

TRANSITIONAL CYCLEWAYS



KILBIRNIE CONNECTIONS ISSUE FOR CONSTRUCTION 19/06/2023

TRANSITIONAL CYCLEWAY

KILBIRNIE
ISSUE FOR CONSTRUCTION

DRAWING

Rev Title

GENERAL

- SCH-TC-KILBCO-DRG-TR-903000
- SCH-TC-KILBCO-DRG-TR-903010
- SCH-TC-KILBCO-DRG-TR-903011
- SCH-TC-KILBCO-DRG-TR-903012

- C04 PROJECT COVERSHEET
- C04 DRAWING LIST/ KEY PLAN
- C04 GENERAL NOTES/ LEGEND
- C01 ROAD MARKINGS SPECIFICATIONS

ONEPU ROAD SECTION

- SCH-TC-KILBCO-DRG-TR-903100
- SCH-TC-KILBCO-DRG-TR-903110
- SCH-TC-KILBCO-DRG-TR-903111
- SCH-TC-KILBCO-DRG-TR-903112
- SCH-TC-KILBCO-DRG-TR-903113
- SCH-TC-KILBCO-DRG-TR-903114
- SCH-TC-KILBCO-DRG-TR-903115
- SCH-TC-KILBCO-DRG-TR-903116
- SCH-TC-KILBCO-DRG-TR-903117
- SCH-TC-KILBCO-DRG-TR-903118

- C04 SECTION COVERSHEET
- C04 GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 1
- C05 GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 2
- C05 GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 3
- C04 GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 4
- C04 GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 5
- C05 GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 6
- C05 GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 7
- C04 GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 8
- C05 GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 9

TACY STREET SECTION

- SCH-TC-KILBCO-DRG-TR-903200
- SCH-TC-KILBCO-DRG-TR-903210
- SCH-TC-KILBCO-DRG-TR-903211
- SCH-TC-KILBCO-DRG-TR-903212
- SCH-TC-KILBCO-DRG-TR-903213

- C04 SECTION COVERSHEET
- C05 GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 1
- C05 GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 2
- C04 GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 3
- C04 GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 4

COUTTS STREET | TIRANGI ROAD SECTION

- SCH-TC-KILBCO-DRG-TR-903300
- SCH-TC-KILBCO-DRG-TR-903310
- SCH-TC-KILBCO-DRG-TR-903311
- SCH-TC-KILBCO-DRG-TR-903312
- SCH-TC-KILBCO-DRG-TR-903313
- SCH-TC-KILBCO-DRG-TR-903314
- SCH-TC-KILBCO-DRG-TR-903315

- C04 SECTION COVERSHEET
- C04 GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 1
- C05 GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 2
- C04 GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 3
- C04 GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 4
- C04 GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 5
- C05 GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 6

LYALL PARADE SECTION

- SCH-TC-KILBCO-DRG-TR-903400
- SCH-TC-KILBCO-DRG-TR-903410
- SCH-TC-KILBCO-DRG-TR-903411
- SCH-TC-KILBCO-DRG-TR-903412
- SCH-TC-KILBCO-DRG-TR-903413
- SCH-TC-KILBCO-DRG-TR-903414

- C02 SECTION COVERSHEET
- C02 LYALL PARADE - SHEET 1
- C02 LYALL PARADE - SHEET 2
- C02 LYALL PARADE - SHEET 3
- C02 LYALL PARADE - SHEET 4
- C02 LYALL PARADE - SHEET 5

SIGNAL DESIGN PLAN

- SCH-TC-KILBCO-DRG-TR-903500

- C01 COUTTS/ ONEPU ROAD INTERSECTION - SIGNAL LAYOUT PLAN

TYPICAL LAYOUT AND DETAILS

- SCH-TC-KILBCO-DRG-TR-903900
- SCH-TC-KILBCO-DRG-TR-903901
- SCH-TC-KILBCO-DRG-TR-903902

- C01 RAISED PEDESTRIAN CROSSING - TYPICAL LAYOUT AND DETAILS
- C01 BUS ISLAND - TYPICAL LAYOUT AND DETAILS
- C01 BUS ISLAND - TYPICAL LAYOUT AND DETAILS

ROAD DETAILS

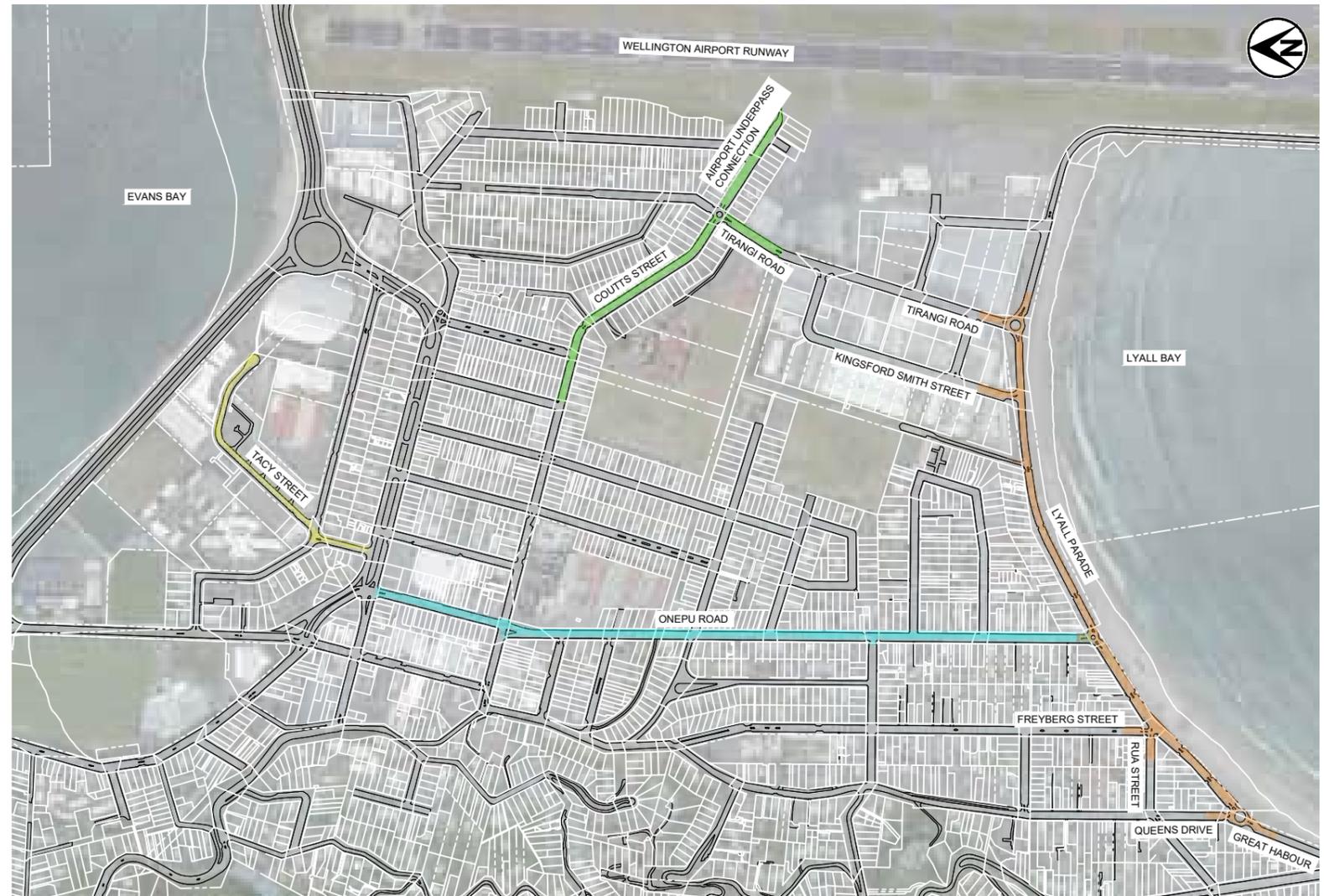
- SCH-TC-KILBCO-DRG-TR-903910
- SCH-TC-KILBCO-DRG-TR-903911
- SCH-TC-KILBCO-DRG-TR-903912
- SCH-TC-KILBCO-DRG-TR-903913

- C01 GENERAL DETAILS - SHEET 1
- C01 GENERAL DETAILS - SHEET 2
- C01 GENERAL DETAILS - SHEET 3
- C01 GENERAL DETAILS - SHEET 4

STORMWATER DESIGN

- SCH-TC-KILBCO-DRG-TR-903920
- SCH-TC-KILBCO-DRG-TR-903921
- SCH-TC-KILBCO-DRG-TR-903922
- SCH-TC-KILBCO-DRG-TR-903923
- SCH-TC-KILBCO-DRG-TR-903924
- SCH-TC-KILBCO-DRG-TR-903925
- SCH-TC-KILBCO-DRG-TR-903926
- SCH-TC-KILBCO-DRG-TR-903927
- SCH-TC-KILBCO-DRG-TR-903928
- SCH-TC-KILBCO-DRG-TR-903929

- C01 ONEPU ROAD - SERVICE PLAN - SHEET 1
- C01 ONEPU ROAD - SERVICE PLAN - SHEET 2
- C01 ONEPU ROAD - SERVICE PLAN - SHEET 3
- C01 ONEPU ROAD - SERVICE PLAN - SHEET 4
- C01 ONEPU ROAD - SERVICE PLAN - SHEET 5
- C01 ONEPU ROAD - SERVICE PLAN - SHEET 6
- C01 TACY STREET - SERVICE PLAN
- C01 COUTTS STREET - SERVICE PLAN - SHEET 1
- C01 COUTTS STREET - SERVICE PLAN - SHEET 2
- C01 TIRANGI ROAD - SERVICE PLAN



PROJECT OVERVIEW PLAN
SCALE 1:5000



CLIENT

ORIGINATOR



REV.	DESCRIPTION	DRAWN BY	APPRVD. BY	DATE
C01	30% DETAILED DESIGN	C.LI	A.HEAD	30/09/2022
C02	90% DETAILED DESIGN	E.SANGSEFIDI	A.HEAD	09/12/2022
C03	TRAFFIC RESOLUTION ISSUE	E.SANGSEFIDI	A.HEAD	10/02/2023
C04	ISSUE FOR CONSTRUCTION	E.SANGSEFIDI	A.HEAD	19/06/2023

DRAWING SCALE:	
0	125 250
1:5000	

DESIGN STAGE	GATE
DETAILED DESIGN	IFC

DRAWING STATUS		
FOR CONSTRUCTION		
APPROVED BY:	DESIGNED:	E.SANGSEFIDI
A.HEAD	DES. CHECK:	A.HEAD
APPROVED DATE:	DRAWN:	E.SANGSEFIDI
19/06/2023	DRG. CHECK:	J.BOSCH

PROJECT:	TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS	
TITLE:	DRAWING LIST & KEY PLAN	
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903010	C04

THIS DRAWING MAY CONTAIN COLOUR CONTENT. CORRECTLY PRINTED COPIES OF THIS DOCUMENT WILL DISPLAY THE LOGO IN COLOUR.

ORIGINAL SIZE: ISO A1 594mm x 841mm

200

150

100

50

30

10

GENERAL NOTES

- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
AERIAL PHOTO SOURCED FROM LINZ DATA SERVICE
CONTOURS SOURCED FROM WELLINGTON CITY COUNCIL
PROPERTY BOUNDARIES SOURCED FROM LINZ DATA SERVICE
WATER SERVICES SOURCED FROM WELLINGTON WATERS
EXISTING KERB LINE SOURCED FROM WELLINGTON CITY COUNCIL
EXISTING KERB LINE UPDATED LOCALLY AS PER AERIAL IMAGE.
ALL NOTES SHOWN HEREIN SHALL FORM PART OF THE CONTRACT.
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.
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.
ALL CROSS REFERENCES TO STANDARD ENGINEERING DETAIL DRAWINGS AND WAKA KOTAHU 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.
COMMON SENSE SHALL BE APPLIED WHEN LOCATING SIGN POLES.
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.
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
STANDARD FOOTPATHS ARE TO BE CONSTRUCTED WITH ASPHALT IN ACCORDANCE WITH THE STANDARD DETAIL DRAWING WITH SURFACE FINISHES COMPLIANT WITH NZS 3114, UNLESS OTHERWISE SPECIFIED
ALL NEW FOOTPATH CONSTRUCTION MUST INCLUDE BUT NOT LIMIT TO STITCHING BARS AROUND MANHOLE CHAMBERS, VALVES, HYDRANTS AND LIGHT FIXTURES 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 33% (1:3) TO AVOID LANDSLIDING AND 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. ONLY PRAM CROSSINGS AT SIGNALISED AND ZEBRA CONTROLLED PEDESTRIAN CROSSINGS SHALL HAVE APPROVED TACTILE CONCRETE PAVERS IN ACCORDANCE WITH RTS14 STANDARD. OTHER FORMS OF TACTILE WARNING INDICATORS ARE NOT PERMITTED UNLESS PRIOR APPROVAL BY THE ENGINEER.
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.
NEW PARKING SEPARATORS SHALL BE FIBRE REINFORCED CONCRETE CONSTRUCTED IN ACCORDANCE WITH THE KERB AND CHANNEL SPECIFICATIONS IN SECTION C.2.4 OF THE WCC COP-LD.

- 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.
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SUBSOIL DRAINAGE TO BE CONSTRUCTED IN ACCORDANCE WITH WCC CODE OF PRACTICE FOR LAND DEVELOPMENT DRAWING R-39-749 UNDER ALL NEW CHANNEL CONSTRUCTION
STANDARD FOOTPATHS ARE TO BE CONSTRUCTED WITH ASPHALT IN ACCORDANCE WITH THE STANDARD DETAIL DRAWING WITH SURFACE FINISHES COMPLIANT WITH NZS 3114, UNLESS OTHERWISE SPECIFIED
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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 33% (1:3) TO AVOID LANDSLIDING AND 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. ONLY PRAM CROSSINGS AT SIGNALISED AND ZEBRA CONTROLLED PEDESTRIAN CROSSINGS SHALL HAVE APPROVED TACTILE CONCRETE PAVERS IN ACCORDANCE WITH RTS14 STANDARD. OTHER FORMS OF TACTILE WARNING INDICATORS ARE NOT PERMITTED UNLESS PRIOR APPROVAL BY THE ENGINEER.
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.
NEW PARKING SEPARATORS 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
REFER TO TARGETED IMPROVEMENTS PROJECT FOR WAYFINDING SIGNAGE.
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 LONG
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
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 AT 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
IN RURAL AREAS
A DESIRABLE MINIMUM OF 500 mm FROM KERB FACE WHERE KERBS ARE PRESENT, OR
600mm FROM OUTER EDGE OF THE ROAD SHOULDER WHERE KERBS ARE NOT PRESENTED
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 MARKINGS (MOTSAM) AND TRAFFIC CONTROL DEVICES (TCD)
THE BOTTOM OF THE DISPLAY CABINET SHALL BE MOUNTED 3 m ABOVE GROUND LEVEL UNLESS OTHERWISE AGREED WITH RCA.
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° (NO GREATER THAN 10°) 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 TO LOCATE 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, AUSTRROADS 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 B/6 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

Table with 2 columns: Symbol/Color and Description. Includes items like PARCEL BOUNDARY, HOUSE EXTENT, PLOT NUMBER, KERB - EXISTING, KERB - NEW, KERB - TO BE REMOVED, NEW WHITE ROAD MARKING, NEW WHITE DASH ROAD MARKING, NO-STOPPING LINE, NO-PASSING LINE, EXISTING CONTINUOUS ROAD MARKING - TO BE REMOVED, EXISTING DASH ROAD MARKING - TO BE REMOVED, DESIGN DELIVERED BY OTHERS, INDICATIVE CYCLE TRAVEL PATH, CYCLEWAY HATCHING ON TOP OF BUS PLATFORM, TARGET IMPROVEMENT PROJECT, AKAU TANGI SHARED PATH, NEW FOOTPATH, NEW REMOVABLE / FLEXI BOLLARD, INTERLOCKING SPEED HUMP - 50mm HIGH, ROAD MARKING CYCLE, ROAD MARKING GIVE WAY - WHITE, ROAD MARKING WARNING - WHITE, ROAD MARKING PEDESTRIAN CROSSING - WHITE, ROAD MARKING DRAGONS TOOTH - WHITE, ROAD MARKING SHARROW - WHITE, 1.2m CYCLE HOLD BAR WITH TAPPING RAIL, CYCLE LANE MARKING AT INTERSECTION WITH SIDE ROADS, EXISTING SUMP TO BE REMOVED, NEW SUMP, EXISTING SUMP, BUBBLE-UP SUMP, PROPOSED STORMWATER DESIGN, PROPOSED ELECTRICITY DESIGN, INDICATIVE EXISTING STORMWATER LINE, INDICATIVE EXISTING HIGH VOLTAGE LINE, INDICATIVE EXISTING LOW VOLTAGE LINE, INDICATIVE EXISTING GAS LINE, INDICATIVE EXISTING COMMS LINE, INDICATIVE FIRE PIPE, INDICATIVE UNKNOWN UTILITY, INDICATIVE EXISTING RETICULATED WATER LINE, INDICATIVE EXISTING WASTEWATER LINE, INDICATIVE POTHOLING LOCATIONS.

Client: Abley, Originator: Isthmus. Revisions table with columns: REV, DESCRIPTION, DRAWN BY, APRVD. BY, DATE. Design Stage: DETAILED DESIGN, Gate: IFC. Drawing Status: FOR CONSTRUCTION. Approved by: A.HEAD, 19/06/2023. Designed by: E.SANGSEFID, 19/06/2023. Drawn by: E.SANGSEFID, 19/06/2023. Checked by: J.BOSCH. Project: TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS. Title: GENERAL NOTES & LEGEND. Document: SCH - TC - KILBCO - DRG - TR - 903011. Revision: C04.

ROAD MARKINGS SPECIFICATIONS				
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 DEVICE 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		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		BS	YELLOW, REFLECTORISED PAINT	TRAFFIC CONTROL DEVICES MANUAL (TCD MANUAL) - PART 13: PARKING CONTROL
"BUS STOP" TEXT		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		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		SHS	WHITE, REFLECTORISED PAINT	SHARROW MARKINGS, BEST PRACTICE GUIDANCE NOTE - 2016
CYCLE SYMBOL WITH GREEN BACKGROUND		CSGB	WHITE, REFLECTORISED PAINT FOR CYCLE SYMBOLS, 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		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		FM	WHITE, REFLECTORISED PAINT	TRAFFIC CONTROL DEVICE MANUAL, PART 5: TRAFFIC CONTROL DEVICES FOR GENERAL USE - BETWEEN INTERSECTIONS REFER TO TCD, PART 5 - TREATMENT FOR STRAIGHT - GENERAL DELINEATION, TABLE 2.9 FOR BAR SPACING REQUIREMENT
PEDESTRIAN CROSSING		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		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		KC-CH	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		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 1850mm

<p>CLIENT</p> 	<p>ORIGINATOR</p> 
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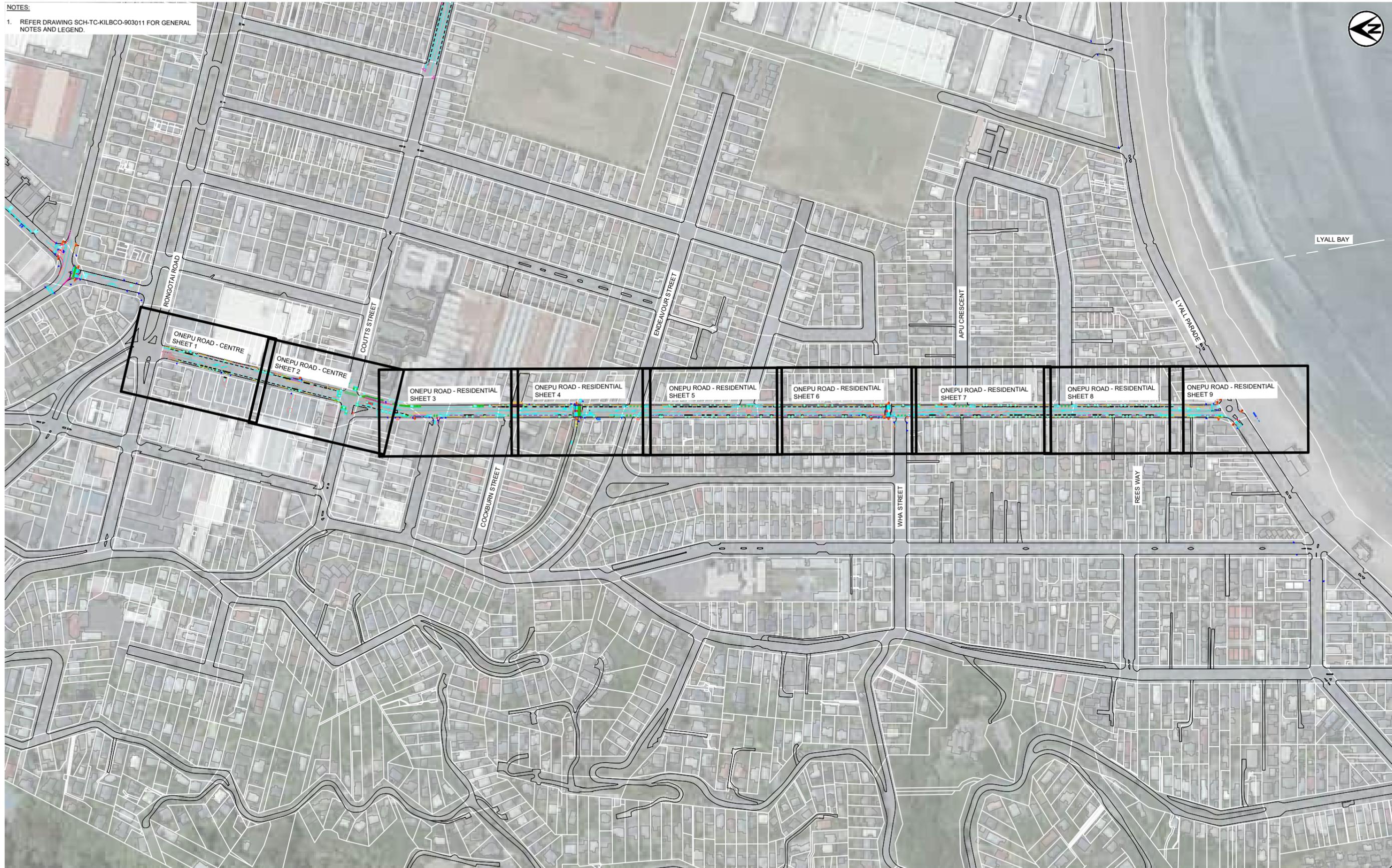
REV.	DESCRIPTION	DRAWN BY	APRVD. BY	DATE
C01	ISSUE FOR CONSTRUCTION	E.SANGSEFID	A.HEAD	19/06/2023
DRAWING SCALE: N.T.S				

DESIGN STAGE	GATE
DETAILED DESIGN	IFC
DRAWING STATUS	
FOR CONSTRUCTION	
APPROVED BY:	DESIGNED:
A.HEAD	E.SANGSEFID
APPROVED DATE:	DES. CHECK:
19/06/2023	A.HEAD
	DRAWN:
	E.SANGSEFID
	DRG. CHECK:
	J.BOSCH

PROJECT:	TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS	
TITLE:	ROAD MARKINGS SPECIFICATIONS	
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903012	C01

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NOTES:
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CLIENT: **Wairarapa District Council**

ORIGINATOR: **Abley** and **Isthmus**

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FILE LOCATION:

REV.	DESCRIPTION	DRAWN BY	APPRVD. BY	DATE
C01	30% DETAILED DESIGN	E.SANGSEFIDI	A.HEAD	30/09/2022
C02	90% DETAILED DESIGN	E.SANGSEFIDI	A.HEAD	09/12/2022
C03	TRAFFIC RESOLUTION ISSUE	E.SANGSEFIDI	A.HEAD	10/02/2023
C04	ISSUE FOR CONSTRUCTION	E.SANGSEFIDI	A.HEAD	19/06/2023

DRAWING SCALE: 1:2000

DESIGN STAGE: DETAILED DESIGN

GATE: IFC

DRAWING STATUS: **FOR CONSTRUCTION**

APPROVED BY: A.HEAD

DESIGNED: E.SANGSEFIDI

DES. CHECK: A.HEAD

APPROVED DATE: 19/06/2023

DRAWN: E.SANGSEFIDI

DRG. CHECK: J.BOSCH

PROJECT: TRANSITIONAL CYCLEWAYS
KILBIRNIE CONNECTIONS

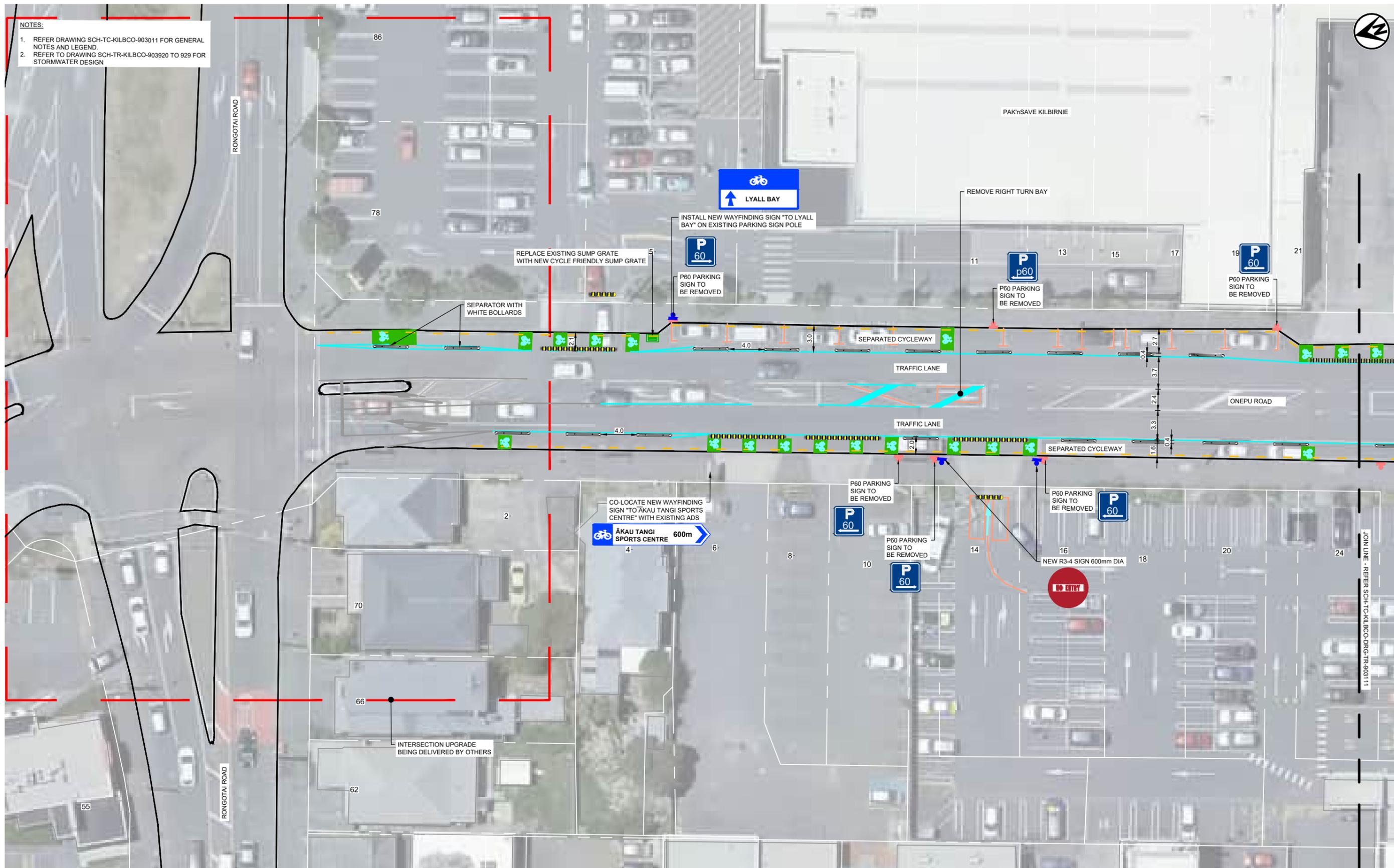
TITLE: ONEPU ROAD
SECTION COVERSHEET

DOCUMENT: SCH - TC - KILBCO - DRG - TR - 903100 C04

ORIGINATOR	PROJECT	WORK STREAM	TYPE	DISCIPLINE	SHEET	REVISION

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 2. REFER TO DRAWING SCH-TR-KILBCO-903920 TO 929 FOR STORMWATER DESIGN



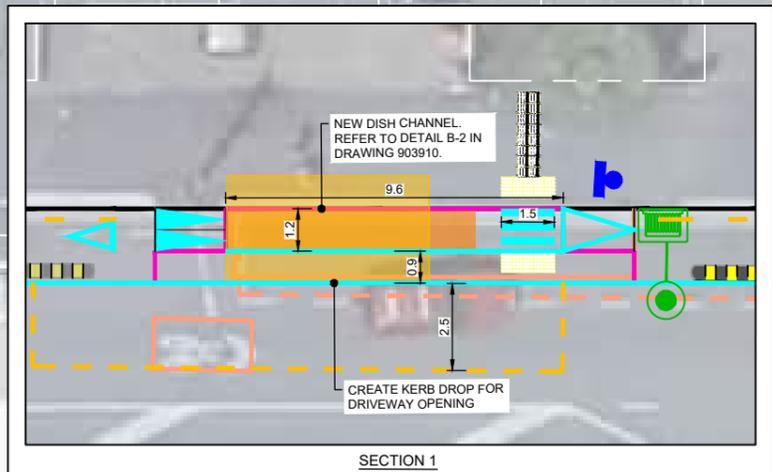
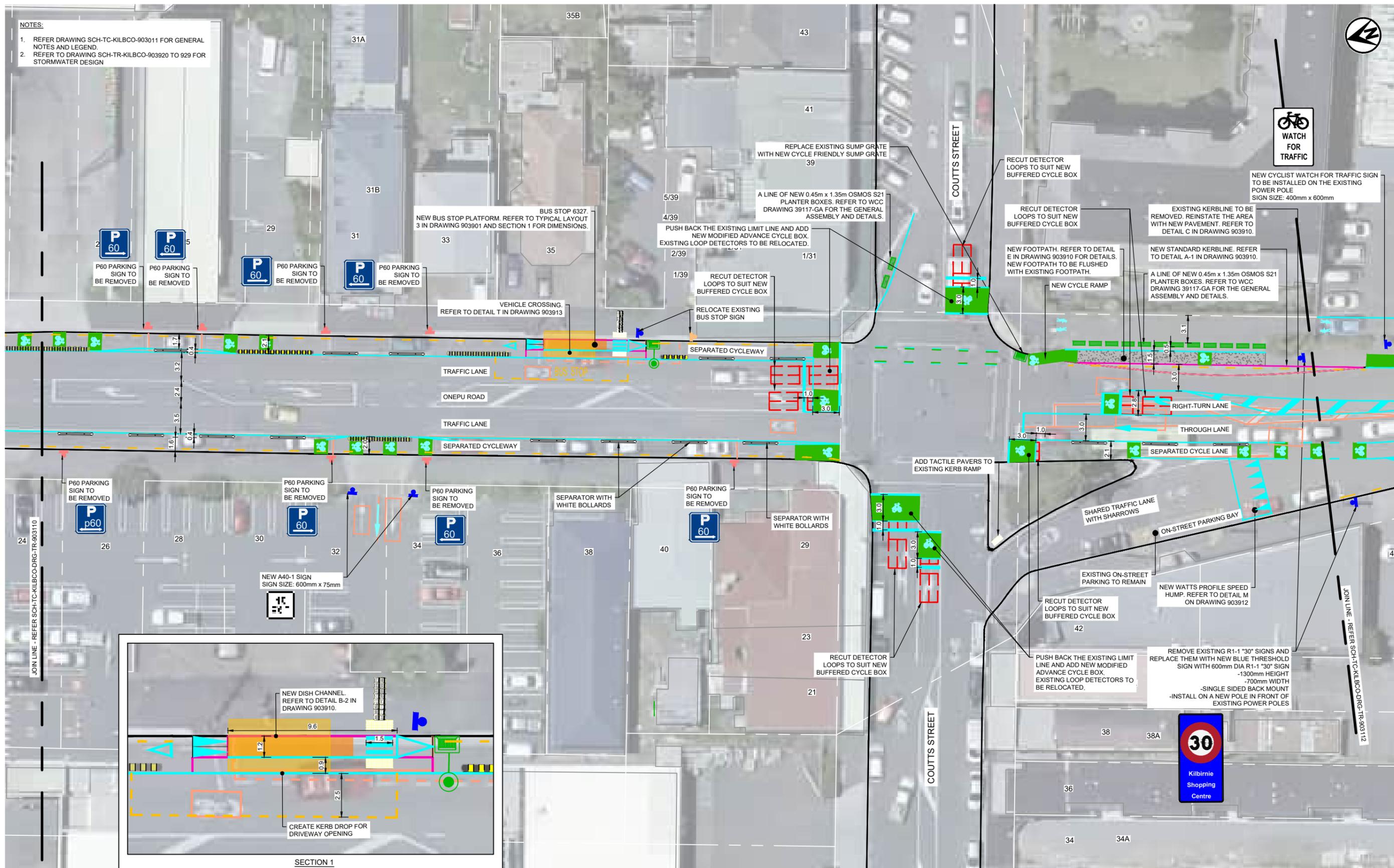
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JOIN LINE - REFER SCH-TC-KILBCO-DRG-TR-903111

CLIENT 	ORIGINATOR 	REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DRAWN BY</th> <th>APRVD. BY</th> <th>DATE</th> </tr> <tr> <td>C01</td> <td>30% DETAILED DESIGN</td> <td>E.SANGSEFID</td> <td>A.HEAD</td> <td>30/09/2022</td> </tr> <tr> <td>C02</td> <td>30% DETAILED DESIGN</td> <td>E.SANGSEFID</td> <td>A.HEAD</td> <td>09/12/2022</td> </tr> <tr> <td>C03</td> <td>TRAFFIC RESOLUTION ISSUE</td> <td>E.SANGSEFID</td> <td>A.HEAD</td> <td>10/02/2023</td> </tr> <tr> <td>C04</td> <td>ISSUE FOR CONSTRUCTION</td> <td>E.SANGSEFID</td> <td>A.HEAD</td> <td>19/06/2023</td> </tr> </table>	REV.	DESCRIPTION	DRAWN BY	APRVD. BY	DATE	C01	30% DETAILED DESIGN	E.SANGSEFID	A.HEAD	30/09/2022	C02	30% DETAILED DESIGN	E.SANGSEFID	A.HEAD	09/12/2022	C03	TRAFFIC RESOLUTION ISSUE	E.SANGSEFID	A.HEAD	10/02/2023	C04	ISSUE FOR CONSTRUCTION	E.SANGSEFID	A.HEAD	19/06/2023	DESIGN STAGE DETAILED DESIGN	GATE IFC	PROJECT: TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS	TITLE: ONEPU ROAD GENERAL ARRANGEMENT SHEET 1
REV.	DESCRIPTION	DRAWN BY	APRVD. BY	DATE																											
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 2. REFER TO DRAWING SCH-TR-KILBCO-903920 TO 929 FOR STORMWATER DESIGN



CLIENT: **Abundant Pathways Wellington City Council**

ORIGINATOR: **abley** and **Isthmus**

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C04	TRAFFIC RESOLUTION UPDATE	E.SANGSEFID	A.HEAD	17/02/2023
C05	ISSUE FOR CONSTRUCTION	E.SANGSEFID	A.HEAD	19/06/2023

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DESIGN STAGE	GATE
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19/06/2023	DRG. CHECK:	J.BOSCH

PROJECT: **TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS**

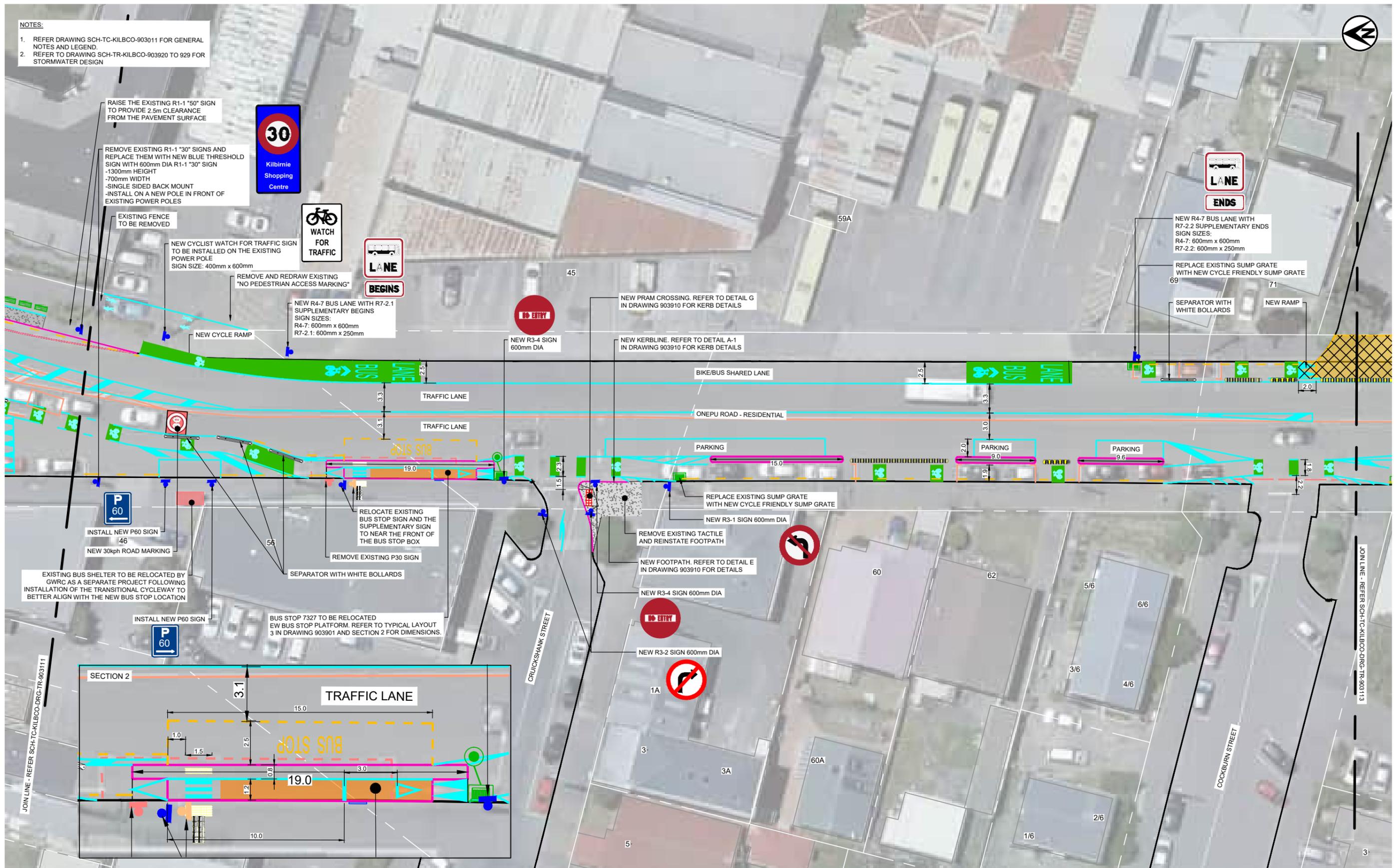
TITLE: **ONEPU ROAD GENERAL ARRANGEMENT SHEET 2**

DOCUMENT: SCH - TC - KILBCO - DRG - TR - 903111 C05

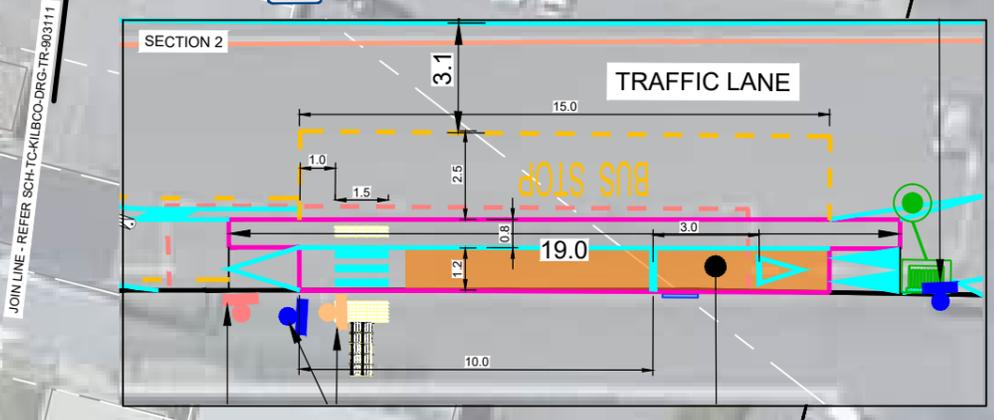
ORIGINATOR	PROJECT	WORK STREAM	TYPE	DISCIPLINE	SHEET	REVISION
SCH	TC	KILBCO	DRG	TR	903111	C05

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 2. REFER TO DRAWING SCH-TR-KILBCO-903920 TO 929 FOR STORMWATER DESIGN



ORIGINAL SIZE: ISO A1 594mm x 841mm
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 200
 150
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CLIENT: **Wairarapa District Council**
 ORIGINATOR: **abley** and **Isthmus**

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C05	ISSUE FOR CONSTRUCTION	E.SANGSEFID	A.HEAD	19/06/2023

SCALE: 1:200

DESIGN STAGE	GATE
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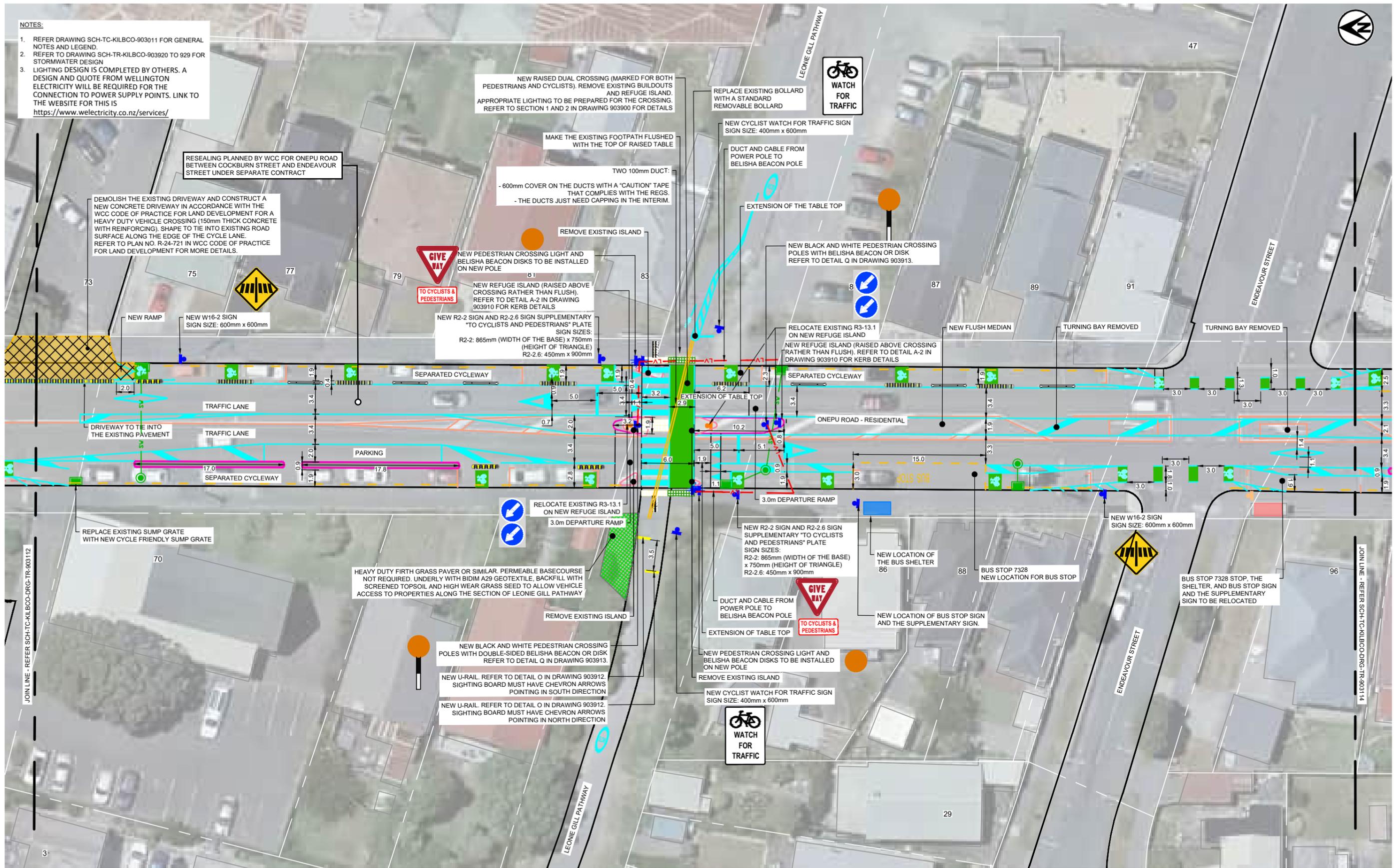
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19/06/2023	DRG. CHECK:	J.BOSCH

PROJECT:	TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS				
TITLE:	ONEPU ROAD GENERAL ARRANGEMENT SHEET 3				
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903112	SHEET:	C05	REVISION:	

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- NOTES:**
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 - REFER TO DRAWING SCH-TR-KILBCO-903920 TO 929 FOR STORMWATER DESIGN
 - LIGHTING DESIGN IS COMPLETED BY OTHERS. A DESIGN AND QUOTE FROM WELLINGTON ELECTRICITY WILL BE REQUIRED FOR THE CONNECTION TO POWER SUPPLY POINTS. LINK TO THE WEBSITE FOR THIS IS <https://www.welclectricity.co.nz/services/>



ORIGINAL SIZE: ISO A1 594mm x 841mm
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200
150
100
50
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CLIENT: **Manatūhiri Pūwhiri Wellington City Council**

ORIGINATOR: **abley** and **Isthmus**

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SCALE	1:200
DRAWING SCALE:	1:200

DESIGN STAGE	GATE
DETAILED DESIGN	IFC

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A.HEAD	DES. CHECK:	A.HEAD
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PROJECT:	TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS
TITLE:	ONEPU ROAD GENERAL ARRANGEMENT SHEET 4
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903113 C04

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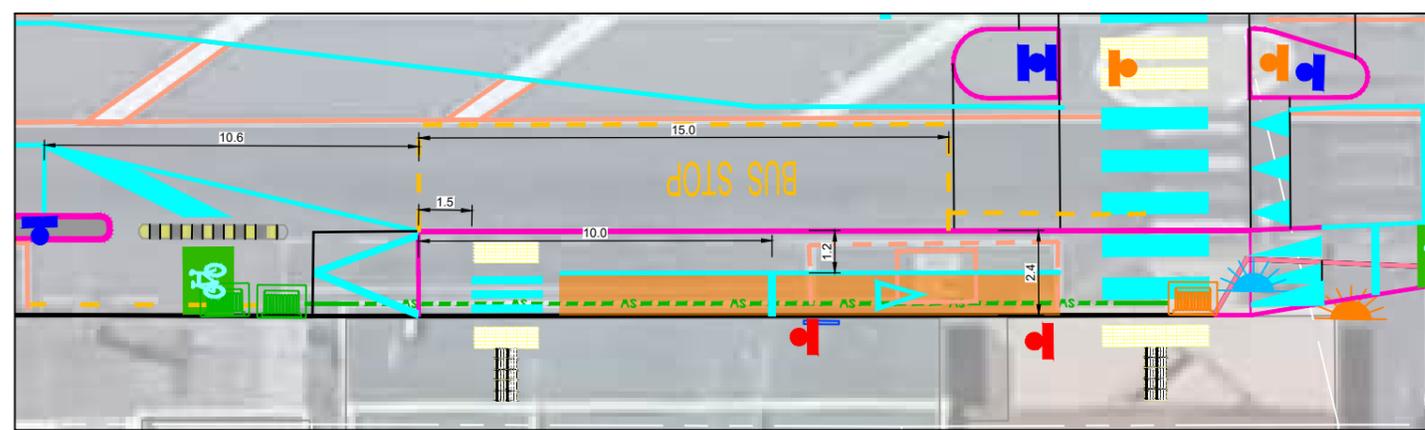
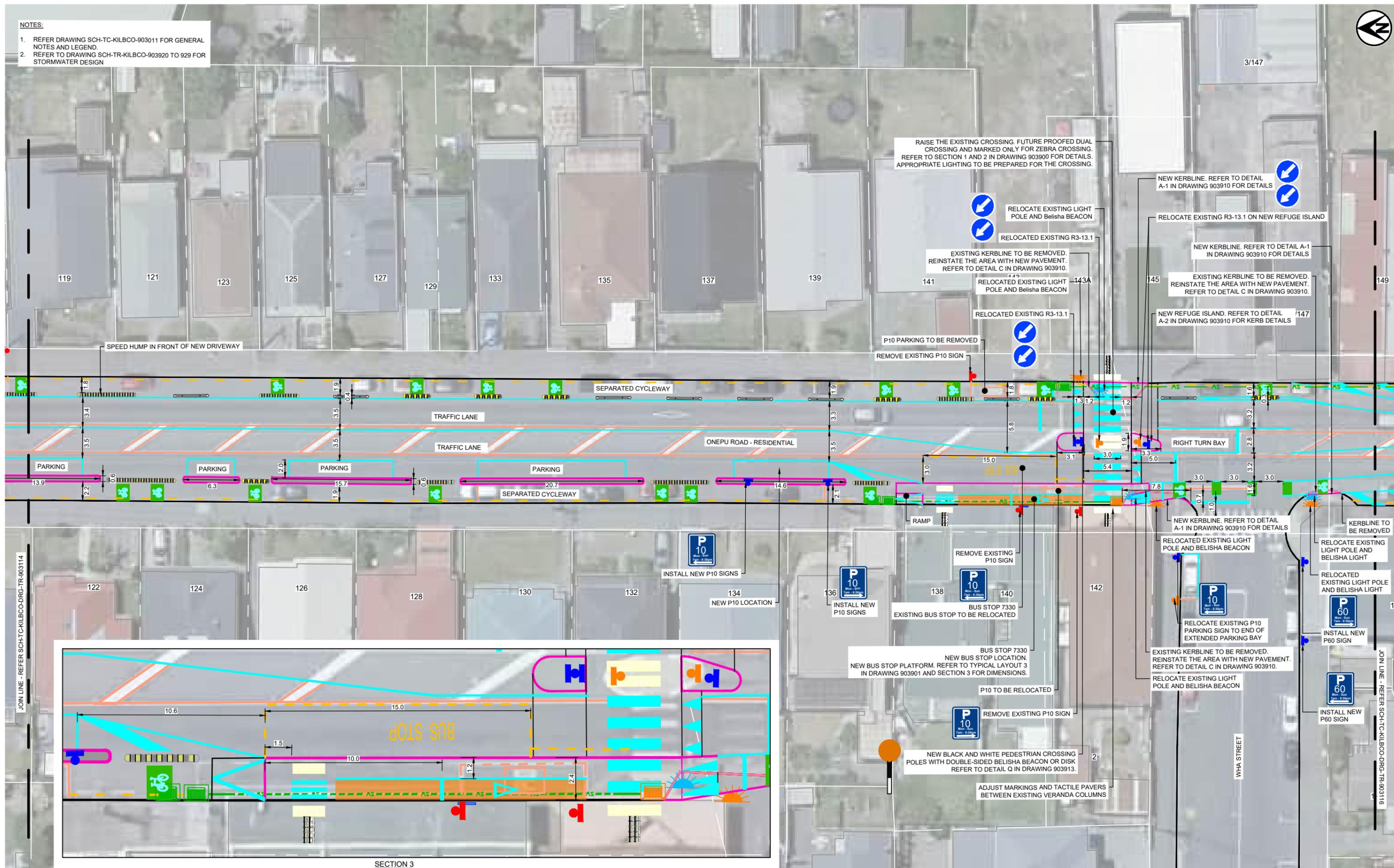
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 1. REFER DRAWING SCH-TC-KILBCO-903011 FOR GENERAL NOTES AND LEGEND.
 2. REFER TO DRAWING SCH-TR-KILBCO-903920 TO 929 FOR STORMWATER DESIGN

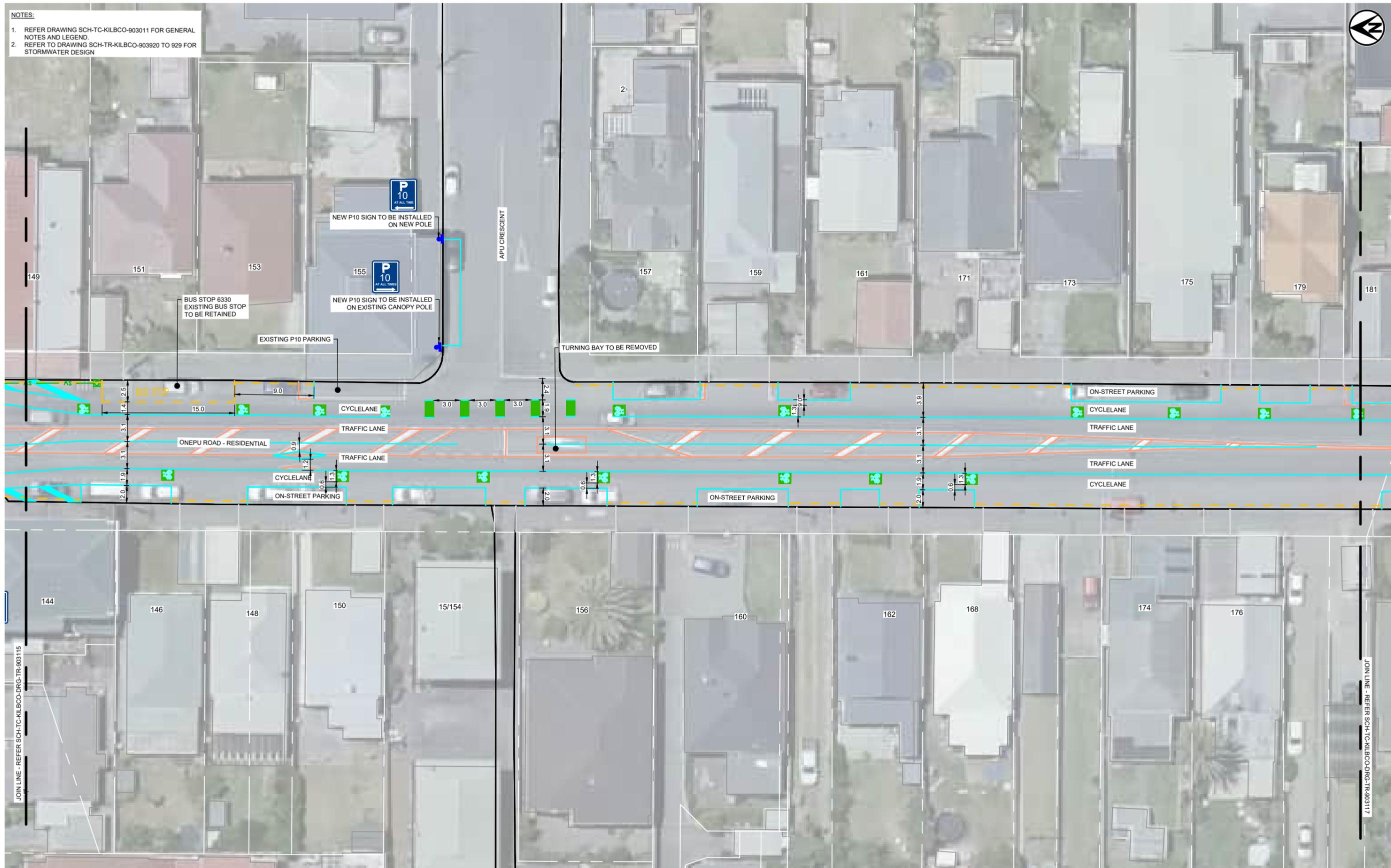


SECTION 3
SCALE 1:100

<p>CLIENT</p>	<p>ORIGINATOR</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DRAWN BY</th> <th>APPRD. BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>C01</td> <td>30% DETAILED DESIGN</td> <td>E.SANGSEFID</td> <td>A.HEAD</td> <td>30/09/2022</td> </tr> <tr> <td>C02</td> <td>30% DETAILED DESIGN</td> <td>E.SANGSEFID</td> <td>A.HEAD</td> <td>09/12/2022</td> </tr> <tr> <td>C03</td> <td>TRAFFIC RESOLUTION ISSUE</td> <td>E.SANGSEFID</td> <td>A.HEAD</td> <td>10/02/2023</td> </tr> <tr> <td>C04</td> <td>TRAFFIC RESOLUTION UPDATE</td> <td>E.SANGSEFID</td> <td>A.HEAD</td> <td>17/02/2023</td> </tr> <tr> <td>C05</td> <td>ISSUE FOR CONSTRUCTION</td> <td>E.SANGSEFID</td> <td>A.HEAD</td> <td>19/06/2023</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DRAWN BY	APPRD. BY	DATE	C01	30% DETAILED DESIGN	E.SANGSEFID	A.HEAD	30/09/2022	C02	30% DETAILED DESIGN	E.SANGSEFID	A.HEAD	09/12/2022	C03	TRAFFIC RESOLUTION ISSUE	E.SANGSEFID	A.HEAD	10/02/2023	C04	TRAFFIC RESOLUTION UPDATE	E.SANGSEFID	A.HEAD	17/02/2023	C05	ISSUE FOR CONSTRUCTION	E.SANGSEFID	A.HEAD	19/06/2023	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DESIGN STAGE</th> <th>GATE</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">DETAILED DESIGN</td> <td style="text-align: center;">IFC</td> </tr> <tr> <td colspan="2" style="text-align: center;">DRAWING STATUS</td> </tr> <tr> <td colspan="2" style="text-align: center; color: red; font-weight: bold;">FOR CONSTRUCTION</td> </tr> <tr> <td>APPROVED BY:</td> <td>DESIGNED: E.SANGSEFID</td> </tr> <tr> <td>A.HEAD</td> <td>DES. CHECK: A.HEAD</td> </tr> <tr> <td>APPROVED DATE:</td> <td>DRAWN: E.SANGSEFID</td> </tr> <tr> <td>19/06/2023</td> <td>DRG. CHECK: J.BOSCH</td> </tr> </tbody> </table>	DESIGN STAGE	GATE	DETAILED DESIGN	IFC	DRAWING STATUS		FOR CONSTRUCTION		APPROVED BY:	DESIGNED: E.SANGSEFID	A.HEAD	DES. CHECK: A.HEAD	APPROVED DATE:	DRAWN: E.SANGSEFID	19/06/2023	DRG. CHECK: J.BOSCH	<p>PROJECT: TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS</p> <p>TITLE: ONEPU ROAD GENERAL ARRANGEMENT SHEET 6</p> <p>DOCUMENT: SCH - TC - KILBCO - DRG - TR - 903115</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>ORIGINATOR</th> <th>PROJECT</th> <th>WORK STREAM</th> <th>TYPE</th> <th>DISCIPLINE</th> <th>SHEET</th> <th>REVISION</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>C05</td> <td></td> </tr> </tbody> </table>	ORIGINATOR	PROJECT	WORK STREAM	TYPE	DISCIPLINE	SHEET	REVISION						C05	
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<p>LAST SAVED BY: CHLI(2023-06-20) LAST PLOTTED: 2023-06-20</p> <p>FILE LOCATION:</p>		<p>DRAWING SCALE: 1:200</p>		<p>PRINTED COPIES OF THIS DOCUMENT ARE UNCONTROLLED</p>																																																													

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NOTES:
 1. REFER DRAWING SCH-TC-KILBCO-903011 FOR GENERAL NOTES AND LEGEND.
 2. REFER TO DRAWING SCH-TR-KILBCO-903920 TO 929 FOR STORMWATER DESIGN



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30
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JOIN LINE - REFER SCH-TC-KILBCO-DRG-TR-903115

JOIN LINE - REFER SCH-TC-KILBCO-DRG-TR-903117

CLIENT ORIGINATOR



REV.	DESCRIPTION	DRAWN BY	APPRD. BY	DATE
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C02	30% DETAILED DESIGN	E.SANGSEFID	A.HEAD	09/12/2022
C03	TRAFFIC RESOLUTION ISSUE	E.SANGSEFID	A.HEAD	10/02/2023
C04	TRAFFIC RESOLUTION UPDATE	E.SANGSEFID	A.HEAD	17/02/2023
C05	ISSUE FOR CONSTRUCTION	E.SANGSEFID	A.HEAD	19/06/2023



DESIGN STAGE	GATE
DETAILED DESIGN	IFC
DRAWING STATUS	
FOR CONSTRUCTION	
APPROVED BY:	DESIGNED: E.SANGSEFID
A.HEAD	DES. CHECK: A.HEAD
APPROVED DATE:	DRAWN: E.SANGSEFID
19/06/2023	DRG. CHECK: J.BOSCH

PROJECT:	TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS	
TITLE:	ONEPU ROAD GENERAL ARRANGEMENT SHEET 7	
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903116	C05

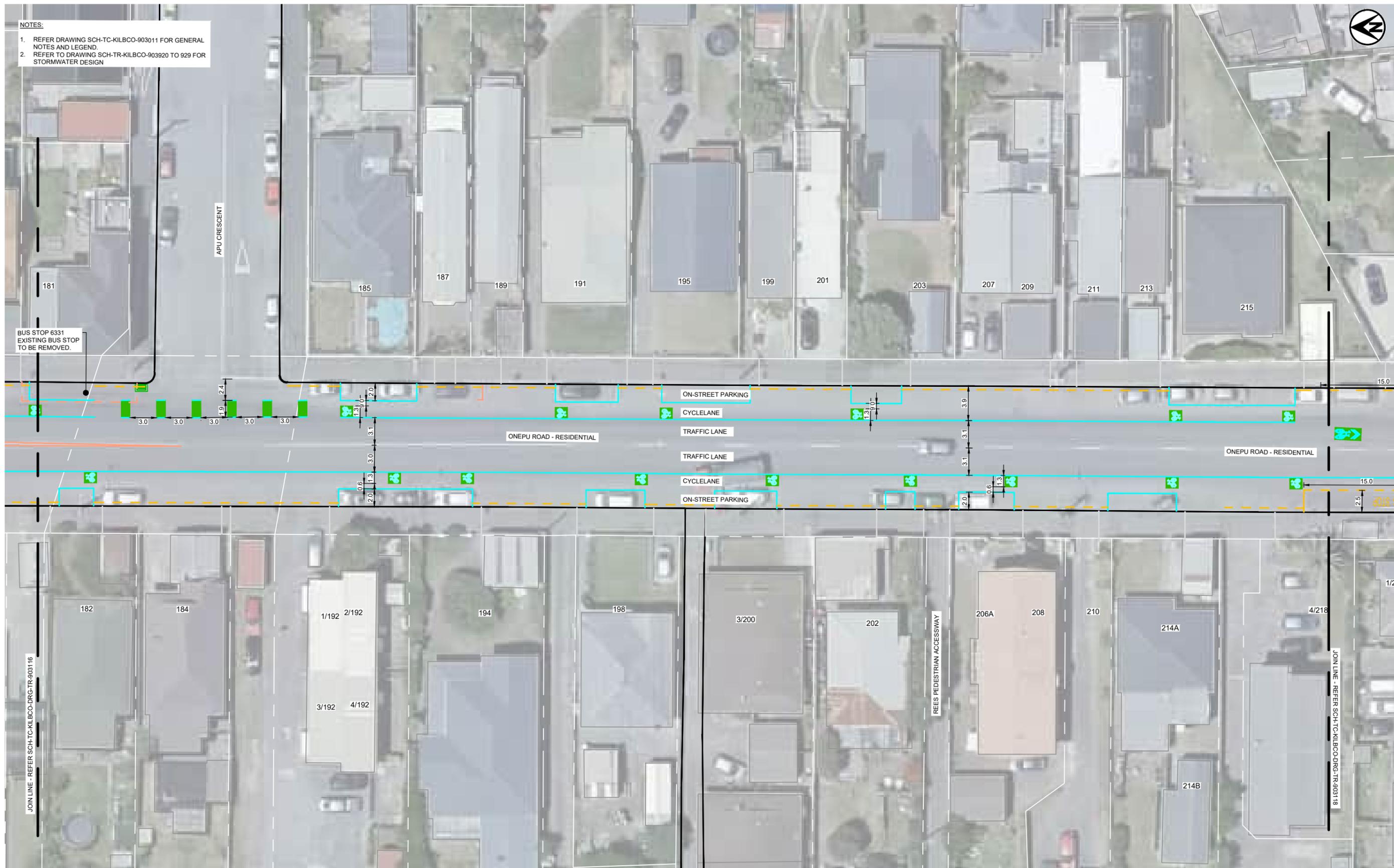
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 2. REFER TO DRAWING SCH-TR-KILBCO-903920 TO 929 FOR STORMWATER DESIGN



ORIGINAL SIZE: ISO A1 594mm x 841mm

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<p>CLIENT</p> 	<p>ORIGINATOR</p> 
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C01	30% DETAILED DESIGN	E.SANGSEFID	A.HEAD	30/09/2022
C02	30% DETAILED DESIGN	E.SANGSEFID	A.HEAD	09/12/2022
C03	TRAFFIC RESOLUTION ISSUE	E.SANGSEFID	A.HEAD	10/02/2023
C04	ISSUE FOR CONSTRUCTION	E.SANGSEFID	A.HEAD	19/06/2023

DRAWING SCALE: 1:200

DESIGN STAGE	GATE
DETAILED DESIGN	IFC

DRAWING STATUS: **FOR CONSTRUCTION**

APPROVED BY:	DESIGNED:	E.SANGSEFID
A.HEAD	DES. CHECK:	A.HEAD
APPROVED DATE:	DRAWN:	E.SANGSEFID
19/06/2023	DRG. CHECK:	J.BOSCH

PROJECT:	TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS			
TITLE:	ONEPU ROAD GENERAL ARRANGEMENT SHEET 8			
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903117	C04	REVISION	

LAST SAVED BY: CHLI(2023-06-20) LAST PLOTTED: 2023-06-20

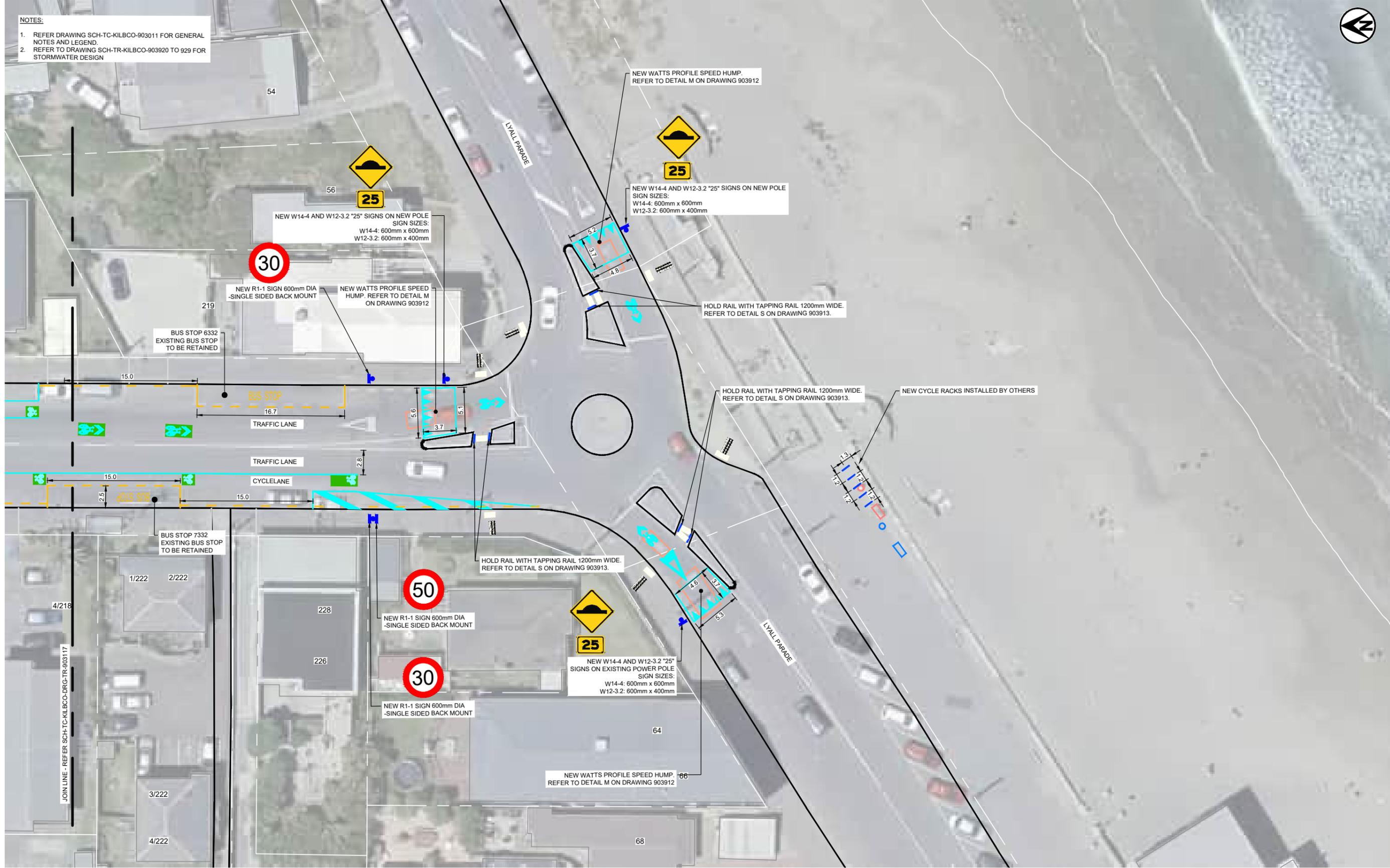
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 2. REFER TO DRAWING SCH-TR-KILBCO-903920 TO 929 FOR STORMWATER DESIGN



ORIGINAL SIZE: ISO A1 594mm x 841mm
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CLIENT	ORIGINATOR
LAST SAVED BY: CHLI(2023-06-20)	LAST PLOTTED: 2023-06-20
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C02	30% DETAILED DESIGN	E.SANGSEFIDI	A.HEAD	09/12/2022
C03	TRAFFIC RESOLUTION UPDATE	E.SANGSEFIDI	A.HEAD	10/02/2023
C04	TRAFFIC RESOLUTION UPDATE	E.SANGSEFIDI	A.HEAD	17/02/2023
C05	ISSUE FOR CONSTRUCTION	E.SANGSEFIDI	A.HEAD	19/06/2023

SCALE	0 5 10 m
DRAWING SCALE:	1:200

DESIGN STAGE	GATE
DETAILED DESIGN	IFC
DRAWING STATUS	
FOR CONSTRUCTION	
APPROVED BY:	DESIGNED: E.SANGSEFIDI
A.HEAD	DES. CHECK: A.HEAD
APPROVED DATE:	DRAWN: E.SANGSEFIDI
19/06/2023	DRG. CHECK: J.BOSCH

PROJECT:	TRANSITIONAL CYCLEWAYS	
	KILBIRNIE CONNECTIONS	
TITLE:	ONEPU ROAD	
	GENERAL ARRANGEMENT	
	SHEET 9	
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903118	C05

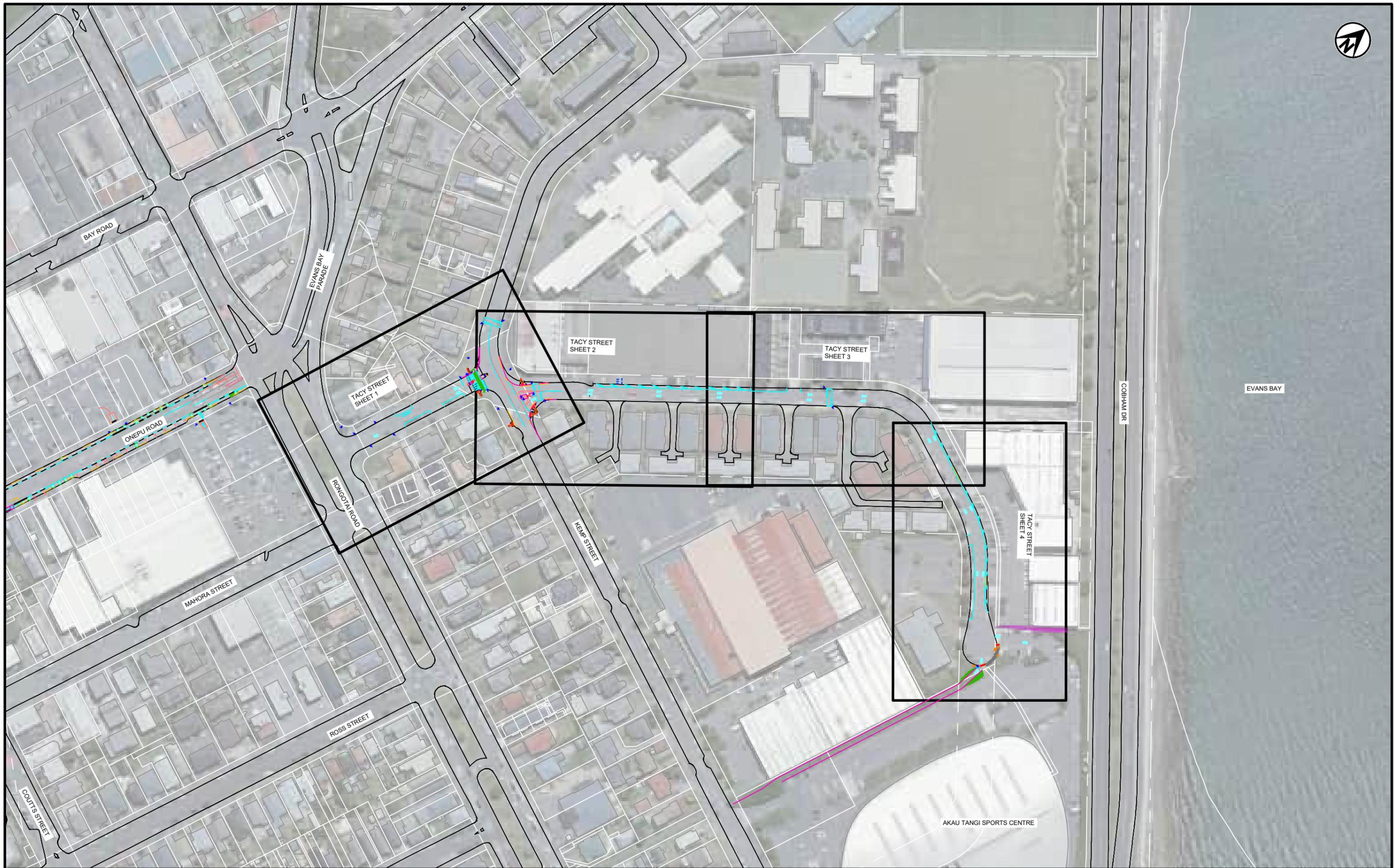
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ORIGINAL SIZE: ISO A1 594mm x 841mm

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CLIENT



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ORIGINATOR



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C01	30% DETAILED DESIGN	E.SANGSEFIDI	A.HEAD	30/09/2022
C02	90% DETAILED DESIGN	E.SANGSEFIDI	A.HEAD	09/12/2022
C03	TRAFFIC RESOLUTION ISSUE	E.SANGSEFIDI	A.HEAD	10/02/2023
C04	ISSUE FOR CONSTRUCTION	E.SANGSEFIDI	A.HEAD	19/06/2023

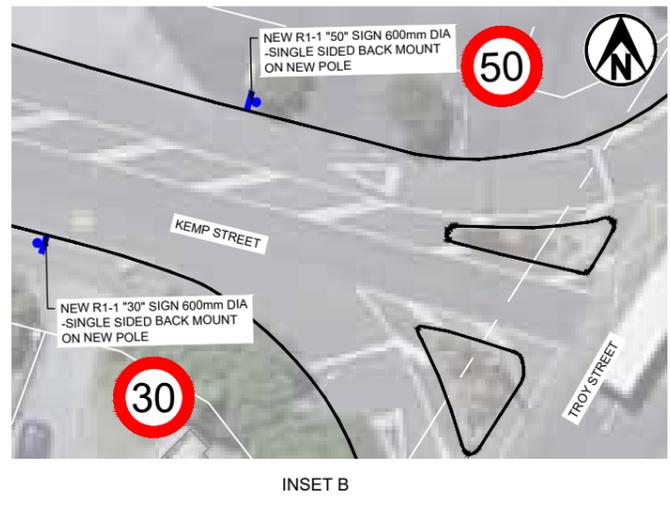
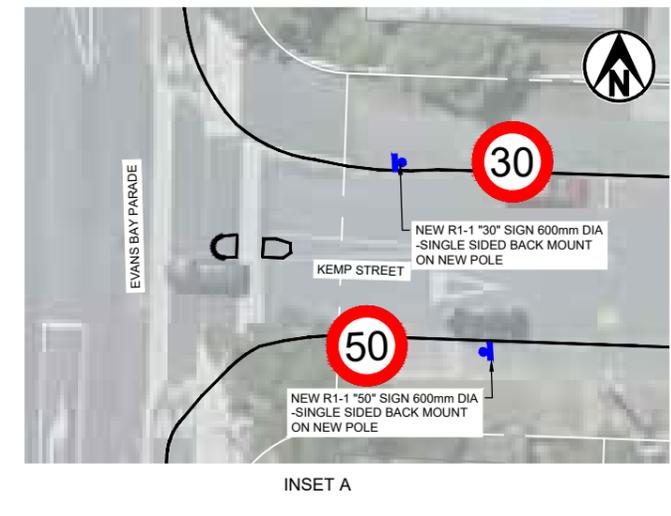
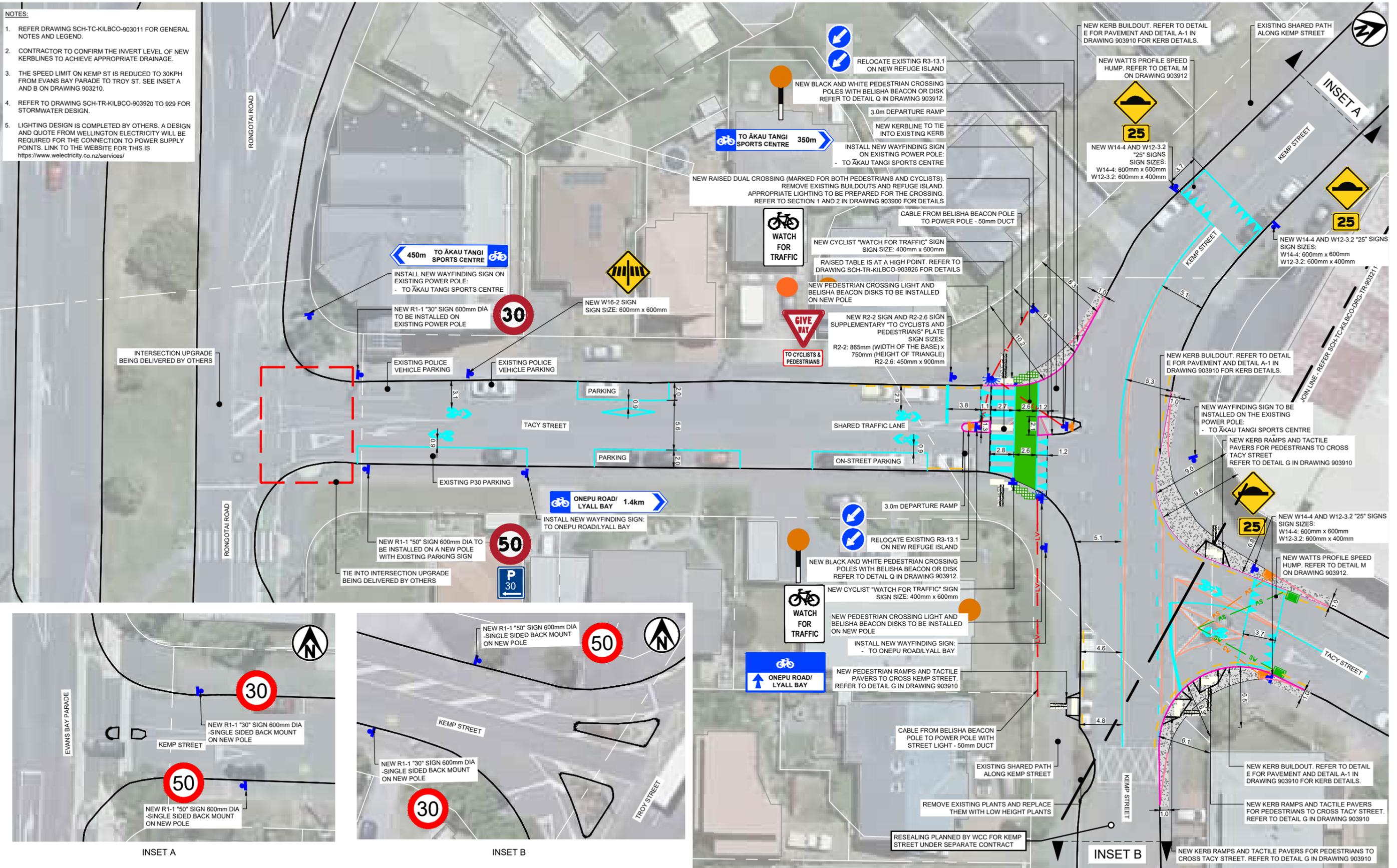
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DESIGN STAGE	GATE
DETAILED DESIGN	IFC
DRAWING STATUS	
FOR CONSTRUCTION	
APPROVED BY:	DESIGNED: E.SANGSEFIDI
A.HEAD	DES. CHECK: A.HEAD
APPROVED DATE:	DRAWN: E.SANGSEFIDI
19/06/2023	DRG. CHECK: J.BOSCH

PROJECT:	TRANSITIONAL CYCLEWAYS			
	KILBIRNIE CONNECTIONS			
TITLE:	TACY STREET SECTION COVERSHEET			
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903200	SHEET	C04	REVISION

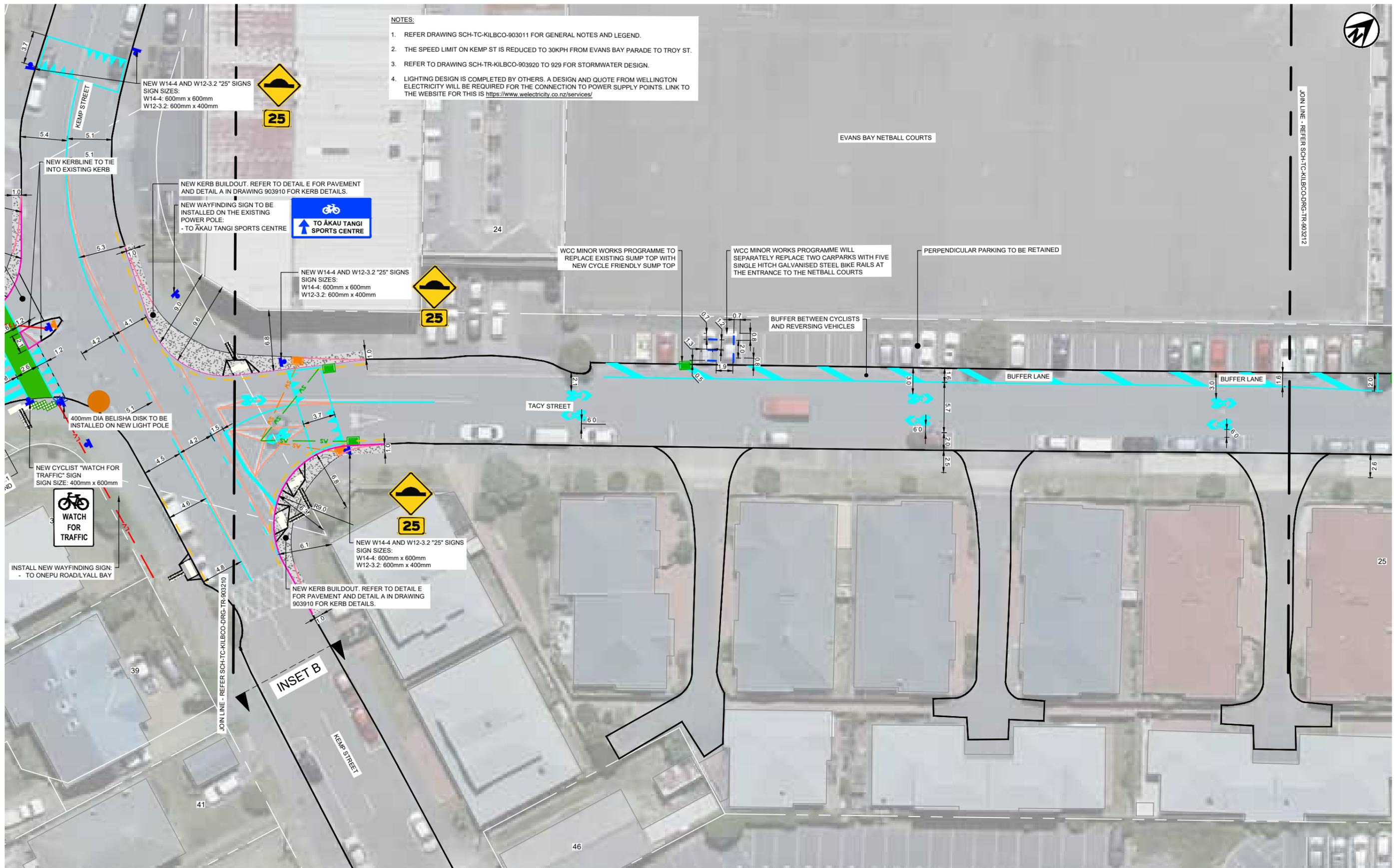
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- NOTES:**
- REFER DRAWING SCH-TC-KILBCO-903011 FOR GENERAL NOTES AND LEGEND.
 - CONTRACTOR TO CONFIRM THE INVERT LEVEL OF NEW KERBLINES TO ACHIEVE APPROPRIATE DRAINAGE.
 - THE SPEED LIMIT ON KEMP ST IS REDUCED TO 30KPH FROM EVANS BAY PARADE TO TROY ST. SEE INSET A AND B ON DRAWING 903210.
 - REFER TO DRAWING SCH-TR-KILBCO-903920 TO 929 FOR STORMWATER DESIGN.
 - LIGHTING DESIGN IS COMPLETED BY OTHERS. A DESIGN AND QUOTE FROM WELLINGTON ELECTRICITY WILL BE REQUIRED FOR THE CONNECTION TO POWER SUPPLY POINTS. LINK TO THE WEBSITE FOR THIS IS <https://www.welcity.co.nz/services/>



CLIENT		ORIGINATOR		DESIGN STAGE		GATE		PROJECT:	
				DETAILED DESIGN		IFC		TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS	
				DRAWING STATUS		FOR CONSTRUCTION		TITLE:	
LAST SAVED BY: CHLI(2023-06-20)		LAST PLOTTED: 2023-06-20		APPROVED BY:		DESIGNED: E.SANGSEFID		TACY STREET GENERAL ARRANGEMENT	
FILE LOCATION:		PRINTED COPIES OF THIS DOCUMENT ARE UNCONTROLLED		APPROVED DATE:		DRAWN: E.SANGSEFID		SHEET 1	
		SCALE		DRAWING INFORMATION		DRAWING INFORMATION		DOCUMENT:	
		0 5 10 m		DRAWN BY: APRVD. BY: DATE		DES. CHECK: A.HEAD		SCH - TC - KILBCO - DRG - TR - 903210	
		1:200		DRAWING SCALE: 1:200		DRG. CHECK: J.BOSCH		C05	
				REVISIONS					
				C01 30% DETAILED DESIGN		E.SANGSEFID A.HEAD 30/09/2022			
				C02 90% DETAILED DESIGN		E.SANGSEFID A.HEAD 09/12/2022			
				C03 TRAFFIC RESOLUTION ISSUE		E.SANGSEFID A.HEAD 10/02/2023			
				C04 TRAFFIC RESOLUTION UPDATE		E.SANGSEFID A.HEAD 17/02/2023			
				C05 ISSUE FOR CONSTRUCTION		E.SANGSEFID A.HEAD 19/06/2023			

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- NOTES:**
- REFER DRAWING SCH-TC-KILBCO-903011 FOR GENERAL NOTES AND LEGEND.
 - THE SPEED LIMIT ON KEMP ST IS REDUCED TO 30KPH FROM EVANS BAY PARADE TO TROY ST.
 - REFER TO DRAWING SCH-TR-KILBCO-903920 TO 929 FOR STORMWATER DESIGN.
 - LIGHTING DESIGN IS COMPLETED BY OTHERS. A DESIGN AND QUOTE FROM WELLINGTON ELECTRICITY WILL BE REQUIRED FOR THE CONNECTION TO POWER SUPPLY POINTS. LINK TO THE WEBSITE FOR THIS IS <https://www.welclectricity.co.nz/services/>

ORIGINAL SIZE: ISO A1 594mm x 841mm
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200
150
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30
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JOIN LINE - REFER SCH-TC-KILBCO-DRG-TR-903212



REV.	DESCRIPTION	DRAWN BY	APRVD. BY	DATE
C01	30% DETAILED DESIGN	E.SANGSEFID	A.HEAD	30/09/2022
C02	90% DETAILED DESIGN	E.SANGSEFID	A.HEAD	09/12/2022
C03	TRAFFIC RESOLUTION ISSUE	E.SANGSEFID	A.HEAD	10/02/2023
C04	TRAFFIC RESOLUTION UPDATE	E.SANGSEFID	A.HEAD	17/02/2023
C05	ISSUE FOR CONSTRUCTION	E.SANGSEFID	A.HEAD	19/06/2023

DRAWING SCALE: 1:200

DESIGN STAGE	GATE
DETAILED DESIGN	IFC

DRAWING STATUS: **FOR CONSTRUCTION**

APPROVED BY:	DESIGNED:	E.SANGSEFID
A.HEAD	DES. CHECK:	A.HEAD
APPROVED DATE:	DRAWN:	E.SANGSEFID
19/06/2023	DRG. CHECK:	J.BOSCH

CLIENT	ORIGINATOR	PROJECT:	TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS
		TITLE:	TACY STREET GENERAL ARRANGEMENT SHEET 2
		DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903211 C05

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NOTES:
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 2. REFER TO DRAWING SCH-TR-KILBCO-903920 TO 929 FOR STORMWATER DESIGN

CLIENT: **Wollaton Parish**
 Wollaton City Council

ORIGINATOR: **abley**
 Isthmus.

LAST SAVED BY: CHLI(2023-06-20) LAST PLOTTED: 2023-06-20
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C02	90% DETAILED DESIGN	E.SANGSEFID	A.HEAD	09/12/2022
C03	TRAFFIC RESOLUTION ISSUE	E.SANGSEFID	A.HEAD	10/02/2023
C04	ISSUE FOR CONSTRUCTION	E.SANGSEFID	A.HEAD	19/06/2023

DESIGN STAGE: **DETAILED DESIGN** | GATE: **IFC**

DRAWING STATUS: **FOR CONSTRUCTION**

APPROVED BY: A.HEAD | DESIGNED: E.SANGSEFID
 APPROVED DATE: 19/06/2023 | DRAWN: E.SANGSEFID
 DRG. CHECK: J.BOSCH

DRAWING SCALE: **1:200**

SCALE: 0 5 10 m

PROJECT: **TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS**

TITLE: **TACY STREET GENERAL ARRANGEMENT SHEET 3**

DOCUMENT: **SCH - TC - KILBCO - DRG - TR - 903212 C04**

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- NOTES:**
- REFER DRAWING SCH-TC-KILBCO-903011 FOR GENERAL NOTES AND LEGEND.
 - REFER TO DRAWING SCH-TR-KILBCO-903920 TO 929 FOR STORMWATER DESIGN



CLIENT

ORIGINATOR



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C02	90% DETAILED DESIGN	E.SANGSEFID	A.HEAD	09/12/2022
C03	TRAFFIC RESOLUTION ISSUE	E.SANGSEFID	A.HEAD	10/02/2023
C04	ISSUE FOR CONSTRUCTION	E.SANGSEFID	A.HEAD	19/06/2023

SCALE		DRAWING SCALE:	
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DESIGN STAGE	GATE
DETAILED DESIGN	IFC
DRAWING STATUS	
FOR CONSTRUCTION	
APPROVED BY:	DESIGNED: E.SANGSEFID
A.HEAD	DES. CHECK: A.HEAD
APPROVED DATE:	DRAWN: E.SANGSEFID
19/06/2023	DRG. CHECK: J.BOSCH

PROJECT:	TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS	
TITLE:	TACY STREET GENERAL ARRANGEMENT SHEET 4	
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903213	C04

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ORIGINAL SIZE: ISO A1 594mm x 841mm

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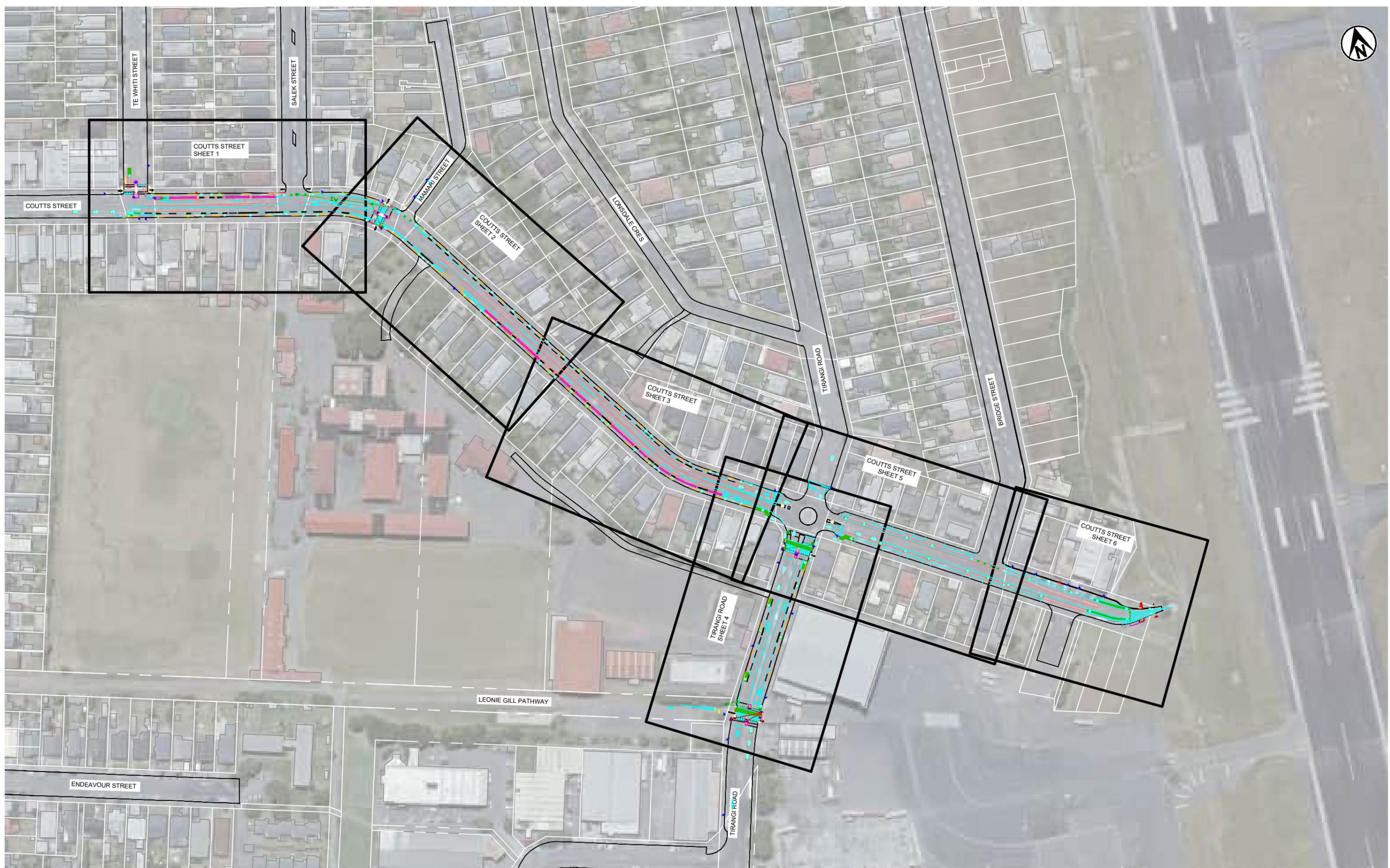
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CLIENT

ORIGINATOR



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C04	ISSUE FOR CONSTRUCTION	E.SANGSEFIDI	A.HEAD	19/06/2023



DRAWING SCALE: 1:1000

DESIGN STAGE	GATE
DETAILED DESIGN	IFC

DRAWING STATUS

FOR CONSTRUCTION

APPROVED BY:	DESIGNED:	E.SANGSEFIDI
A.HEAD	DES. CHECK:	A.HEAD
APPROVED DATE:	DRAWN:	E.SANGSEFIDI
19/06/2023	DRG. CHECK:	J.BOSCH

PROJECT:	TITLE:	ORIGINATOR	PROJECT	WORK STREAM	TYPE	DISCIPLINE	SHEET	REVISION
TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS								
COUITTS STREET & TIRANGI ROAD SECTION COVERSHEET								
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903300							C04

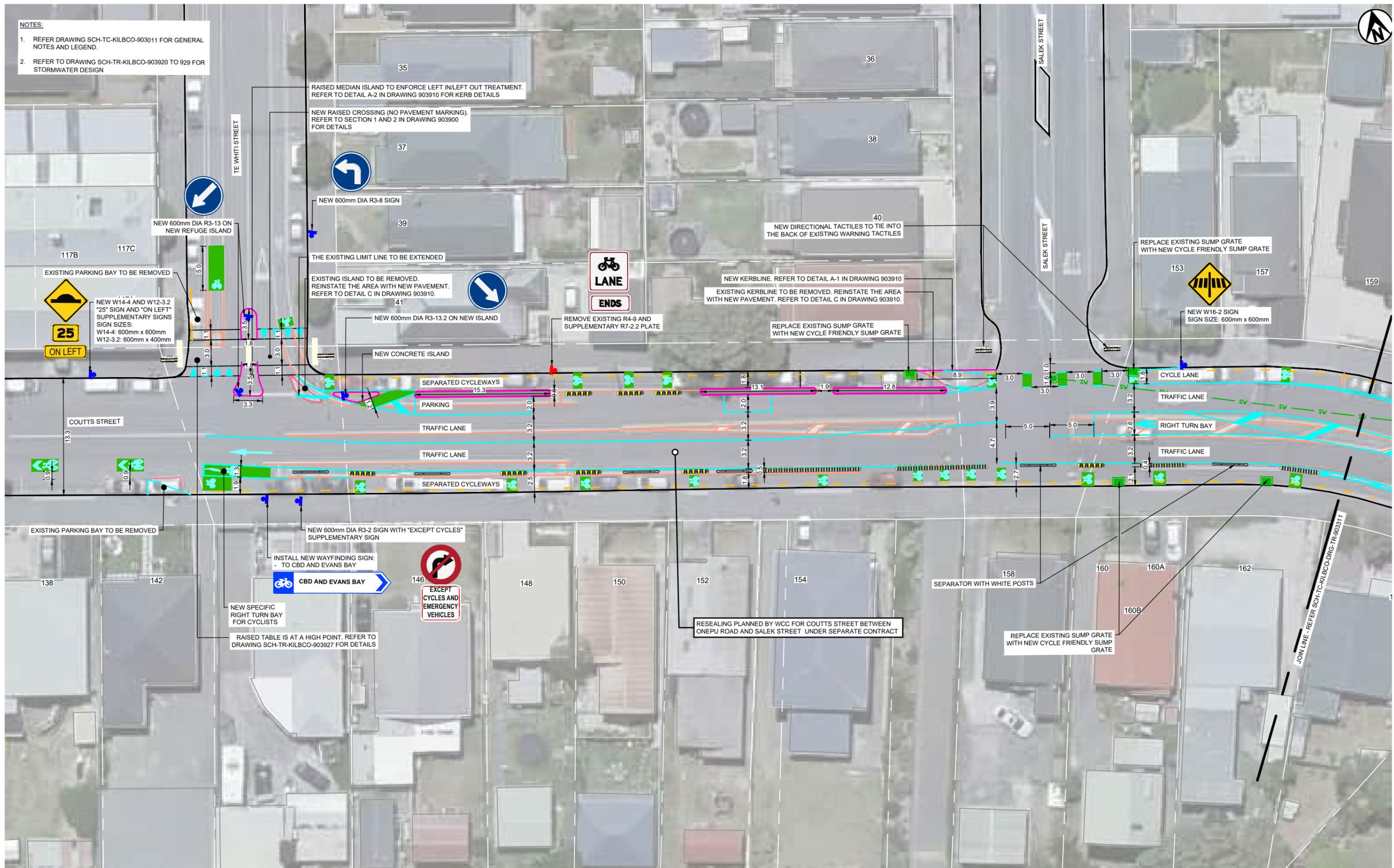
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 - REFER TO DRAWING SCH-TR-KILBCO-903920 TO 929 FOR STORMWATER DESIGN



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CLIENT	ORIGINATOR

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REV.	DESCRIPTION	DRAWN BY	APRVD. BY	DATE
C01	30% DETAILED DESIGN	E.SANGSEFID	A.HEAD	30/09/2022
C02	90% DETAILED DESIGN	E.SANGSEFID	A.HEAD	09/12/2022
C03	TRAFFIC RESOLUTION ISSUE	E.SANGSEFID	A.HEAD	10/02/2023
C04	ISSUE FOR CONSTRUCTION	E.SANGSEFID	A.HEAD	19/06/2023

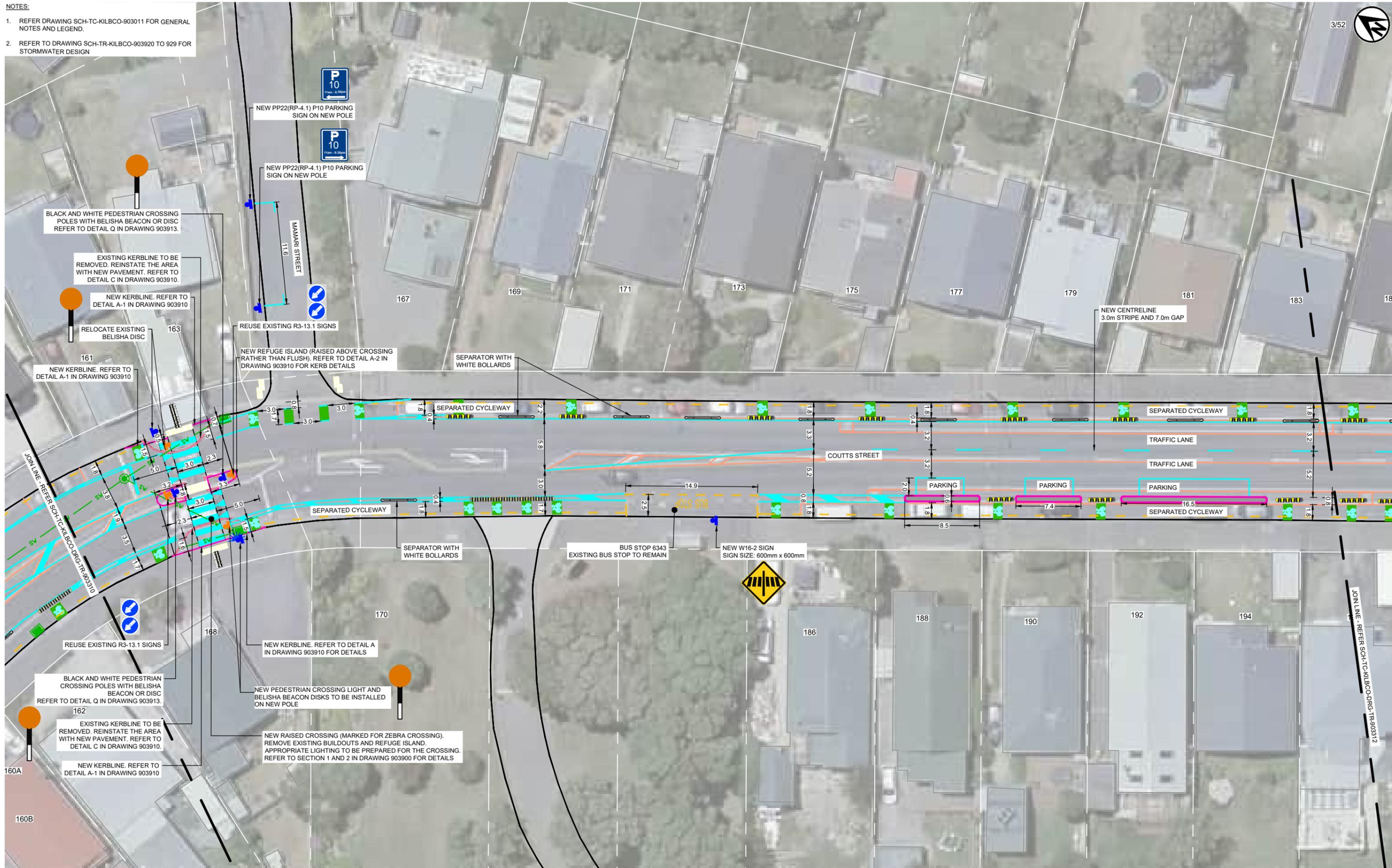
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DESIGN STAGE	GATE
DETAILED DESIGN	IFC
DRAWING STATUS	
FOR CONSTRUCTION	
APPROVED BY:	DESIGNED: E.SANGSEFID
A.HEAD	DES. CHECK: A.HEAD
APPROVED DATE:	DRAWN: E.SANGSEFID
19/06/2023	DRG. CHECK: J.BOSCH

PROJECT:	TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS	
TITLE:	COUTTS STREET GENERAL ARRANGEMENT SHEET 1	
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903310	C04

THIS DRAWING MAY CONTAIN COLOUR CONTENT. CORRECTLY PRINTED COPIES OF THIS DOCUMENT WILL DISPLAY THE LOGO IN COLOUR.

NOTES:
 1. REFER DRAWING SCH-TC-KILBCO-903011 FOR GENERAL NOTES AND LEGEND.
 2. REFER TO DRAWING SCH-TR-KILBCO-903920 TO 929 FOR STORMWATER DESIGN



CLIENT: **Manukau Palitani Wellington City Council**

ORIGINATOR: **abley** and **Isthmus.**

LAST SAVED BY: CHLI(2023-06-20) LAST PLOTTED: 2023-06-20

FILE LOCATION:

REV.	DESCRIPTION	DRAWN BY	APPRVD. BY	DATE
C01	30% DETAILED DESIGN	E.SANGSEFID	A.HEAD	30/09/2022
C02	90% DETAILED DESIGN	E.SANGSEFID	A.HEAD	09/12/2022
C03	TRAFFIC RESOLUTION ISSUE	E.SANGSEFID	A.HEAD	10/02/2023
C04	TRAFFIC RESOLUTION UPDATE	E.SANGSEFID	A.HEAD	10/02/2023
C05	ISSUE FOR CONSTRUCTION	E.SANGSEFID	A.HEAD	19/06/2023

DRAWING SCALE: 1:200

DESIGN STAGE: **DETAILED DESIGN**

GATE: **IFC**

DRAWING STATUS: **FOR CONSTRUCTION**

APPROVED BY: A.HEAD

DESIGNED: E.SANGSEFID

DES. CHECK: A.HEAD

APPROVED DATE: 19/06/2023

DRAWN: E.SANGSEFID

DRG. CHECK: J.BOSCH

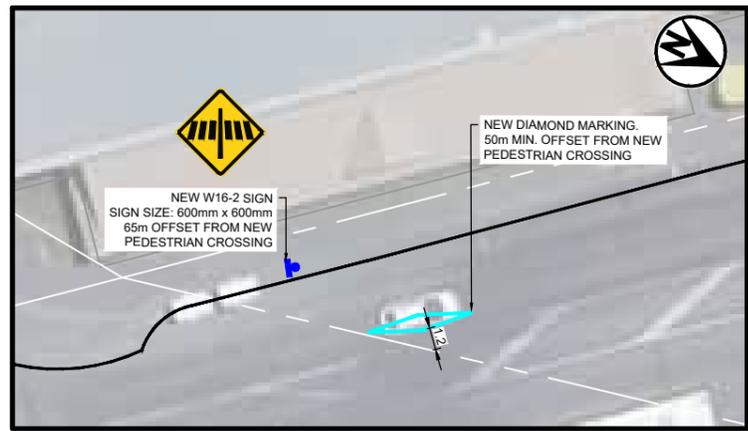
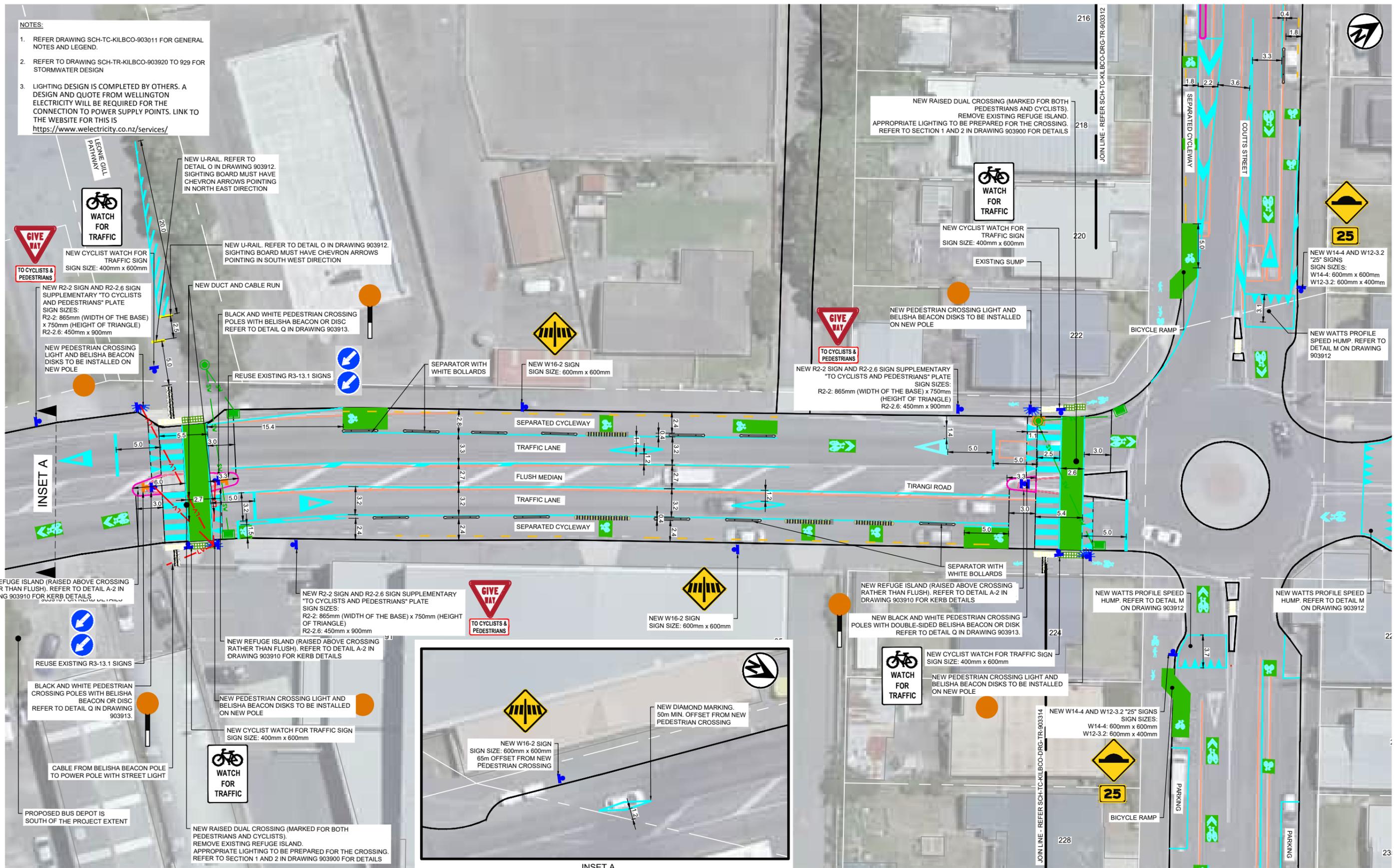
PROJECT: **TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS**

TITLE: **COUTTS STREET GENERAL ARRANGEMENT SHEET 2**

DOCUMENT: **SCH - TC - KILBCO - DRG - TR - 903311 C05**

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- NOTES:**
- REFER DRAWING SCH-TC-KILBCO-903011 FOR GENERAL NOTES AND LEGEND.
 - REFER TO DRAWING SCH-TR-KILBCO-903920 TO 929 FOR STORMWATER DESIGN
 - LIGHTING DESIGN IS COMPLETED BY OTHERS. A DESIGN AND QUOTE FROM WELLINGTON ELECTRICITY WILL BE REQUIRED FOR THE CONNECTION TO POWER SUPPLY POINTS. LINK TO THE WEBSITE FOR THIS IS <https://www.welcity.co.nz/services/>

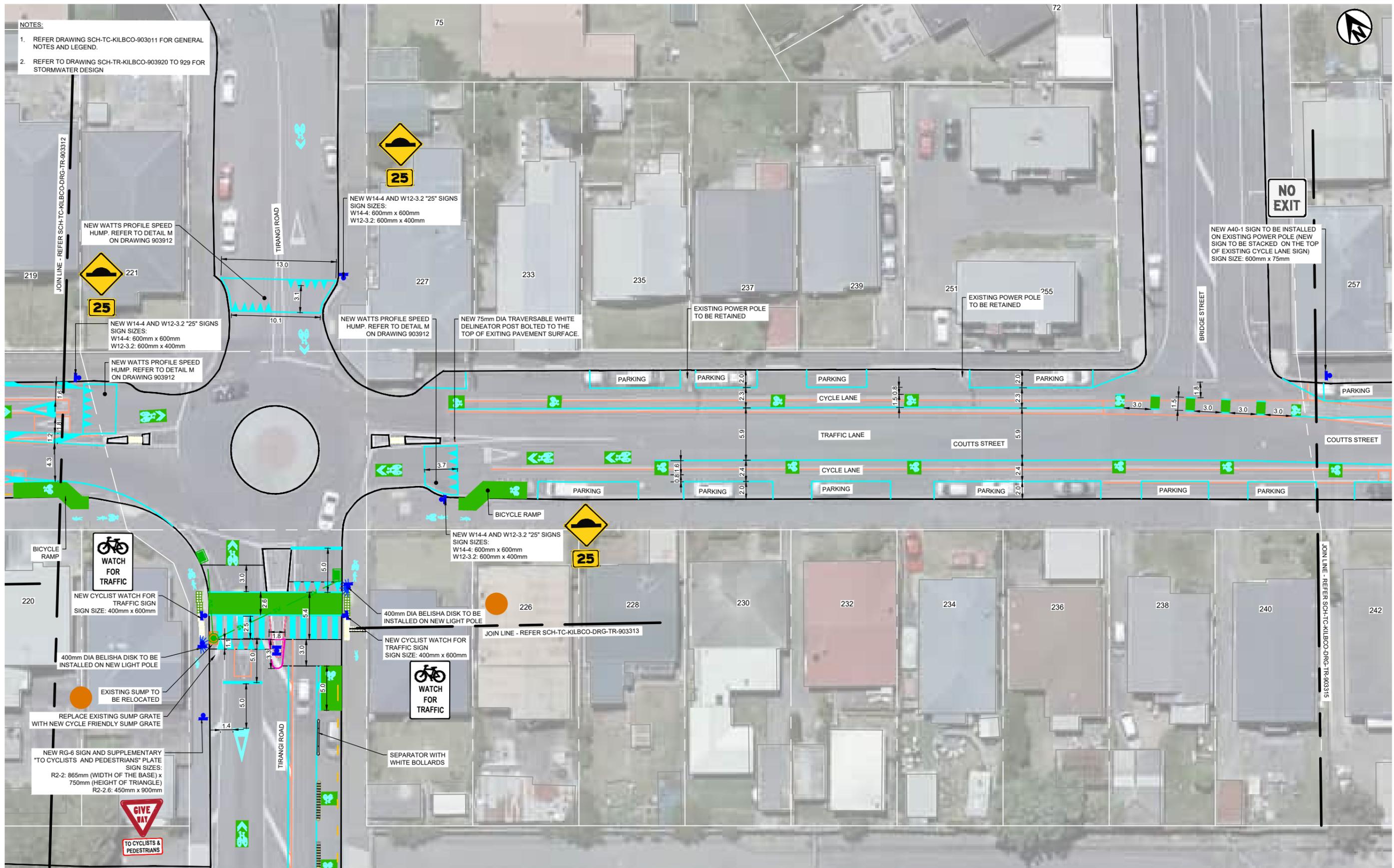


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CLIENT 	ORIGINATOR 	REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>REV.</td><td>DESCRIPTION</td><td>DRAWN BY</td><td>APRVD. BY</td><td>DATE</td></tr> <tr><td>C01</td><td>30% DETAILED DESIGN</td><td>E.SANGSEFID</td><td>A.HEAD</td><td>30/09/2022</td></tr> <tr><td>C02</td><td>90% DETAILED DESIGN</td><td>E.SANGSEFID</td><td>A.HEAD</td><td>09/12/2022</td></tr> <tr><td>C03</td><td>TRAFFIC RESOLUTION ISSUE</td><td>E.SANGSEFID</td><td>A.HEAD</td><td>10/02/2023</td></tr> <tr><td>C04</td><td>ISSUE FOR CONSTRUCTION</td><td>E.SANGSEFID</td><td>A.HEAD</td><td>19/06/2023</td></tr> </table>	REV.	DESCRIPTION	DRAWN BY	APRVD. BY	DATE	C01	30% DETAILED DESIGN	E.SANGSEFID	A.HEAD	30/09/2022	C02	90% DETAILED DESIGN	E.SANGSEFID	A.HEAD	09/12/2022	C03	TRAFFIC RESOLUTION ISSUE	E.SANGSEFID	A.HEAD	10/02/2023	C04	ISSUE FOR CONSTRUCTION	E.SANGSEFID	A.HEAD	19/06/2023	DESIGN STAGE DETAILED DESIGN	GATE IFC	PROJECT: TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS	TITLE: TIRANGI ROAD GENERAL ARRANGEMENT SHEET 4
REV.	DESCRIPTION	DRAWN BY	APRVD. BY	DATE																											
C01	30% DETAILED DESIGN	E.SANGSEFID	A.HEAD	30/09/2022																											
C02	90% DETAILED DESIGN	E.SANGSEFID	A.HEAD	09/12/2022																											
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LAST SAVED BY: CHLI(2023-06-20) LAST PLOTTED: 2023-06-20 FILE LOCATION:		SCALE 1:200		DRAWING STATUS FOR CONSTRUCTION		DOCUMENT: SCH - TC - KILBCO - DRG - TR - 903313 C04																									

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- NOTES:**
- REFER DRAWING SCH-TC-KILBCO-903011 FOR GENERAL NOTES AND LEGEND.
 - REFER TO DRAWING SCH-TR-KILBCO-903920 TO 929 FOR STORMWATER DESIGN



ORIGINAL SIZE: ISO A1 594mm x 841mm
300
200
150
100
50
10
0

CLIENT:  **Wairangi** Wellington City Council

ORIGINATOR:  **abley**
 **Isthmus**

LAST SAVED BY: CHLI(2023-06-20) LAST PLOTTED: 2023-06-20
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REV.	DESCRIPTION	DRAWN BY	APRVD. BY	DATE
C01	30% DETAILED DESIGN	E.SANGSEFID	A.HEAD	30/09/2022
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C04	ISSUE FOR CONSTRUCTION	E.SANGSEFID	A.HEAD	19/06/2023

SCALE: 0 5 10 m
1:200

DRAWING SCALE: 1:200

DESIGN STAGE	GATE
DETAILED DESIGN	IFC

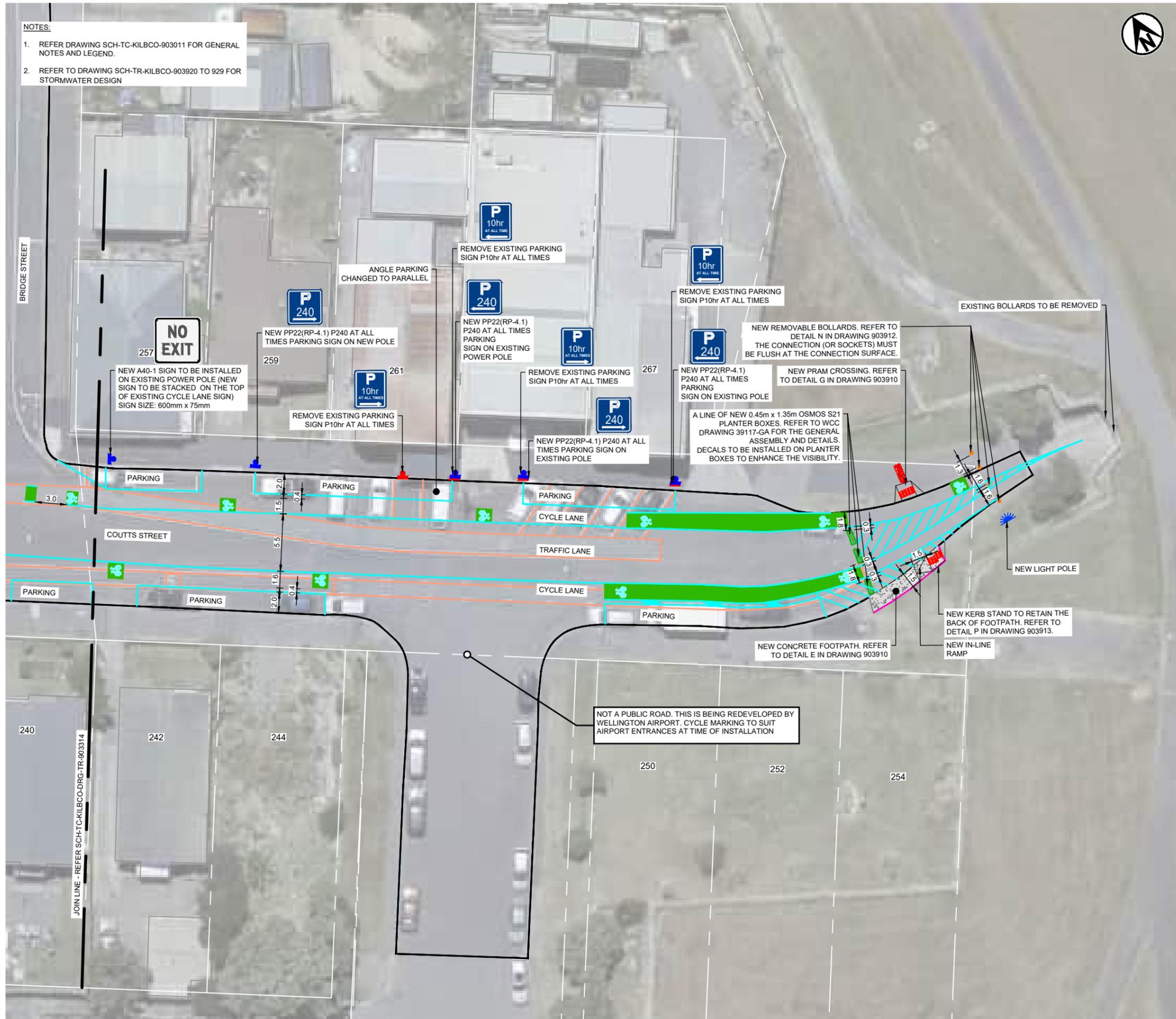
DRAWING STATUS: **FOR CONSTRUCTION**

APPROVED BY:	DESIGNED:	E.SANGSEFID
A.HEAD	DES. CHECK:	A.HEAD
APPROVED DATE:	DRAWN:	E.SANGSEFID
19/06/2023	DRG. CHECK:	J.BOSCH

PROJECT:	TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS			
TITLE:	COUTTS STREET GENERAL ARRANGEMENT SHEET 5			
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903314	C04	ORIGINATOR	PROJECT
	WORK STREAM	TYPE	DISCIPLINE	SHEET
				REVISION

THIS DRAWING MAY CONTAIN COLOUR CONTENT. CORRECTLY PRINTED COPIES OF THIS DOCUMENT WILL DISPLAY THE LOGO IN COLOUR.

- NOTES:**
- REFER DRAWING SCH-TC-KILBCO-903011 FOR GENERAL NOTES AND LEGEND.
 - REFER TO DRAWING SCH-TR-KILBCO-903920 TO 929 FOR STORMWATER DESIGN



ORIGINAL SIZE: ISO A1 594mm x 841mm

CLIENT: **Wairarapa District Council**

ORIGINATOR: **abley** and **Isthmus**

LAST SAVED BY: CHLI(2023-06-20) LAST PLOTTED: 2023-06-20

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C01	30% DETAILED DESIGN	E.SANGSEFIDI	A.HEAD	30/09/2022
C02	90% DETAILED DESIGN	E.SANGSEFIDI	A.HEAD	09/12/2022
C03	TRAFFIC RESOLUTION ISSUE	E.SANGSEFIDI	A.HEAD	10/02/2023
C04	TRAFFIC RESOLUTION ISSUE	E.SANGSEFIDI	A.HEAD	17/02/2023
C05	ISSUE FOR CONSTRUCTION	E.SANGSEFIDI	A.HEAD	19/06/2023

DRAWING SCALE: 1:200

DESIGN STAGE	GATE
DETAILED DESIGN	IFC

DRAWING STATUS: **FOR CONSTRUCTION**

APPROVED BY:	DESIGNED:	E.SANGSEFIDI
A.HEAD	DES. CHECK:	A.HEAD
APPROVED DATE:	DRAWN:	E.SANGSEFIDI
19/06/2023	DRG. CHECK:	J.BOSCH

PROJECT:	TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS				
TITLE:	COUTTS STREET GENERAL ARRANGEMENT SHEET 6				
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903315	SHEET:	C05	REVISION:	

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NOTES:
 1. REFER DRAWING SCH-TC-KILBCO-903011 FOR GENERAL NOTES AND LEGEND.



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200
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CLIENT:  Wairarapa District Council

ORIGINATOR:  Abley Isthmus

LAST SAVED BY: CHLI(2023-06-02) LAST PLOTTED: 2023-06-20

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REV.	DESCRIPTION	DRAWN BY	APRVD. BY	DATE
C01	TRAFFIC RESOLUTION ISSUE	E.SANGSEFID	A.HEAD	10/02/2023
C02	ISSUE FOR CONSTRUCTION	E.SANGSEFID	A.HEAD	19/06/2023

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DRAWING SCALE:	1:1500

DESIGN STAGE	GATE
DETAILED DESIGN	IFC
DRAWING STATUS	
FOR CONSTRUCTION	
APPROVED BY:	DESIGNED: E.SANGSEFID
A.HEAD	DES. CHECK: A.HEAD
APPROVED DATE:	DRAWN: E.SANGSEFID
19/06/2023	DRG. CHECK: J.BOSCH

PROJECT:	TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS			
TITLE:	LYALL PARADE SECTION COVERSHEET			
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903400	SHEET	C02	REVISION

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NOTES:
 1. REFER DRAWING SCH-TC-KILBCO-903011 FOR GENERAL NOTES AND LEGEND.



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CLIENT:

ORIGINATOR:

LAST SAVED BY: CHLI(2023-06-19) LAST PLOTTED: 2023-06-20

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REV.	DESCRIPTION	DRAWN BY	APRVD. BY	DATE
C01	TRAFFIC RESOLUTION ISSUE	E.SANGSEFIDI	A.HEAD	10/02/2023
C02	ISSUE FOR CONSTRUCTION	E.SANGSEFIDI	A.HEAD	02/06/2023

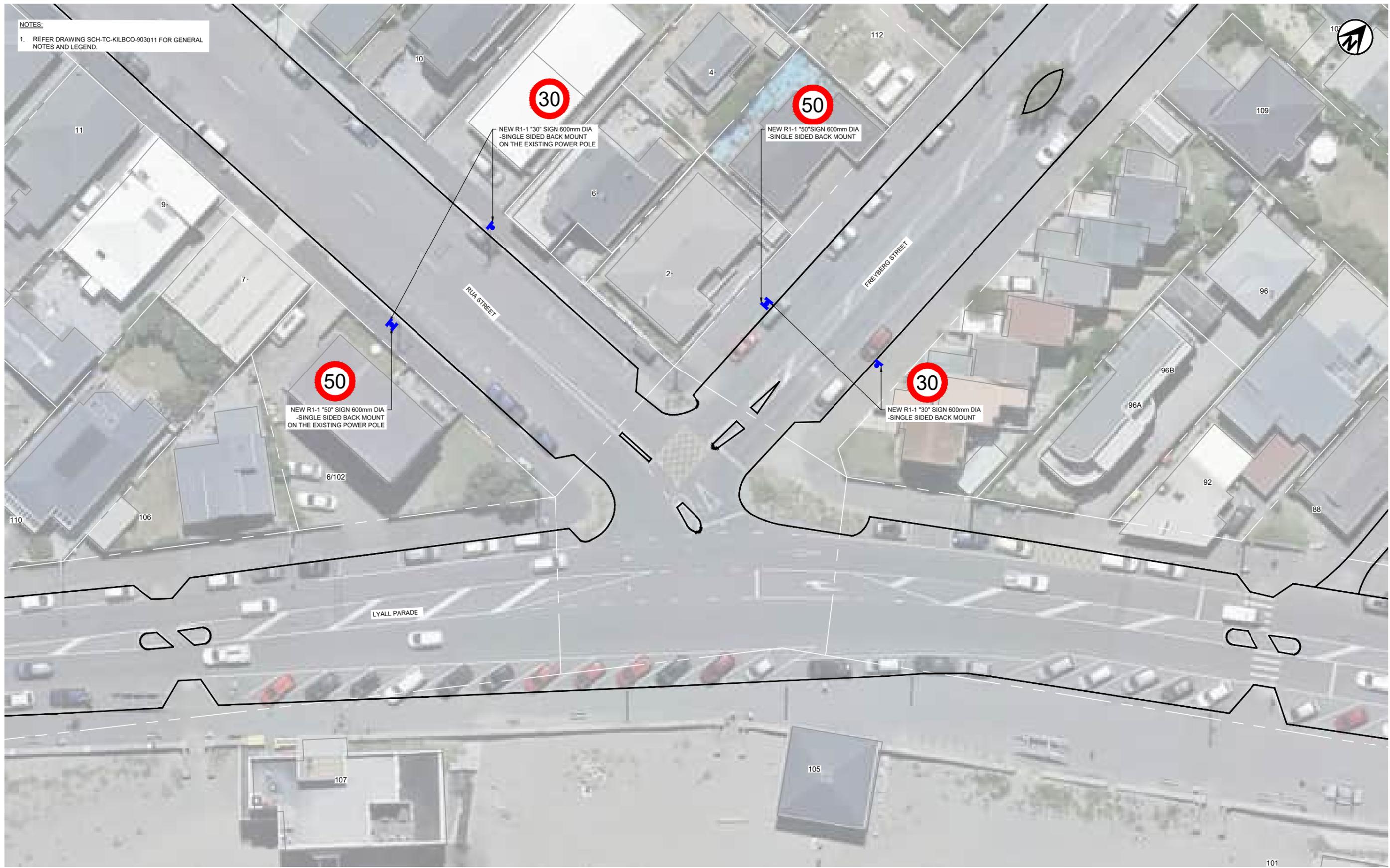
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		APPROVED DATE: 02/06/2023	DES. CHECK: A.HEAD
			DRAWN: E.SANGSEFIDI
			DRG. CHECK: J.BOSCH
		DRAWING SCALE: 1:200	

PROJECT:	TITLE:
TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS	LYALL PARADE SHEET 1
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903410
	C02

ORIGINATOR	PROJECT	WORK STREAM	TYPE	DISCIPLINE	SHEET	REVISION

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NOTES:
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ORIGINAL SIZE: ISO A1 594mm x 841mm

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100

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<p>CLIENT</p> 	<p>ORIGINATOR</p>  
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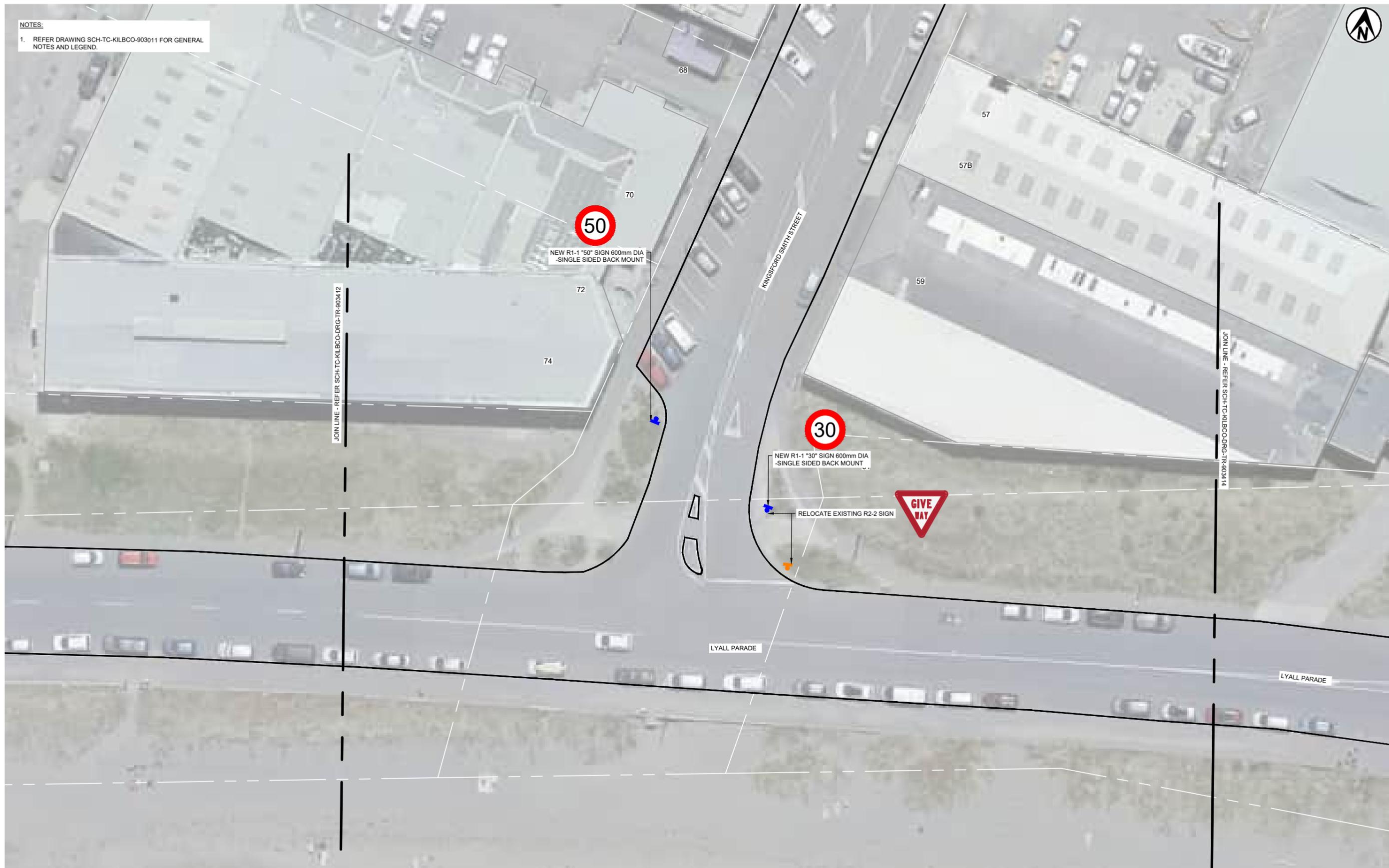
LAST SAVED BY: CHLI(2023-06-19) LAST PLOTTED: 2023-06-20
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REVISIONS	SCALE	DRAWING INFORMATION																															
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REV.	DESCRIPTION	DRAWN BY	APRVD. BY	DATE																													
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C02	ISSUE FOR CONSTRUCTION	E.SANGSEFID	A.HEAD	02/06/2023																													
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02/06/2023	DRG. CHECK: J.BOSCH																																

PROJECT:	TRANSITIONAL CYCLEWAYS
	KILBIRNIE CONNECTIONS
TITLE:	LYALL PARADE SHEET 2
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903411 C02

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NOTES:
 1. REFER DRAWING SCH-TC-KILBCO-903011 FOR GENERAL NOTES AND LEGEND.



CLIENT

ORIGINATOR



REV.	DESCRIPTION	DRAWN BY	APRVD. BY	DATE
C01	TRAFFIC RESOLUTION ISSUE	E.SANGSEFIDI	A.HEAD	10/02/2023
C02	ISSUE FOR CONSTRUCTION	E.SANGSEFIDI	A.HEAD	02/06/2023



DRAWING SCALE:
1:200

DESIGN STAGE	GATE
DETAILED DESIGN	IFC
DRAWING STATUS	
FOR CONSTRUCTION	
APPROVED BY:	DESIGNED:
A.HEAD	E.SANGSEFIDI
APPROVED DATE:	DES. CHECK:
02/06/2023	A.HEAD
	DRAWN:
	E.SANGSEFIDI
	DRG. CHECK:
	J.BOSCH

PROJECT:	TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS	
TITLE:	LYALL PARADE SHEET 4	
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903413	C02
ORIGINATOR	PROJECT	WORK STREAM
TYPE	DISCIPLINE	SHEET
REVISION		

LAST SAVED BY: CHLI(2023-06-19) LAST PLOTTED: 2023-06-20
 FILE LOCATION:

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NOTES:
 1. REFER DRAWING SCH-TC-KILBCO-903011 FOR GENERAL NOTES AND LEGEND.

JOIN LINE - REFER SCH-TC-KILBCO-DRG-TR-903413



NEW R1-1 "30" SIGN 600mm DIA
 -1300mm HEIGHT
 -700mm WIDTH
 -SINGLE SIDED BACK MOUNT
 -ATTACHED ON THE EXISTING LIGHT POLE



NEW R1-1 "50" SIGN 600mm DIA
 -SINGLE SIDED BACK MOUNT
 -ATTACHED ON THE EXISTING LIGHT POLE



NEW 30kph ROAD MARKING



NEW R1-1 "30" SIGN 600mm DIA
 -1300mm HEIGHT
 -700mm WIDTH
 -SINGLE SIDED BACK MOUNT
 -ATTACHED TO THE NEW POST

300
200
150
100
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CLIENT

ORIGINATOR



REVISIONS

REV.	DESCRIPTION	DRAWN BY	APPRD. BY	DATE
C01	TRAFFIC RESOLUTION ISSUE	E.SANGSEFIDI	A.HEAD	10/02/2023
C02	ISSUE FOR CONSTRUCTION	E.SANGSEFIDI	A.HEAD	02/06/2023



DRAWING SCALE:
1:200

DESIGN STAGE

DETAILED DESIGN

GATE

IFC

DRAWING STATUS

FOR CONSTRUCTION

APPROVED BY:	DESIGNED:	E.SANGSEFIDI
A.HEAD	DES. CHECK:	A.HEAD
APPROVED DATE:	DRAWN:	E.SANGSEFIDI
02/06/2023	DRG. CHECK:	J.BOSCH

PROJECT:

**TRANSITIONAL CYCLEWAYS
KILBIRNIE CONNECTIONS**

TITLE:

LYALL PARADE
SHEET 5

DOCUMENT:

ORIGINATOR	PROJECT	WORK STREAM	TYPE	DISCIPLINE	SHEET	REVISION
SCH - TC - KILBCO - DRG - TR - 903414					C02	

LAST SAVED BY: CHLI(2023-06-19) LAST PLOTTED: 2023-06-20

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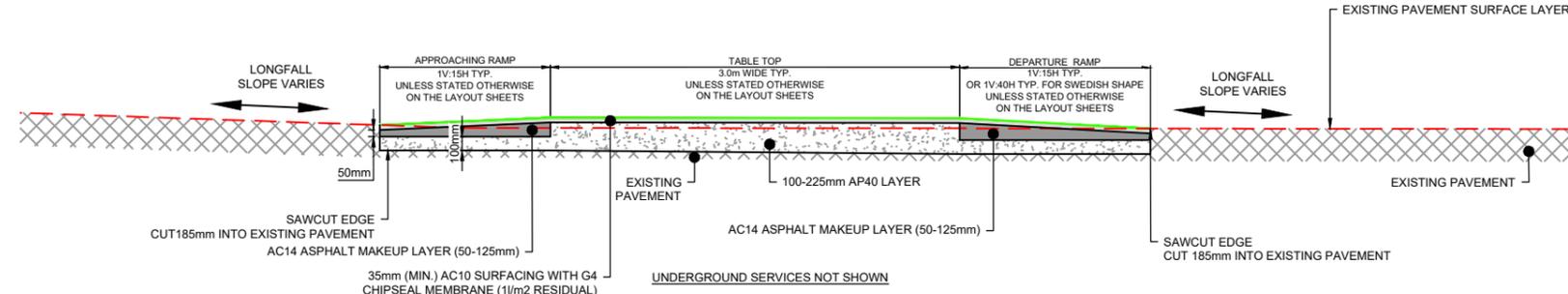
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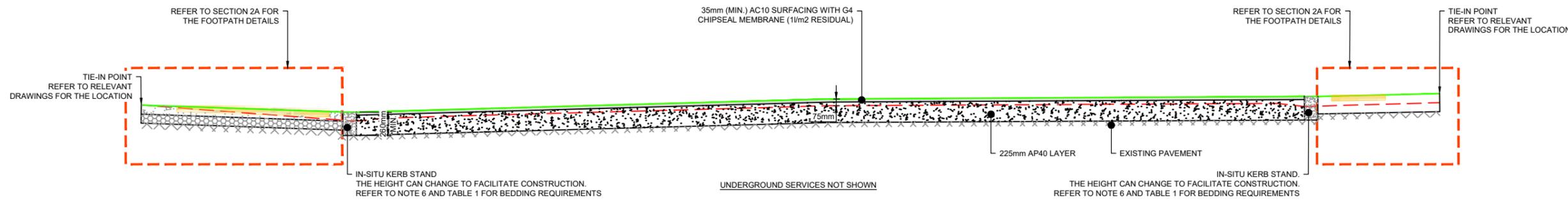
NOTE:

- REFER DRAWING SCH-TC-KILBCO-DRG-TR-903011 FOR GENERAL NOTES AND LEGEND.
- EXISTING GROUND LINE IS INDICATIVE ONLY AND THE PROPOSED LEVELS ARE RELATIVE TO THE EXISTING GROUND.
- 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.
- CONTRACTOR SHALL CONSULT WITH SITE ENGINEER IF THE EXISTING PAVEMENT CONDITION IS INADEQUATE UPON EXCAVATION.
- 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.
- REFER TO DRAWINGS SCH-TC-KILBCO-DRG-DR-903920 TO 903929 FOR STORWATER DESIGN LAYOUTS.

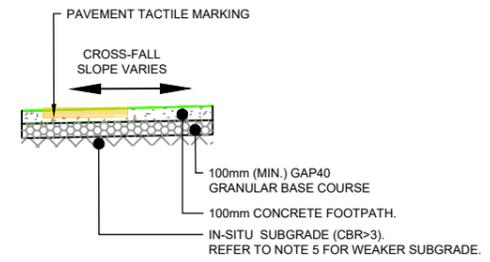
LEGEND
EXISTING GROUND
DESIGN SURFACE



1 RAISED TABLE - TYPICAL SECTION ALONG THE CENTRE LINE OF THE ROAD
SCALE 1:25



2 TYPICAL SECTION ALONG THE RAISED TABLE
SCALE 1:25



2A NEW FOOTPATH NEXT TO THE RAISED TABLE
SCALE 1:25

ORIGINAL SIZE: ISO A1 594mm x 841mm

CLIENT: **Willingboro City Council**

ORIGINATOR: **Abley** and **Isthmus**

LAST SAVED BY: CHLI(2023-06-19) LAST PLOTTED: 2023-06-20

FILE LOCATION:

REV.	DESCRIPTION	DRAWN BY	APRVD. BY	DATE
C01	ISSUE FOR CONSTRUCTION	E.SANGSEFIDI	A.HEAD	19/06/2023

SCALE: 1:25

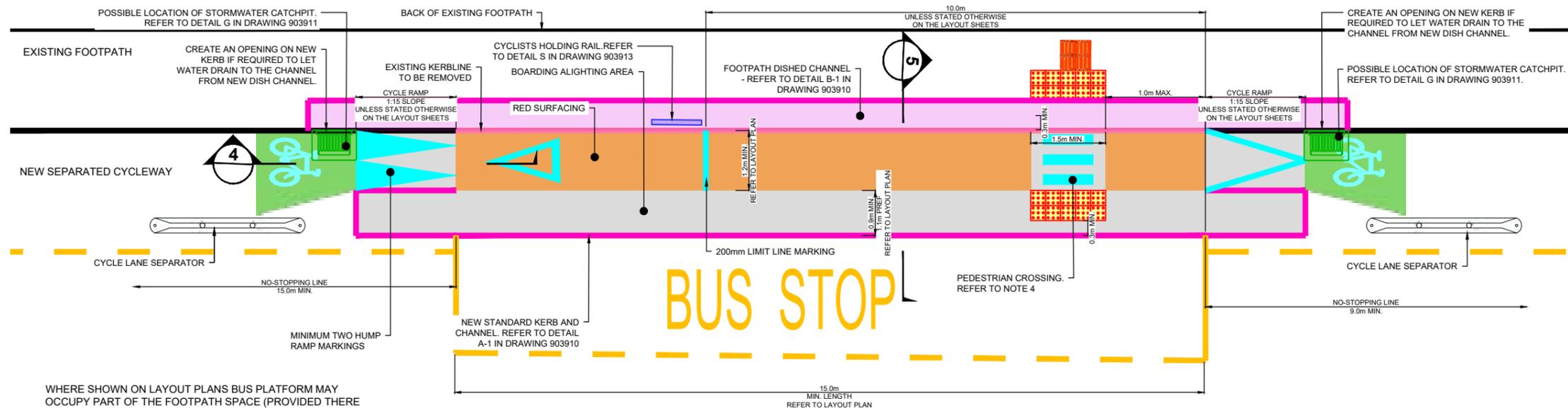
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FOR CONSTRUCTION	
APPROVED BY:	DESIGNED: E.SANGSEFIDI
A.HEAD	DES. CHECK: B.RODENBURG
APPROVED DATE:	DRAWN: E.SANGSEFIDI
19/06/2023	DRG. CHECK: J.BOSCH

DRAWING SCALE: 1:25

PROJECT:	TRANSITIONAL CYCLEWAYS
TITLE:	KILBIRNIE CONNECTIONS
TITLE:	RAISED PEDESTRIAN CROSSING
TITLE:	TYPICAL LAYOUT
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903900

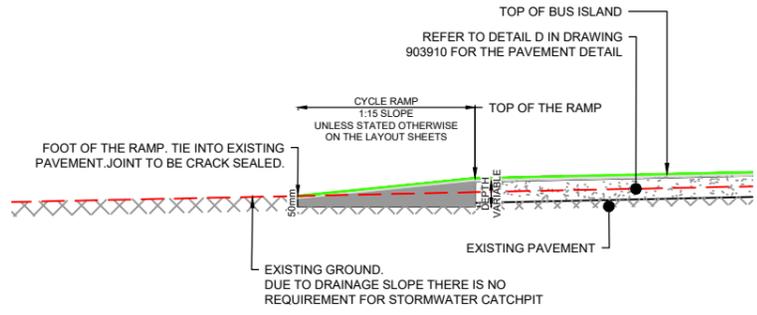
ORIGINATOR	PROJECT	WORK STREAM	TYPE	DISCIPLINE	SHEET	REVISION
						C01

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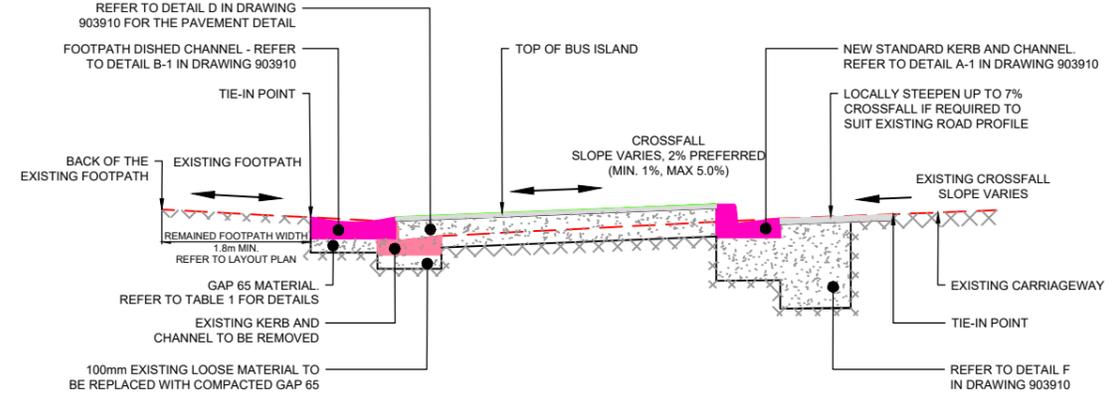


WHERE SHOWN ON LAYOUT PLANS BUS PLATFORM MAY OCCUPY PART OF THE FOOTPATH SPACE (PROVIDED THERE ARE NO POLES IN THE WAY AND MINIMUM FOOTPATH WIDTH MAINTAINED). THIS IS SHOWN ON DETAIL 3-B DRAWING 903902

3 NOMINAL WIDTH ISLAND BUS STOP
SCALE 1:50



4 CYCLE RAMP - TYPICAL CROSS SECTION
SCALE 1:25



5 TYPICAL CROSS SECTION
SCALE 1:25

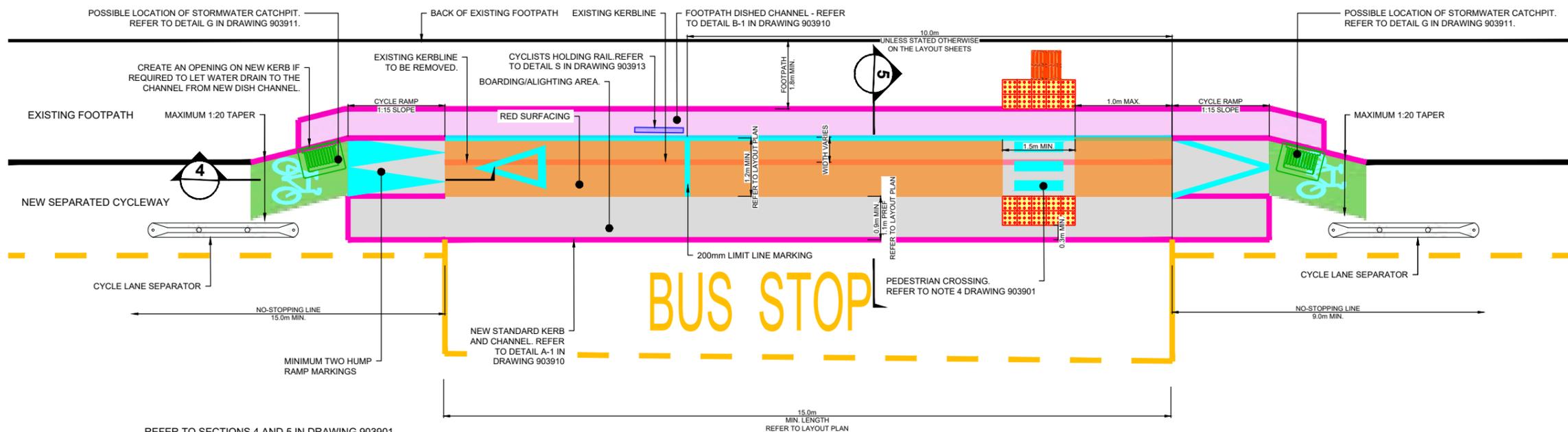
TABLE 1: PAVEMENT CONTINGENCY PLANS			
IN-SITU CBR	SUBGRADE IMPROVEMENT REQUIREMENTS		
	BUS ISLAND AND FOOTPATH	KERB AND CHANNEL	PAVEMENT
4%	NOT REQUIRED - REFER TO DETAIL B	150mm	NOT REQUIRED - REFER TO DETAIL C IN DRAWING 903910
3%	NOT REQUIRED - REFER TO DETAIL B	150mm	NOT REQUIRED - REFER TO DETAIL C IN DRAWING 903910
2%	150mm	300mm	150mm
1%	300mm	600mm	300mm
0.5%	450mm	900mm	450mm

- NOTE:**
- REFER DRAWING SCH-TC-KILBCO-DRG-TR-903011 FOR GENERAL NOTES AND LEGEND.
 - NOMINAL BUS ISLAND ONLY TO BE USED WHERE THE FULL AND NARROW ISLAND WIDTH CANNOT BE ACHIEVED.
 - PEDESTRIAN CROSSING MARKING INCLUDES 200 WIDE (MIN.) BARS AND 200mm GAP.
 - ALL STORMWATER CATCHPIT MUST HAVE A CYCLE FRIENDLY LID.
 - WHERE THE CROSSFALL OF NEW BUS ISLAND IS TOWARD THE EXISTING CARRIAGEWAY OR EXISTING FOOTPATH SLOPED TO THE BACK OF FOOTPATH THERE IS NO REQUIREMENT TO INSTALL DISHED CHANNEL BETWEEN THE EXISTING FOOTPATH AND NEW CYCLE LANE.

LEGEND	
EXISTING GROUND	-----
DESIGN SURFACE	_____

CLIENT: Wellingborough City Council		ORIGINATOR: Abley		DESIGN STAGE: DETAILED DESIGN	GATE: 100%	PROJECT: TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS
LAST SAVED BY: CHLI(2023-06-19) LAST PLOTTED: 2023-06-20		PRINTED COPIES OF THIS DOCUMENT ARE UNCONTROLLED		DRAWING STATUS: FOR CONSTRUCTION		TITLE: BUS ISLAND TYPICAL LAYOUT AND DETAILS
REVISIONS:		DRAWING INFORMATION:		DRAWING INFORMATION:		ORIGINATOR: SCH - TC - KILBCO - DRG - TR - 903901
REV.:	DESCRIPTION:	DRAWN BY:	APPRVD. BY:	DATE:	APPROVED BY:	REVISION: C01
01	ISSUE FOR CONSTRUCTION	E.SANGSEFIDI	A.HEAD	19/06/2023	DESIGNED: E.SANGSEFIDI	
					DES. CHECK: B.RODENBURG	
					DRAWN: E.SANGSEFIDI	
					DRG. CHECK: J.BOSCH	
SCALE: 1:25		SCALE: 1:50		DRAWING SCALE: AS SHOWN		DOCUMENT: SCH - TC - KILBCO - DRG - TR - 903901

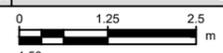
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LEGEND	
EXISTING GROUND	-----
DESIGN SURFACE	—————

3-B NOMINAL WIDTH ISLAND BUS STOP - SHARED SPACE
SCALE 1:50

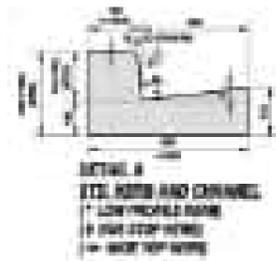
300
200
150
100
50
30
10
0

<p>CLIENT</p> 	<p>ORIGINATOR</p> 	<p>DESIGN STAGE</p> <p>DETAILED DESIGN</p>	<p>GATE</p> <p>100%</p>	<p>PROJECT:</p> <p>TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS</p>										
		<p>DRAWING STATUS</p> <p>FOR CONSTRUCTION</p>												
		<p>APPROVED BY:</p> <p>A.HEAD</p>	<p>DESIGNED:</p> <p>E.SANGSEFIDI</p>	<p>TITLE:</p> <p>BUS ISLAND TYPICAL LAYOUT AND DETAILS</p>										
		<p>APPROVED DATE:</p> <p>19/06/2023</p>	<p>DES. CHECK:</p> <p>B.RODENBURG</p>											
		<p>DRAWN BY:</p> <p>E.SANGSEFIDI</p>	<p>DRAWN:</p> <p>E.SANGSEFIDI</p>											
		<p>DRG. CHECK:</p> <p>J.BOSCH</p>												
		<p>DRAWING SCALE:</p> <p>1:50</p>												
		<p>DOCUMENT:</p> <p>SCH - TC - KILBCO - DRG - TR - 903902</p>												
		<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DRAWN BY</th> <th>APRVD. BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>C01</td> <td>ISSUE FOR CONSTRUCTION</td> <td>E.SANGSEFIDI</td> <td>A.HEAD</td> <td>19/06/2023</td> </tr> </tbody> </table>			REV.	DESCRIPTION	DRAWN BY	APRVD. BY	DATE	C01	ISSUE FOR CONSTRUCTION	E.SANGSEFIDI	A.HEAD	19/06/2023
REV.	DESCRIPTION	DRAWN BY	APRVD. BY	DATE										
C01	ISSUE FOR CONSTRUCTION	E.SANGSEFIDI	A.HEAD	19/06/2023										
		<p>SCALE</p> 												
<p>LAST SAVED BY: CHLI(2023-06-19) LAST PLOTTED: 2023-06-20</p> <p>FILE LOCATION:</p>		<p>PRINTED COPIES OF THIS DOCUMENT ARE UNCONTROLLED</p>												

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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: GUIDELINE FOR FACILITIES FOR BLIND AND VISION-IMPAIRED PEDESTRIANS.
 - AS/NZS 1428.4:2009 DESIGN FOR ACCESS AND MOBILITY.
 - WAKA KOTAHU 20-20 TACTILE INDICATOR INSTALLATION NOTE
- REFER TO WCC CODE OF PRACTICE FOR LAND DEVELOPMENT FOR TACTILE BEDDING PROPERTIES.
- 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.



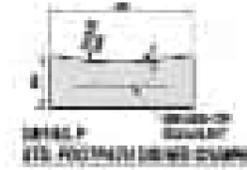
REFER TO PLAN NO. R-22-700 IN WCC CODE OF PRACTICE FOR LAND DEVELOPMENT FOR DETAILS

A-1 STANDARD KERB
SCALE 1:10



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

A-2 MOUNTABLE KERB
SCALE 1:10



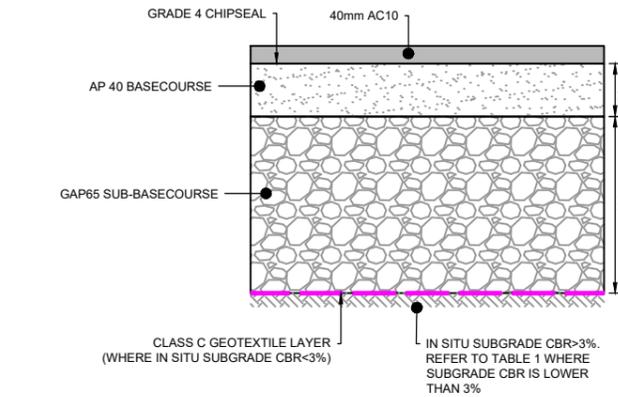
REFER TO PLAN NO. R-22-700 IN WCC CODE OF PRACTICE FOR LAND DEVELOPMENT FOR DETAILS

B-1 FOOTPATH DISHED CHANNEL
SCALE 1:10

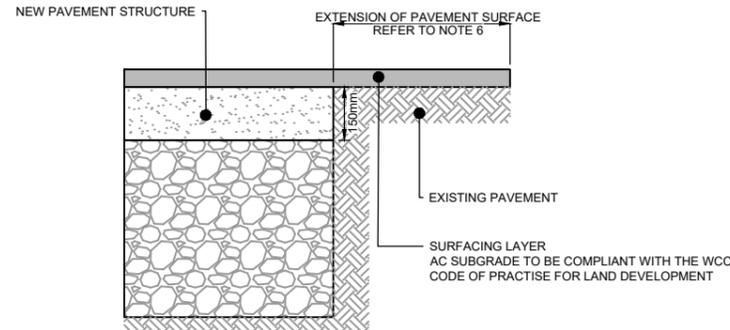


REFER TO PLAN NO. R-45-702 IN WCC CODE OF PRACTICE FOR LAND DEVELOPMENT FOR DETAILS

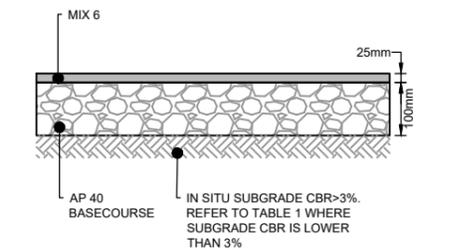
B-2 CARRIAGEWAY DISHED CHANNEL
SCALE 1:10



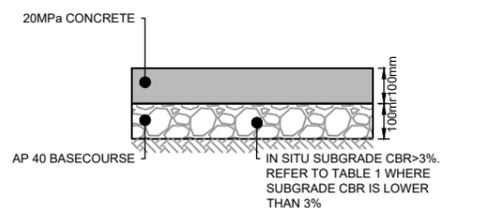
C ROAD PAVEMENT DETAIL - DESA = 5.7 E06 (COUTTS ST)
SCALE 1:10



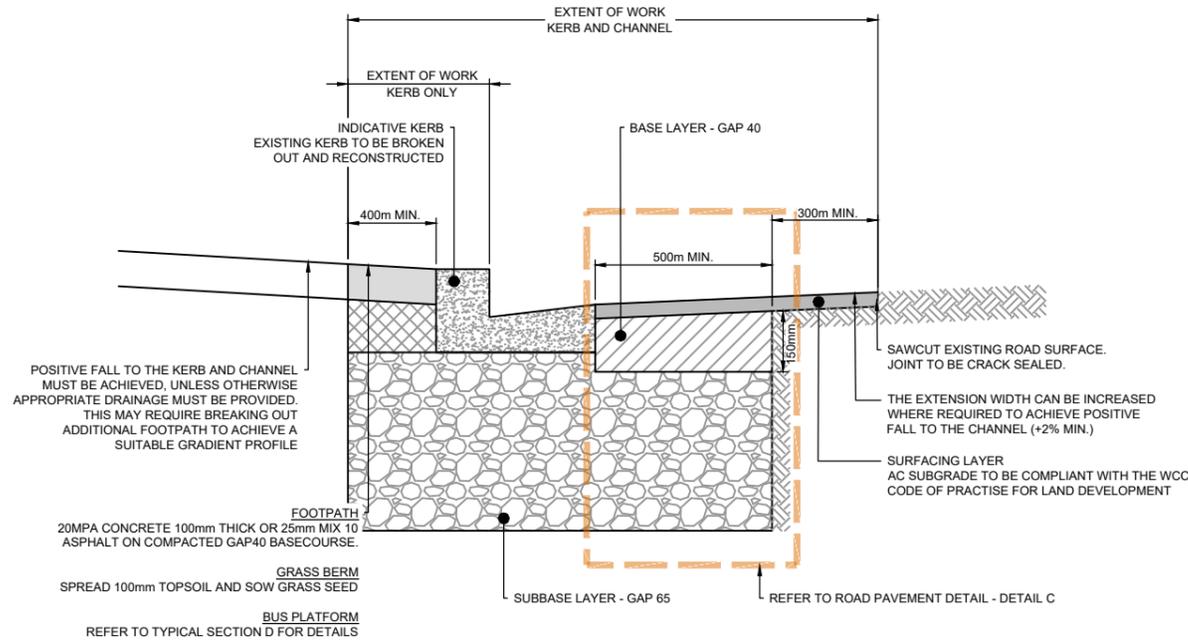
C-1 PAVEMENT JOINTS
SCALE 1:10



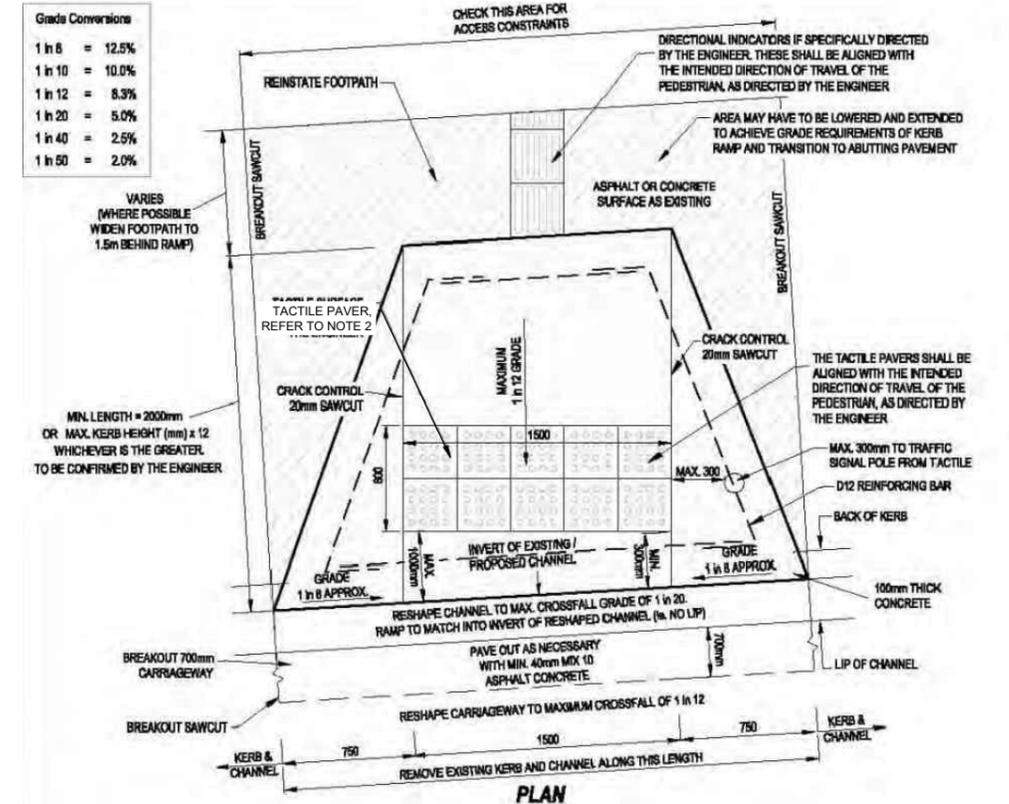
D ASPHALT FOOTPATH PAVEMENT
SCALE 1:10



E CONCRETE FOOTPATH PAVEMENT
SCALE 1:10



F KERB AND CHANNEL AND KERB ONLY REPLACEMENT
SCALE 1:10



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

G PEDESTRIAN RAMP WITH TACTILE PAVERS - PLAN
SCALE 1:20



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

G-1 PEDESTRIAN RAMP WITH TACTILE PAVERS - SECTION
SCALE 1:20

CLIENT		ORIGINATOR		DESIGN STAGE		GATE		PROJECT:	
Auckland Pathways Wellington City Council		Abley		DETAILED DESIGN		100%		TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS	
20MPa CONCRETE		20MPa CONCRETE 100mm THICK OR 25mm MIX 10 ASPHALT ON COMPACTED GAP40 BASECOURSE.		DRAWING STATUS		FOR CONSTRUCTION		GENERAL DETAILS SHEET 1	
AP 40 BASECOURSE		GRASS BERM SPREAD 100mm TOPSOIL AND SOW GRASS SEED		APPROVED BY:		DESIGNED:		TITLE:	
IN SITU SUBGRADE CBR>3%. REFER TO TABLE 1 WHERE SUBGRADE CBR IS LOWER THAN 3%		SUBBASE LAYER - GAP 65		A.HEAD		E.SANGSEFIDI		SCH - TC - KILBCO - DRG - TR - 903910	
IN SITU SUBGRADE CBR>3%. REFER TO TABLE 1 WHERE SUBGRADE CBR IS LOWER THAN 3%		REFER TO ROAD PAVEMENT DETAIL - DETAIL C		APRVD. BY		B.RODENBURG		C01	
IN SITU SUBGRADE CBR>3%. REFER TO TABLE 1 WHERE SUBGRADE CBR IS LOWER THAN 3%		REFER TO TYPICAL SECTION D FOR DETAILS		DATE		E.SANGSEFIDI		REVISION	
IN SITU SUBGRADE CBR>3%. REFER TO TABLE 1 WHERE SUBGRADE CBR IS LOWER THAN 3%		REFER TO ROAD PAVEMENT DETAIL - DETAIL C		DRAWING SCALE:		J.BOSCH		C01	
IN SITU SUBGRADE CBR>3%. REFER TO TABLE 1 WHERE SUBGRADE CBR IS LOWER THAN 3%		REFER TO ROAD PAVEMENT DETAIL - DETAIL C		1:25		DRG. CHECK:		C01	
IN SITU SUBGRADE CBR>3%. REFER TO TABLE 1 WHERE SUBGRADE CBR IS LOWER THAN 3%		REFER TO ROAD PAVEMENT DETAIL - DETAIL C		1:1500		J.BOSCH		C01	
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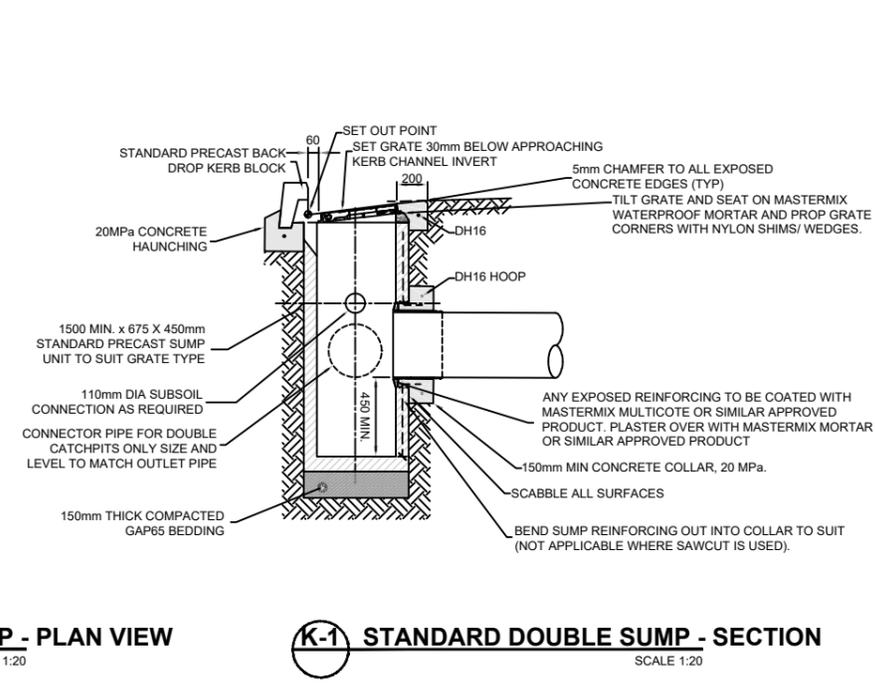
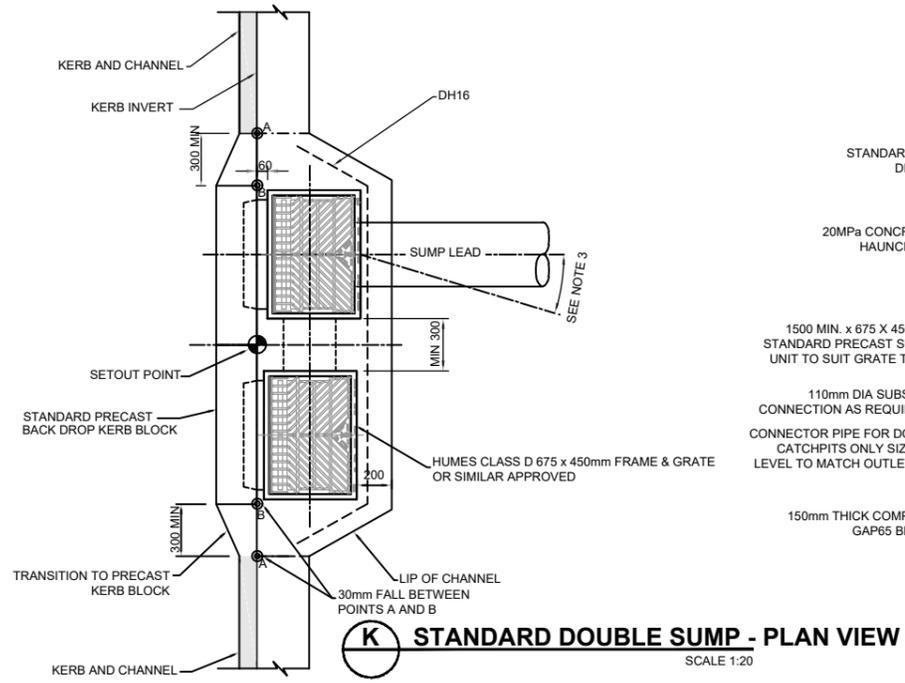
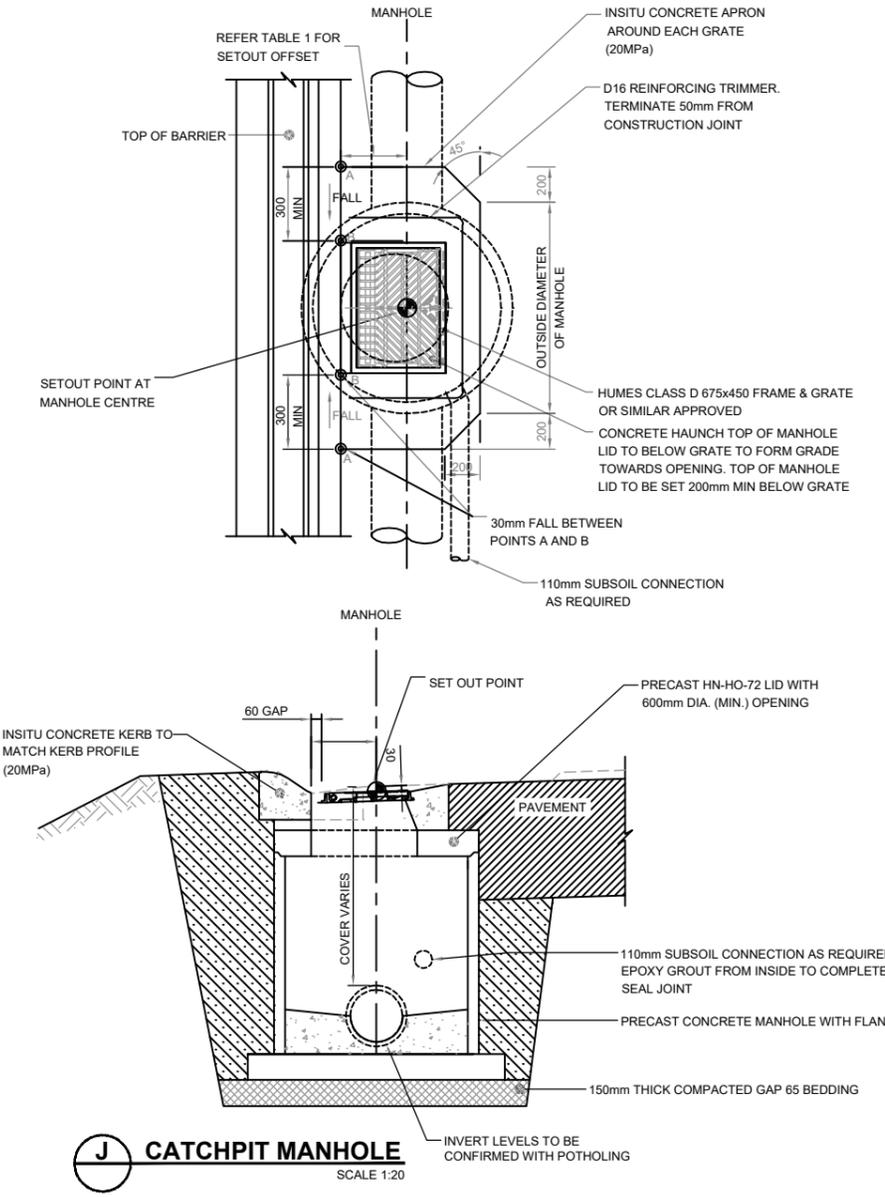
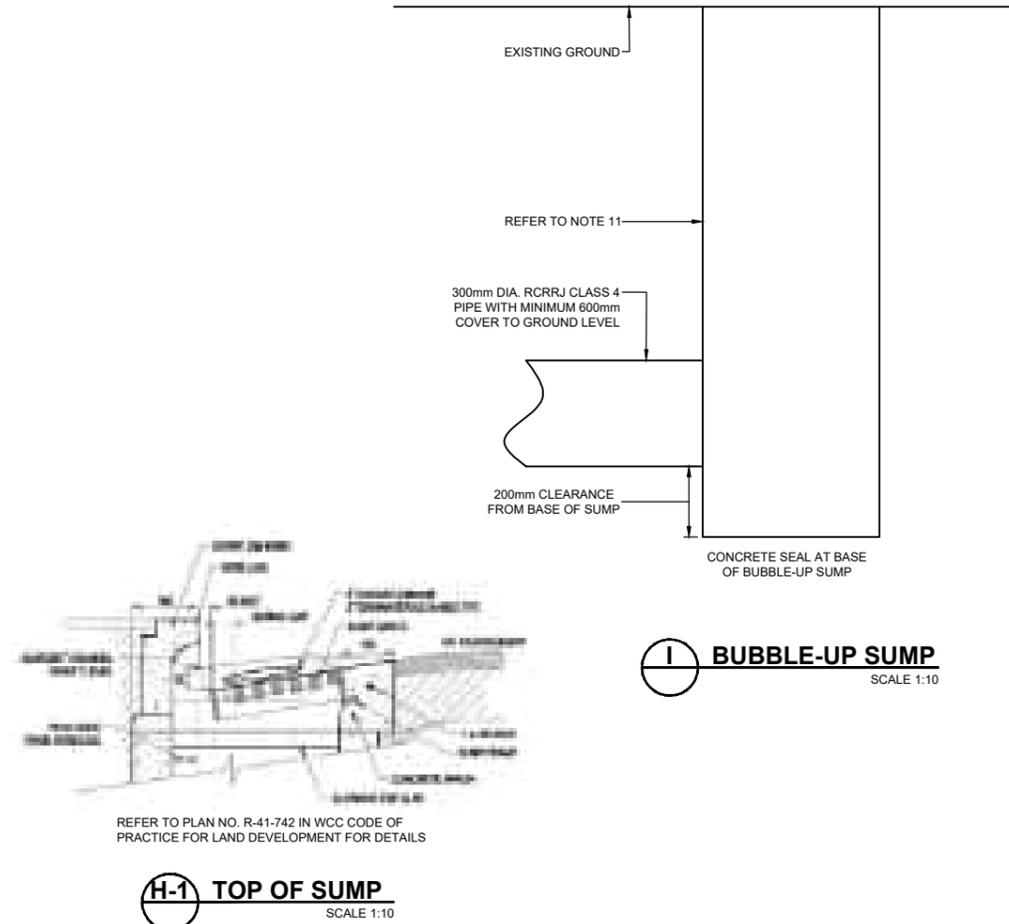
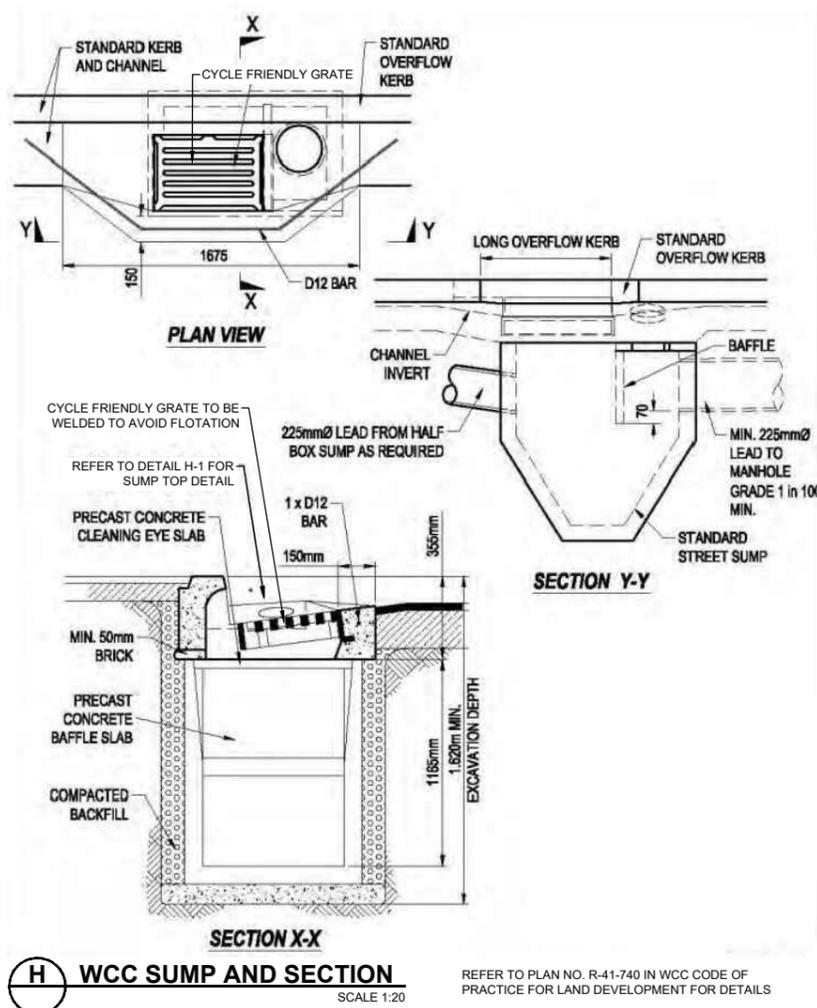
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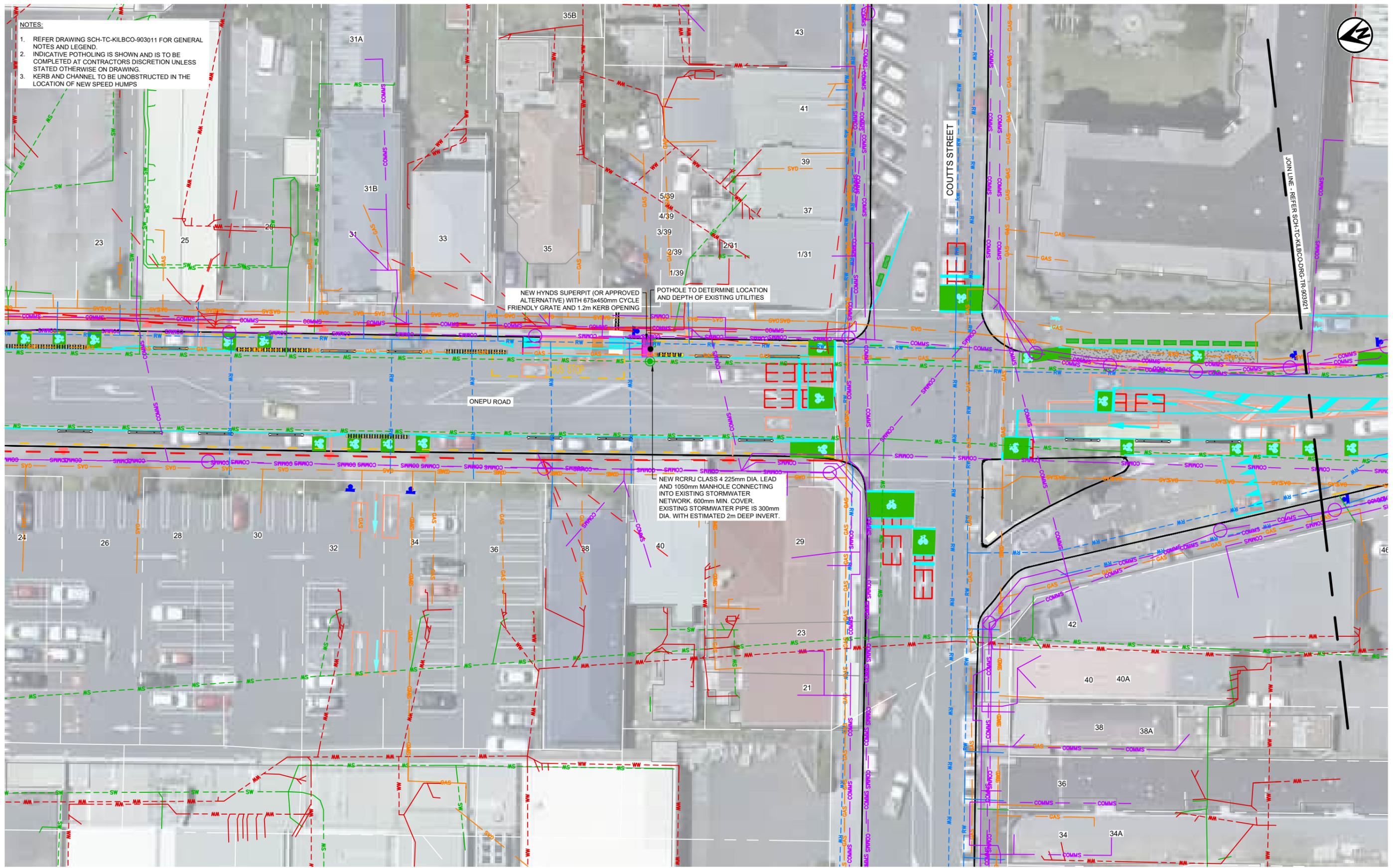
NOTE:

- 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 SITE AND THE OWNER OF THE DAMAGED SERVICE TO ARRANGE FOR REPAIRS TO BE CARRIED OUT ON CONTRACTOR'S 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 LAYERS AND COMPACTED USING SUITABLE COMPACTION EQUIPMENT.
- WHERE A TRENCH IS ON CONCRETE, ASPHALT, OR CHIPSEAL SURFACE, THE EDGE OF TRENCH SHALL BE CUT WITH A POWER SAW PRIOR TO THE EXCAVATION OF THE TRENCH. THE CUT IS TO EXTEND THROUGH THE FULL THICKNESS OF THE SURFACE LAYER IN A CLEAN STRAIGHT PARALLEL LINE.
- ALL BEDDING AND CUSHION MATERIAL MUST BE FREE DRAINING, NON-COMPRESSIBLE GRANULAR MATERIAL.
- ROAD SURFACE JOINT ARE TO BE SEALED WITH APPROVED SEALANT.
- WHERE STABILISED LAYERS EXIST UNDER THE PAVEMENT, THE TRENCH SHALL BE REINSTATED WITH SIMILAR MATERIALS. USING OTHER MATERIALS SHALL BE APPROVED BY THE ENGINEER.
- SEE WELLINGTON WATER REGIONAL SPECIFICATION FOR WATER SERVICES DRG-01 FOR MANHOLE INSTALLATION DETAILS.
- SET OUT OF CATCHPITS AND CATCHPIT MANHOLES TO BE CONFIRMED BY CONTRACTOR ON SITE TO ENSURE
 - LOCATED AT LOW POINTS ON THE CARRIAGEWAY;
 - TO SUIT KERB LEVELS AND POSITION; AND
 - POTHOLED SERVICES
- BUBBLE-UP SUMP:
 - BUBBLE-UP SUMP IS TO MATCH WELLINGTON CITY COUNCIL STANDARD SUMP REQUIREMENTS. ADDITIONAL REQUIREMENTS FOR BUBBLE-UP SUMP ARE NOTED.
 - BUBBLE-UP SUMP LID LEVEL IS TO BE AT LEAST 150mm LOWER THAN THE UPSTREAM INLET SUMP LID LEVEL.
 - ALL CONNECTIONS TO THE BUBBLE-UP SYSTEM ARE TO BE SEALED.
- SUMPS ARE TO BE INSTALLED IN ACCORDANCE WITH WELLINGTON CITY COUNCIL'S CODE OF PRACTICE.



CLIENT		ORIGINATOR		DESIGN STAGE	GATE	PROJECT:	
				DETAILED DESIGN	100%	TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS	
				DRAWING STATUS		TITLE:	
LAST SAVED BY: CHLI(2023-06-19) LAST PLOTTED: 2023-06-20 FILE LOCATION:				FOR CONSTRUCTION		GENERAL DETAILS SHEET 2	
REVISIONS C01 ISSUE FOR CONSTRUCTION E.SANGSEFIDI A.HEAD 19/06/2023 REV. DESCRIPTION DRAWN BY APRVD. BY DATE				APPROVED BY: A.HEAD DESIGNED: E.SANGSEFIDI APPROVED DATE: 19/06/2023 DRAWN: E.SANGSEFIDI DRG. CHECK: J.BOSCH		DOCUMENT: SCH - TC - KILBCO - DRG - TR - 903911 C01	
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NOTES:

1. REFER DRAWING SCH-TC-KILBCO-903011 FOR GENERAL NOTES AND LEGEND.
2. INDICATIVE POTHOLING IS SHOWN AND IS TO BE COMPLETED AT CONTRACTORS DISCRETION UNLESS STATED OTHERWISE ON DRAWING.
3. KERB AND CHANNEL TO BE UNOBSERVED IN THE LOCATION OF NEW SPEED HUMPS

NEW HYNDS SUPERPIT (OR APPROVED ALTERNATIVE) WITH 675x450mm CYCLE FRIENDLY GRATE AND 1.2m KERB OPENING

POTHOLE TO DETERMINE LOCATION AND DEPTH OF EXISTING UTILITIES

NEW RCRRJ CLASS 4 225mm DIA. LEAD AND 1050mm MANHOLE CONNECTING INTO EXISTING STORMWATER NETWORK. 600mm MIN. COVER. EXISTING STORMWATER PIPE IS 300mm DIA. WITH ESTIMATED 2m DEEP INVERT.

JOIN LINE - REFER SCH-TC-KILBCO-DRG-TR-903921

ORIGINAL SIZE: ISO A1 594mm x 841mm

CLIENT: **Wairarapa District Council**

ORIGINATOR: **Abley** and **Isthmus**

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DRAWING SCALE: 1:200

REVISIONS	SCALE	DRAWING INFORMATION	DESIGN STAGE	GATE
	0 5 10 m	FOR CONSTRUCTION	DETAILED DESIGN	IFC

APPROVED BY:	DESIGNED:	S.FOX
A.HEAD	DES. CHECK:	H.SANDER
APPROVED DATE:	DRAWN:	E.SANGSEFIDI
19/06/2023	DRG. CHECK:	H.BENDLE

PROJECT:	TITLE:	DOCUMENT:
TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS	ONEPU ROAD SERVICE PLAN SHEET 1	SCH - TC - KILBCO - DRG - TR - 903920

ORIGINATOR	PROJECT	WORK STREAM	TYPE	DISCIPLINE	SHEET	REVISION
						C01

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 - KERB AND CHANNEL TO BE UNOBSTRUCTED IN THE LOCATION OF NEW SPEED HUMPS



ORIGINAL SIZE: ISO A1 594mm x 841mm

300

200

150

100

50

30

10

0

CLIENT:

ORIGINATOR:

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DRAWING SCALE: 1:200

SCALE: 0 5 10 m

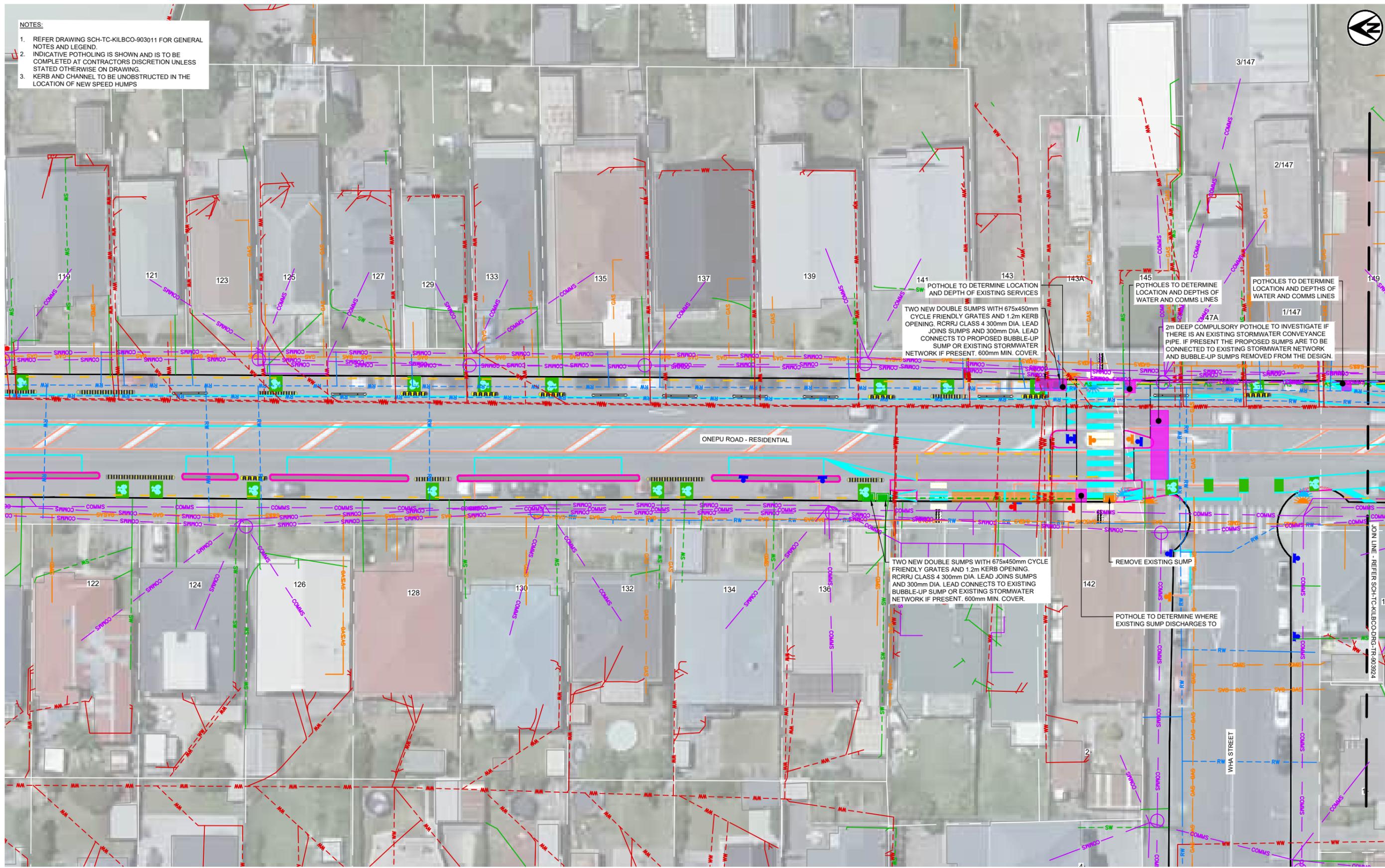
DESIGN STAGE	GATE
DETAILED DESIGN	IFC
DRAWING STATUS	
FOR CONSTRUCTION	
APPROVED BY:	DESIGNED: S.FOX
A.HEAD	DES. CHECK: H.SANDER
APPROVED DATE:	DRAWN: E.SANGSEFIDI
19/06/2023	DRG. CHECK: H.BENDLE

PROJECT:	TRANSITIONAL CYCLEWAYS			
	KILBIRNIE CONNECTIONS			
TITLE:	ONEPU ROAD SERVICE PLAN SHEET 2			
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903921	C01	ORIGINATOR	PROJECT
			WORK STREAM	TYPE
			DISCIPLINE	SHEET
			REVISION	

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 - KERB AND CHANNEL TO BE UNOBSTRUCTED IN THE LOCATION OF NEW SPEED HUMPS



141 POTHOLE TO DETERMINE LOCATION AND DEPTH OF EXISTING SERVICES

TWO NEW DOUBLE SUMPS WITH 675x450mm CYCLE FRIENDLY GRATES AND 1.2m KERB OPENING. RCRRJ CLASS 4 300mm DIA. LEAD JOINS SUMPS AND 300mm DIA. LEAD CONNECTS TO PROPOSED BUBBLE-UP SUMP OR EXISTING STORMWATER NETWORK IF PRESENT. 600mm MIN. COVER.

145 POTHOLE TO DETERMINE LOCATION AND DEPTHS OF WATER AND COMMS LINES

47A 2m DEEP COMPULSORY POTHOLES TO INVESTIGATE IF THERE IS AN EXISTING STORMWATER CONVEYANCE PIPE. IF PRESENT THE PROPOSED SUMPS ARE TO BE CONNECTED TO EXISTING STORMWATER NETWORK AND BUBBLE-UP SUMPS REMOVED FROM THE DESIGN.

143A POTHOLE TO DETERMINE LOCATION AND DEPTHS OF WATER AND COMMS LINES

1/147

TWO NEW DOUBLE SUMPS WITH 675x450mm CYCLE FRIENDLY GRATES AND 1.2m KERB OPENING. RCRRJ CLASS 4 300mm DIA. LEAD JOINS SUMPS AND 300mm DIA. LEAD CONNECTS TO EXISTING BUBBLE-UP SUMP OR EXISTING STORMWATER NETWORK IF PRESENT. 600mm MIN. COVER.

REMOVE EXISTING SUMP

POTHOLE TO DETERMINE WHERE EXISTING SUMP DISCHARGES TO

JOIN LINE - REFER SCH-TC-KILBCO-DRG-TR-903924

ORIGINAL SIZE: ISO A1 594mm x 841mm

CLIENT	ORIGINATOR
	 
LAST SAVED BY: CHLI(2023-06-19)	LAST PLOTTED: 2023-06-20
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C01	ISSUE FOR CONSTRUCTION	E.SANGSEFIDI	A.HEAD	19/06/2023

SCALE	0 5 10 m
DRAWING SCALE:	1:200

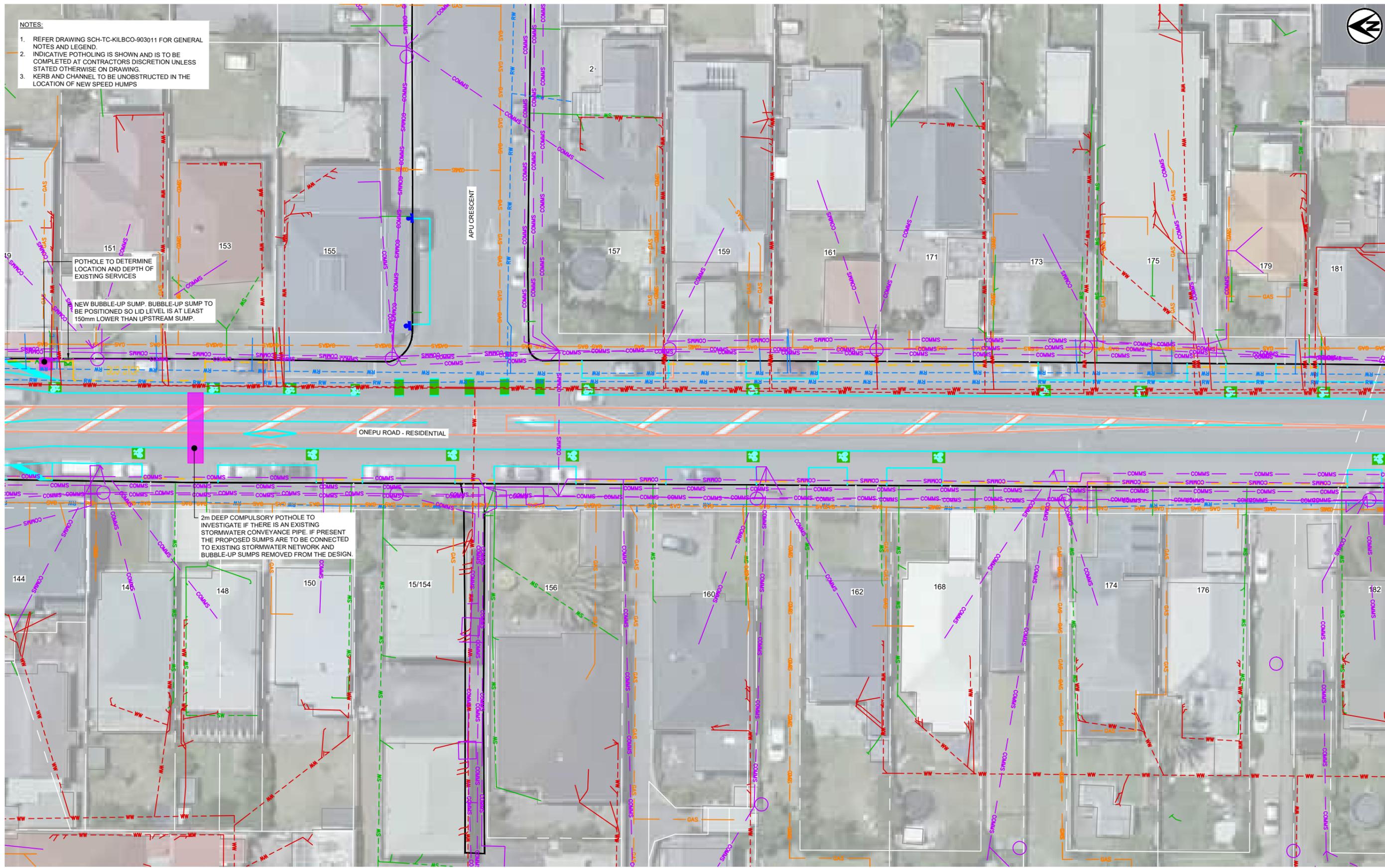
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	DRAWN:
	E.SANGSEFIDI
	DRG. CHECK:
	H.BENDLE

PROJECT:	TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS
TITLE:	ONEPU ROAD SERVICE PLAN SHEET 4
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903923 C01

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 - KERB AND CHANNEL TO BE UNOBSERVED IN THE LOCATION OF NEW SPEED HUMPS



POTHOLE TO DETERMINE LOCATION AND DEPTH OF EXISTING SERVICES

NEW BUBBLE-UP SUMP. BUBBLE-UP SUMP TO BE POSITIONED SO LID LEVEL IS AT LEAST 150mm LOWER THAN UPSTREAM SUMP.

2m DEEP COMPULSORY POTHOLE TO INVESTIGATE IF THERE IS AN EXISTING STORMWATER CONVEYANCE PIPE. IF PRESENT THE PROPOSED SUMPS ARE TO BE CONNECTED TO EXISTING STORMWATER NETWORK AND BUBBLE-UP SUMPS REMOVED FROM THE DESIGN.

ORIGINAL SIZE: ISO A1 594mm x 841mm

CLIENT: **Manukau Palmyra Wellington City Council**

ORIGINATOR: **Abley** and **Isthmus**

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PROJECT: TRANSITIONAL CYCLEWAYS	KILBIRNIE CONNECTIONS
TITLE: ONEPU ROAD SERVICE PLAN	SHEET 5
DOCUMENT: SCH - TC - KILBCO - DRG - TR - 903924	C01

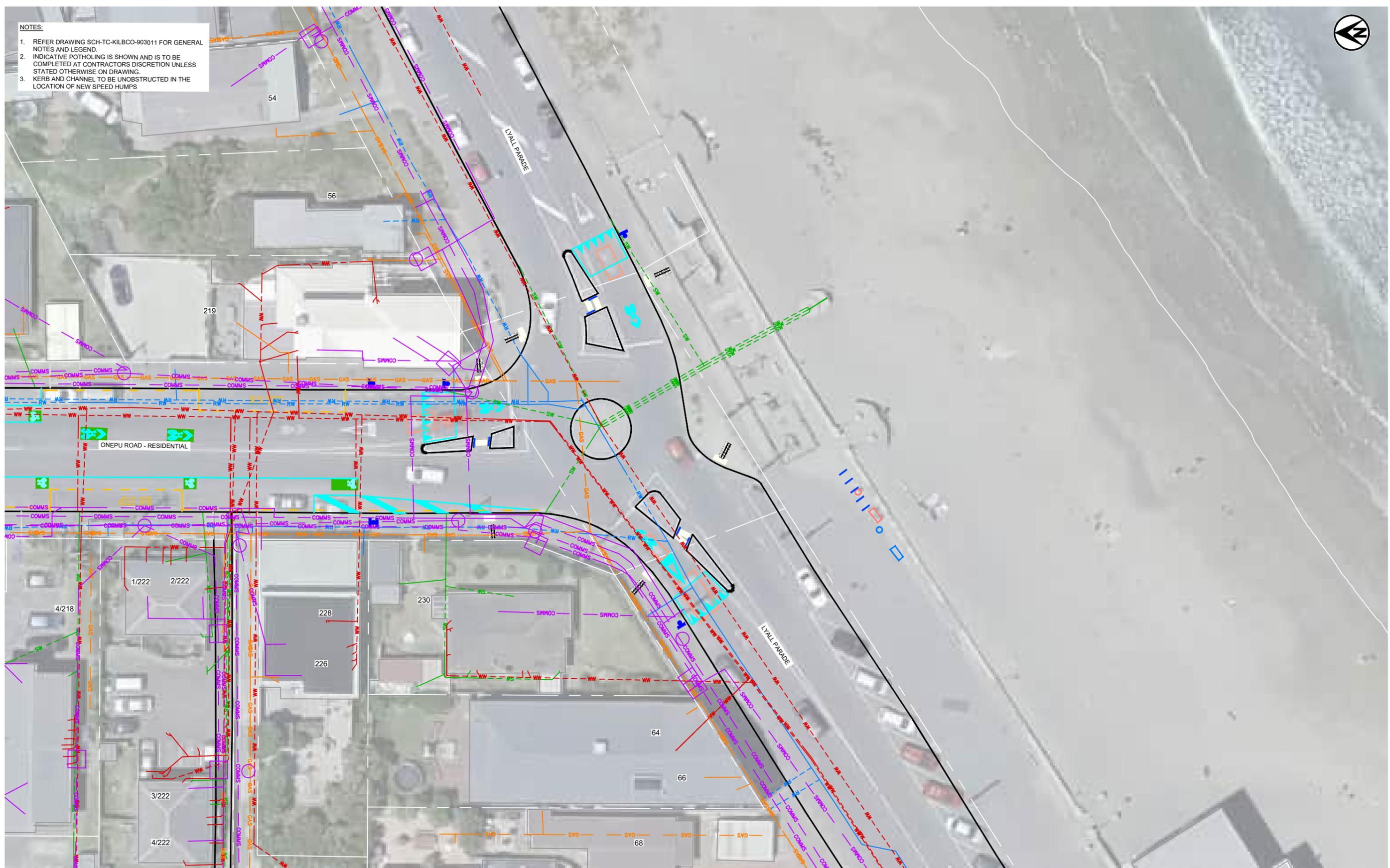
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ORIGINAL SIZE: ISO A1 594mm x 841mm



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	H.BENDLE

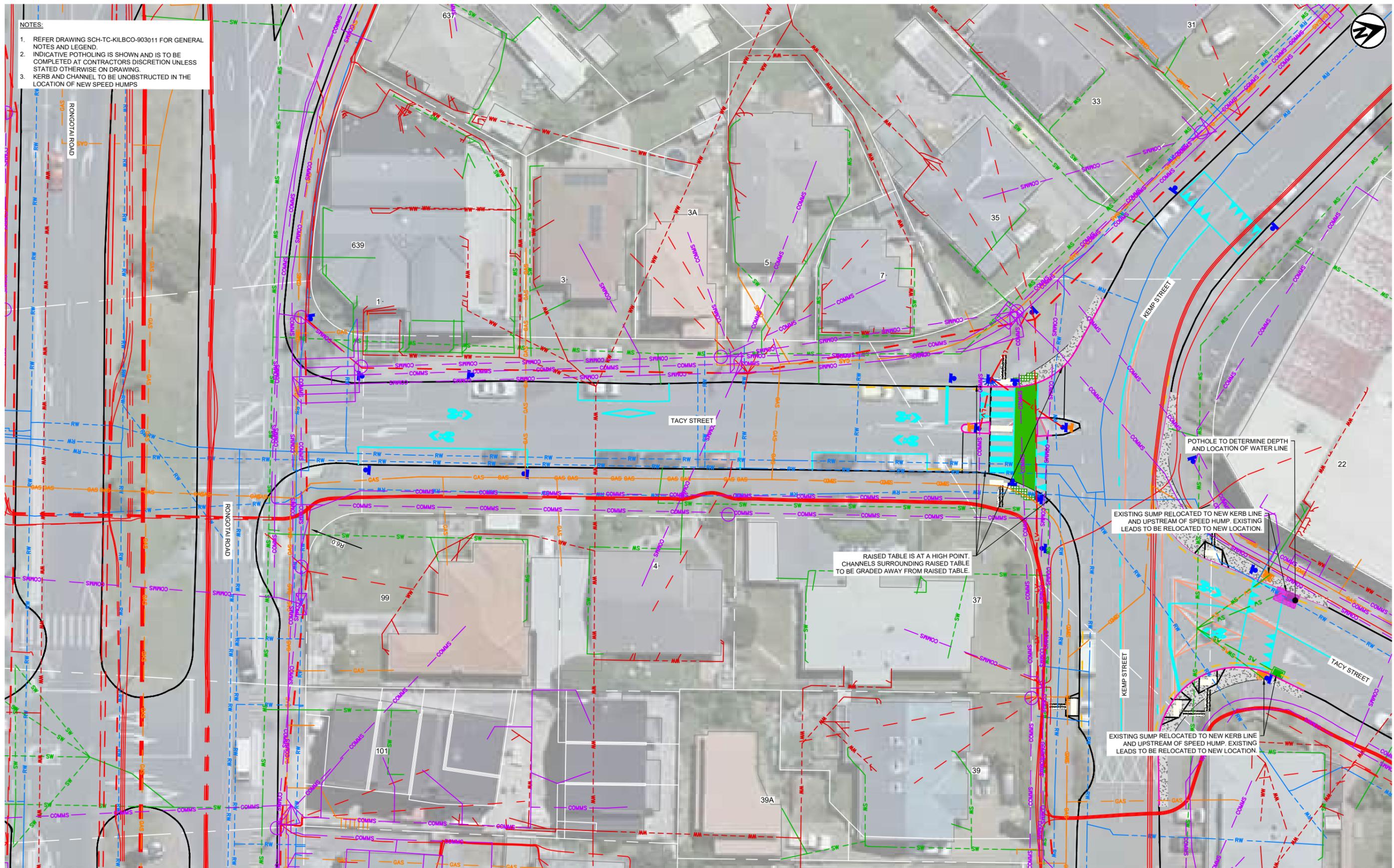
PROJECT:	TRANSITIONAL CYCLEWAYS			
	KILBIRNIE CONNECTIONS			
TITLE:	ONEPU ROAD SERVICE PLAN SHEET 6			
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903925	C01		

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ORIGINAL SIZE: ISO A1 594mm x 841mm
300
200
150
100
50
30
10

CLIENT: **Atandun Pathways Wellington City Council**

ORIGINATOR: **abley**
Isthmus.

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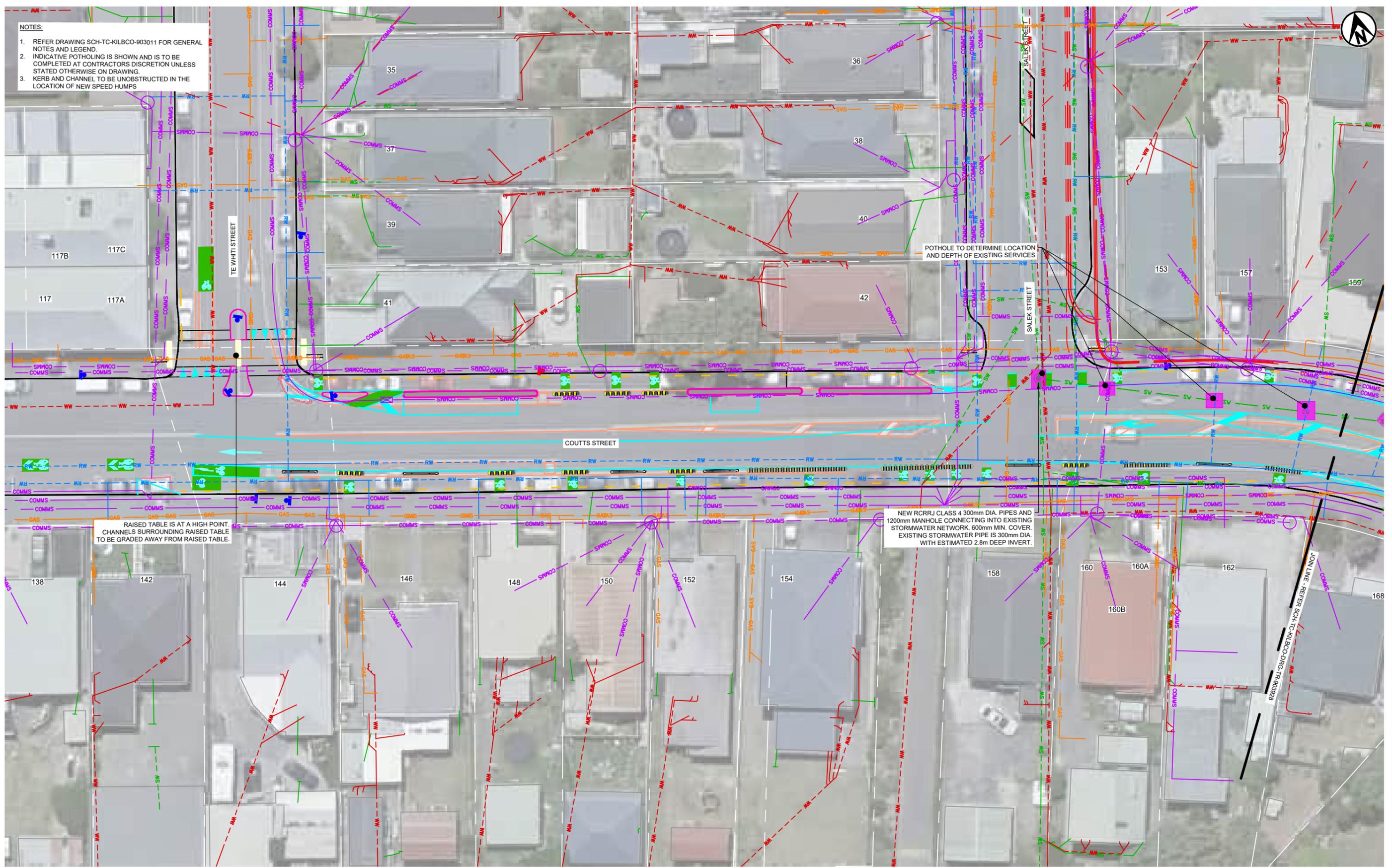
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REVISIONS	SCALE	DRAWING INFORMATION	DESIGN STAGE	GATE
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PROJECT:	TITLE:	ORIGINATOR	PROJECT	WORK STREAM	TYPE	DISCIPLINE	SHEET	REVISION
TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS	TACY STREET SERVICE PLAN	SCH - TC - KILBCO - DRG - TR - 903926	C01					

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RAISED TABLE IS AT A HIGH POINT CHANNELS SURROUNDING RAISED TABLE TO BE GRADED AWAY FROM RAISED TABLE.

NEW RCRRJ CLASS 4 300mm DIA. PIPES AND 1200mm MANHOLE CONNECTING INTO EXISTING STORMWATER NETWORK. 600mm MIN. COVER. EXISTING STORMWATER PIPE IS 300mm DIA. WITH ESTIMATED 2.8m DEEP INVERT.

POTHOLE TO DETERMINE LOCATION AND DEPTH OF EXISTING SERVICES



ORIGINAL SIZE: ISO A1 594mm x 841mm

CLIENT: **Manukau Palitani Wellington City Council**

ORIGINATOR: **Abley** and **Isthmus**

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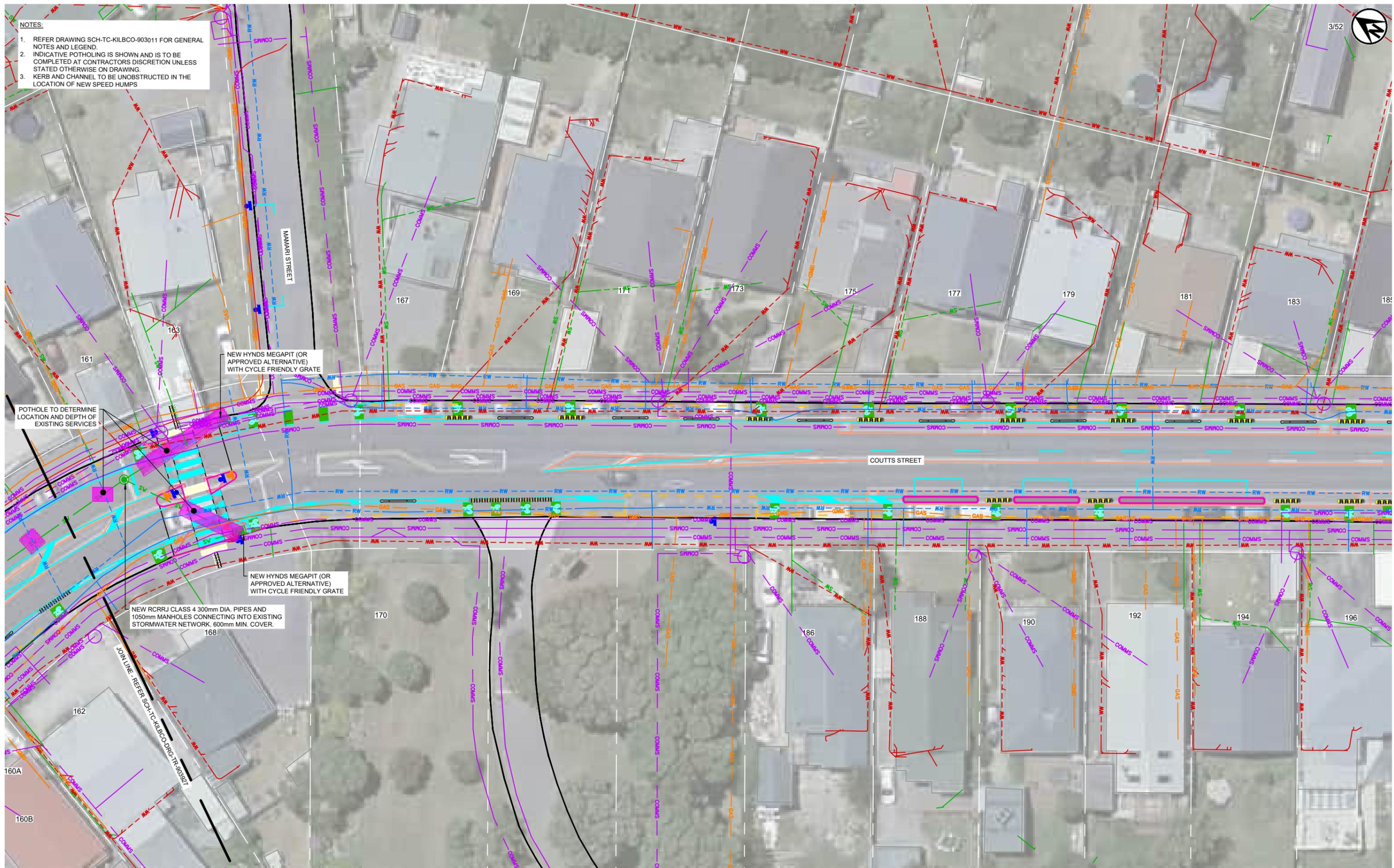
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PROJECT:	TRANSITIONAL CYCLEWAYS KILBIRNIE CONNECTIONS			
TITLE:	COUTTS STREET SERVICE PLAN SHEET 1			
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903927	C01		

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ORIGINAL SIZE: ISO A1 594mm x 841mm
300
200
150
100
50
10
0

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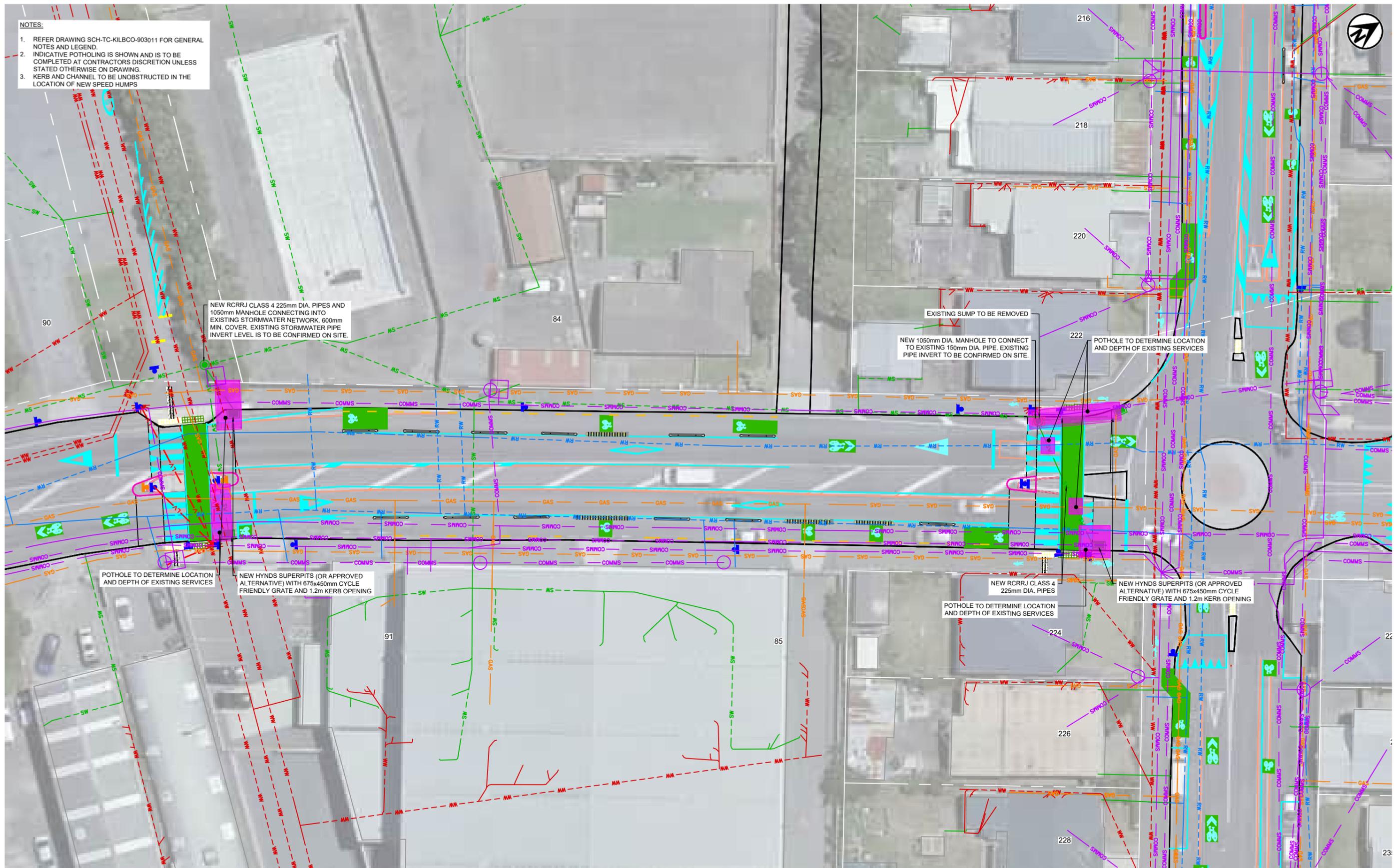
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PROJECT:	TRANSITIONAL CYCLEWAYS				
	KILBIRNIE CONNECTIONS				
TITLE:	COUTTS STREET				
	SERVICE PLAN				
	SHEET 2				
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903928	C01			

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ORIGINAL SIZE: ISO A1 594mm x 841mm

200

150

100

50

0

CLIENT	ORIGINATOR
	

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PROJECT:	TRANSITIONAL CYCLEWAYS	
	KILBIRNIE CONNECTIONS	
TITLE:	TIRANGI ROAD	
	SERVICE PLAN	
DOCUMENT:	SCH - TC - KILBCO - DRG - TR - 903929	C01

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