	1.68	cs	WHITE, REFLECTORISED PAINT	TRAFFIC CONTROL DEVICE MANUAL, PART 5: TRAFFIC CONTROL DEVICES FOR GENERAL USE - BETWEEN INTERSECTIONS, CYCLE FACILITIES THE SYMBOL SIZE CAN BE REDUCED TO TWO-THIRD FOR NARROW CYCLE LANES
SHARROW SYMBOL	1.0	SHS	WHITE, REFLECTORISED PAINT	SHARROW MARKINGS, BEST PRACTICE GUIDANCE NOTE - 2016
CYCLE SYMBOL WITH GREEN BACKGROUND	<b>2 3</b> 21	CSGB	WHITE, REFLECTORISED PAINT FOR CYCLE SYMBOLE, AND AS 2700-1996 G26 APPLE GREEN FOR THE BACKGROUND	TRAFFIC CONTROL DEVICE MANUAL, PART 5: TRAFFIC CONTROL DEVICES FOR GENERAL USE - BETWEEN INTERSECTIONS, CYCLE FACILITIES THE GREEN COLOURED SURFACE SHOULD AT LEAST EXCEEDING THE SIZE OF CYCLE SYMBOL ITSELF
ADVANCE WARNING DIAMOND	1.0m DESIRABLE 4.0m MIN.	AWD	WHITE, REFLECTORISED PAINT	TRAFFIC CONTROL DEVICE MANUAL, PART 5: TRAFFIC CONTROL DEVICES FOR GENERAL USE - BETWEEN INTERSECTIONS, PEDESTRIAN FACILITIES 100mm LINE WIDTH PLACED AS SHOWN ON PLAN
FLUSH MEDIAN	2 1 100mm WIDE BTOKEN LINE	FM	WHITE, REFLECTORISED PAINT	TRAFFIC CONTROL DEVICE MANUAL, PART 5: TRAFFIC CONTROL DEVICES FOR CENERAL USE - BETWEEN INTERSECTIONS REFER TO TCD, PART 5 - TREATMENT FOR STRAIGHT-GENERAL DELINEATION, TABLE 2 9 FOR BAR SPACING REQUIREMENT
PEDESTRIAN CROSSING	0.6m 0.6m N	PC	WHITE, REFLECTORISED PAINT	TRAFFIC CONTROL DEVICE MANUAL, PART 5: TRAFFIC CONTROL DEVICES FOR GENERAL USE - BETWEEN INTERSECTIONS, PEDESTRIAN FACILITIES PLACED AS SHOWN ON PLAN
CHEVRON MARKING - CYCLEWAYS	100mm WIDE CONTINUOUS LINE	CH-CW	WHITE, REFLECTORISED PAINT	ACCESS CONTROL DEVICES ON PATHS, DESIGN GUIDANCE NOTE 200mm WIDE DIAGONAL BARS AND 1.5m BAR SPACING
KEEP CLEAR - CROSS HATCHING		кс-сн	YELLOW, REFLECTORISED PAINT	TRAFFIC CONTROL DEVICE MANUAL, PART 5: TRAFFIC CONTROL DEVICES FOR GENERAL USE - BETWEEN INTERSECTIONS, EMERGENCY VEHICLE - FLASHING SIGNALS WIDTH OF LINES IS 100mm AND THE SIZE OF DIAMOND IS HALF THE LANE WIDTH (OR MATCH THE EXISTING IF IT IS EXTENDED)
GREEN PAINT		GP	G26 APPLE GREEN ACCEPTABLE ALTERNATIVE G13 EMERALD GREEN G36 KIKUYU	COLOURED SURFACING PRINCIPLES - BEST PRACTICE GUIDANCE NOTE THE COLOUR FOR BUFFERED ADVANCE STOP BOX AND BACKGROUND OF CYCLE SYMBOL
RED PAINT		RP	R13 SIGNAL RED ACCEPTABLE ALTERNATIVE R54 RASPBERRY	COLOURED SURFACING PRINCIPLES - BEST PRACTICE GUIDANCE NOTE THE COLOUR FOR SPEED LIMIT THRESHOLD TREATMENT
HUMP RAMP MARKING	300-600mm 750mm 0-450mm	HRM	WHITE, REFLECTORISED PAINT	TRAFFIC CONTROL DEVICE MANUAL, PART 5: TRAFFIC CONTROL DEVICES FOR GENERAL USE - BETWEEN INTERSECTIONS, VERTICAL DEFLECTION DEVICES HUMP RAMP MARKING MUST EXTEND FROM THE BASE OF THE RAMP TO THE APEX OR TO THE TOP OF RAMP. BUT NO GREATER THAN 1850M.

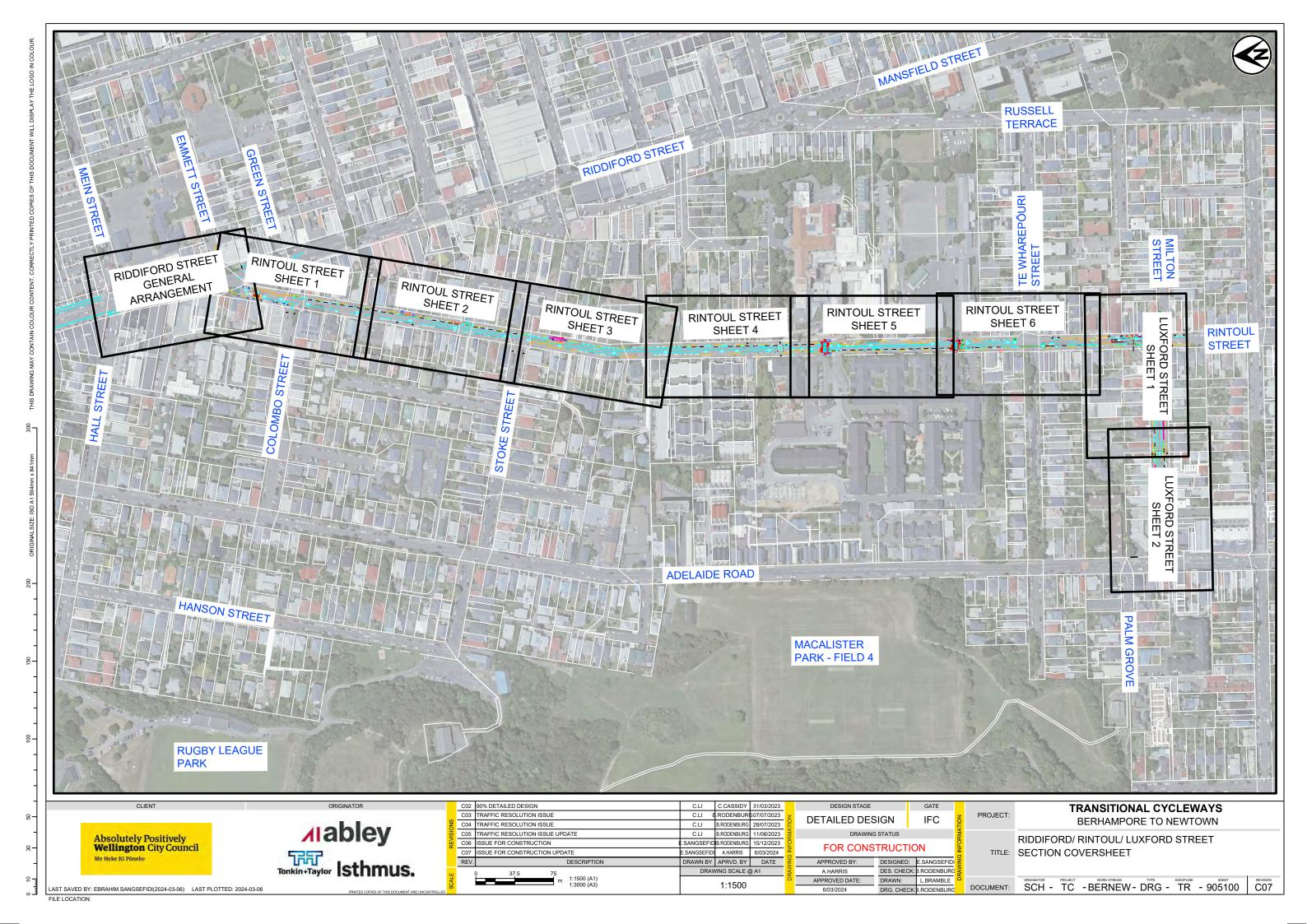
Alabley
Tonkin+Taylor Isthmus.

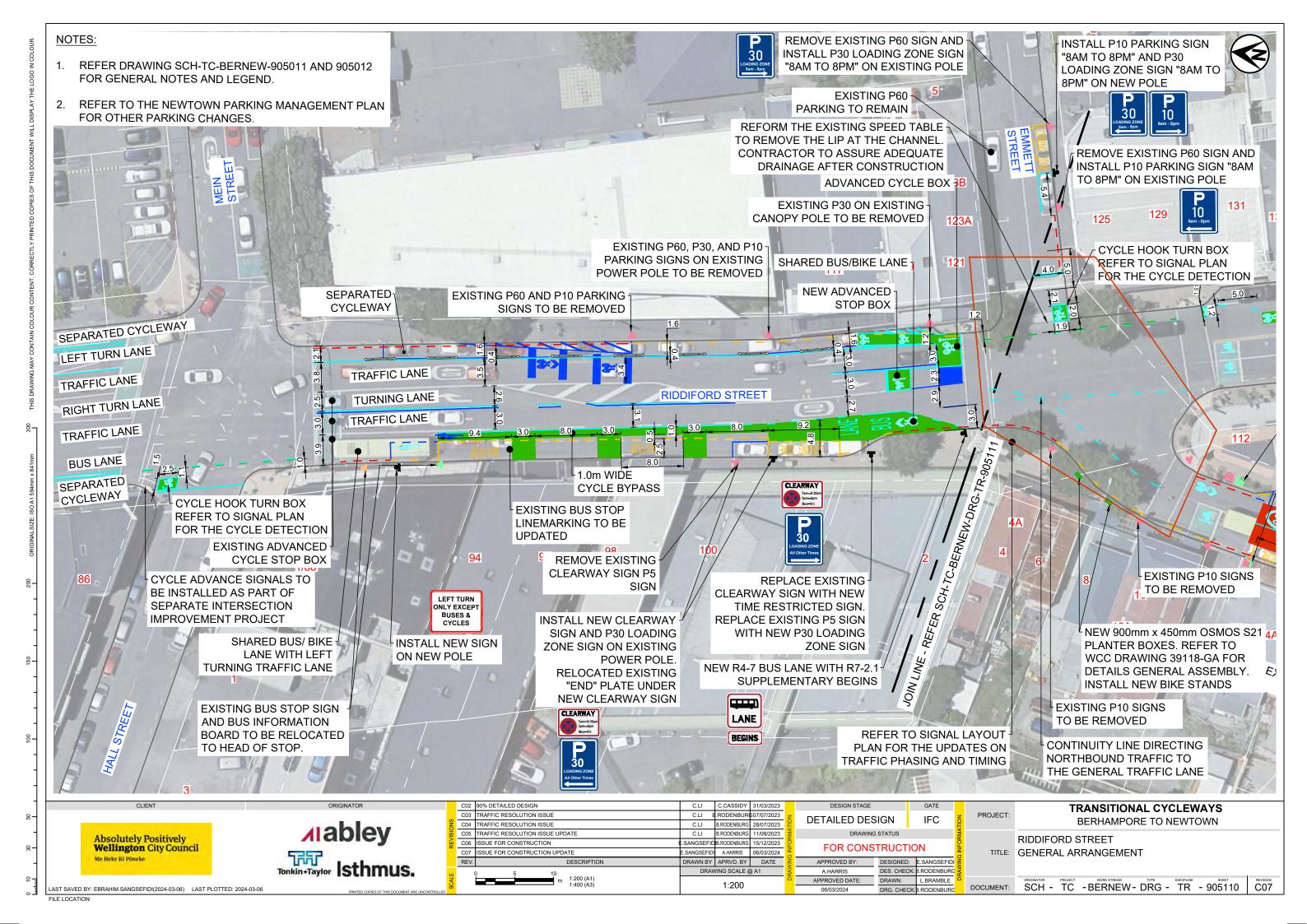
ROAD MARKINGS SPECIFICATIONS

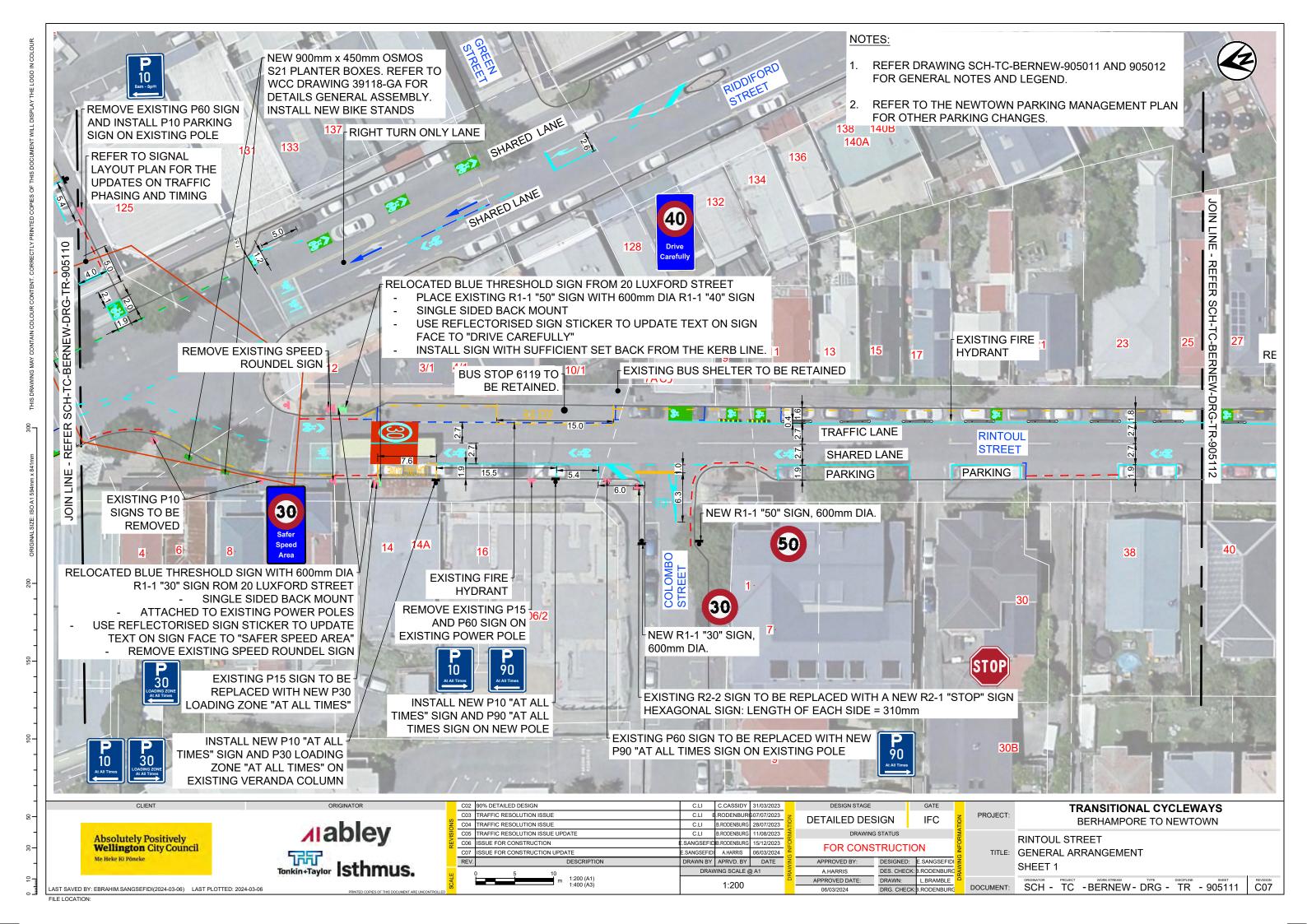
DESIGN STAGE

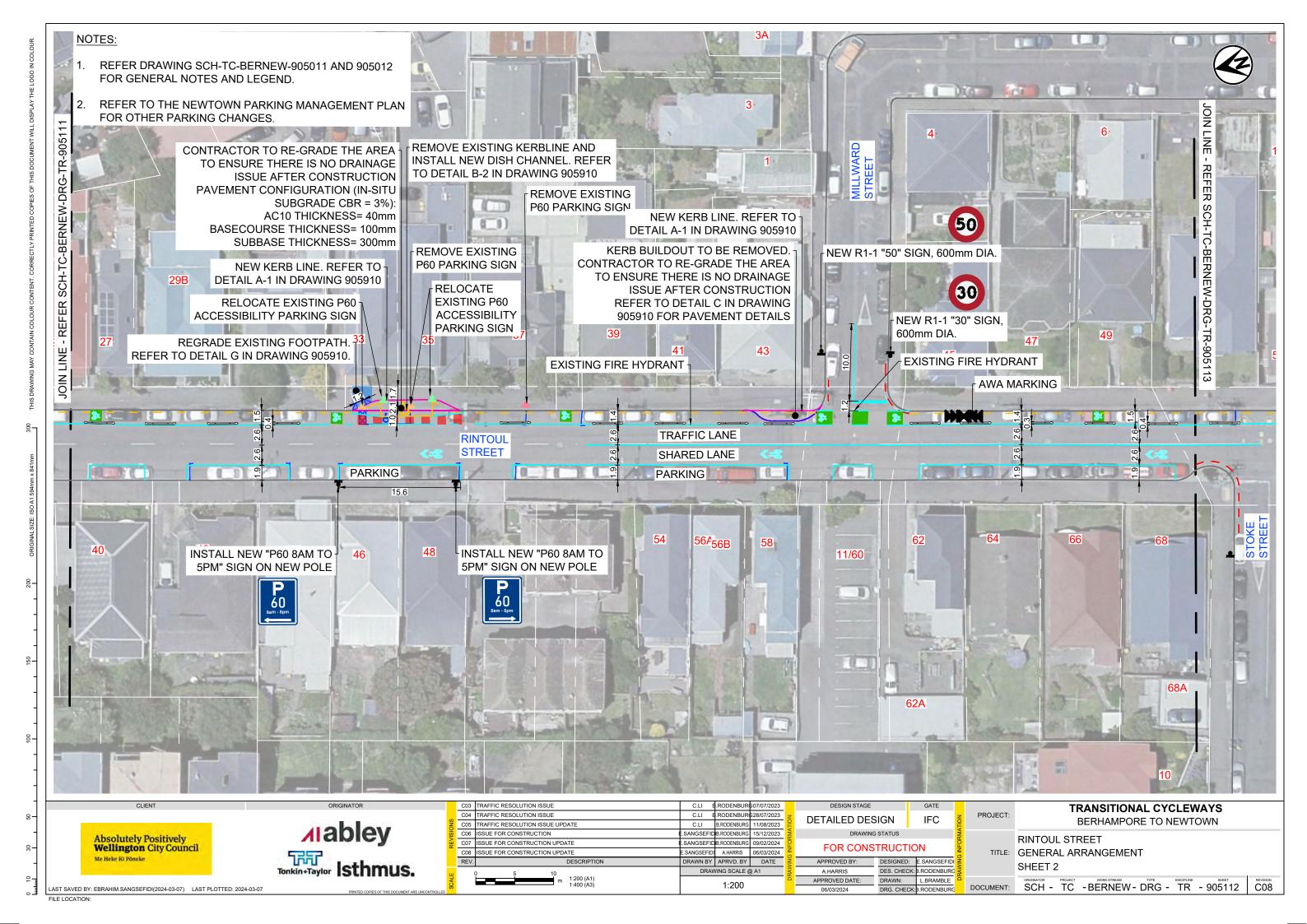
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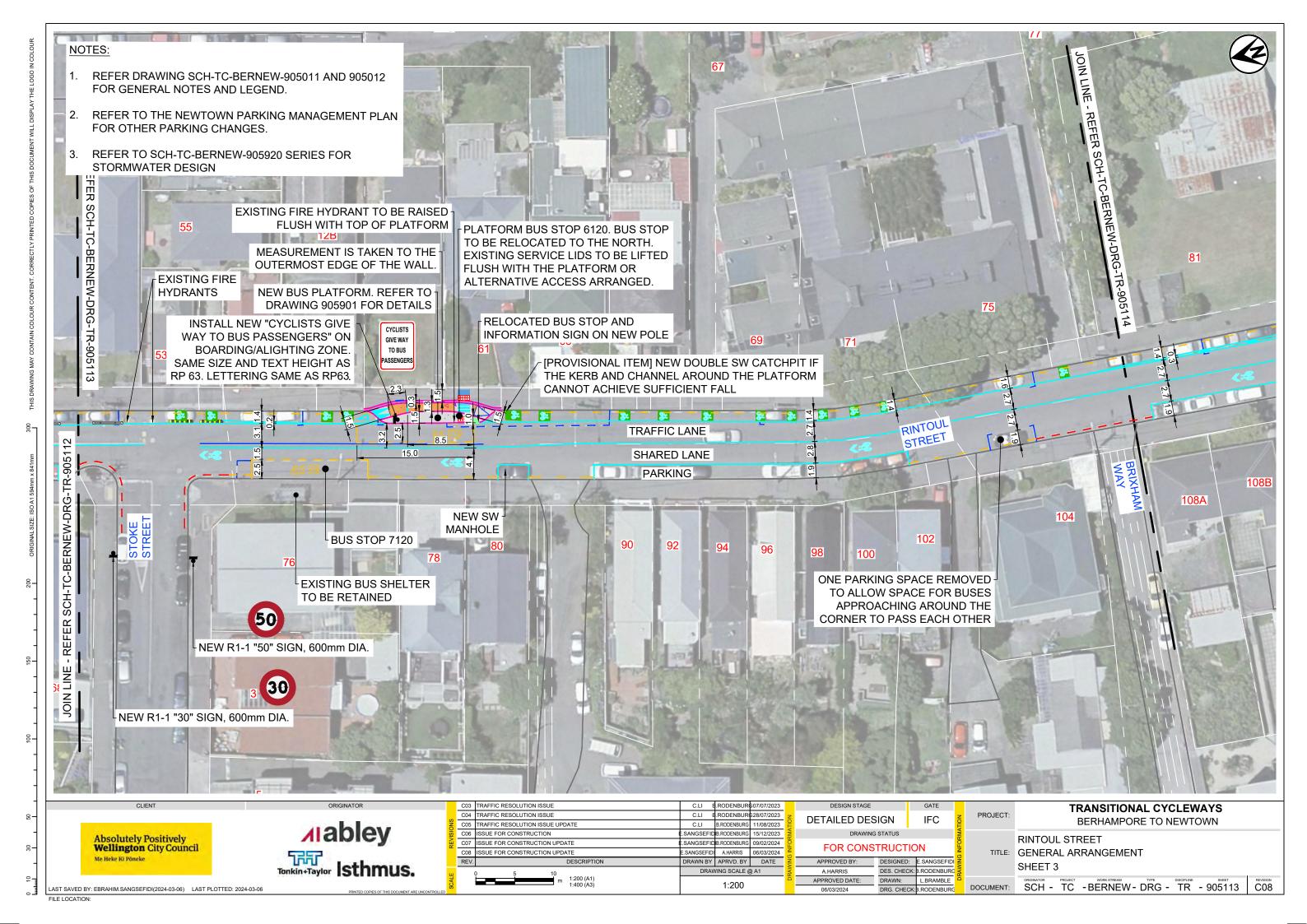
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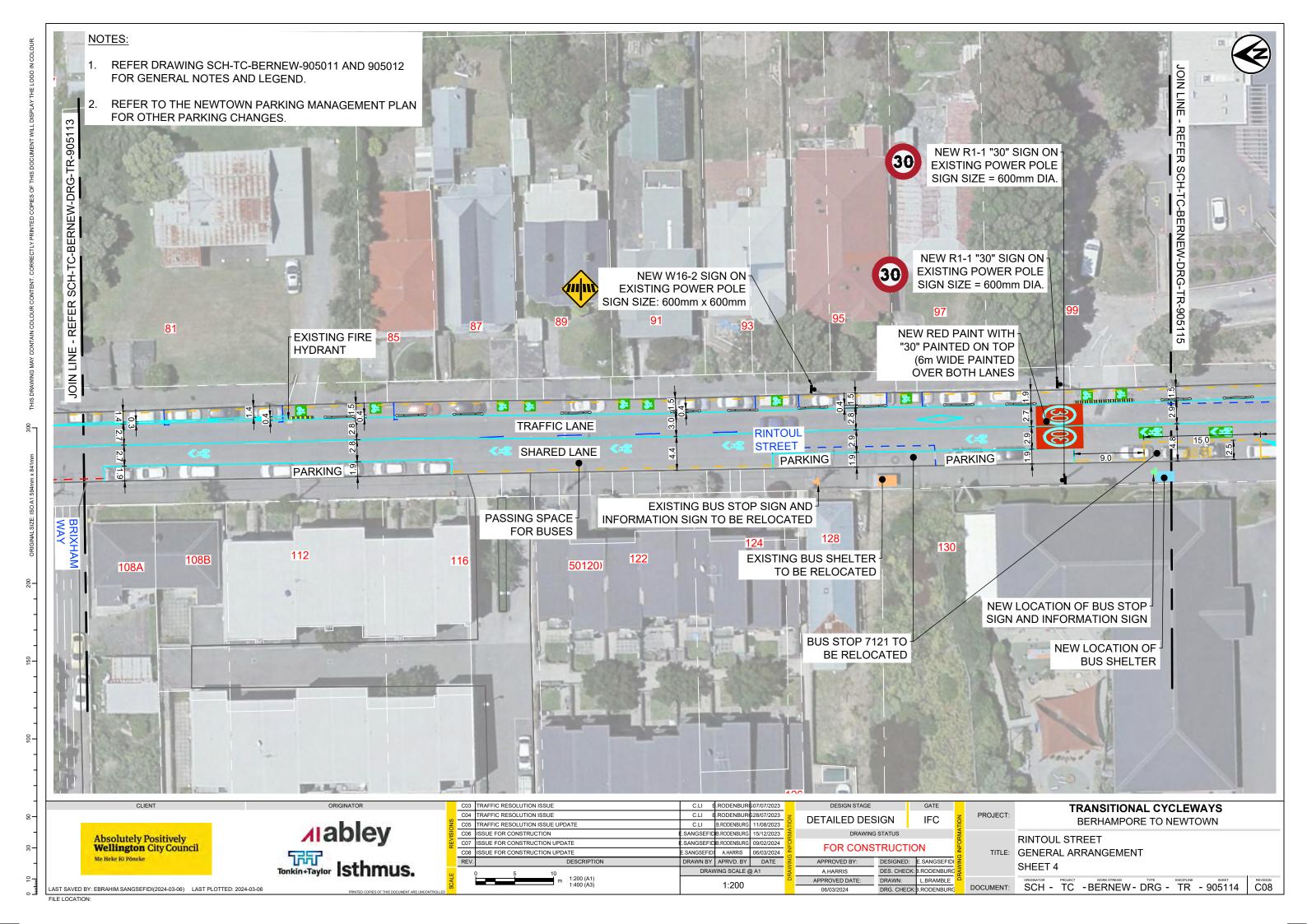


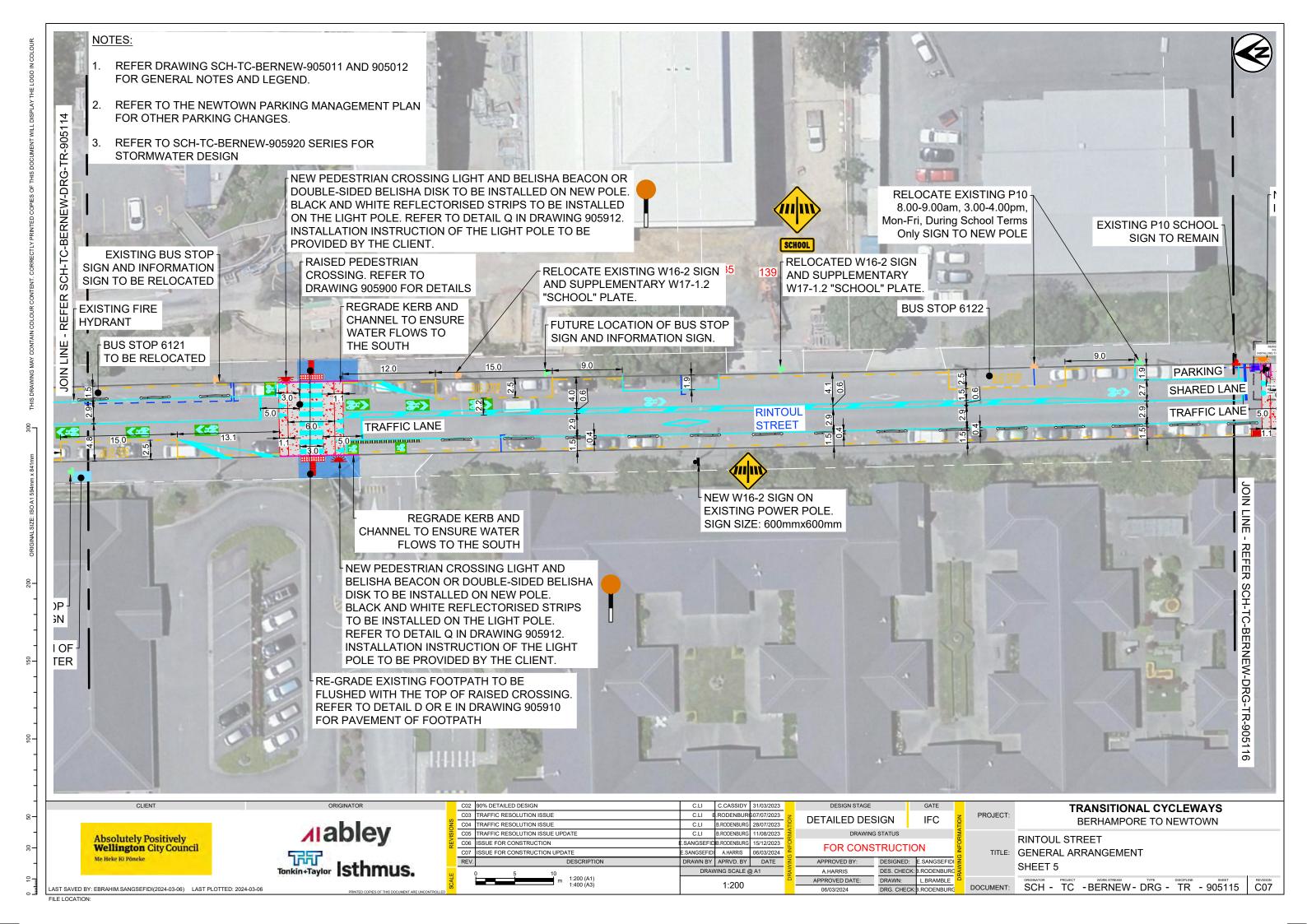


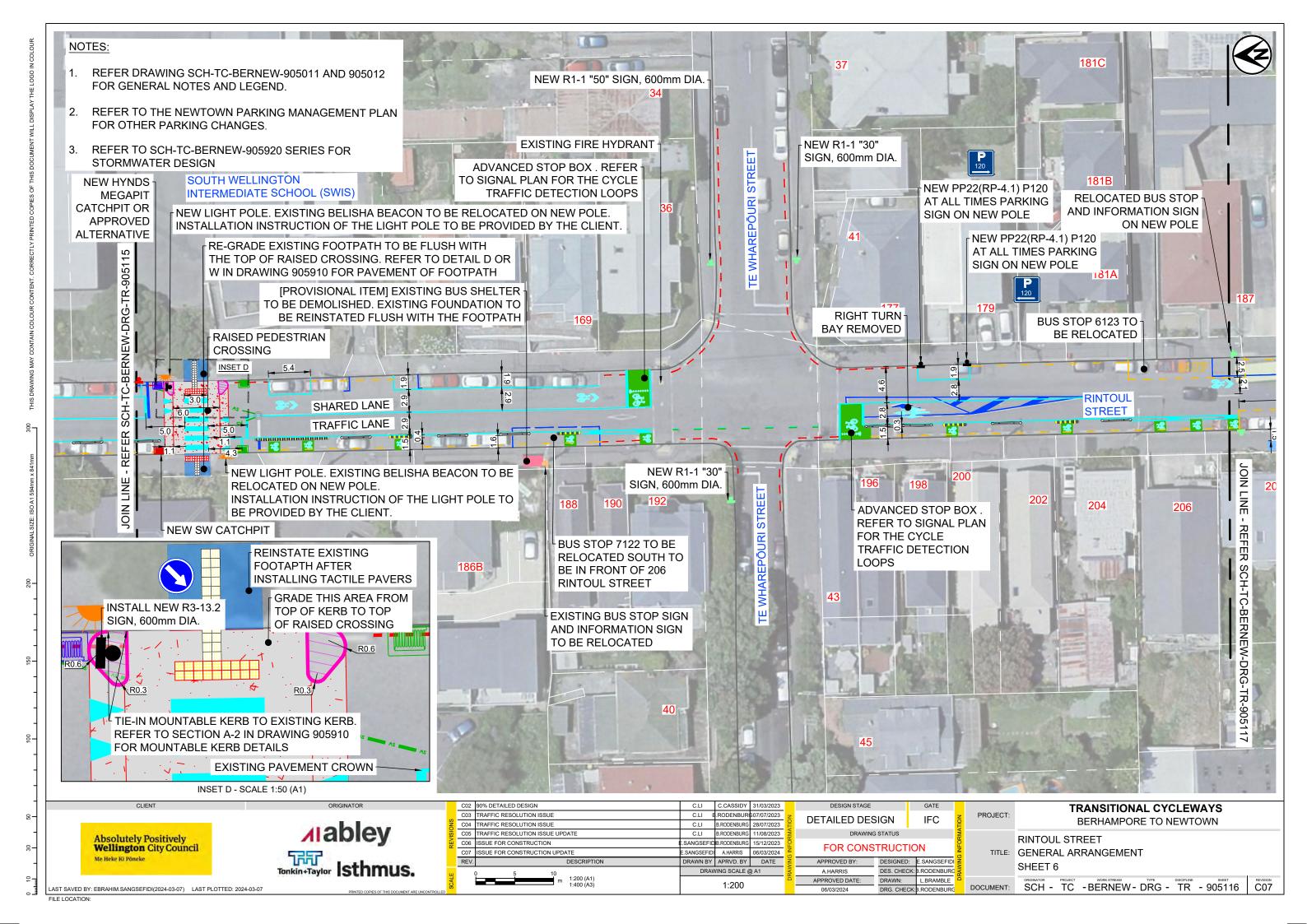


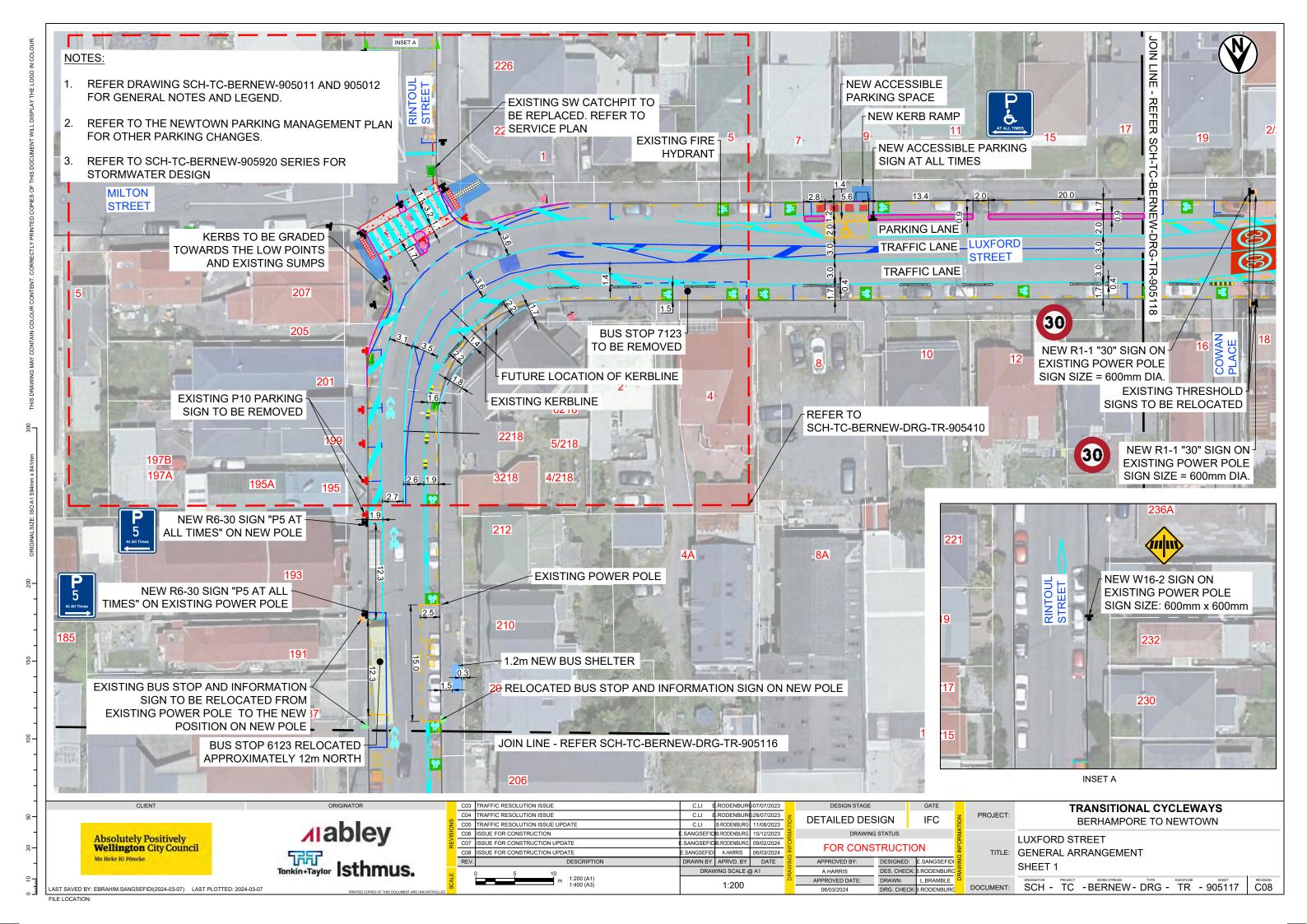


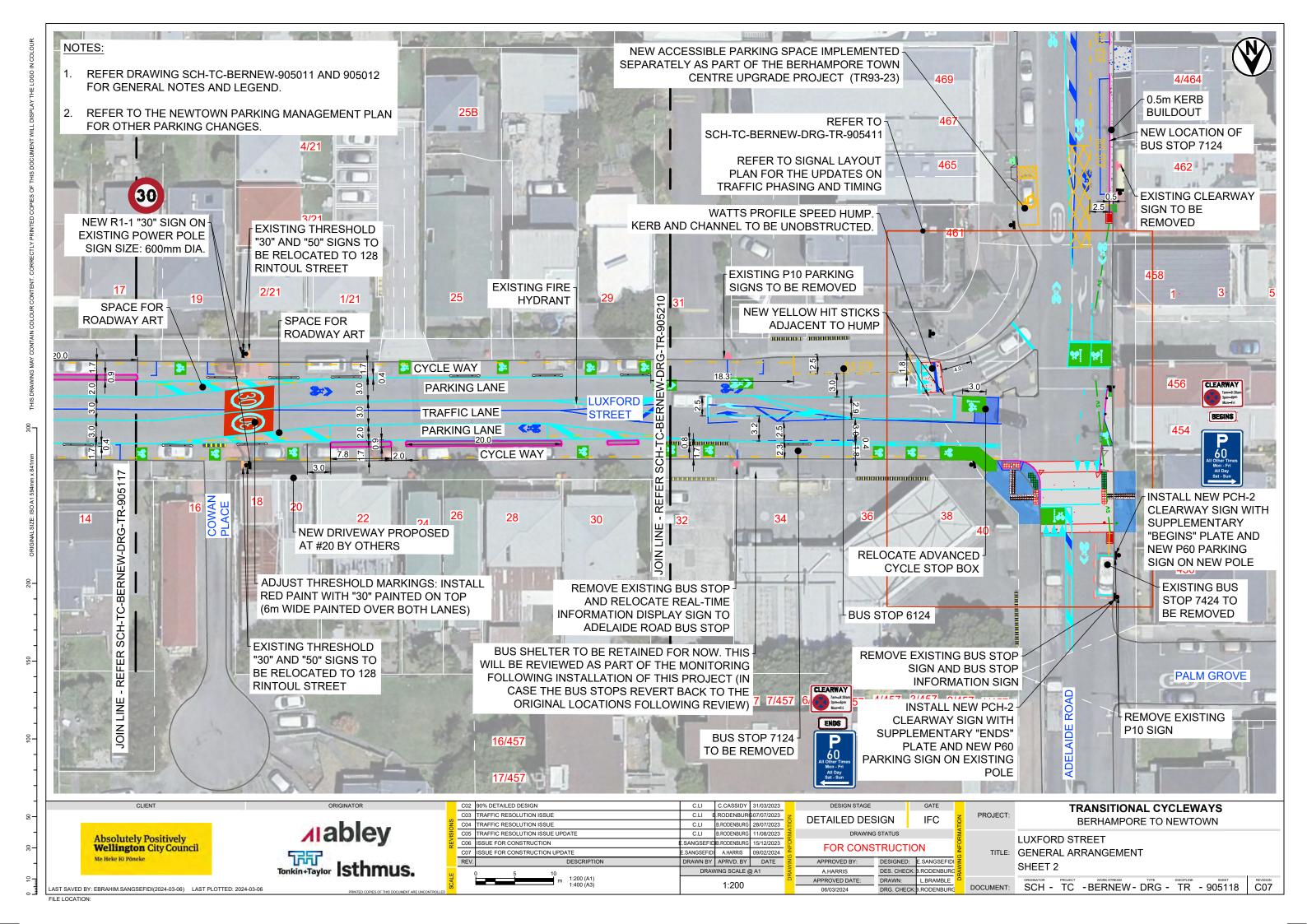


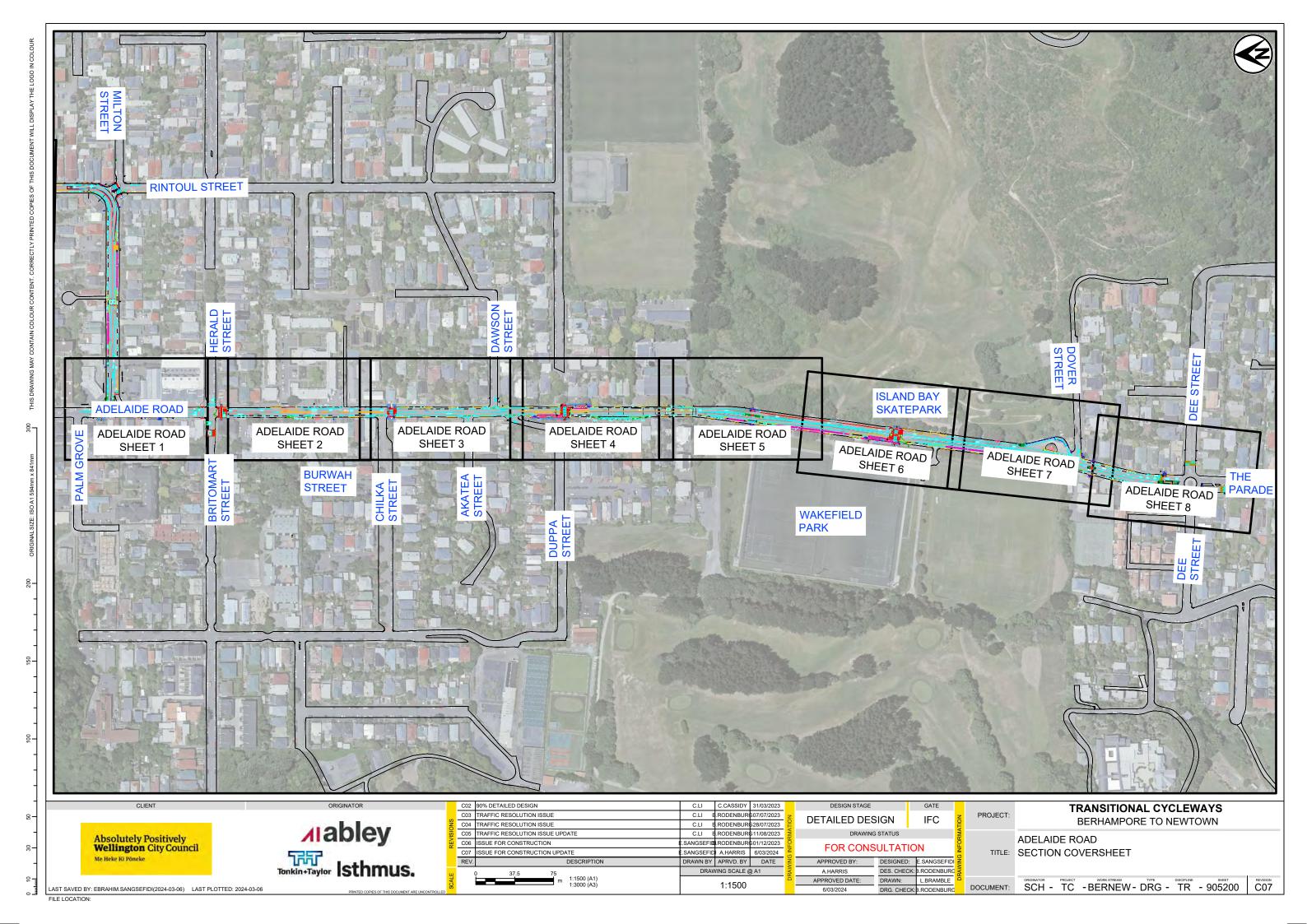


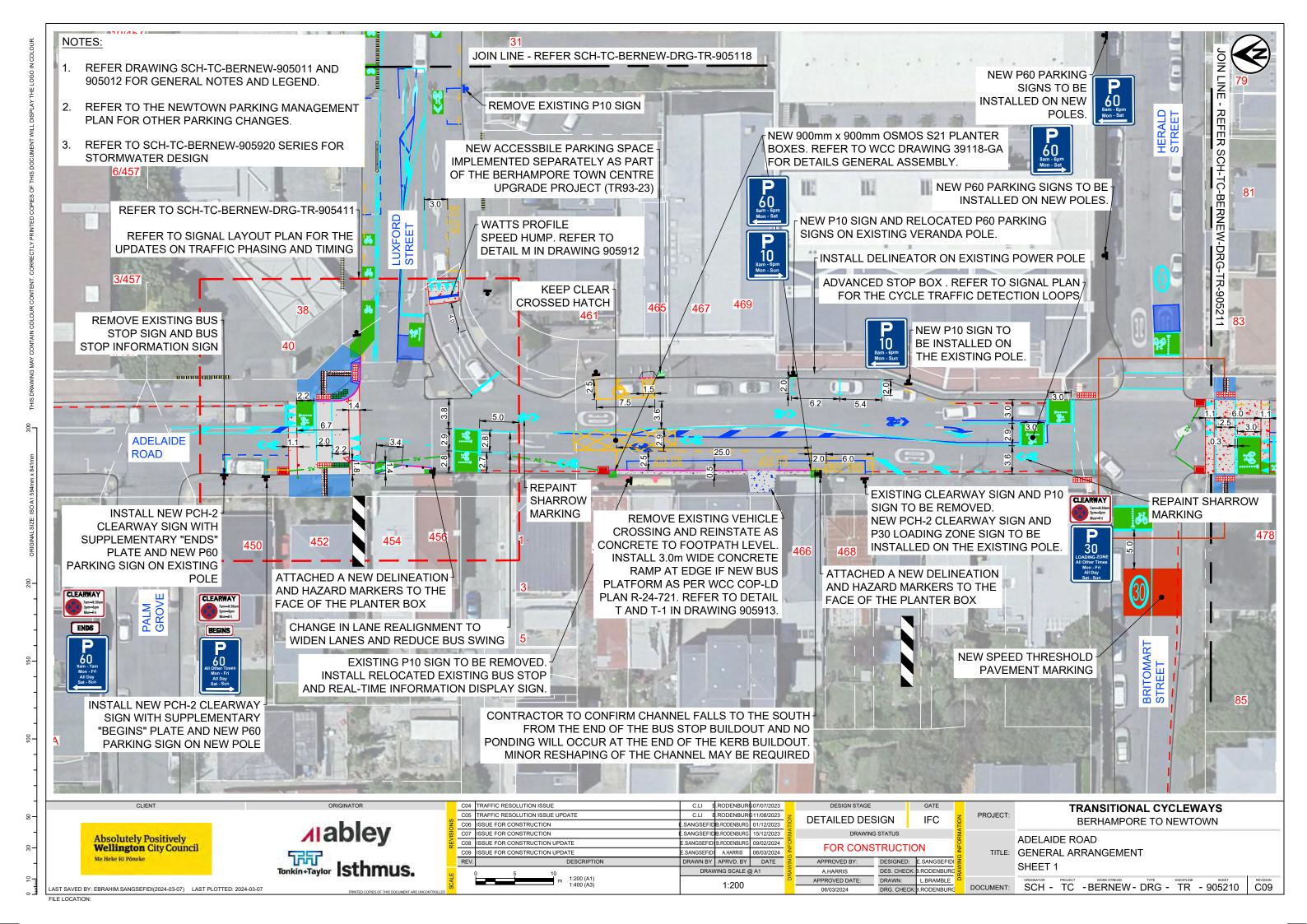


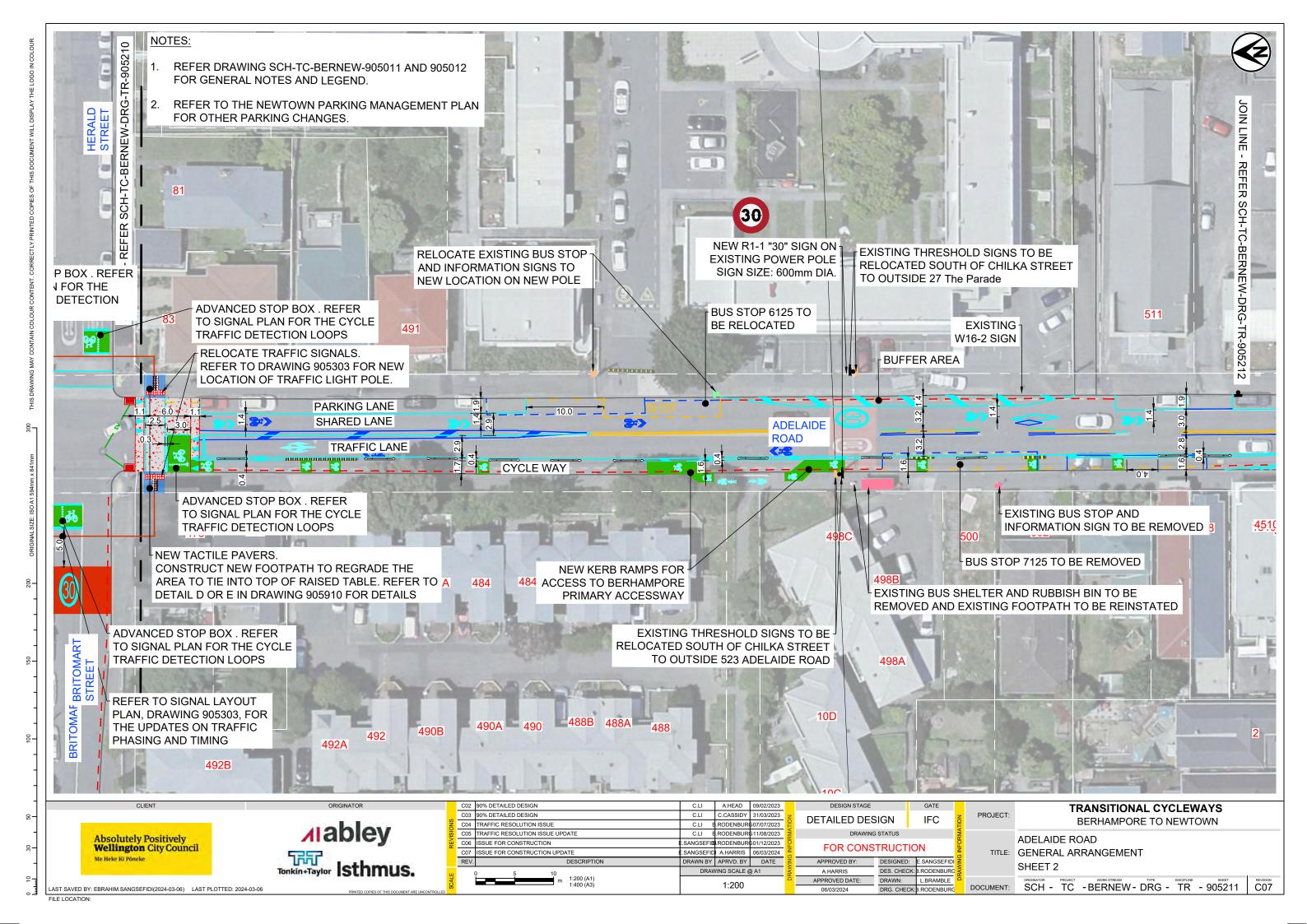


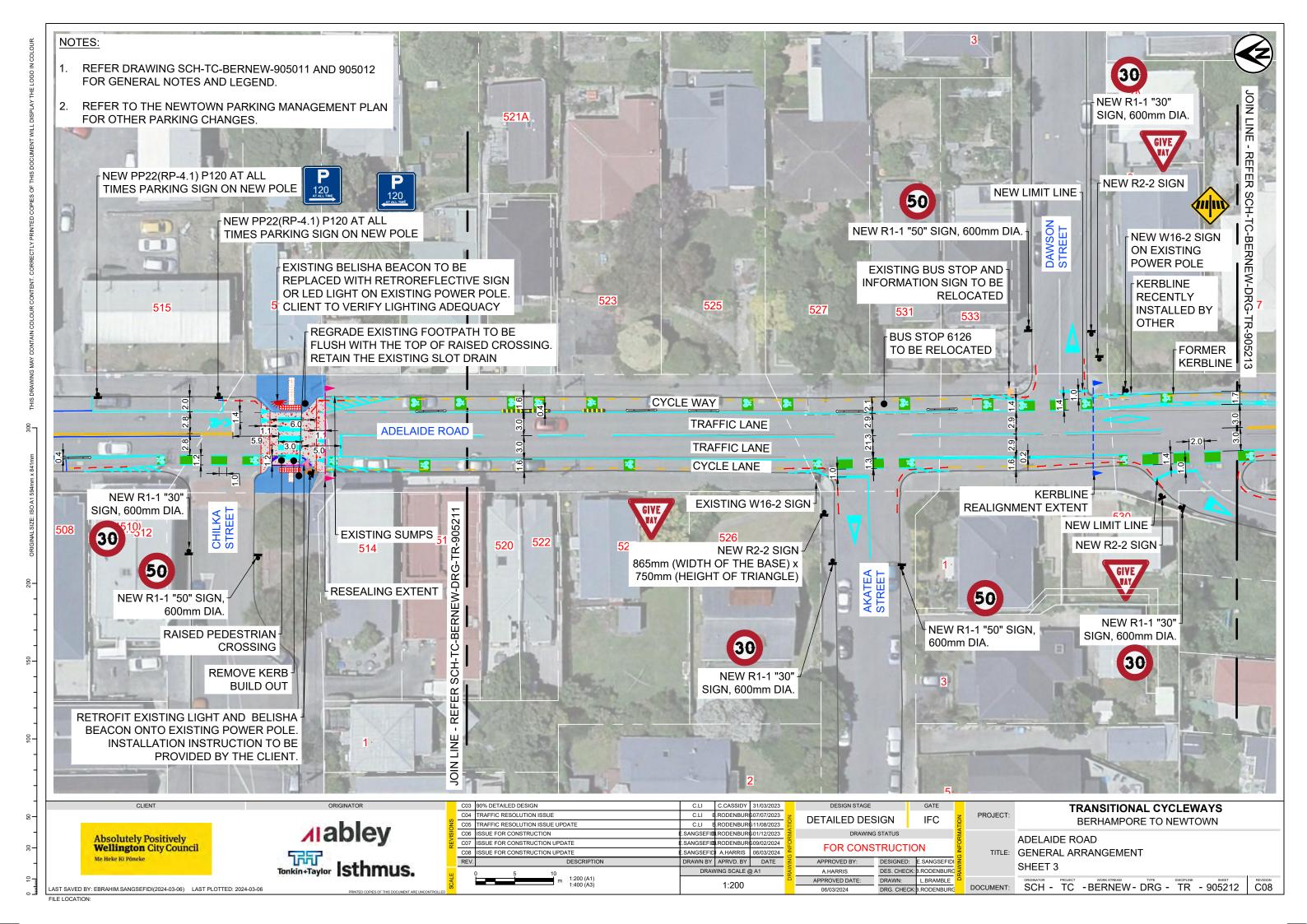


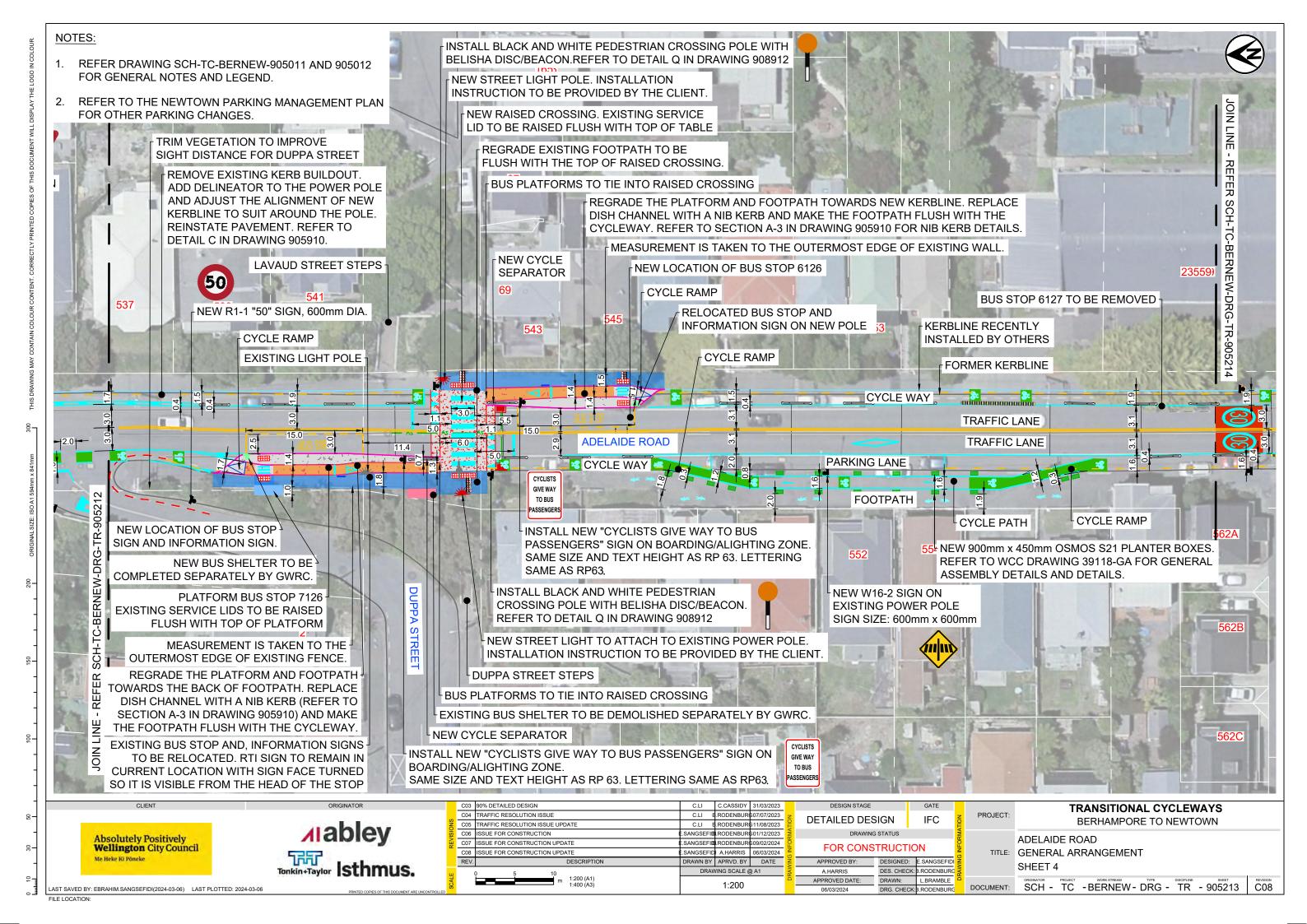


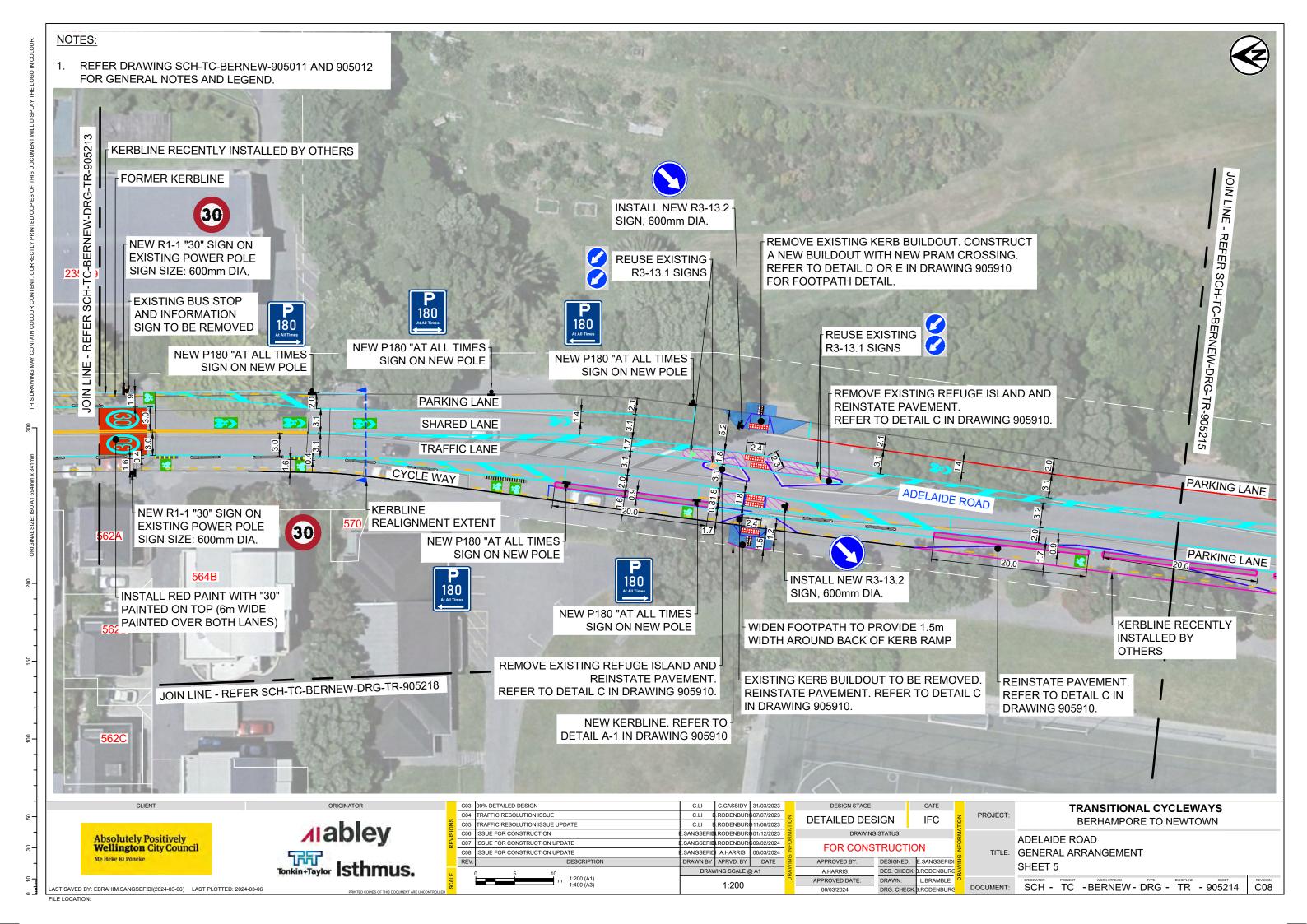


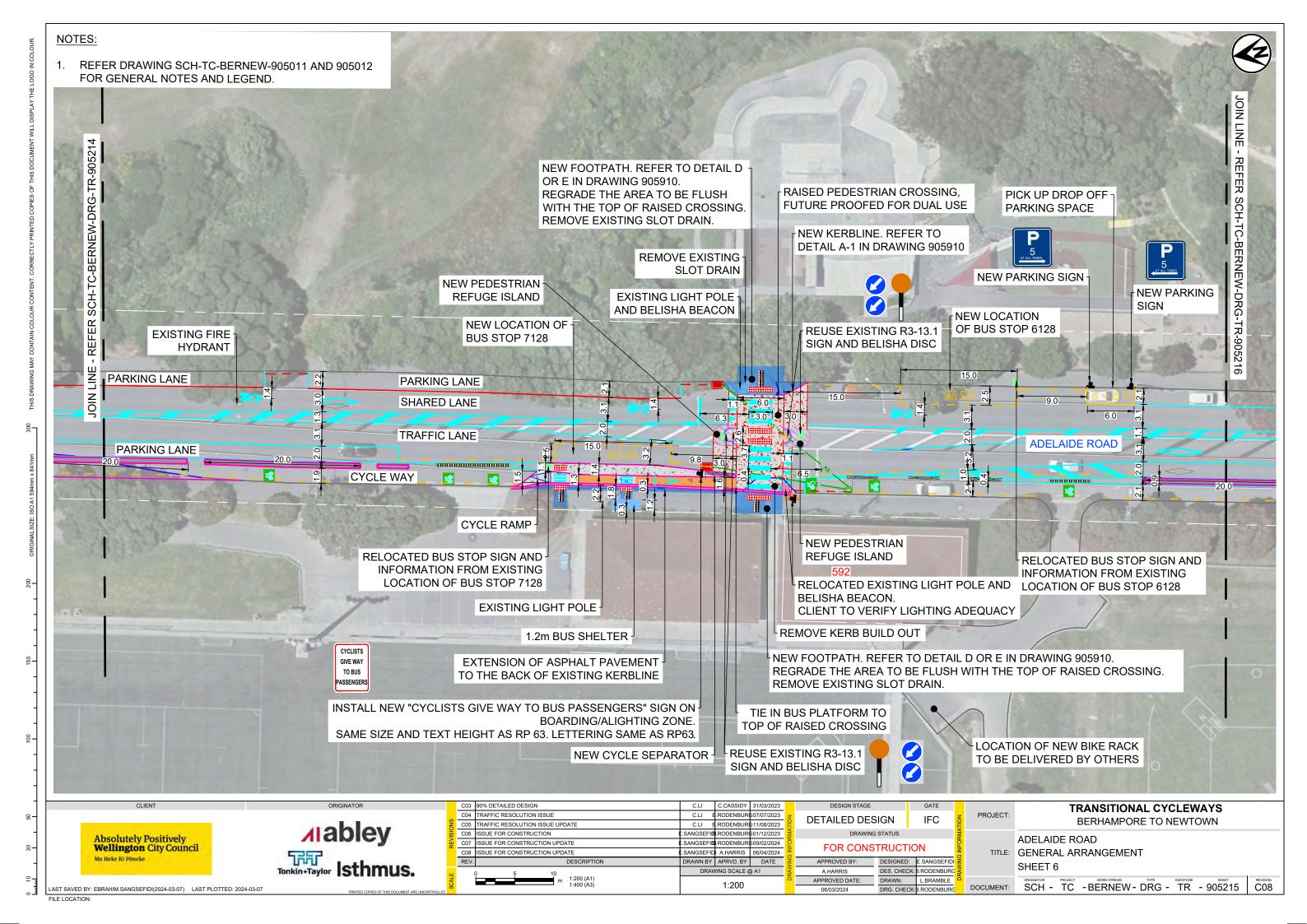


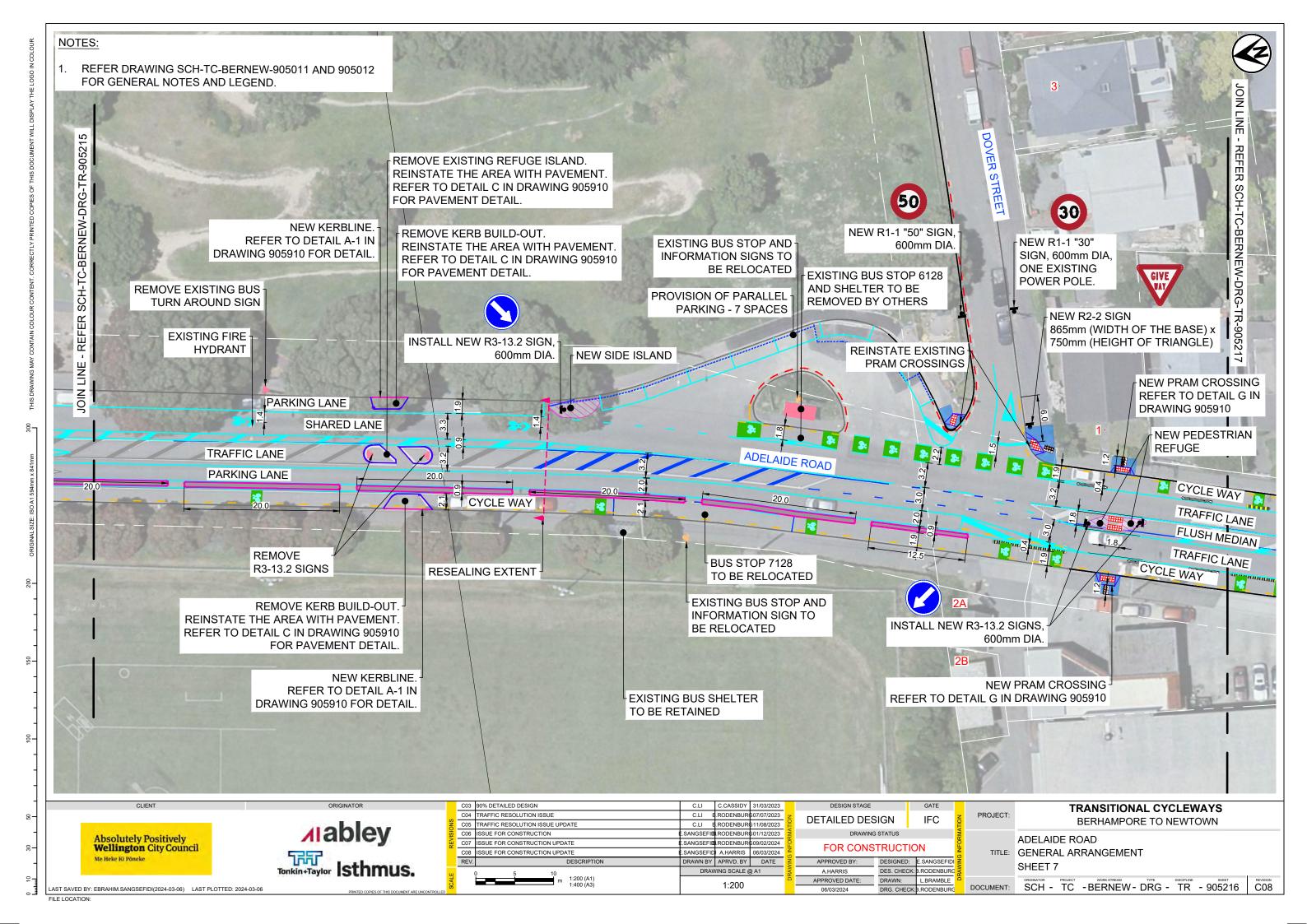


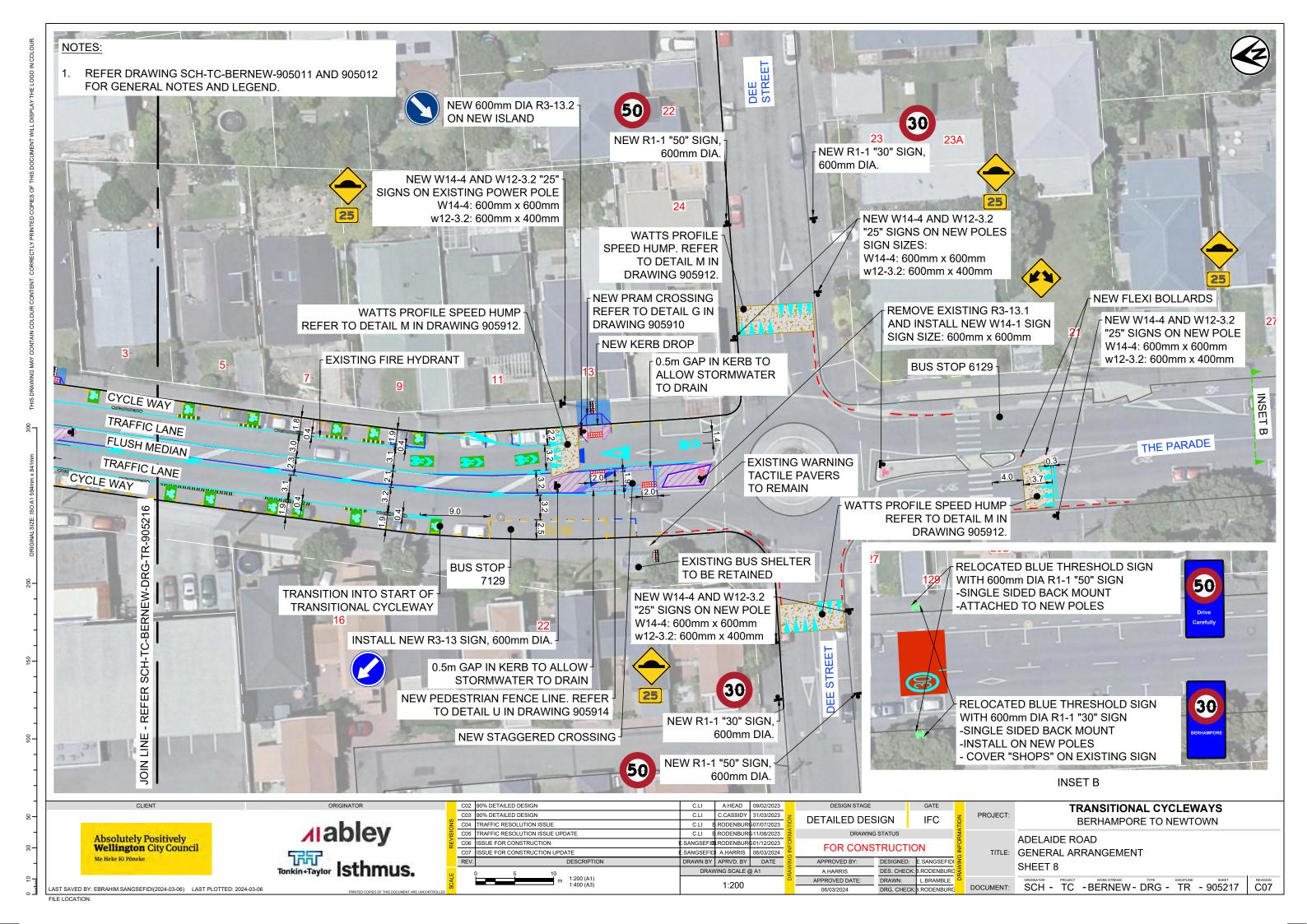


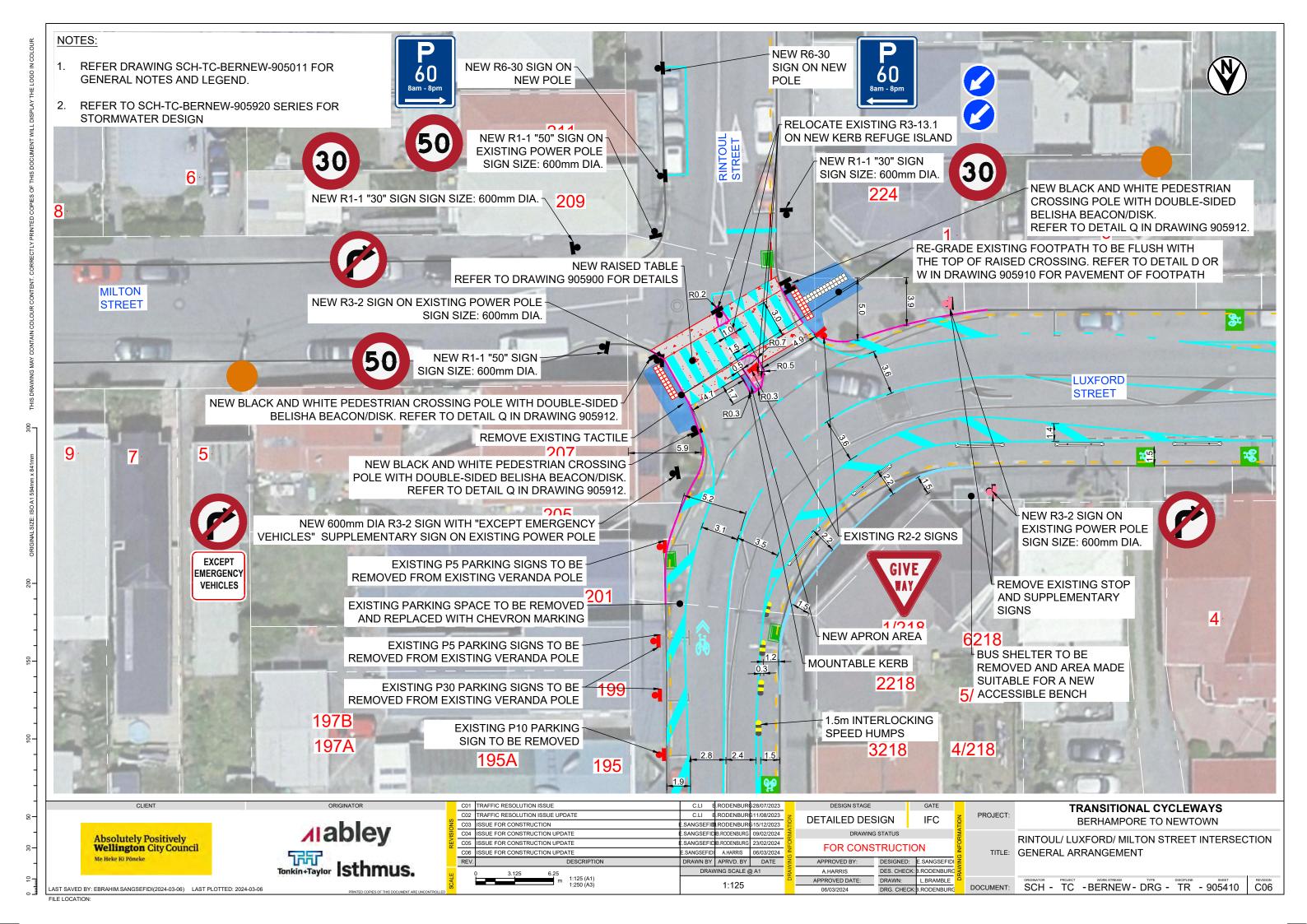


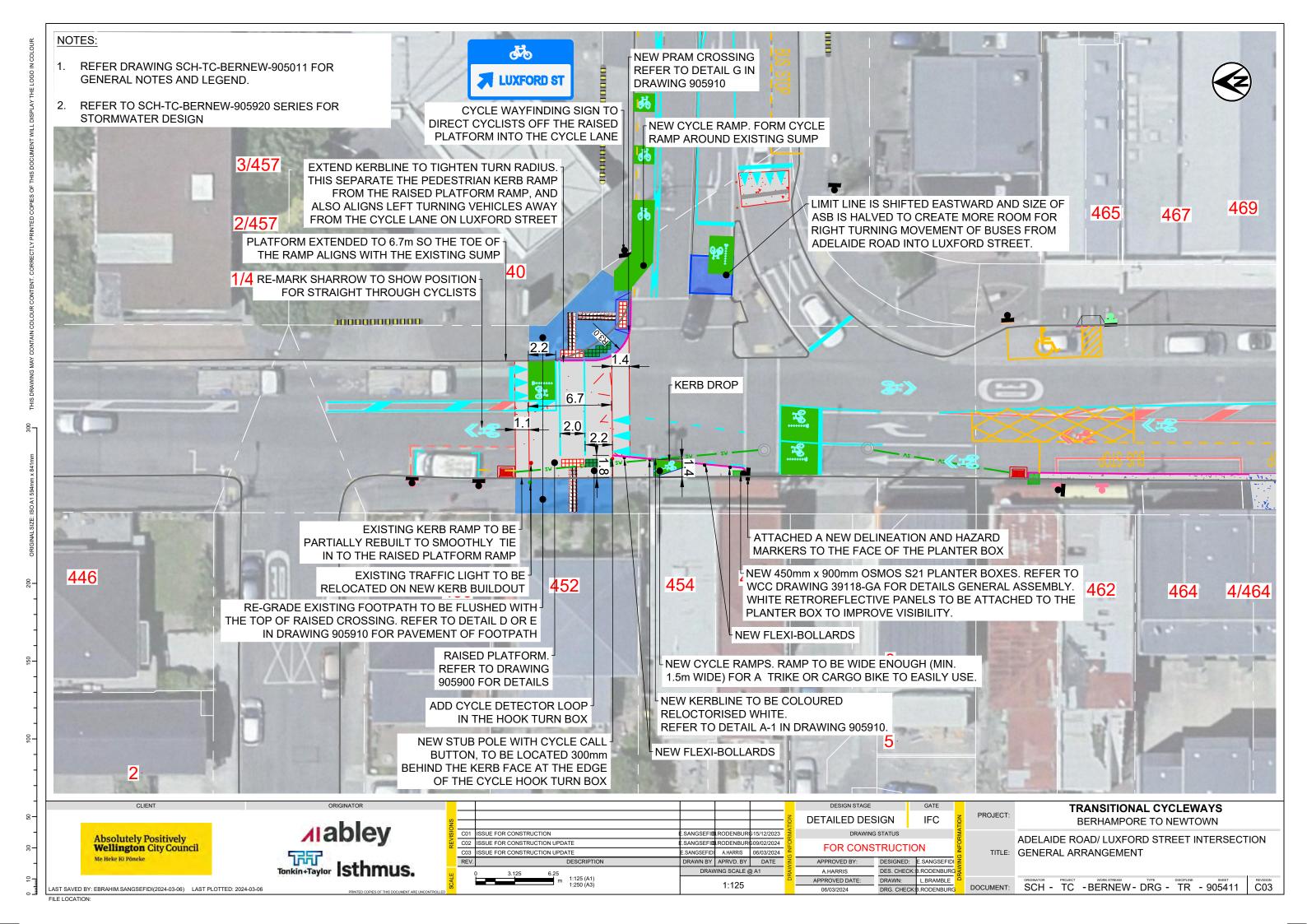








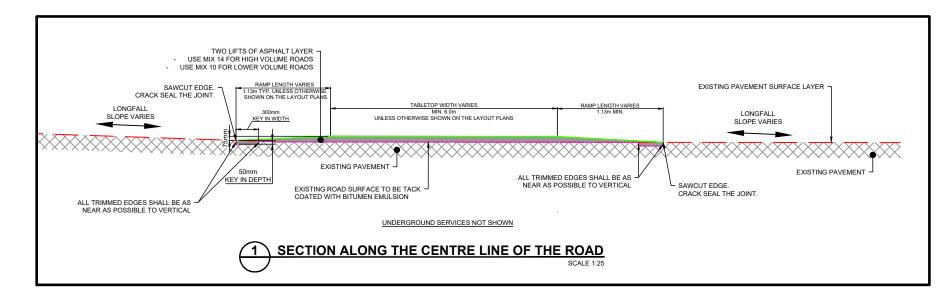




NOTE:

REFER DRAWING SCH-TC-BERNEW-DRG-TR-903011 AND 903012 FOR GENERAL NOTES AND LEGEND.

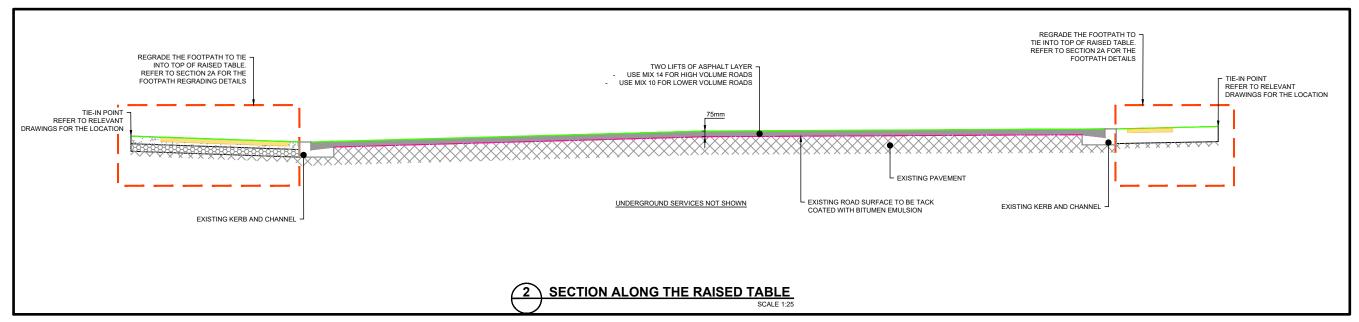
- 2. EXISTING GROUND LINE IS INDICATIVE ONLY AND THE PROPOSED LEVELS ARE RELATIVE TO THE EXISTING
- PROPOSED SPEED TABLE SHOULD BE 75mm IN HEIGHT AT CENTRE LINE. WIDTH AS SHOWN ON LAYOUT SHEETS (TYPICAL 3.0m WIDE). CONTRACTOR TO ENSURE ADEQUATE GRADING IS PROVIDED TO CHANNEL DRAIN BEFORE COMMENCING CONSTRUCTION.
- 4. CONTRACTOR SHALL CONSULT WITH SITE ENGINNER IF THE EXISTING PAVEMENT CONDITION IS INADEQUATE
- STATIC ROLLING SHALL BE USED INSTEAD OF VIBRATION ROLLING WHERE THERE IS UNDERGROUND SERVICES CLOSE TO THE SURFACE.
- NEW KERB AND CHANNEL MUST BE LAID ON 300mm (MIN.) GAP65 SUBBASE, WHERE SUBGRADE CBR>5%. IF SUBGRADE CBR<5%, THEN ROAD MUST BE UNDERCUT AND BACKFILLED WITH AN APPROVED FILLING MATERIAL. REFER TO TABLE 1 FOR SUBGRADE IMPROVEMENT REQUIREMENTS.
- APPROPRIATE DRAINAGE SHALL BE ACHIEVED ON ALL GRADING AREAS. CONTRACTOR IS RESPONSIBLE TO RESOLVE ANY IMPROPER LOW POINT WHICH IS CREATED AFTER CONSTRUCTION.
- 8. REFER TO DRAWINGS SCH-TC-KILBCO-DRG-DR-903920 SERIES FOR STORWATER DESIGN LAYOUTS.
- 9. CRACK SEAL ALL JOINTS WITH CRAFCO POLYFLEX TYPE 2 OR SIMILAR APPROVED EQUIVALENT
- 10. WHERE RE-SURFACING IS REQUIRED, MILL THE EXISTING PAVEMENT AND REPLACE IT WITH CHIPSEAL LAYERS THE MILLED SURFACE SHALL BE COMPACTED AND BROOMED OFF ANY LOOSE MATERIAL. TACK COAT SHALL BE APPLIED ALONG SIDE OF MILLED SURFACE PRIOR TO SPRAING CHIPSEAL LAYERS.

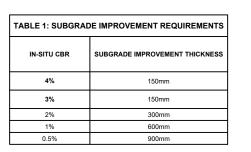


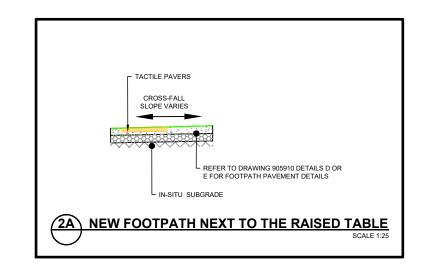
LEGEND

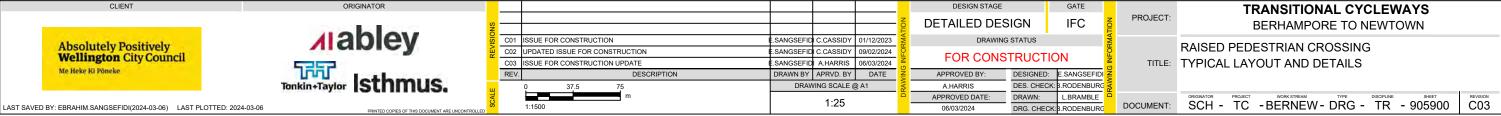
XISTING GROUND --

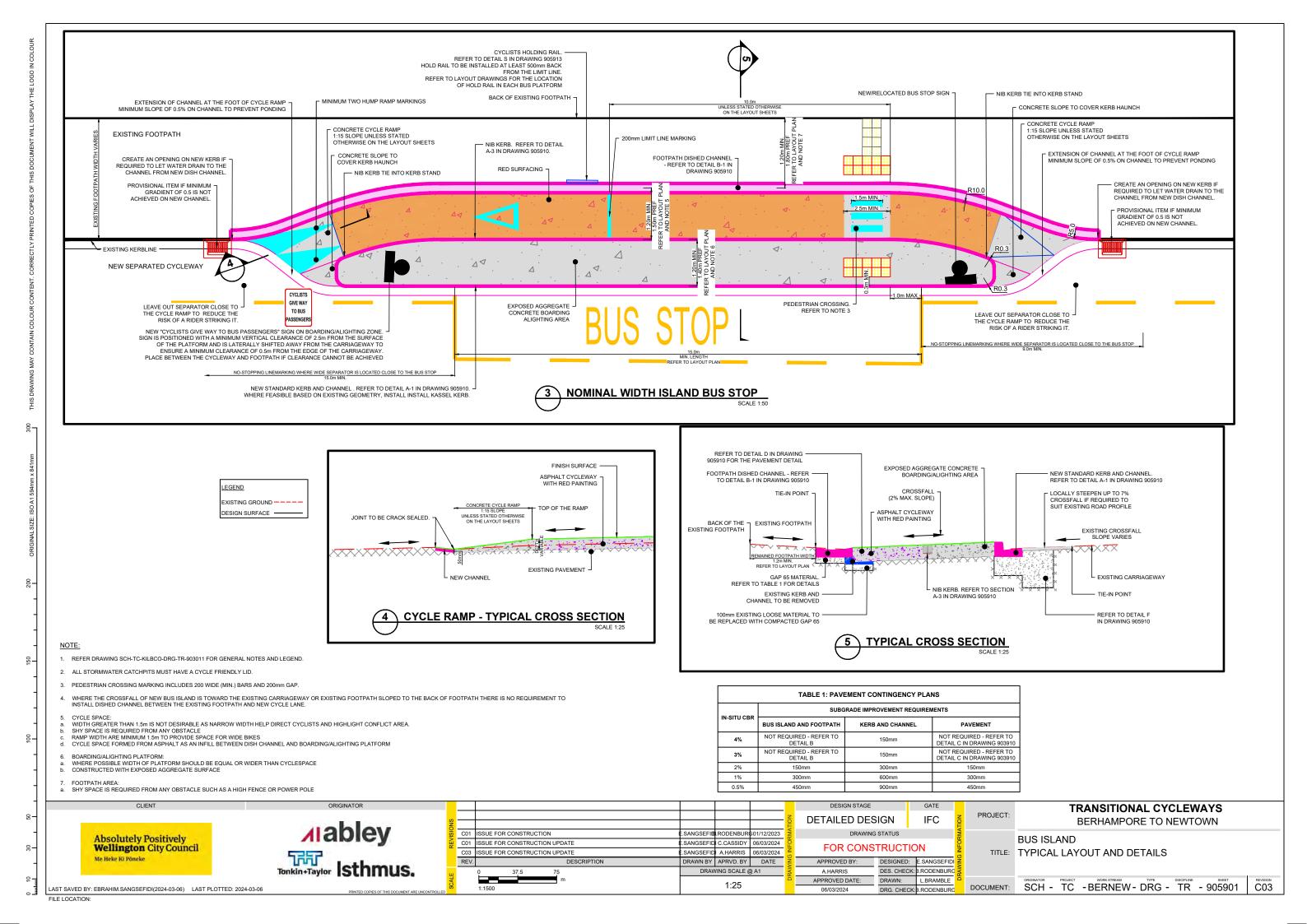
DESIGN SURFACE





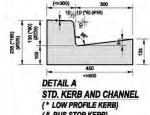






### NOTE: STANDARD KERB SHALL BE LAID ON 300mm (MIN.) GAP65 SUBBASE IN ROADS AND 100mm GAP40 IN FOOTPATHS (WHERE SUBGRADE CBR>5). IF THE SUBGRADE CBR<5 THEN ROADS AND FOOTPATH MUST BE UNDERCUT AND BACKFILLED WITH FILLING MATERIALS (REFER TO TABLE 1).

- TACTILE GROUND INDICATORS MUST BE INSTALLED IN ACCORDANCE WITH:
   NZTA RTS 14: GUIDLINE FOR FACILITIES FOR BLIND AND VISION-IMPAIRED PEDESTRIANS
- AS/NZS 1428.4:2009 DESIGN FOR ACCESS AND MOBILITY WAKA KOTAHI 20-20 TACTILE INDICATOR INSTALLATION NOTE
- 3. REFER TO WCC CODE OF PRACTICE FOR LAND DEVELOPMENT FOR TACTILE BEDDING PROPERTIES.
- 4. PRAM CROSSING RAMP AND FLARING SHOULD BE CONSTRUCTED IN CONTRASTING COLOUR / OR TEXTURE TO THE ADJACENT FOOTPATH.
- GRANULAR SUBGRADE IMPROVEMENT MATERIAL CAN BE GAP40. GAP65. OR ANY APPROPRIATE MATERIAL WITH CBR>5%. IMPROVEMENT LAYER SHALL BE COMPACTED IN LAYER (S), WITH LAYER THICKNESS BETWEEN 2.5 AND 4 TIMES OF THE NOMINAL AGGREGATE SIZE.
- EXTEND THE PAVEMENT SURFACE 300mm FOR THE TRAVERSE JOINTS AND 500mm FOR THE LONGITUDINALLY POSITIONED JOINTS. ALL JOINTS TO BE LOCATED OUTSIDE OF WHEELPATHS.



(# BUS STOP KERB) ( WIDE TOP KERB)

REFER TO PLAN NO. R-22-700 IN WCC CODE OF PRACTICE FOR LAND DEVELOPMENT FOR DETAILS

SCALE 1:10

A-1 STANDARD KERB



REFER TO PLAN NO. R-22-700 IN WCC CODE OF PRACTICE FOR LAND DEVELOPMENT FOR DETAILS

**MOUNTABLE KERB** 



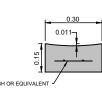
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**NIB KERB** 

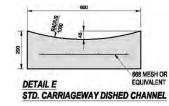
DETAIL H

SCALE 1:10

Grade Conversion

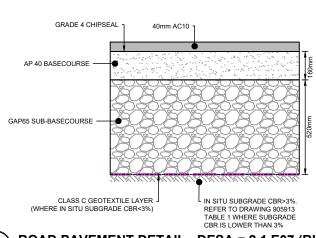


**FOOTPATH DISHED CHANNEL** 



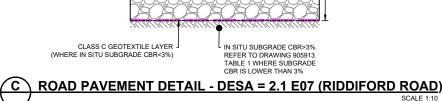
REFER TO PLAN NO. R-45-702 IN WCC CODE OF PRACTICE FOR LAND DEVELOPMENT FOR DETAILS

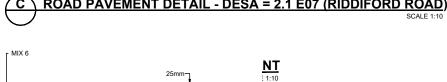
**CARRIAGEWAY DISHED CHANNEL** 

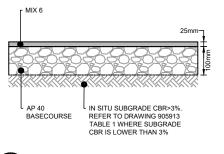


NEW PAVEMENT STRUCTURE SURFACING LAYER
AC SUBGRADE TO BE COMPLIANT WITH THE WCC
CODE OF PRACTISE FOR LAND DEVELOPMENT

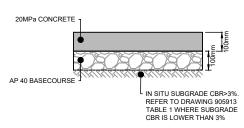
<u>C-1 PAVEMENT JOINTS</u>



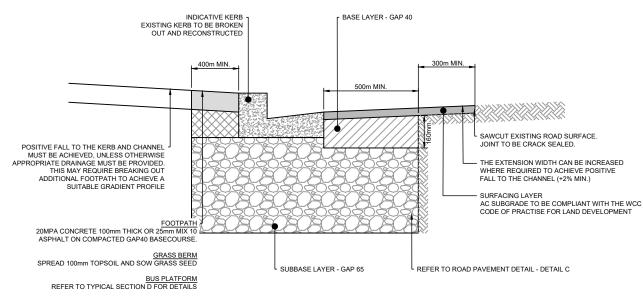


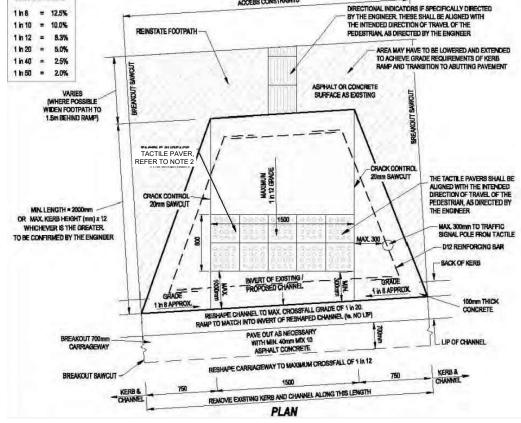








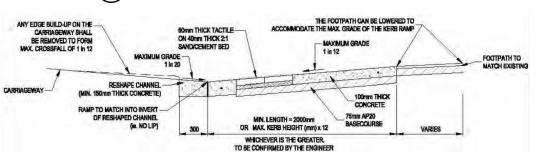




OHECK THIS AREA FOR ACCESS CONSTRAINTS

REFER TO PLAN NO. R-24-727 IN WCC CODE OF PRACTICE FOR LAND DEVELOPMENT FOR DETAILS

## **PEDESTRIAN RAMP WITH TACTILE PAVERS - PLAN**



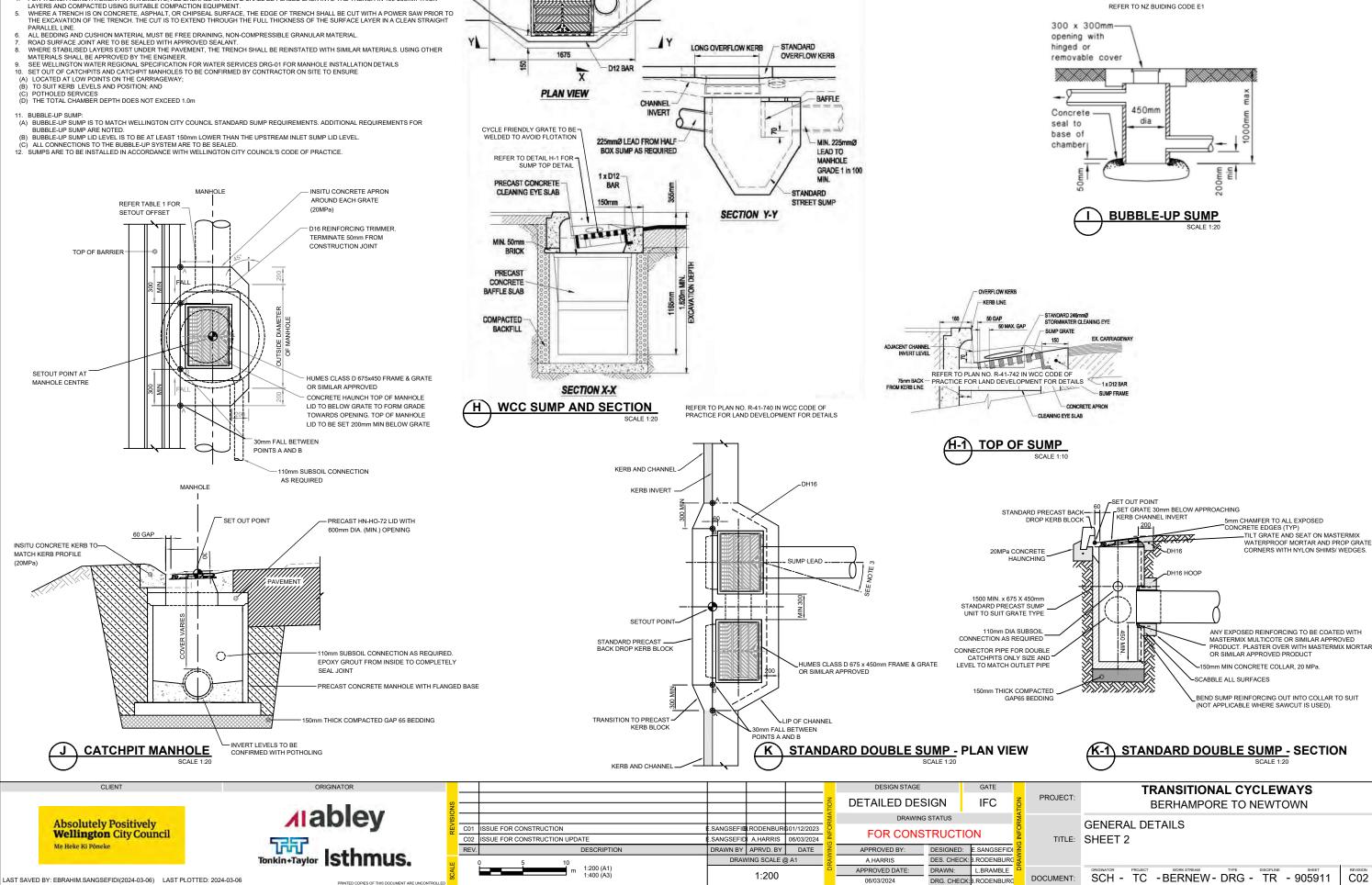
REFER TO PLAN NO. R-24-727 IN WCC CODE OF (G-1) PEDESTRIAN RAMP WITH TACTILE PAVERS - SECTION

## KERB AND CHANNEL AND KERB ONLY REPLACEMENT

DESIGN STAGE GATE TRANSITIONAL CYCLEWAYS



- APPROVED CYCLE FRIENDLY GRATE SHALL BE USED. THE APRON OF THE CATCHPIT MUST BE RESHAPED TO FOLLOW EXISTING ROAD SURFACE GRADING AND THE FRAME MUST NOT BE MORE THAN 5mm BELOW THE LEVEL OF THE ROAD.
  WHERE EXISTING SERVICES ARE DAMAGED AS A RESULT OF TRENCHING WORK, CONTRACTOR SHALL IMMEDIATELY ADVISE ENGINEER ON
- WHERE EXISTING SERVICES ARE DAMAGED SERVICE TO ARRANGE FOR REPAIRS TO BE CARRIED OUT ON SHALL IMMEDIATELY ADVISE ENGINEER ON SITE AND THE OWNER OF THE DAMAGED SERVICE TO ARRANGE FOR REPAIRS TO BE CARRIED OUT ON CONTRACTORS COST BEFORE BACKFILLING. IT IS THE CONTRACTOR RESPONSIBILITY TO IDENTIFY THE EXISTING UNDERGROUND SERVICES BEFORE TRENCHING WORKS. SELECTED FILL MATERIAL IS GENERALLY AP40 OR AP65, BUT IT MAY DIFFER IN CERTAIN AREAS IN ACCORDANCE WITH RCA OR OTHER REQUIREMENTS
  FOR TRENCH REINSTATEMENT IN PAVEMENTS, ALL BACKFILL MATERIAL SHALL BE PLACED BACK INTO THE TRENCH IN 100-200mm THICK



STANDARD

OVERFLOW

REFER TO NZ BUIDING CODE E1

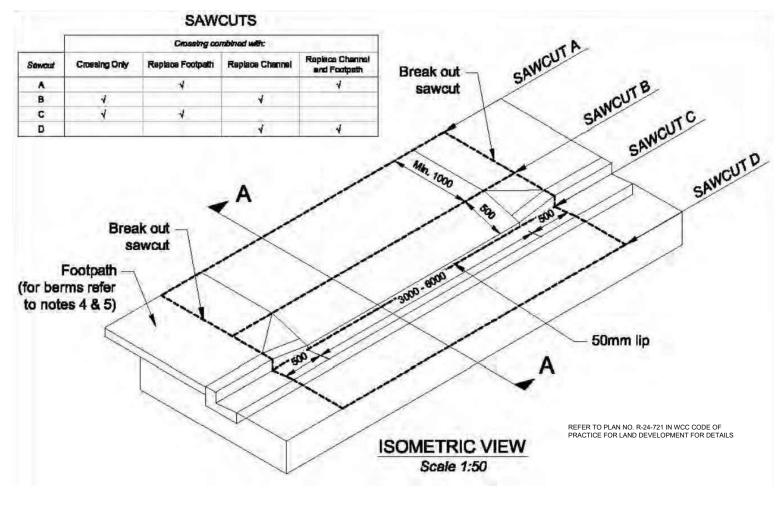
KERB

-CYCLE FRIENDLY GRATE

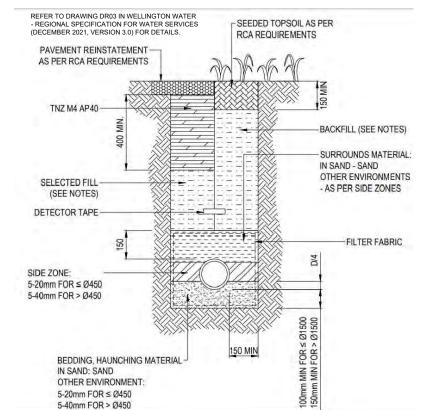
STANDARD KERR

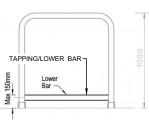
AND CHANNEL

TABLE 1: PAVEMENT CONTINGENCY PLANS								
IN OUTU ODD	SUBGRADE IMPROVEMENT REQUIREMENTS							
IN-SITU CBR	BUS ISLAND AND FOOTPATH	KERB AND CHANNEL	PAVEMENT					
4%	NOT REQUIRED - REFER TO DETAIL B	150mm	NOT REQUIRED - REFER TO DETAIL C IN DRAWING 903910					
3%	NOT REQUIRED - REFER TO DETAIL B	150mm	NOT REQUIRED - REFER TO DETAIL C IN DRAWING 903910					
2%	150mm	300mm	150mm					
1%	300mm	600mm	300mm					
0.50/	450	000	450					



VEHICLE CROSSING

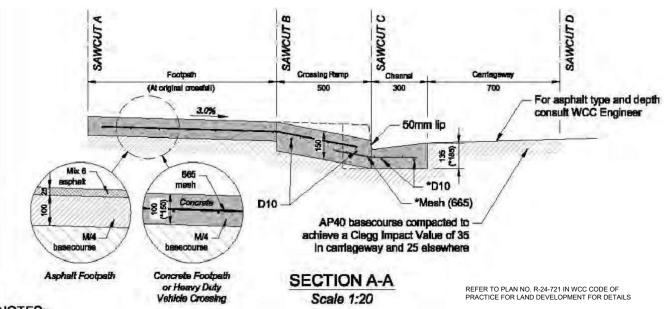




REFER TO PEDESTRIAN NETWORK GUIDANCE FOR MORE DETAILS

S HOLD RAIL
SCALE 1:20

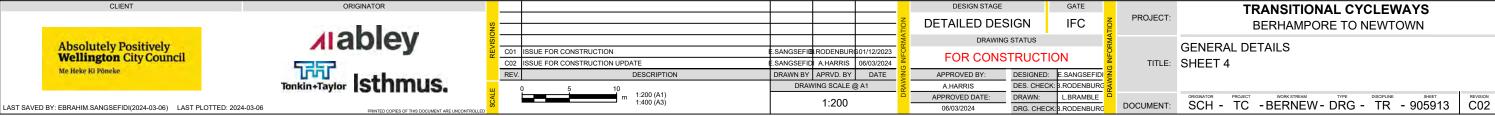
R TYPICAL RIGID PIPE TRENCH REINSTATEMENT DETAIL



### NOTES:

- 1) WHERE KERB HEIGHT EXCEEDS 135mm REFER TO ENGINEER.
- 2) 20 MPa (80 -120 SLUMP) CONCRETE WITH LIGHTLY BROOMED FINISHED.
- 3) SOFT SUBSOILS TO BE UNDERCUT BY 200mm AND FILLED WITH COMPACTED BASECOURSE.
- 4) CROSSING DETAILS SHOWN ALSO APPLY WHERE NO PUBLIC FOOTHPATH EXISTS.
  5) WHERE A GRASS BERM SEPARATES THE FOOTPATH FROM THE KERB, THE CROSSING RAMP SHALL
- EXTEND FROM THE KERBLINE TO THE EDGE OF THE ADJACENT FOOTPATH, OR 500mm, WHICHEVER THE GREATER. THE SPLAY LENGTH ALONG THE KERBLINE EITHER SIDE OF THE CROSSING SHALL BE 500mm.
- 6)\* REFERS TO HEAVY DUTY VEHICLE CROSSINGS

## VEHICLE CROSSING - SECTION A-A SCALE 1:10



30 50

FILE LOCATION

