





**GLENMORE STREET - PART 3**



**GLENMORE STREET - PART 4**

**NOTE:**

1. IN AREAS OF KERB CUT BACKS OR KERB BUILDOUTS, THE NEW BOLLARDS, KERBS AND PAVING DETAILS ARE TO MATCH THE EXISTING FOOTPATHS.
2. CYCLE LANE DIMENSIONS REFER TO THE CLEAR WIDTH BETWEEN KERB AND THE INSIDE FACE OF THE SEPARATOR.

LEGEND	
	NEW NO STOPPING LINES
	NEW ROAD MARKINGS
	EXISTING ROAD MARKINGS TO BE RETAINED
	4.0m x 0.4m CYCLE LANE SEPARATOR
	NEW KERBS
	REMOVED KERBS
	50mm HIGH INTERLOCKING SPEED HUMP



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REV	DATE	REVISION DETAILS	APPROVED	SCALE	SIZE	FOR CONSTRUCTION
0	27/03/24	FOR CONSTRUCTION	G MURISON	1:250	A0	FOR CONSTRUCTION
						APPROVED DATE

PROJECT		TITLE	
KARORI TO BOTANIC GARDEN KI PAKAKA CONNECTIONS WCC TRANSITIONAL CYCLEWAYS		GENERAL LAYOUT PRIMARY ROUTE - IFC DESIGNS	
PROJECT No. 522550		SHEET 2 (OF 9)	
AREA 0000	DATE DRG	DATE DGN	NUMBER 0012
REV 0			



DRIVEWAY CROSSOVER TO BE RAISED TO MATCH RSP LEVEL

SHARROWS TO BE INTRODUCED IN CENTRE OF TRAFFIC LANE IN BOTH DIRECTIONS ENTERING / EXITING THE TUNNEL

LIMIT LINE TO BE REMOVED

CYCLIST TO TRANSITION ONTO ROAD AT THE RAISED SAFETY PLATFORM.

INSTALL 1.0m WIDE ATPM STRIP

NEW BATTER BOARD (MAX 0.5m HIGH) DESIGNED BY OTHERS. PATH TO BE WIDENED TO 2.5m IF POSSIBLE. AVOID IMPACTS TO EXISTING STREET LIGHT POLES.

FILL CONCRETE IN 1m LENGTH OF THE EXISTING CHANNEL TO ALLOW SMOOTH TRANSITION FOR CYCLISTS

INSTALL 4.0m LONG KERB RAMP FOR CYCLISTS TO JOIN SHARED PATH. ENSURE WHEELCHAIR ACCESS IS AVAILABLE BEHIND KERB RAMP. (SEE DETAIL G)

INSTALL CONCRETE MOUNTABLE TRAFFIC CIRCLE. (SEE DETAIL T)

JOIN LINE - GLENMORE STREET - PART 4 ON SHEET 2

2.0m CYCLE LANE AND 0.4m SEPARATOR (4.0m LENGTH AND 4.0m GAP)

WHITE CYCLE LANE SEPARATORS

CYCLE LANE TO CONTINUE ON SHARED FOOTPATH

EXISTING KERB RAMP TO BE RETAINED

END OF BUS LANE

INSTALL 4.0m LONG KERB RAMP FOR CYCLISTS TO JOIN SHARED PATH. ENSURE WHEELCHAIR ACCESS IS AVAILABLE BEHIND KERB RAMP. (SEE DETAIL G)

SHARROWS TO BE INTRODUCED IN CENTRE OF TRAFFIC LANE IN THE DOWNHILL DIRECTION ON GLENMORE STREET

KERB CUT BACK INSTALL NEW KERBS (SEE DETAIL A-2)

2.0m CYCLE LANE AND 0.4m SEPARATOR (4.0m LENGTH AND 4.0m GAP)

LENGTHENED BUS STOP

HORSESHOE WIDENING DETAIL SHOWN ON DRAWING 0312

INSTALL 4.0m LONG KERB RAMP FOR CYCLISTS (SEE DETAIL G)

WIDEN ROAD TO MARK 2 P120 CAR PARKS. (SEE DETAIL W)

CYCLE LANE DIVERTED ONTO FOOTPATH TO MARK 8 RESIDENTIAL CAR PARKS

VEGETATION TO BE TRIMMED TO WIDENED THE SHARED PATH TO 2.0m IF POSSIBLE

GREEN MARKING NOT TO BE MARKED IN 0.3m GUTTER

1.4m CYCLE LANE WITH 0.3m BUFFER

ROAD WIDENED BY 1.8m TO ALLOW BUSES TO TRACK WITHOUT CROSSING THE CENTRE LINE

**GLENMORE STREET - PART 5**

**NOTE:**

1. IN AREAS OF KERB CUT BACKS OR KERB BUILDOUTS, THE NEW BOLLARDS, KERBS AND PAVING DETAILS ARE TO MATCH THE EXISTING FOOTPATHS.
2. CYCLE LANE DIMENSIONS REFER TO THE CLEAR WIDTH BETWEEN KERB AND THE INSIDE FACE OF THE SEPARATOR.

LEGEND	
	NEW NO STOPPING LINES
	NEW ROAD MARKINGS
	EXISTING ROAD MARKINGS TO BE RETAINED
	4.0m x 0.4m CYCLE LANE SEPARATOR
	NEW KERBS
	REMOVED KERBS
	50mm HIGH INTERLOCKING SPEED HUMP



**CLIENT**

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REV	DATE	REVISION DETAILS	APPROVED	SCALE	SIZE
0	27/03/24	FOR CONSTRUCTION	G MURISON	1:250	A0

FOR CONSTRUCTION	APPROVED	DATE

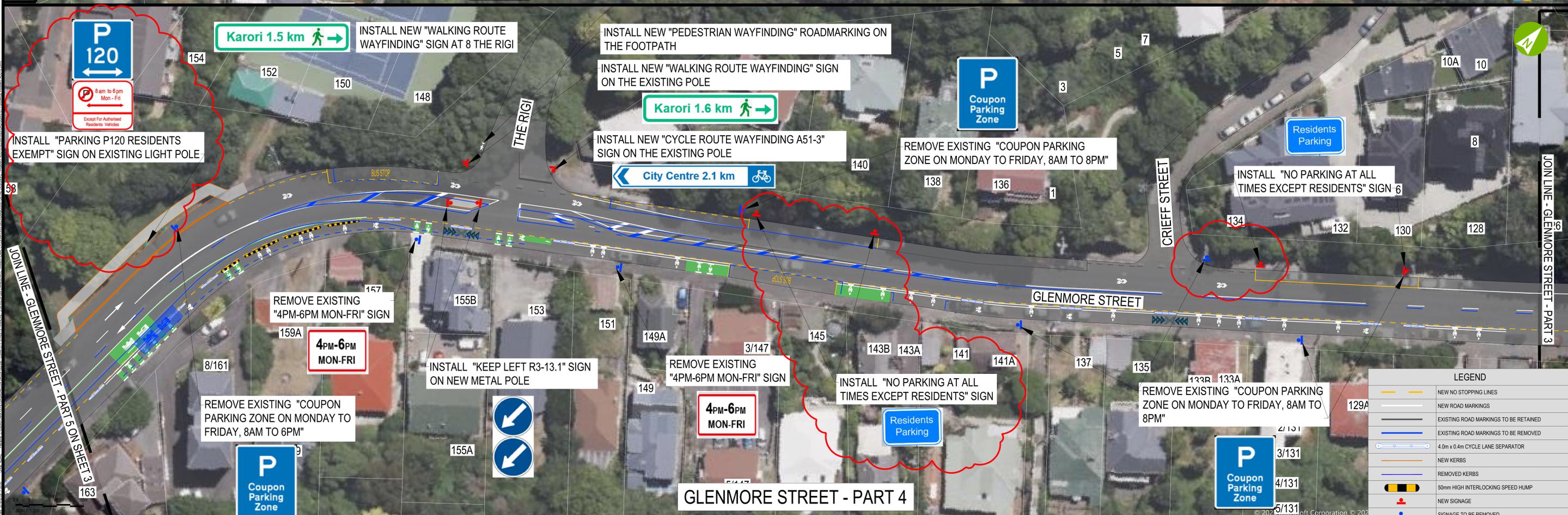
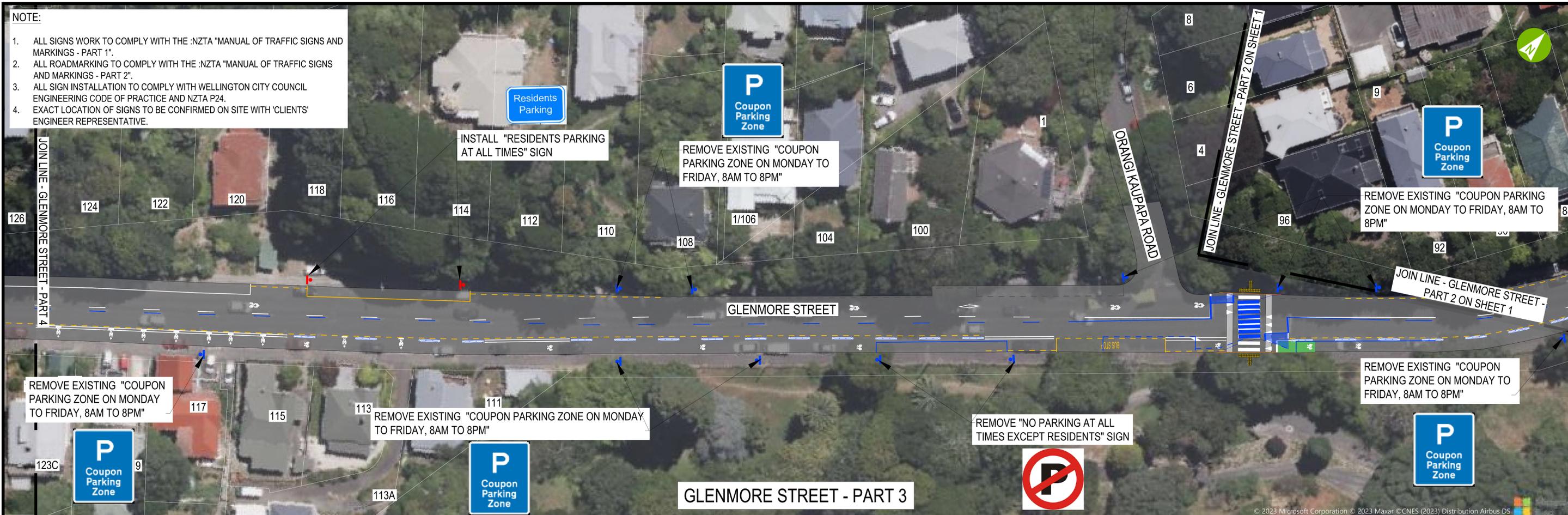
PROJECT	TITLE
KARORI TO BOTANIC GARDEN KI PAKAKA CONNECTIONS WCC TRANSITIONAL CYCLEWAYS	GENERAL LAYOUT PRIMARY ROUTE - IFC DESIGNS GLENMORE STREET SHEET 3 (OF 9)

DRAWING No.	PROJECT No.	AREA	IFC	DGN	NUMBER	REV
522550	0000	DRG	DGN	0013	0	



**NOTE:**

1. ALL SIGNS WORK TO COMPLY WITH THE NZTA "MANUAL OF TRAFFIC SIGNS AND MARKINGS - PART 1".
2. ALL ROADMARKING TO COMPLY WITH THE NZTA "MANUAL OF TRAFFIC SIGNS AND MARKINGS - PART 2".
3. ALL SIGN INSTALLATION TO COMPLY WITH WELLINGTON CITY COUNCIL ENGINEERING CODE OF PRACTICE AND NZTA P24.
4. EXACT LOCATION OF SIGNS TO BE CONFIRMED ON SITE WITH 'CLIENTS' ENGINEER REPRESENTATIVE.



LEGEND	
	NEW NO STOPPING LINES
	NEW ROAD MARKINGS
	EXISTING ROAD MARKINGS TO BE RETAINED
	EXISTING ROAD MARKINGS TO BE REMOVED
	4.0m x 0.4m CYCLE LANE SEPARATOR
	NEW KERBS
	REMOVED KERBS
	50mm HIGH INTERLOCKING SPEED HUMP
	NEW SIGNAGE
	SIGNAGE TO BE REMOVED



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REV	DATE	REVISION DETAILS	APPROVED	SCALE	SIZE
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1	29/04/24	FOR CONSTRUCTION	G MURISON		

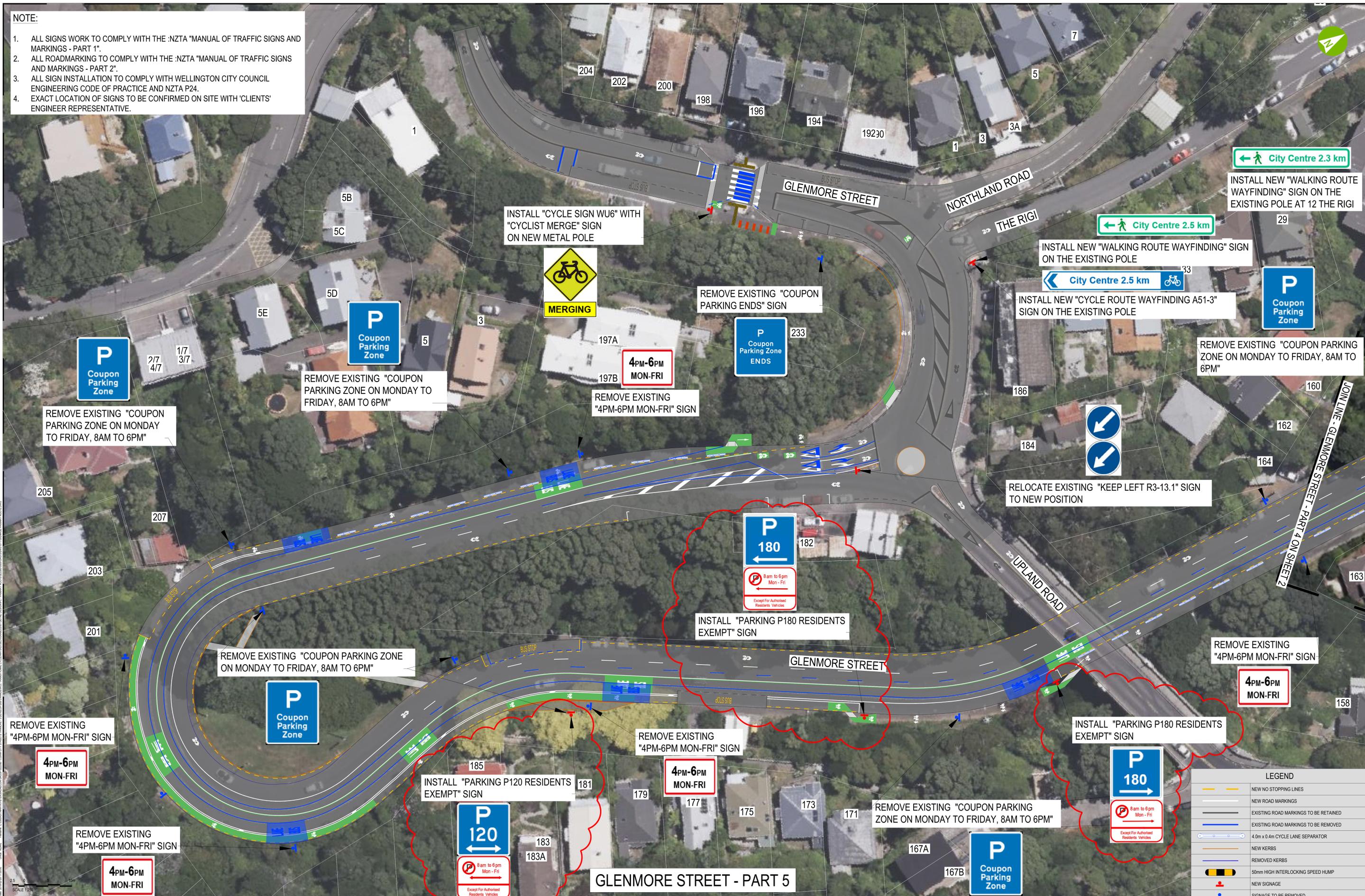
APPROVED	DATE
G MURISON	

PROJECT	TITLE
KARORI TO BOTANIC GARDEN KI PAKAKA CONNECTIONS WCC TRANSITIONAL CYCLEWAYS	SIGNAGE PRIMARY ROUTE - IFC DESIGNS GLENMORE STREET SHEET 2 (OF 9)

DRAWING No.	PROJECT No.	AREA	ITC	DIC	NUMBER	REV
522550	0000	DRG	DGN	0112	1	

**NOTE:**

1. ALL SIGNS WORK TO COMPLY WITH THE NZTA "MANUAL OF TRAFFIC SIGNS AND MARKINGS - PART 1".
2. ALL ROADMARKING TO COMPLY WITH THE NZTA "MANUAL OF TRAFFIC SIGNS AND MARKINGS - PART 2".
3. ALL SIGN INSTALLATION TO COMPLY WITH WELLINGTON CITY COUNCIL ENGINEERING CODE OF PRACTICE AND NZTA P24.
4. EXACT LOCATION OF SIGNS TO BE CONFIRMED ON SITE WITH 'CLIENTS' ENGINEER REPRESENTATIVE.



← City Centre 2.3 km

INSTALL NEW "WALKING ROUTE WAYFINDING" SIGN ON THE EXISTING POLE AT 12 THE RIGI

← City Centre 2.5 km

INSTALL NEW "WALKING ROUTE WAYFINDING" SIGN ON THE EXISTING POLE

← City Centre 2.5 km

INSTALL NEW "CYCLE ROUTE WAYFINDING A51-3" SIGN ON THE EXISTING POLE

REMOVE EXISTING "COUPON PARKING ZONE ON MONDAY TO FRIDAY, 8AM TO 6PM"

INSTALL "CYCLE SIGN WU6" WITH "CYCLIST MERGE" SIGN ON NEW METAL POLE



REMOVE EXISTING "COUPON PARKING ENDS" SIGN

4PM-6PM MON-FRI

REMOVE EXISTING "4PM-6PM MON-FRI" SIGN

REMOVE EXISTING "COUPON PARKING ZONE ON MONDAY TO FRIDAY, 8AM TO 6PM"

REMOVE EXISTING "COUPON PARKING ZONE ON MONDAY TO FRIDAY, 8AM TO 6PM"



RELOCATE EXISTING "KEEP LEFT R3-13.1" SIGN TO NEW POSITION



INSTALL "PARKING P180 RESIDENTS EXEMPT" SIGN

REMOVE EXISTING "COUPON PARKING ZONE ON MONDAY TO FRIDAY, 8AM TO 6PM"

REMOVE EXISTING "4PM-6PM MON-FRI" SIGN

4PM-6PM MON-FRI

INSTALL "PARKING P180 RESIDENTS EXEMPT" SIGN

REMOVE EXISTING "4PM-6PM MON-FRI" SIGN

4PM-6PM MON-FRI

INSTALL "PARKING P120 RESIDENTS EXEMPT" SIGN



4PM-6PM MON-FRI

REMOVE EXISTING "4PM-6PM MON-FRI" SIGN

4PM-6PM MON-FRI

LEGEND	
	NEW NO STOPPING LINES
	NEW ROAD MARKINGS
	EXISTING ROAD MARKINGS TO BE RETAINED
	EXISTING ROAD MARKINGS TO BE REMOVED
	4.0m x 0.4m CYCLE LANE SEPARATOR
	NEW KERBS
	REMOVED KERBS
	50mm HIGH INTERLOCKING SPEED HUMP
	NEW SIGNAGE
	SIGNAGE TO BE REMOVED



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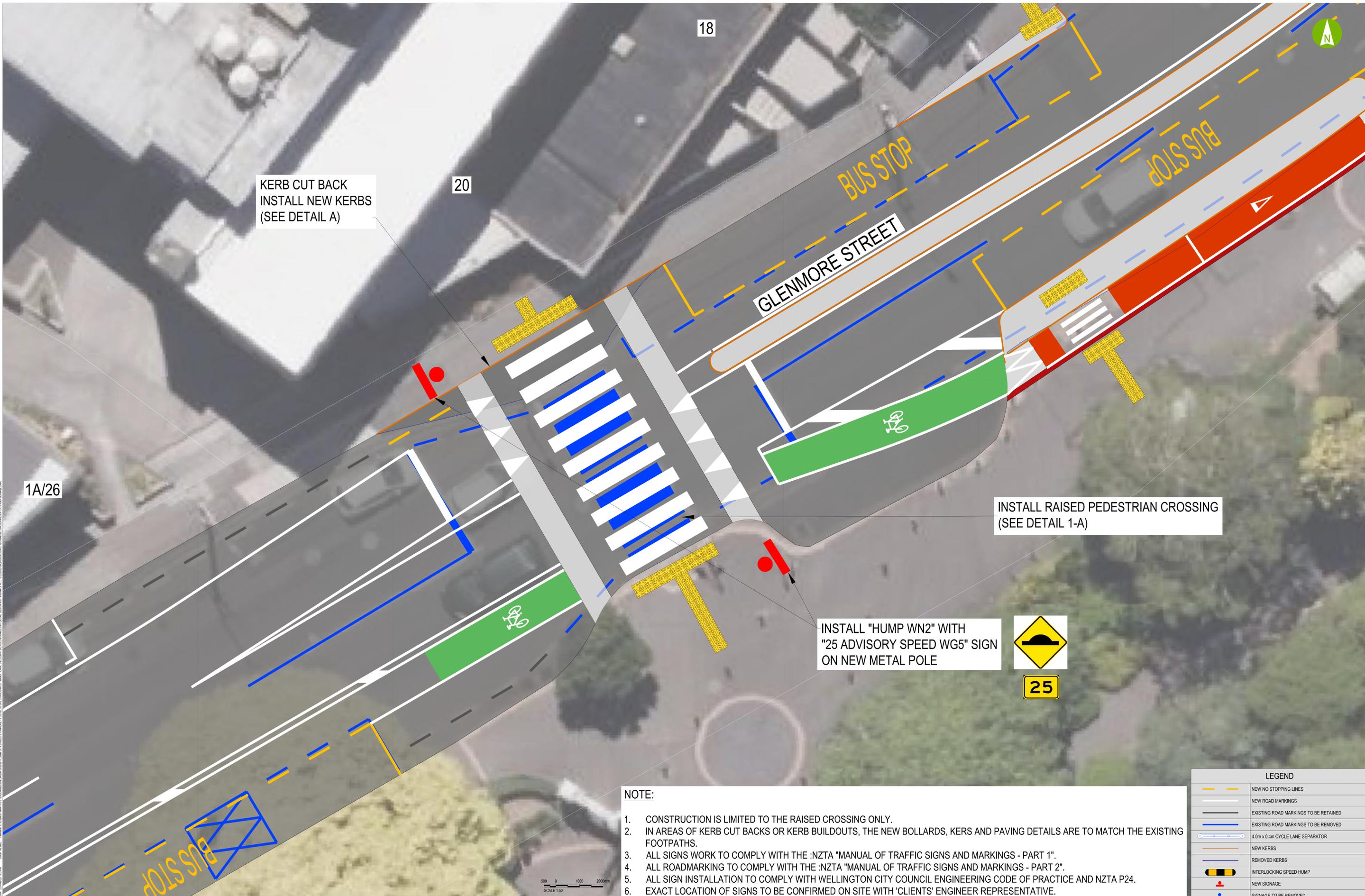
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REV	DATE	REVISION DETAILS	APPROVED	SCALE	SIZE
0	27/03/24	FOR CONSTRUCTION	G MURISON	1:250	A0
1	29/04/24	FOR CONSTRUCTION	G MURISON		

APPROVED	DATE

PROJECT	TITLE
KARORI TO BOTANIC GARDEN KI PAEKAKA CONNECTIONS WCC TRANSITIONAL CYCLEWAYS	SIGNAGE PRIMARY ROUTE - IFC DESIGNS GLENMORE STREET SHEET 3 (OF 9)

DRAWING No.	PROJECT No.	AREA	ITC	DWG	NUMBER	REV
522550	0000	DRG	DGN	0113	1	



KERB CUT BACK  
INSTALL NEW KERBS  
(SEE DETAIL A)

INSTALL RAISED PEDESTRIAN CROSSING  
(SEE DETAIL 1-A)

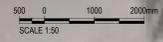
INSTALL "HUMP WN2" WITH  
"25 ADVISORY SPEED WG5" SIGN  
ON NEW METAL POLE



**NOTE:**

1. CONSTRUCTION IS LIMITED TO THE RAISED CROSSING ONLY.
2. IN AREAS OF KERB CUT BACKS OR KERB BUILDOUTS, THE NEW BOLLARDS, KERS AND PAVING DETAILS ARE TO MATCH THE EXISTING FOOTPATHS.
3. ALL SIGNS WORK TO COMPLY WITH THE :NZTA "MANUAL OF TRAFFIC SIGNS AND MARKINGS - PART 1".
4. ALL ROADMARKING TO COMPLY WITH THE :NZTA "MANUAL OF TRAFFIC SIGNS AND MARKINGS - PART 2".
5. ALL SIGN INSTALLATION TO COMPLY WITH WELLINGTON CITY COUNCIL ENGINEERING CODE OF PRACTICE AND NZTA P24.
6. EXACT LOCATION OF SIGNS TO BE CONFIRMED ON SITE WITH 'CLIENTS' ENGINEER REPRESENTATIVE.

LEGEND	
	NEW NO STOPPING LINES
	NEW ROAD MARKINGS
	EXISTING ROAD MARKINGS TO BE RETAINED
	EXISTING ROAD MARKINGS TO BE REMOVED
	4.0m x 0.4m CYCLE LANE SEPARATOR
	NEW KERBS
	REMOVED KERBS
	INTERLOCKING SPEED HUMP
	NEW SIGNAGE
	SIGNAGE TO BE REMOVED



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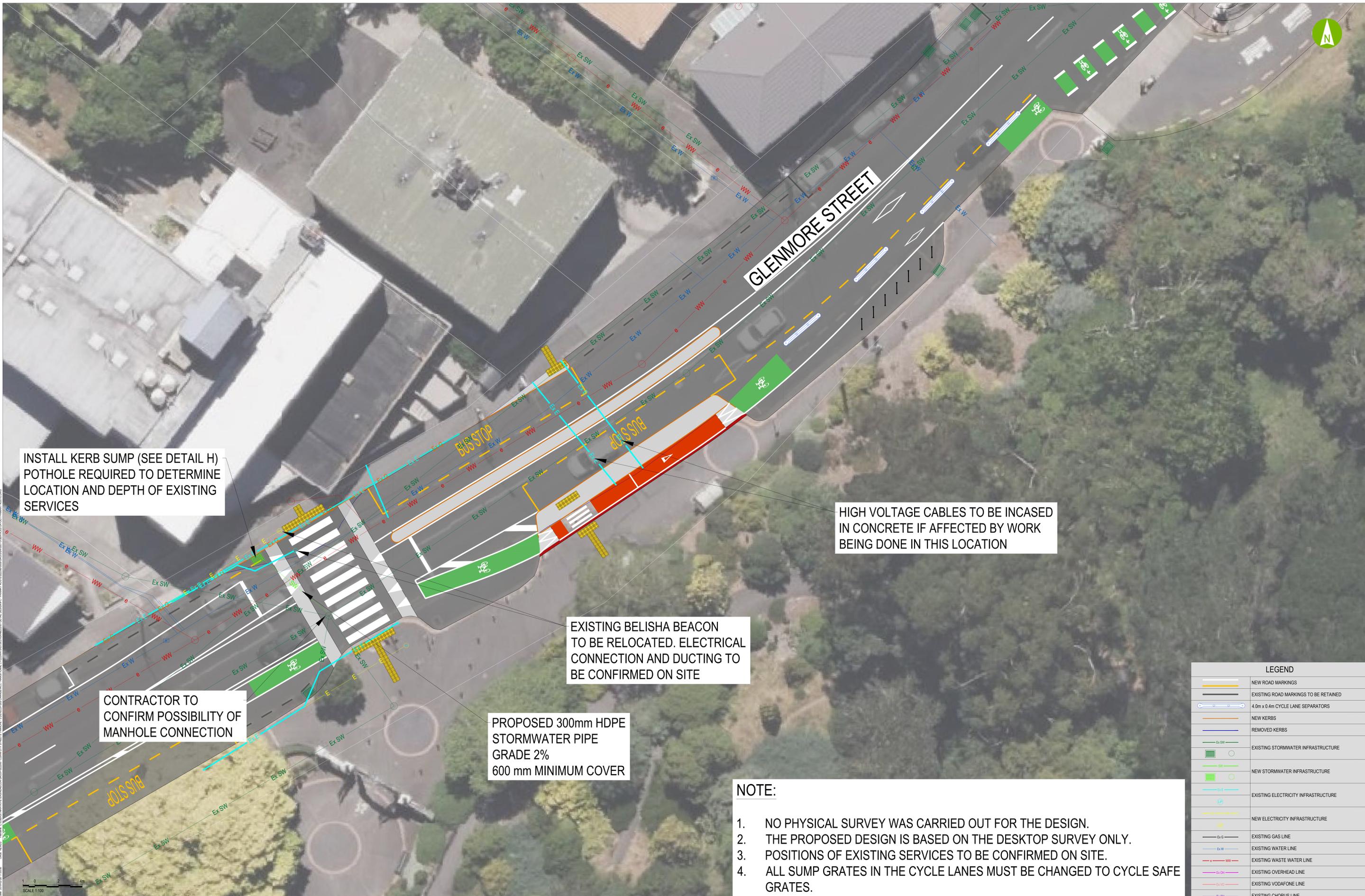
CLIENT  
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REV	DATE	REVISION DETAILS	APPROVED	SCALE	SIZE
0	15/10/23	FOR CONSTRUCTION	G MURISON	1:50	A0
1	26/02/24	FOR CONSTRUCTION - RAISED PEDESTRIAN CROSSINGS LINEMARKING UPDATED	G MURISON		
2	15/03/24	FOR CONSTRUCTION - SIGNAGE PLACEMENT NOTE ADDED	G MURISON		
3	27/03/24	FOR CONSTRUCTION	G MURISON		
				DRAWN T PETERS	
				DESIGNED T PETERS	
				REVIEWED S HAMILTON	

FOR CONSTRUCTION	APPROVED	DATE

PROJECT	TITLE	PROJECT No.	AREA	ITC	DWG	DGN	NUMBER	REV
KARORI TO BOTANIC GARDEN KI PAKAKA CONNECTIONS WCC TRANSITIONAL CYCLEWAYS	RAISED CROSSINGS LAYOUT AND SIGNAGE - IFC DESIGNS GLENMORE STREET - NEAR BOTANIC GARDENS SHEET 1 (OF 9)	522550	0000	DRG	DGN	1111	3	





INSTALL KERB SUMP (SEE DETAIL H)  
 POTHOLE REQUIRED TO DETERMINE  
 LOCATION AND DEPTH OF EXISTING  
 SERVICES

HIGH VOLTAGE CABLES TO BE INCASIED  
 IN CONCRETE IF AFFECTED BY WORK  
 BEING DONE IN THIS LOCATION

EXISTING BELISHA BEACON  
 TO BE RELOCATED. ELECTRICAL  
 CONNECTION AND DUCTING TO  
 BE CONFIRMED ON SITE

PROPOSED 300mm HDPE  
 STORMWATER PIPE  
 GRADE 2%  
 600 mm MINIMUM COVER

CONTRACTOR TO  
 CONFIRM POSSIBILITY OF  
 MANHOLE CONNECTION

- NOTE:**
1. NO PHYSICAL SURVEY WAS CARRIED OUT FOR THE DESIGN.
  2. THE PROPOSED DESIGN IS BASED ON THE DESKTOP SURVEY ONLY.
  3. POSITIONS OF EXISTING SERVICES TO BE CONFIRMED ON SITE.
  4. ALL SUMP GRATES IN THE CYCLE LANES MUST BE CHANGED TO CYCLE SAFE GRATES.

LEGEND	
	NEW ROAD MARKINGS
	EXISTING ROAD MARKINGS TO BE RETAINED
	4.0m x 0.4m CYCLE LANE SEPARATORS
	NEW KERBS
	REMOVED KERBS
	EXISTING STORMWATER INFRASTRUCTURE
	NEW STORMWATER INFRASTRUCTURE
	EXISTING ELECTRICITY INFRASTRUCTURE
	NEW ELECTRICITY INFRASTRUCTURE
	EXISTING GAS LINE
	EXISTING WATER LINE
	EXISTING WASTE WATER LINE
	EXISTING OVERHEAD LINE
	EXISTING VODAFONE LINE
	EXISTING CHORUS LINE



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REV	DATE	REVISION DETAILS	APPROVED
0	15/10/23	FOR CONSTRUCTION	G. MURISON
1	26/02/24	FOR CONSTRUCTION	G. MURISON
2	15/03/24	FOR CONSTRUCTION	G. MURISON
3	27/03/24	FOR CONSTRUCTION	G. MURISON

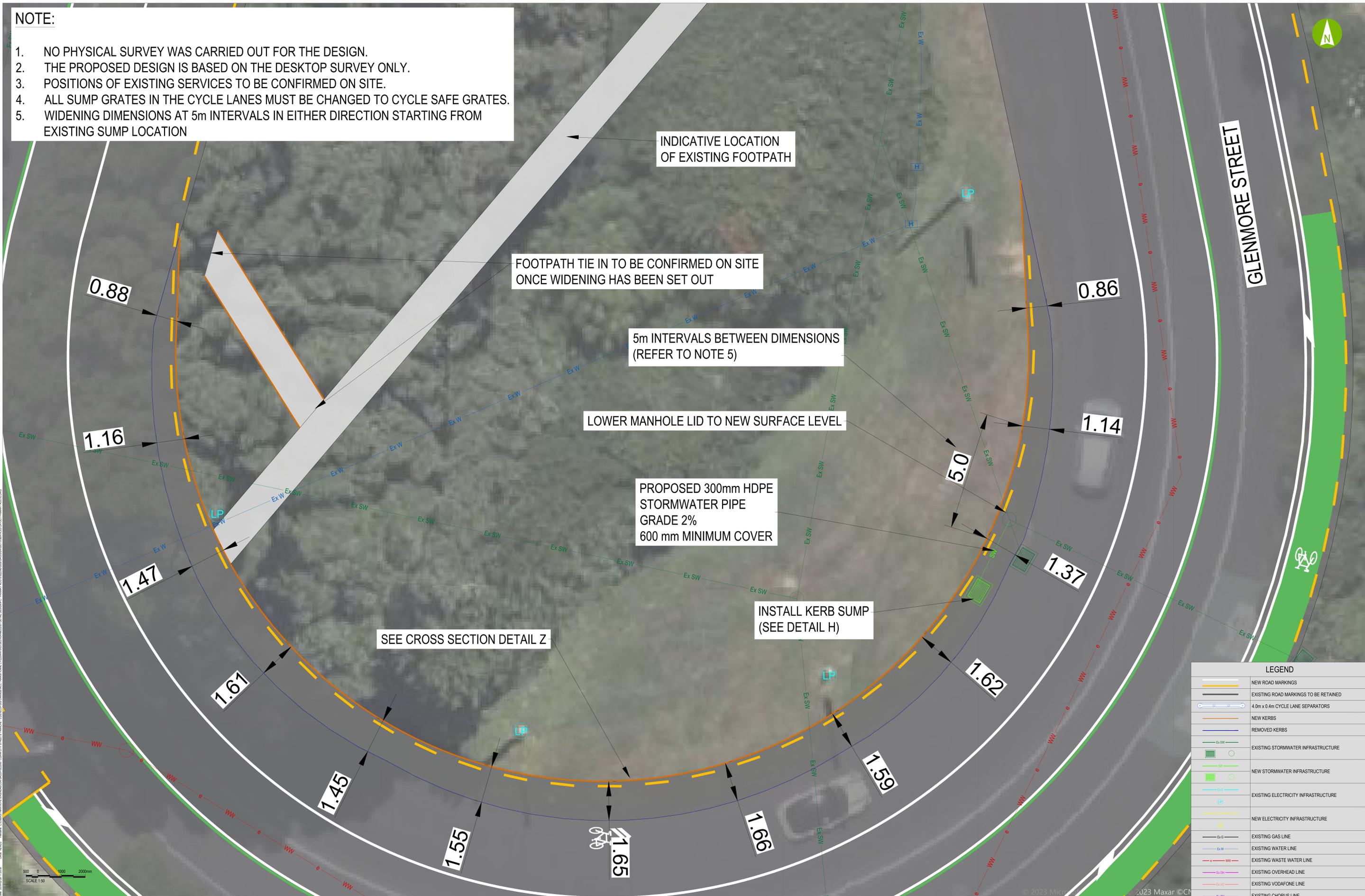
SCALE	SIZE
1:100	A0
DRAWN	
DESIGNED	
REVIEWED	
R. VAN LIEROP	

FOR CONSTRUCTION	APPROVED	DATE

PROJECT	TITLE	DRAWING No.	PROJECT No.	AREA	DATE	NUMBER	REV	
KARORI TO BOTANIC GARDEN KI PĀEKAKA CONNECTIONS WCC TRANSITIONAL CYCLEWAYS	SERVICE LAYOUT PRIMARY ROUTE - IFC DESIGNS GLENMORE STREET - NEAR BOTANIC GARDENS SHEET 1 (OF 10)	522550	522550	0000	DRG	DGN	0311	3

**NOTE:**

1. NO PHYSICAL SURVEY WAS CARRIED OUT FOR THE DESIGN.
2. THE PROPOSED DESIGN IS BASED ON THE DESKTOP SURVEY ONLY.
3. POSITIONS OF EXISTING SERVICES TO BE CONFIRMED ON SITE.
4. ALL SUMP GRATES IN THE CYCLE LANES MUST BE CHANGED TO CYCLE SAFE GRATES.
5. WIDENING DIMENSIONS AT 5m INTERVALS IN EITHER DIRECTION STARTING FROM EXISTING SUMP LOCATION



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REV	DATE	REVISION DETAILS	APPROVED
0	27/03/24	FOR CONSTRUCTION	G MURISON

SCALE	SIZE
1:50	A0

FOR CONSTRUCTION

PROJECT	TITLE
KARORI TO BOTANIC GARDEN KI PAKAKA CONNECTIONS WCC TRANSITIONAL CYCLEWAYS	SERVICE LAYOUT PRIMARY ROUTE - IFC DESIGNS GLENMORE STREET - HORSESHOE BEND SHEET 2 (OF 10)

DRAWING No.	PROJECT No.	AREA	DISC	NUMBER	REV
522550	0000	DRG	DGN	0312	0



EXISTING STORMWATER CHANNELS

EXISTING STORMWATER CHANNELS

**NOTE:**

1. NO PHYSICAL SURVEY WAS CARRIED OUT FOR THE DESIGN.
2. THE PROPOSED DESIGN IS BASED ON THE DESKTOP SURVEY ONLY.
3. POSITIONS OF EXISTING SERVICES TO BE CONFIRMED ON SITE.
4. ALL SUMP GRATES IN THE CYCLE LANES MUST BE CHANGED TO CYCLE SAFE GRATES.

LEGEND	
	NEW ROAD MARKINGS
	EXISTING ROAD MARKINGS TO BE RETAINED
	4.0m x 0.4m CYCLE LANE SEPARATORS
	NEW KERBS
	REMOVED KERBS
	EXISTING STORMWATER INFRASTRUCTURE
	NEW STORMWATER INFRASTRUCTURE
	EXISTING ELECTRICITY INFRASTRUCTURE
	NEW ELECTRICITY INFRASTRUCTURE
	EXISTING GAS LINE
	EXISTING WATER LINE
	EXISTING WASTE WATER LINE
	EXISTING OVERHEAD LINE
	EXISTING VODAFONE LINE
	EXISTING CHORUS LINE

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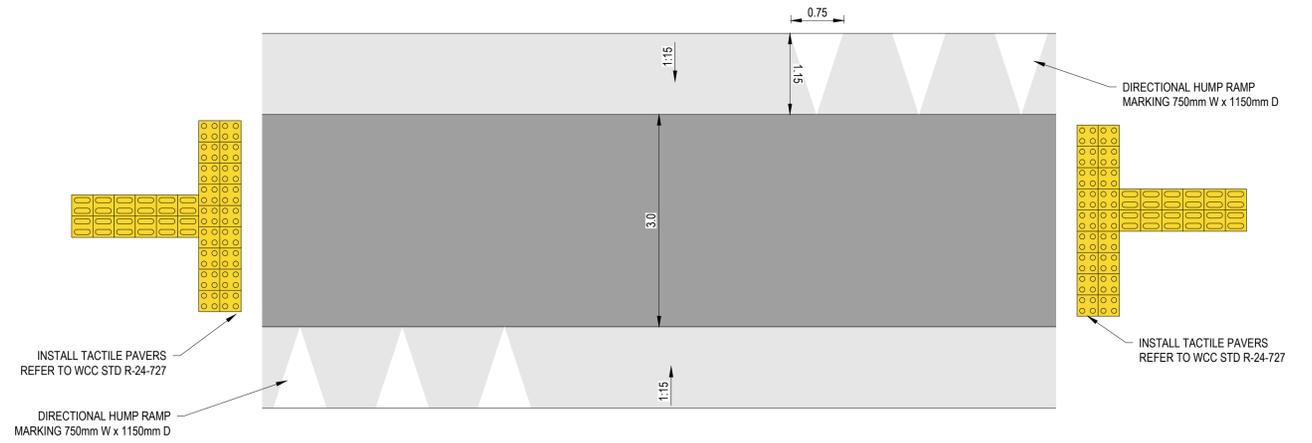
REV	DATE	REVISION DETAILS	APPROVED
0	15/12/23	FOR CONSTRUCTION	G. MURISON
1	27/03/24	FOR CONSTRUCTION	G. MURISON

SCALE	SIZE	FOR CONSTRUCTION
1:50	A0	FOR CONSTRUCTION

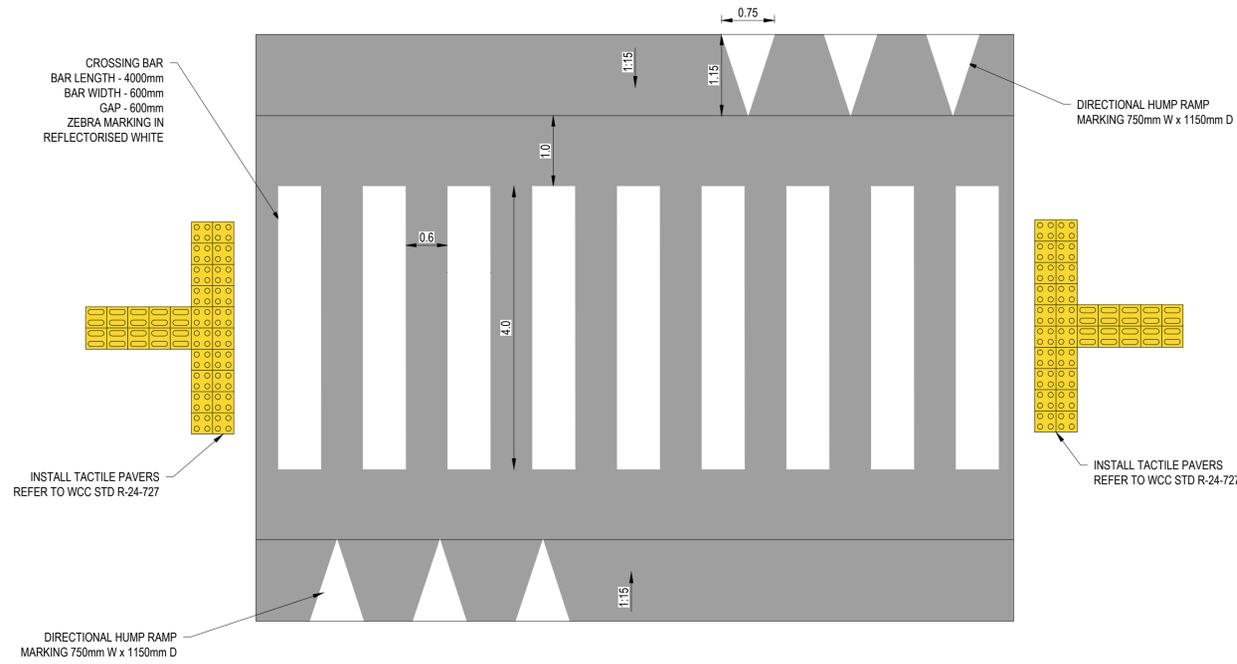
PROJECT	TITLE	DRAWING No.	PROJECT No.	AREA	DATE	REV
KARORI TO BOTANIC GARDEN KI PĀEKAKA CONNECTIONS WCC TRANSITIONAL CYCLEWAYS	SERVICE LAYOUT PRIMARY ROUTE - IFC DESIGNS GLENMORE STREET - BEFORE THE TUNNEL SHEET 3 (OF 10)	522550 - 0000 - DRG - DGN - 0313 - 1	522550	0000	DRG - DGN	0313 - 1

**NOTE:**

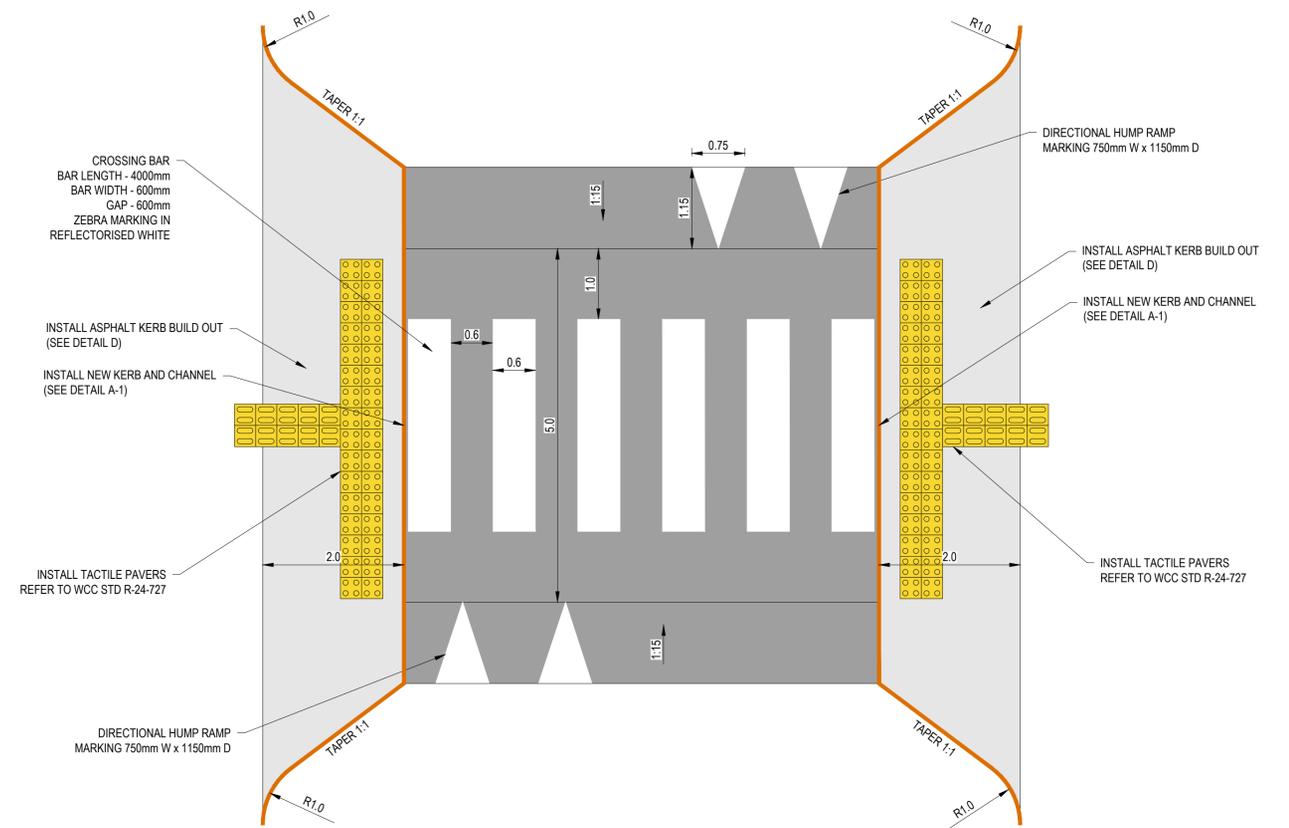
- EXISTING GROUND LINE IS INDICATIVE ONLY AND THE PROPOSED LEVELS ARE RELATIVE TO THE EXISTING GROUND.
- PROPOSED SPEED TABLE SHOULD BE 75mm IN HEIGHT AT CENTRE LINE. WIDTH AS SHOWN BELOW. CONTRACTOR TO ENSURE ADEQUATE GRADING IS PROVIDED TO CHANNEL DRAIN BEFORE COMMENCING CONSTRUCTION.
- CONTRACTOR 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.
- APPROPRIATE DRAINAGE SHALL BE ACHIEVED ON ALL GRADING AREAS. CONTRACTOR IS RESPONSIBLE TO RESOLVE ANY IMPROPER LOW POINT WHICH IS CREATED AFTER CONSTRUCTION.



**1-B TYPICAL LAYOUT OF A RAISED PEDESTRIAN CROSSING**  
SCALE 1:50



**1-A TYPICAL LAYOUT OF A RAISED PEDESTRIAN CROSSING**  
SCALE 1:50



**1-C TYPICAL LAYOUT OF A RAISED PEDESTRIAN CROSSING**  
SCALE 1:50

File Name: C:\USER\TARRYN.PETERS\AURECON\GROUP\525550 - CIVIL CITY STREETS TRANCHE - 3 DEVELOP\30 CHANGE\WCC TRANSITIONAL CYCLEWAYS\303 DELIVERABLES\307 DETAIL DESIGN\FC - PRIMARY ROUTE\TELE2560000.DWG-DGN-6500-3-TYPICAL DETAILS.DWG  
 Plot Date: 2019/03/11 11:00  
 Office Path



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REV	DATE	REVISION DETAILS	APPROVED
0	15/12/23	FOR CONSTRUCTION	G MURISON
1	19/12/23	FOR CONSTRUCTION - DETAIL 1A+1B UPDATED	G MURISON
2	26/02/24	FOR CONSTRUCTION - LINEMARKING UPDATE	G MURISON
3	15/03/24	FOR CONSTRUCTION - DETAIL 1C ADDED	G MURISON

SCALE	SIZE
AS SHOWN	A1
<b>DRAWN</b>	
T PETERS	
<b>DESIGNED</b>	
T PETERS	
<b>REVIEWED</b>	
S HAMILTON	

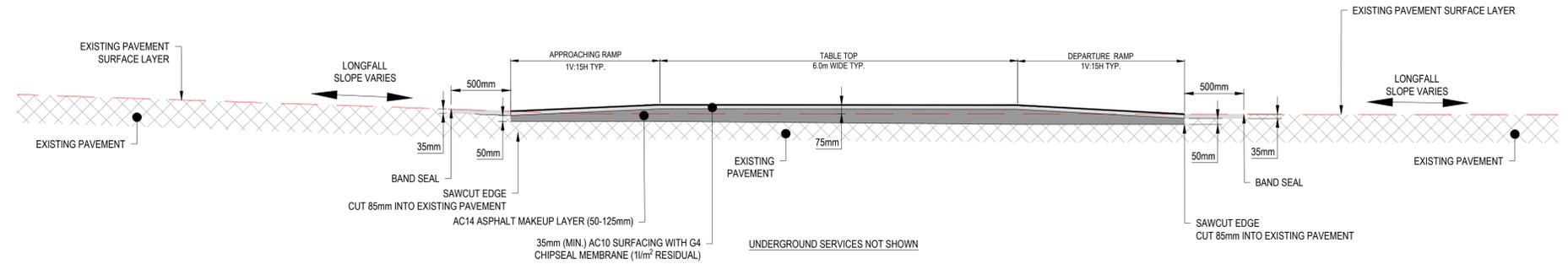
FOR CONSTRUCTION
<b>APPROVED</b>
DATE

PROJECT	KARORI TO BOTANIC GARDEN KI PAEKAKA CONNECTIONS WCC TRANSITIONAL CYCLEWAYS
TITLE	RAISED PEDESTRIAN CROSSING LAYOUTS TYPICAL DETAILS PRIMARY ROUTE - 100% DESIGN IFC
DRAWING No.	522550 - 0000 - DRG - DGN - 0501 - 3

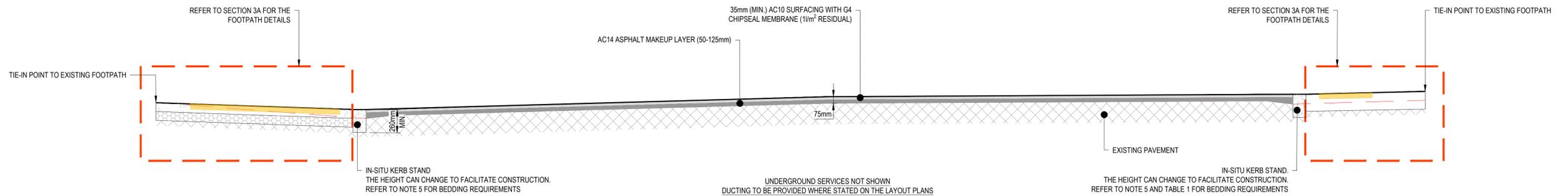
NOTE:

- 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 DETAIL LAYOUT SHEET (0501). 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.
- APPROPRIATE DRAINAGE SHALL BE ACHIEVED ON ALL GRADING AREAS. CONTRACTOR IS RESPONSIBLE TO RESOLVE ANY IMPROPER LOW POINT WHICH IS CREATED AFTER CONSTRUCTION.

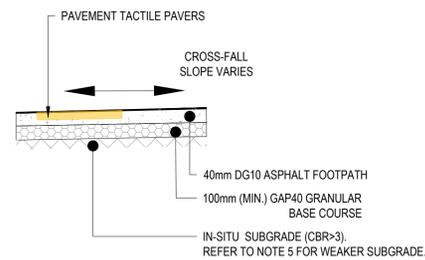
LEGEND	
EXISTING GROUND	---
DESIGN SURFACE	—



**2** TYPICAL SECTION ALONG THE CENTRE LINE OF THE ROAD



**3** TYPICAL SECTION ALONG THE RAISED TABLE  
SCALE 1:25



**3A** NEW FOOTPATH NEXT TO THE RAISED TABLE  
SCALE 1:25

File Name: C:\USER\TERRY\PETERS\AURECON\GROUP\52550 - 100M CITY STREETS TRANCHE - 3 DEVELOP\300 CHANGE\WCC TRANSITIONAL CYCLEWAYS\303 DELIVERABLES\307 DETAIL DESIGN\FC - PRIMARY ROUTE\1252550-000-DRG-0502-3 TYPICAL DETAILS.DWG  
 Plot Date: 2019/03/28 11:02:00  
 Office Path



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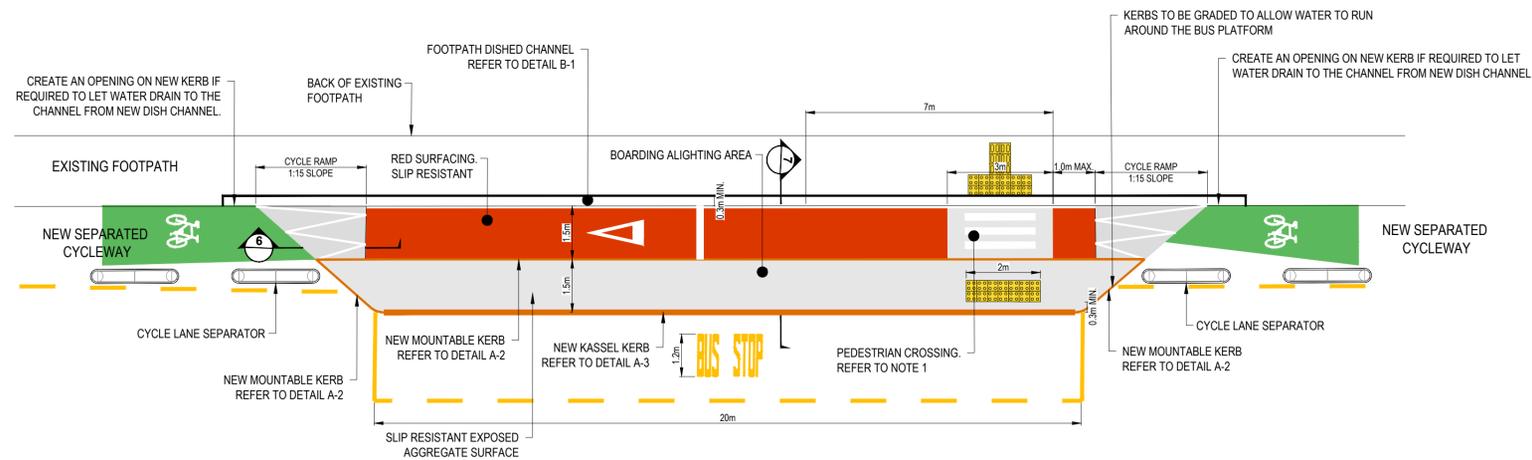
REV	DATE	REVISION DETAILS	APPROVED
0	15/12/23	FOR CONSTRUCTION	G MURISON
1	19/12/23	FOR CONSTRUCTION- DETAIL 2 UPDATED	G MURISON
2	27/03/24	FOR CONSTRUCTION	G MURISON

SCALE	SIZE
AS SHOWN	A1
<b>DRAWN</b>	
T PETERS	
<b>DESIGNED</b>	
T PETERS	
<b>REVIEWED</b>	
S HAMILTON	

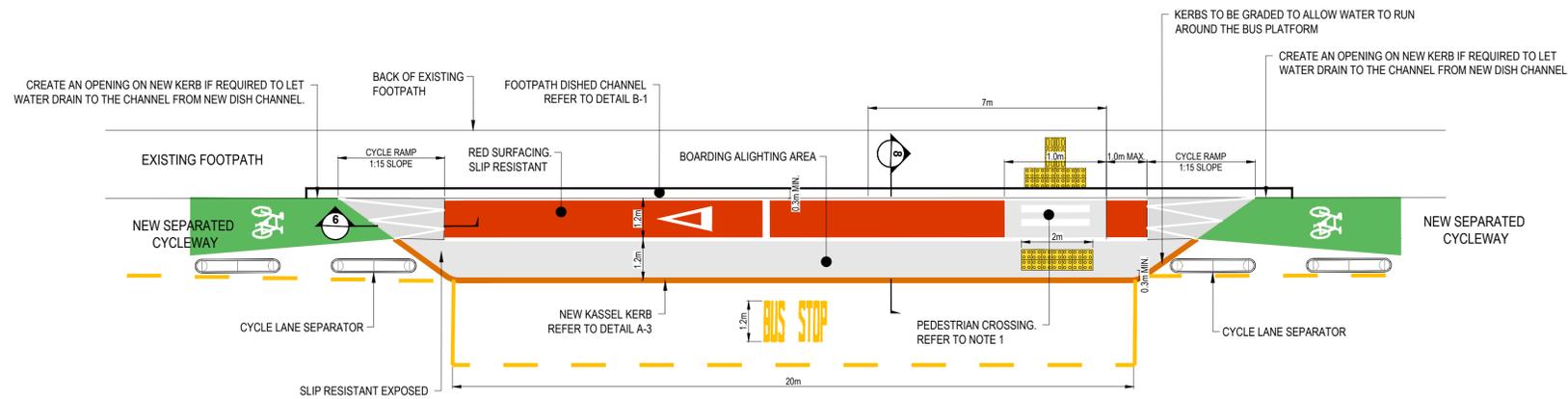
FOR CONSTRUCTION
APPROVED
DATE

PROJECT	KARORI TO BOTANIC GARDEN KI PAEKAKA CONNECTIONS WCC TRANSITIONAL CYCLEWAYS
TITLE	RAISED PEDESTRIAN CROSSING SECTIONS TYPICAL DETAILS PRIMARY ROUTE - IFC DESIGN
DRAWING No.	522550 - 0000 - DRG - DGN - 0502 - 2

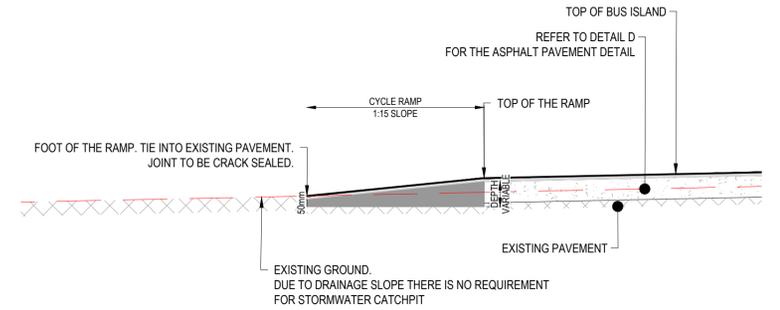
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 Plot Date: 2018/03/28 11:02:00  
 Office Path



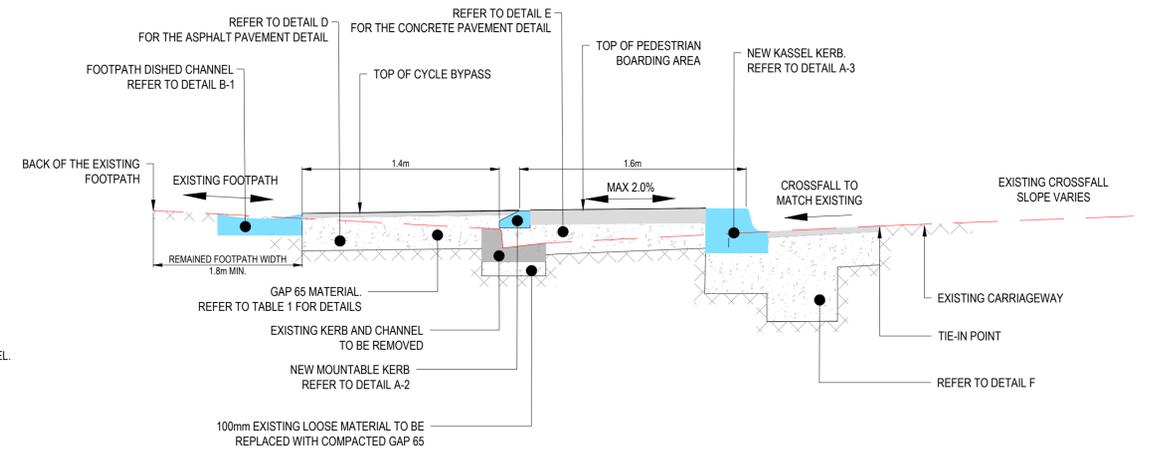
**4 BOTANIC GARDENS BUS PLATFORM DETAIL**  
SCALE 1:100



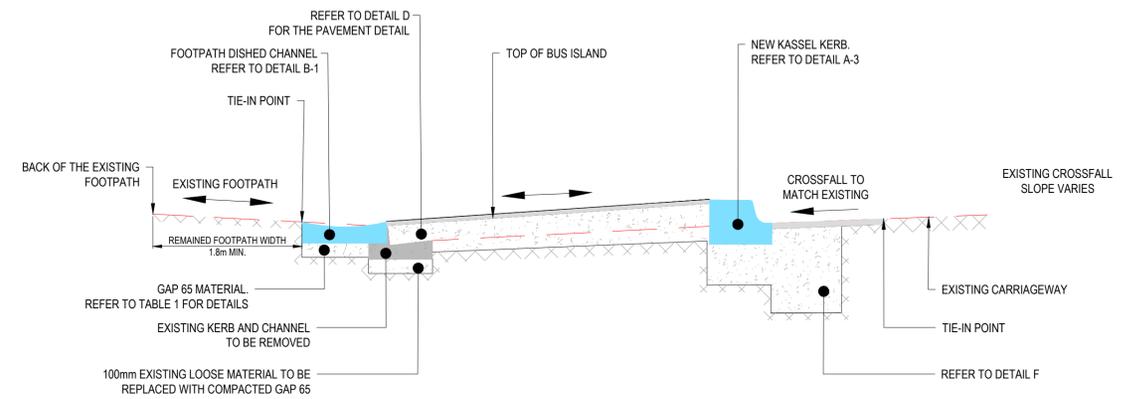
**5 206 KARORI ROAD BUS PLATFORM DETAIL**  
SCALE 1:100



**6 CYCLE RAMP - TYPICAL CROSS SECTION**  
SCALE 1:25



**7 BOTANIC GARDENS BUS PLATFORM CROSS SECTION**  
SCALE 1:25



**8 TYPICAL CROSS SECTION**  
SCALE 1:25

**NOTE:**

- 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 PLATFORM 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	—



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REV	DATE	REVISION DETAILS	APPROVED
0	27/03/24	FOR CONSTRUCTION	G MURISON

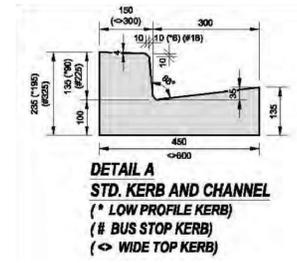
SCALE	SIZE
AS SHOWN	A1
<b>DRAWN</b>	T PETERS
<b>DESIGNED</b>	T PETERS
<b>REVIEWED</b>	S HAMILTON

FOR CONSTRUCTION
APPROVED DATE

PROJECT	KARORI TO BOTANIC GARDEN KI PAKAKA CONNECTIONS WCC TRANSITIONAL CYCLEWAYS
TITLE	BUS PLATFORMS TYPICAL DETAILS PRIMARY ROUTE - IFC DESIGN
DRAWING No.	522550 - 0000 - DRG - DGN - 0503 - 0

NOTE:

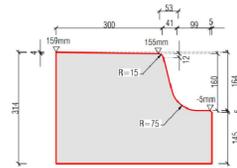
- STANDARD KERB SHALL BE LAID ON 300mm (MIN) GAP65 SUBBASE IN ROADS AND 100mm GAP40 IN FOOTPATHS (WHERE SUBGRADE CBR>5) IF THE SUBGRADE CBR<5 THEN ROADS AND FOOTPATH MUST BE UNDERCUT AND BACKFILLED WITH FILLING MATERIALS.
- TACTILE GROUND INDICATORS MUST BE INSTALLED IN ACCORDANCE WITH:
  - NZTA RTS 14: GUIDELINE FOR FACILITIES FOR BLIND AND VISION-IMPAIRED PEDESTRIANS
  - ASINZS 1428.4:2009 DESIGN FOR ACCESS AND MOBILITY
  - WAKA KOTAHĪ 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 TO BE LOCATED OUTSIDE OF WHEELPATHS.



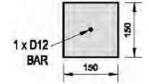
**A-1 STANDARD KERB**  
SCALE 1:10



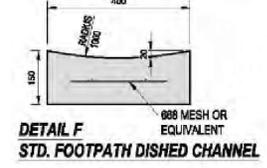
**A-2 MOUNTABLE KERB**  
SCALE 1:10



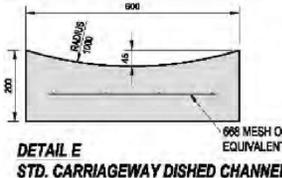
**A-3 KASSEL KERB**  
SCALE 1:10



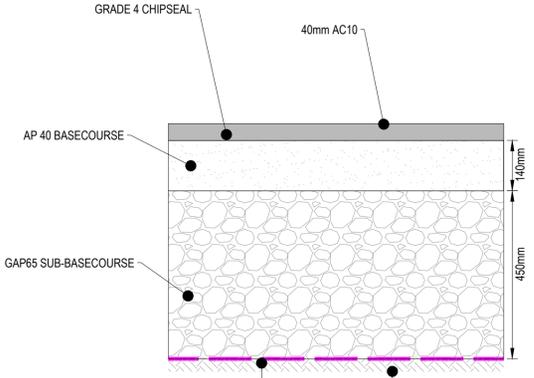
**A-4 STANDARD NIB**  
SCALE 1:10



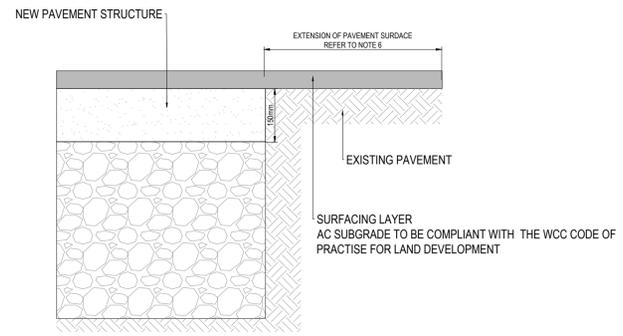
**B-1 FOOTPATH DISHED CHANNEL**  
SCALE 1:10



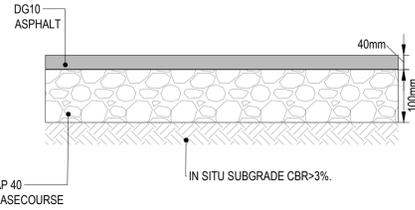
**B-2 CARRIAGEWAY DISHED CHANNEL**  
SCALE 1:10



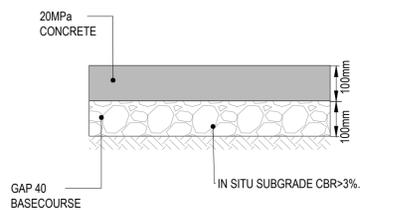
**C ROAD PAVEMENT DETAIL**  
SCALE 1:10



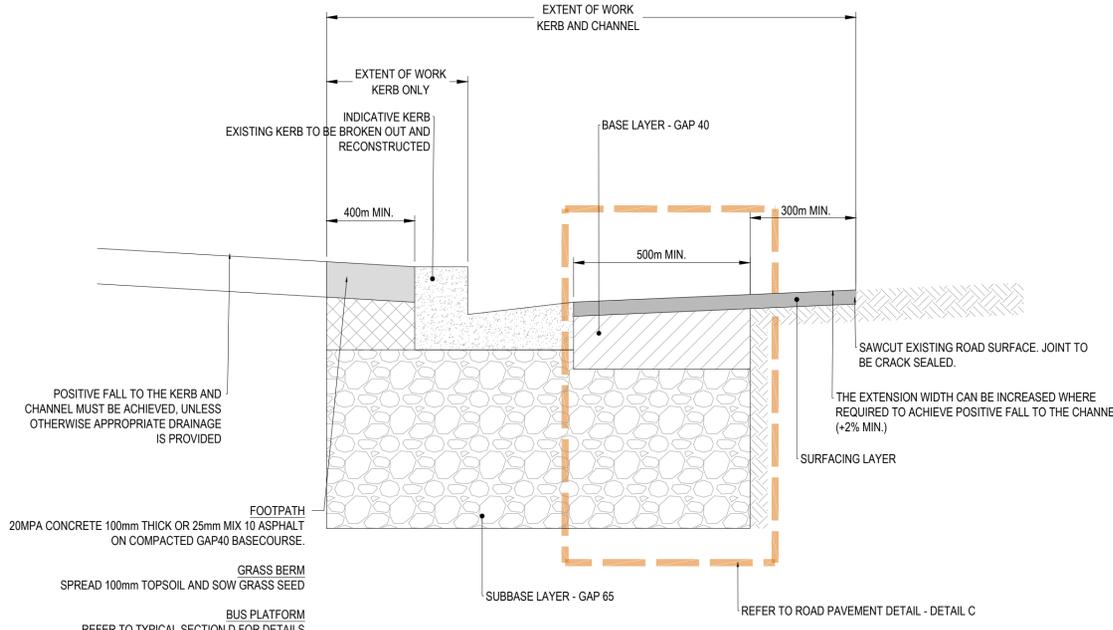
**C-1 PAVEMENT JOINTS**  
SCALE 1:10



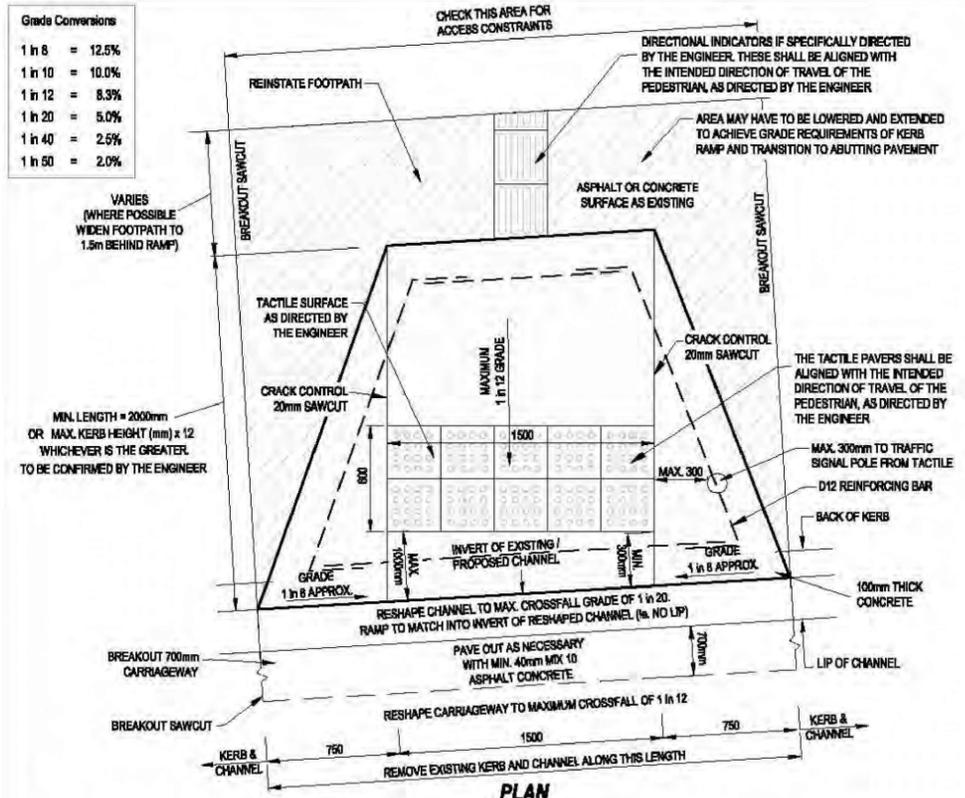
**D ASPHALT FOOTPATH PAVEMENT**  
SCALE 1:10



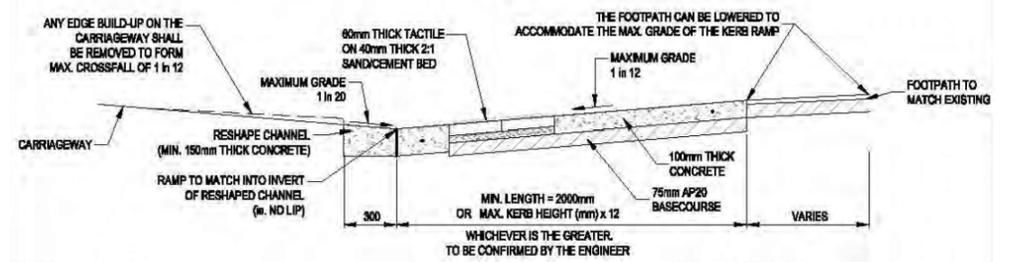
**E CONCRETE FOOTPATH PAVEMENT**  
SCALE 1:10



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



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



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

File Name: C:\USERS\TERRY\PICTURES\AURECON GROUP\22555 - LOW W CITY STREETS TRANCHIE - 3 DEVELOP\305 CHANGE\WCC TRANSITIONAL CYCLEWAYS\00 DELIVERABLES\07 DETAIL DESIGN\FC - PRIMARY ROUTE\2525550000 DRG-DGN-000-01 TYPICAL DETAILS.DWG  
Plot Date: 2018-02-28 11:02:00

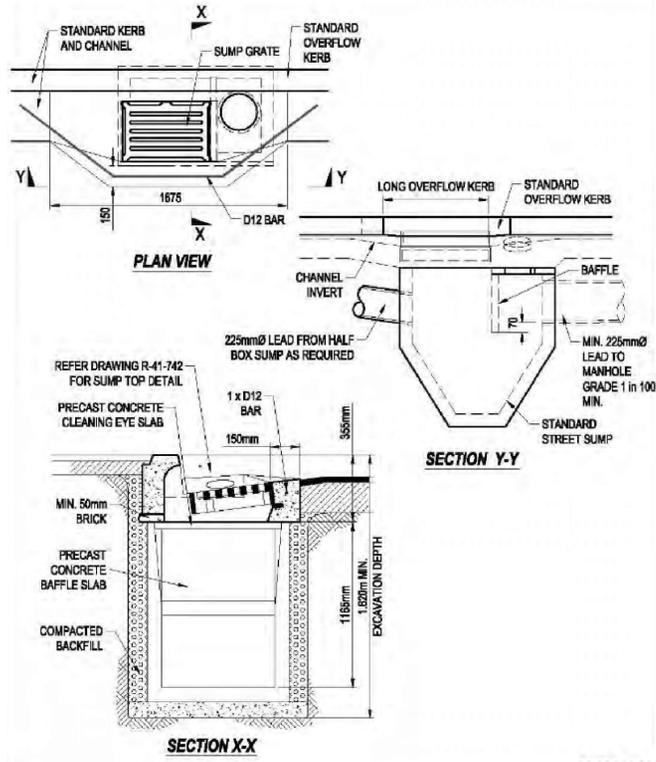
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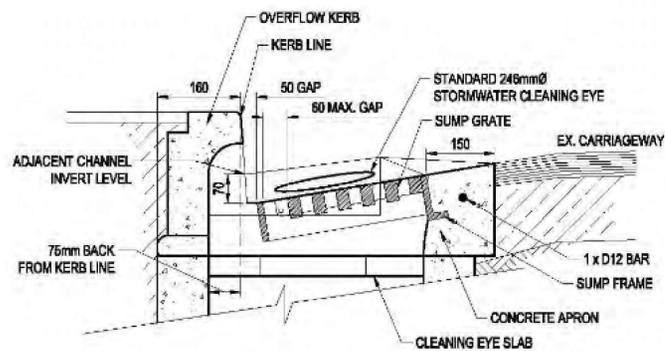
CLIENT	REV	DATE	REVISION DETAILS	APPROVED	SCALE	SIZE	FOR CONSTRUCTION	PROJECT
Wellington City Council	0	15/12/23	FOR CONSTRUCTION	G MURISON	AS SHOWN	A1	FOR CONSTRUCTION	KARORI TO BOTANIC GARDEN KI PĀEKĀKA CONNECTIONS WCC TRANSITIONAL CYCLEWAYS
	1	15/03/24	FOR CONSTRUCTION	G MURISON				
					DRAWN		APPROVED	KERBS, PAVEMENTS, PEDESTRIAN RAMP TYPICAL DETAILS PRIMARY ROUTE - 100% DESIGN IFC
					DESIGNED		DATE	
					REVIEWED			
					S HAMILTON			DRAWING No. PROJECT No. AREA TYPE DISC NUMBER REV
								522550 - 0000 - DRG - DGN - 0504 - 1

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 METRICAL.
- ROAD SURFACE JOINT ARE TO BE SEALED WITH APPROVED SEALANT.
- WHERE STABILISED LAYERS EXIST UNDER THE PAVEMENT, THE TRENCH SHALL BE REINSTATED WITH SIMILAR METRICAL. USING OTHER MATERIAL SHALL BE APPROVED BY THE ENGINEER.
- SEE WELLINGTON WATER REGIONAL SPECIFICATION FOR WATER SERVICES DRG-01 FOR MANHOLE INSTALLATION DETAILS
- SET OUT OF CATCHPIT 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
- HALF BOX SUMP:
  - HALF BOX SUMP IS TO MATCH WELLINGTON CITY COUNCIL STANDARD SUMP REQUIREMENTS. ADDITIONAL REQUIREMENTS FOR HALF BOX SUMP ARE NOTED.
  - HALF BOX SUMP LID LEVEL IS TO BE AT LEAST 150mm LOWER THAN THE UPSTREAM INLET SUMP LID LEVEL.
  - ALL CONNECTIONS TO THE HALF BOX SUMP SYSTEM ARE TO BE SEALED.
- SUMPS ARE TO BE INSTALLED IN ACCORDANCE WITH WELLINGTON CITY COUNCIL'S CODE OF PRACTICE

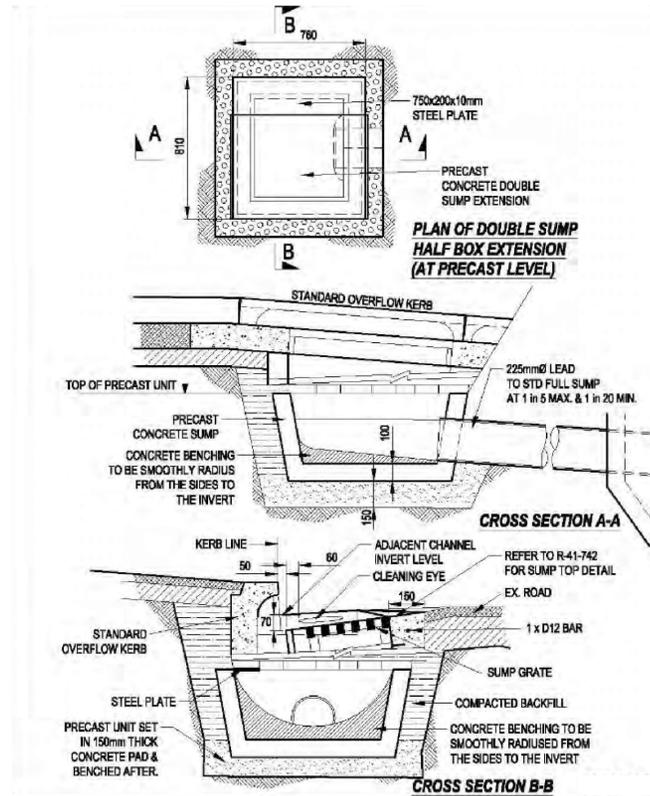


**H WCC SUMP AND SECTION**  
SCALE 1:25



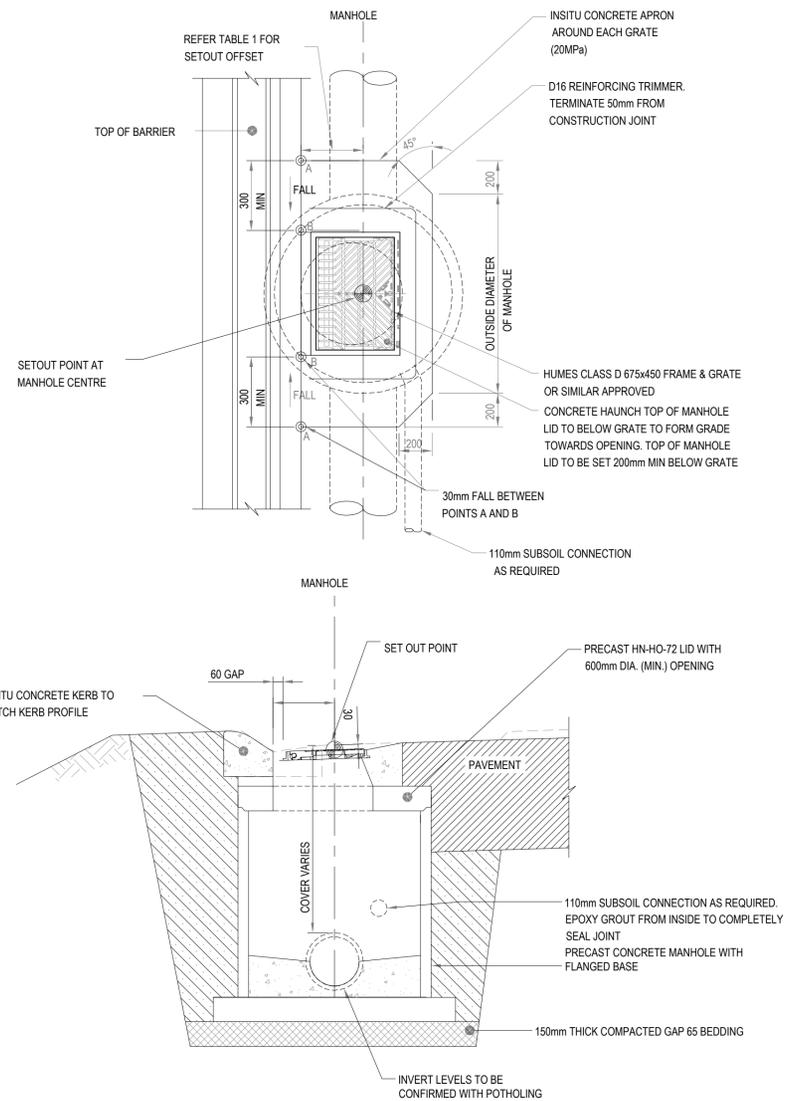
REFER TO PLAN NO. R-41-742 IN WCC CODE OF PRACTICE FOR LAND DEVELOPMENT FOR DETAILS

**H-1 TOP OF SUMP**  
SCALE 1:10

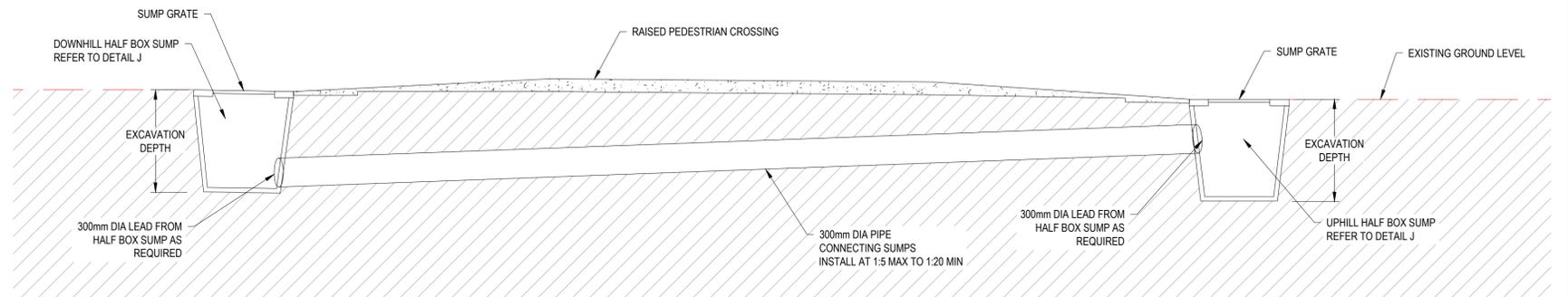


REFER TO PLAN NO. R-41-741 IN WCC CODE OF PRACTICE FOR LAND DEVELOPMENT FOR DETAILS

**J WCC HALF BOX SUMP EXTENSION AND SECTION**  
SCALE 1:20



**K CATCHPIT MANHOLE**  
SCALE 1:20



**I TYPICAL SECTION OF A HALF BOX SUMP**  
SCALE 1:25

File Name: C:\USERS\TARYN\FETERS\AURECON\GROUP\22595 - LOWM CITY STREETS TRANSDIE - 3 DEVELOP\305 CHANGE\WCC TRANSITIONAL CYCLEWAYS\SD DELIVERABLES\707 DETAIL DESIGN\100% DESIGN - PRIMARY ROUTE\TES2550-0000\PRECON\0000\4-TYPICAL DETAILS.DWG  
 Plot Date: 2018-02-28 11:02:00  
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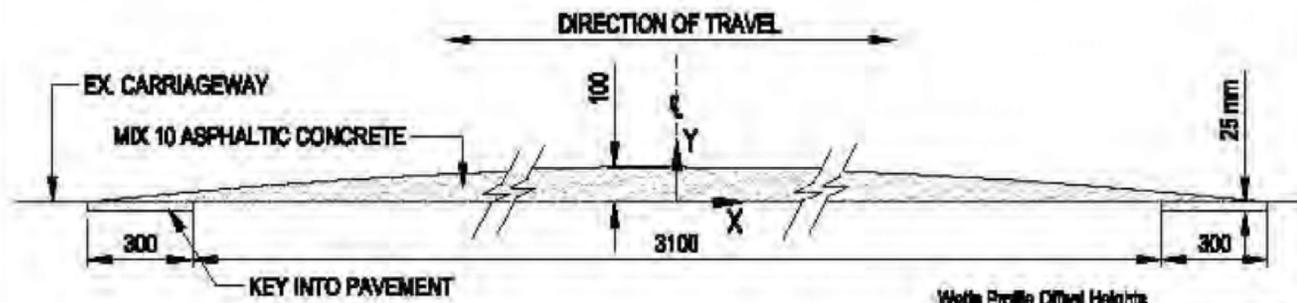
CLIENT  
**Absolutely Positively Wellington City Council**  
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REV	DATE	REVISION DETAILS	APPROVED
0	15/12/23	FOR CONSTRUCTION	G MURISON

SCALE	SIZE
AS SHOWN	A1
DRAWN	A IBRAHIM
DESIGNED	A IBRAHIM
REVIEWED	S HAMILTON

FOR CONSTRUCTION
APPROVED DATE

PROJECT	KARORI TO BOTANIC GARDEN KI PAKAKA CONNECTIONS WCC TRANSITIONAL CYCLEWAYS
TITLE	SUMPS, HALF BOX SUMP TYPICAL DETAILS PRIMARY ROUTE - 100% DESIGN IFC
DRAWING No.	522550
PROJECT No.	522550
AREA	0000
TYPE	DRG
DISC	DGN
NUMBER	0505
REV	0



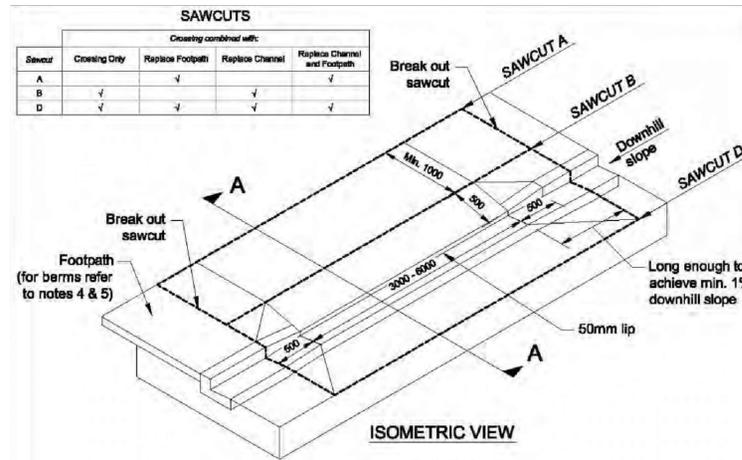
## WATTS PROFILE

Watts Profile Official Heights

X (m)	Y (mm)	X (m)	Y (mm)	X (m)	Y (mm)
0.0	100	0.7	85	1.4	63
0.1	90	0.8	81	1.5	54
0.2	88	0.9	79	1.6	54
0.3	97	1.0	71	1.7	16
0.4	95	1.1	65	1.8	6
0.5	85	1.2	58		
0.6	90	1.3	61		

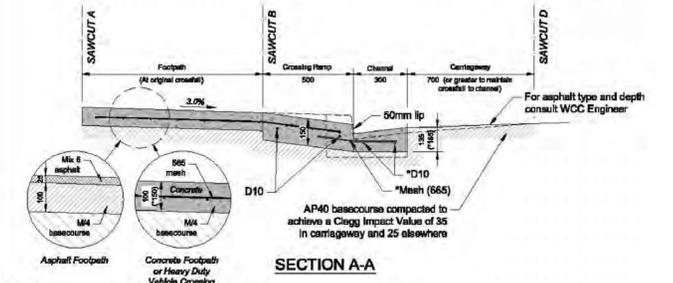
REFER TO PLAN NO. R-45-702 IN WCC CODE OF PRACTICE FOR LAND DEVELOPMENT FOR DETAILS

**N** WATTS PROFILE SPEED HUMP  
SCALE 1:10



REFER TO PLAN NO. R-24-722 IN WCC CODE OF PRACTICE FOR LAND DEVELOPMENT FOR DETAILS

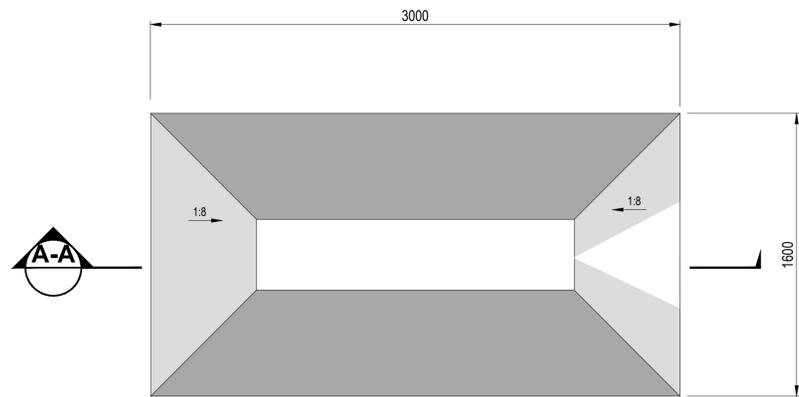
**O** VEHICLE CROSSING  
NTS



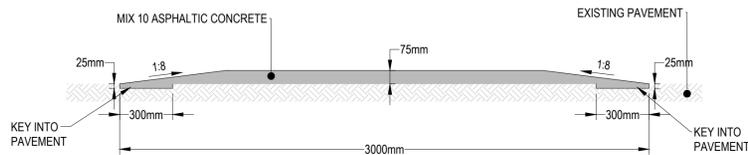
NOTES:  
1) WHERE KERB HEIGHT EXCEEDS 135mm REFER TO ENGINEER.  
2) 20 MPa (80-120 SLUMP) CONCRETE WITH LIGHTLY BROOMED FINISH.  
3) SOFT SUBSOILS TO BE UNDERCUT BY 200mm AND FILLED WITH COMPACTED BASECOURSE.  
4) CROSSING DETAILS SHOWN ALSO APPLY WHERE NO PUBLIC FOOTPATH EXISTS.  
5) WHERE A GRASS BERM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

REFER TO PLAN NO. R-24-722 IN WCC CODE OF PRACTICE FOR LAND DEVELOPMENT FOR DETAILS

**O-A** VEHICLE CROSSING - SECTION A-A  
NTS



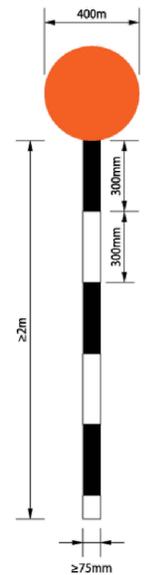
**P** ASPHALT SPEED CUSHION  
SCALE 1:20



**P-1** SECTION A-A  
SCALE 1:20



**R** NEW MEDIAN ISLANDS AT CURTIS STREET INTERSECTION  
1:100



**S** TYPICAL BELISHA BEACON  
1:15

File Name: C:\USERS\TARYN\PETERS\AURECON\GROUP\22595 - LOWM CITY STREETS TRANCHIE - 3 DEVELOP\305 CHANGE\WCC TRANSITIONAL CYCLEWAYS\20 DELIVERABLES\7 DETAIL DESIGN\100% DESIGN - PRIMARY ROUTES\25250-0000\DRG-CON-0000-1.TYPICAL DETAILS.DWG  
Plot Date: 2018-02-28 11:02:00  
Office: Peth



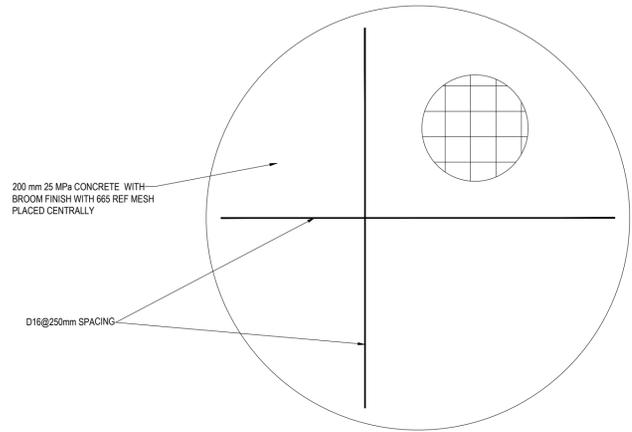
CLIENT  
**Absolutely Positively  
Wellington City Council**  
Me Heke Ki Pōneke

REV	DATE	REVISION DETAILS	APPROVED
0	15/12/23	FOR CONSTRUCTION	G MURISON

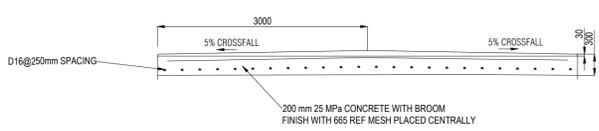
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AS SHOWN	A1
DRAWN	T PETERS
DESIGNED	T PETERS
REVIEWED	S HAMILTON

FOR CONSTRUCTION
APPROVED DATE

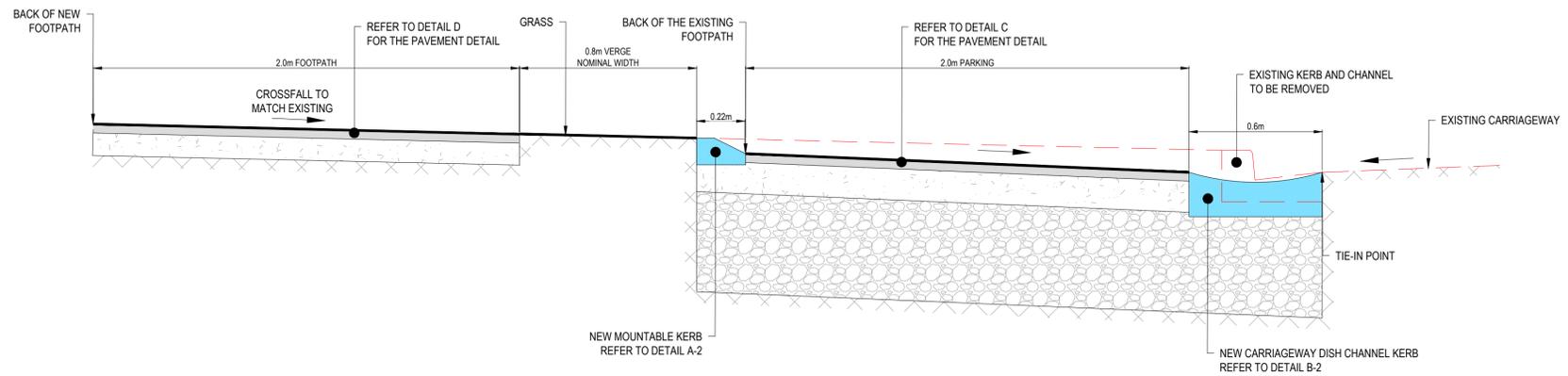
PROJECT	KARORI TO BOTANIC GARDEN KI PAEKAKA CONNECTIONS WCC TRANSITIONAL CYCLEWAYS
TITLE	WATTS SPEED HUMP, VEHICLE CROSSING, SPEED CUSHION TYPICAL DETAILS PRIMARY ROUTE - 100% DESIGN IFC
DRAWING No.	522550
PROJECT No.	522550
AREA	0000
TYPE	DRG
DISC	DGN
NUMBER	0506
REV	0



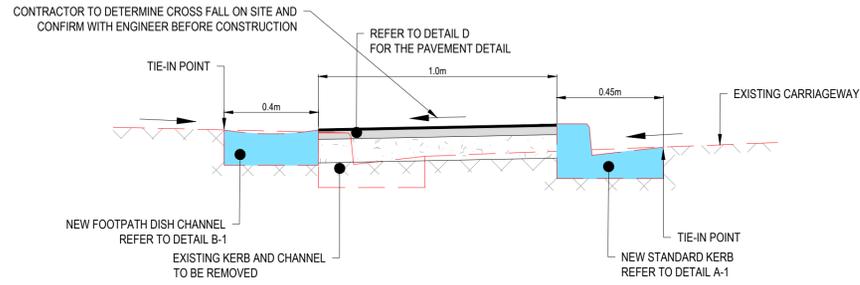
**T MOUNTABLE TRAFFIC CIRCLE - PLAN**  
1:50



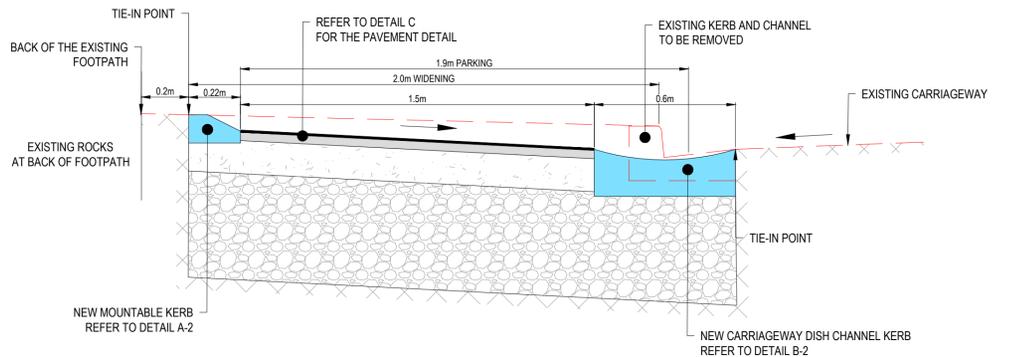
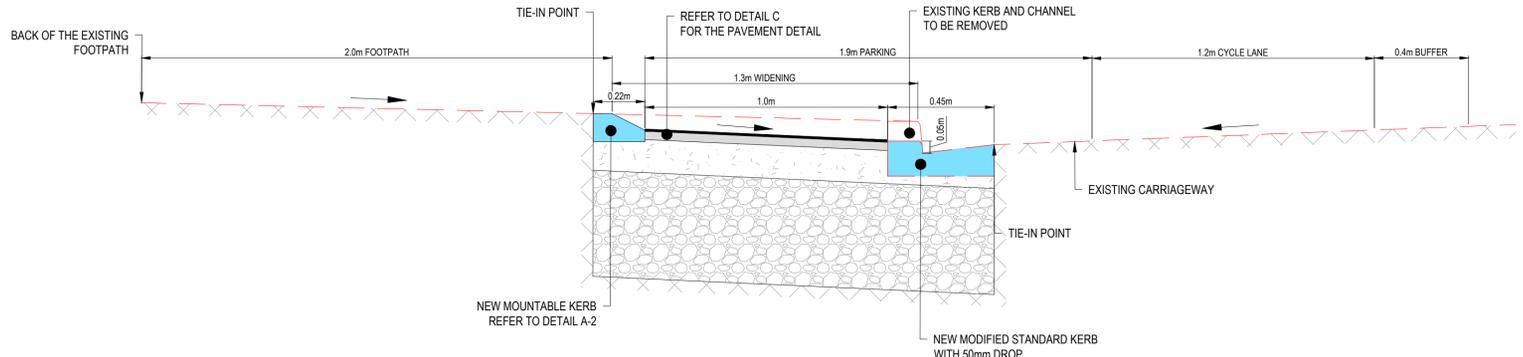
**T-1 MOUNTABLE TRAFFIC CIRCLE - CROSS SECTION**  
1:50



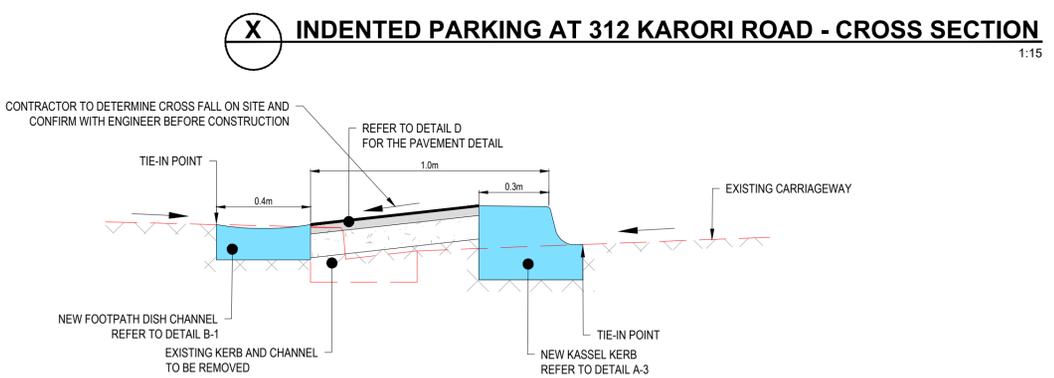
**U INDENTED PARKING AT 152 GLENMORE STREET - CROSS SECTION**  
1:15



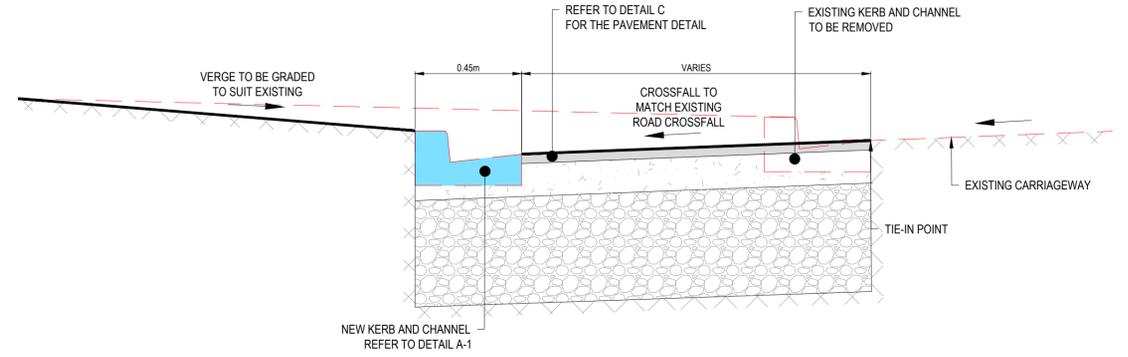
**V KERB BUILD OUT FOR BUS STOP AT 139 KARORI ROAD - CROSS SECTION**  
1:15



**W INDENTED PARKING AT 181 GLENMORE STREET - CROSS SECTION**  
1:15



**X INDENTED PARKING AT 312 KARORI ROAD - CROSS SECTION**  
1:15



**Z HORSESHOE BEND WIDENING - CROSS SECTION**  
1:15

**Y KERB BUILD OUT FOR BUS STOP AT 247 KARORI ROAD - CROSS SECTION**  
1:15

File name: C:\Users\TERRY\PETERS\AURECON\GROUP\2259 - LGW\WCC\STREETS\TRAFFIC - LGW\WCC\TRANSITIONAL CYCLEWAYS\DELIVERABLES\07 DETAIL DESIGN\FC - PRIMARY ROUTE\IFC DESIGN\000 - TYPICAL DETAILS.DWG  
 Plot Date: 2018/02/28 11:20:00  
 Office: Pth



CLIENT		REV		DATE	REVISION DETAILS	APPROVED	SCALE	SIZE	FOR CONSTRUCTION	PROJECT
Absolutely Positively Wellington City Council Me Heke Ki Pōneke		0	27/03/24		FOR CONSTRUCTION	G MURISON	AS SHOWN	A1	FOR CONSTRUCTION	KARORI TO BOTANIC GARDEN KI PAEKAKA CONNECTIONS WCC TRANSITIONAL CYCLEWAYS
							DRAWN T PETERS		APPROVED	KERB CHANGES CROSS SECTIONS TYPICAL DETAILS PRIMARY ROUTE - IFC DESIGN
							DESIGNED T PETERS		DATE	
							REVIEWED M FRANCIS			
DRAWING No.	PROJECT No.	AREA	TYPE	DISC	NUMBER	REV				
522550	0000	DRG	DGN	0508	0					