

PLAN NUMBER 6359

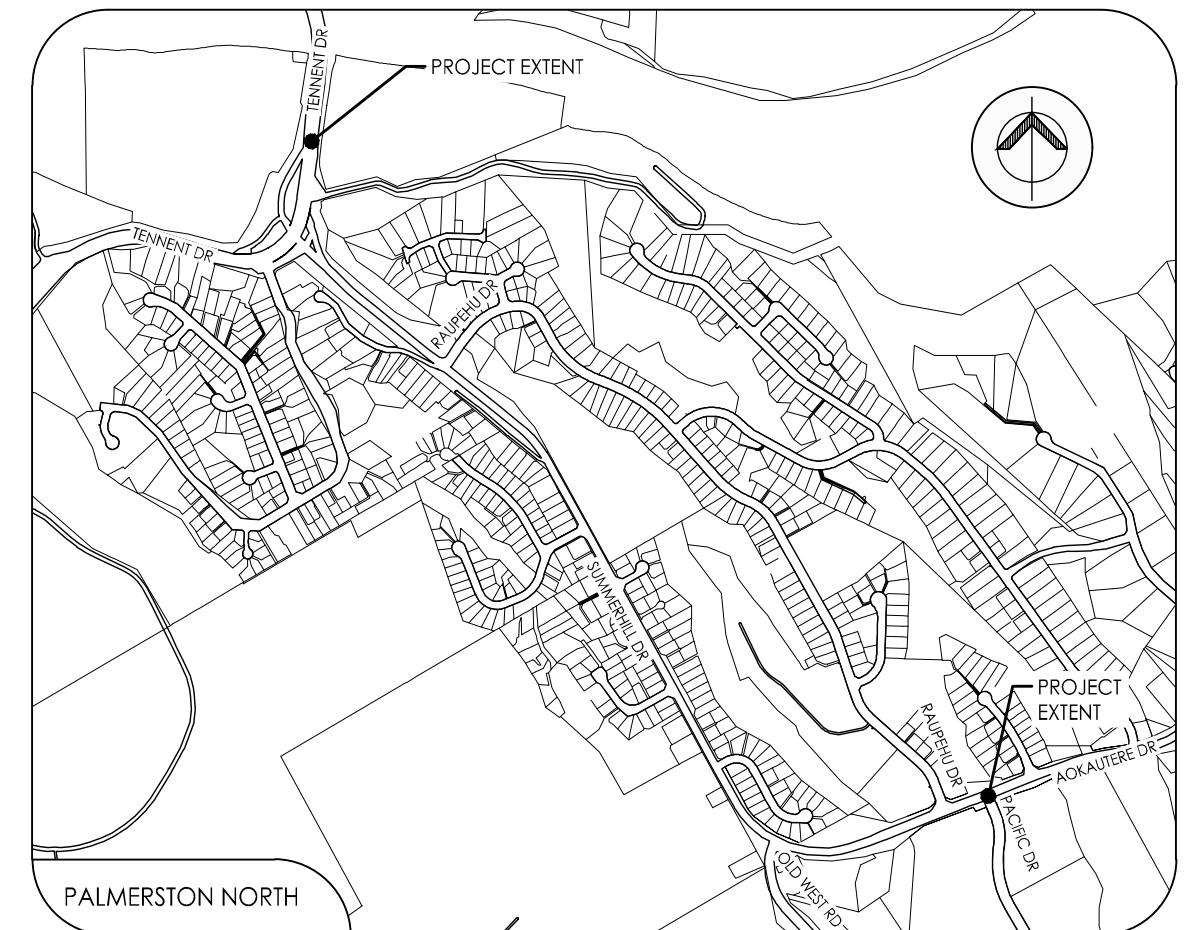
TRANSPORT CHOICES

SUMMERHILL DRIVE CYCLEWAY



NOT FOR
CONSTRUCTION

SHEET	DRAWING TITLE	REVIEW
G01	COVER SHEET	A
G02	SAFETY BY DESIGN REGISTER	A
G10	CONSULTATION PLAN	A
C01	ROAD LAYOUT	A
C02	ROAD LAYOUT	A
C03	ROAD LAYOUT	A
C04	ROAD LAYOUT	A
C05	ROAD LAYOUT	A
C06	ROAD LAYOUT	A
C07	ROAD LAYOUT	A
C08	ROAD LAYOUT	A
C09	ROAD LAYOUT	A
C15	VEHICLE TRACKING	A
C16	VEHICLE TRACKING	A
		22
		08
		23



FOR COMMENT ONLY

PROJECT STAGE AND ELEMENT		IDENTIFIED HAZARDS	HOW IS HAZARD MANAGED IN DESIGN?	RESIDUAL RISK AND ADDITIONAL REQUIREMENTS	
			ELIMINATED / MINIMISED	THE LEVEL OF RISK & RISK OWNER AFTER THE HAZARD HAS BEEN MANAGED	
<ul style="list-style-type: none"> ✓ CONSTRUCTION ✓ OPERATIONS ✓ MAINTENANCE ✓ DISPOSAL/DEMOLITION 		IDENTIFY HEALTH AND SAFETY HAZARDS THAT MAY ARISE FROM THE DESIGN DURING THE LIFECYCLE OF THE 'STRUCTURE' AND THAT USERS NEED TO BE AWARE OF TO ENSURE THERE ARE NO RESULTING RISKS TO THEIR HEALTH AND SAFETY. HOW COULD SOMEONE BE INJURED DURING THE LIFE OF THIS COMPONENT? CAN I INFLUENCE THIS HAZARD THROUGH MY DESIGN?	CAN I ELIMINATE THE RISK OF INJURY THROUGH MY DESIGN? IF NOT, HOW CAN I REDUCE OR CONTROL THE RISK SO HARM IS UNLIKELY OR LESS SERIOUS?	CRITICAL, HIGH, MEDIUM OR LOW – FOR RATING SEE OVER PAGE FOR ANY HAZARDS THAT HAVE A RESIDUAL RISK OTHER THAN 'LOW', RECORD WHAT ADDITIONAL CONDITIONS (IF ANY) THE USERS OF THE STRUCTURE MUST BE AWARE OF TO ENSURE THAT EACH HAZARD IS REDUCED TO 'LOW', INCLUDING WHO IS RESPONSIBLE FOR COMPLETING THAT.	
1	CONSTRUCTION	RISK OF ROAD USERS BEING INJURED DUE TO HAULING MATERIALS LONG DISTANCES OVER HIGH VOLUME ROADS AND HIGHWAYS.	<ul style="list-style-type: none"> • CONSIDER USING OF IN-SITU AND LOCALLY AVAILABLE MATERIALS 	LOW	
2	CONSTRUCTION	RISK OF INJURY FROM CONFLICT BETWEEN VEHICLES USING THE EXISTING ROAD (LIVE TRAFFIC LANES) AND CONSTRUCTION WORKERS.	<ul style="list-style-type: none"> • CONSIDER ALIGNMENTS THAT REDUCE WORK NEEDED WITHIN OR ADJACENT TO LIVE TRAFFIC LANES (I.E. TIE IN AT EACH END). • POSSIBLE NIGHT WORKS" 	MEDIUM	
3	CONSTRUCTION	RISK OF INJURY FROM CONFLICT BETWEEN CONSTRUCTION VEHICLES AND VEHICLES USING THE EXISTING ROADS.	<ul style="list-style-type: none"> • CONSTRUCTION SEQUENCE PLAN TO ALLOW • SEGREGATION OF ROUTES USED BY CONSTRUCTION VEHICLES FROM ROUTES USED BY PUBLIC. • TRAFFIC DETOURS. • ACCESS CONSTRUCTION SITE VIA LOW VOLUME ROADS. • SAFE ACCESS TO THE CONSTRUCTION SITE INCLUDING ADEQUATE SIGHT DISTANCE. • HCV TO TURN WITHIN THE CONSTRUCTION SITE WITHOUT THE NEED TO REVERSE. 	MEDIUM	
4	CONSTRUCTION	RISK OF ELECTROCUTION DURING EXCAVATION FROM UNDERGROUND SERVICES.	<ul style="list-style-type: none"> • UNDERTAKE DESKTOP INVESTIGATION DURING INVESTIGATION AND DESIGN PHASE, WITH INTRUSIVE INVESTIGATIONS DURING CONSTRUCTION WITH GRP AND/OR POT HOLING. 	MEDIUM	
5	CONSTRUCTION	RISK TO ILLNESS/INJURY TO THE PUBLIC FROM CONSTRUCTION NOISE AND/OR VIBRATION.	<ul style="list-style-type: none"> • CONSIDER LESS NOISY ALTERNATIVES. • ALLOW CONSTRUCTION NOTICE DROPS TO AFFECTED OWNERS OF ADJACENT AND NEARBY PROPERTIES. 	LOW	
6	OPERATIONS	RISK OF INJURY RESULTING FROM CONFLICT BETWEEN VEHICLES	<ul style="list-style-type: none"> • PROVIDE ADEQUATE SIGHT DISTANCE AND STOPPING DISTANCES AT INTERSECTIONS, WITH SIGHT DISTANCE DESIGN CHECKS. • ENSURE SIGHTLINES ARE NOT COMPROMISED BY BARRIERS, SIGNS, PARKED CARS AND VEGETATION. • USE SELF-EXPLAINING ROAD DESIGN WHICH IS CONSISTENT WITH POSTED SPEED, INCLUDING USE OF SIDE FRICTION. 	LOW	TRAFFIC MANAGEMENT PLAN WILL PREVENT DRIVERS FROM COLLIDING IN ADDITION TO PREVIOUS MEASURES
7	OPERATIONS	RISK OF INJURY RESULTING FROM CONFLICT BETWEEN VEHICLES AND ACTIVE MODES (PEDESTRIANS/CYCLISTS)	<ul style="list-style-type: none"> • USE CYCLE SEPERATORS TO PREVENT VEHICLES INADVERTENTLY USING DEDICATED CYCLE LANES. 	LOW	
8	OPERATION	RISK OF INJURY RESULTING FROM CONFLICT BETWEEN NEW STREET FURNITURE AND WIDE LOADS.	<ul style="list-style-type: none"> • ENSURE THE REQUIRED LATERAL CLEARANCE (AS PER THE NZHHA REQUIREMENTS) IS AVAILABLE AT LOCATIONS WHERE THERE ARE CENTRAL TRAFFIC ISLANDS 	LOW	
9	MAINTENANCE	RISK OF INJURY RESULTING FROM CONFLICT BETWEEN VEHICLES AND MAINTENANCE PERSONNEL WHEN UNDERTAKING INSPECTIONS OR MAINTENANCE.	<ul style="list-style-type: none"> • SEGREGATE ACCESS FOR MAINTENANCE PERSONNEL FROM VEHICLE LANES. • PROVIDE SPACE FOR SAFE PARKING OF MAINTENANCE VEHICLES NEAR AREAS NEEDING TO BE INSPECTED OR MAINTAINED. • LOCATE LIGHTING POLES BEHIND BARRIERS AND/OR BEHIND CYCLEWAYS/FOOTPATHS. • AVOID PLANTING LANDSCAPE ELEMENTS THAT REQUIRE REGULAR MAINTENANCE (E.G. GRASS) NEAR LIVE TRAFFIC LANES 	LOW	
10	MAINTENANCE	RISK OF INJURY RESULTING FROM CONFLICT BETWEEN CYCLISTS AND MAINTENANCE PERSONNEL WHILE CLEARING THE KERB AND CHANNELS	<ul style="list-style-type: none"> • ENSURE TRAFFIC MANAGEMENT IS IN PLACE AND A DETOUR ROUTE FOR CYCLISTS WHILE CHANNEL CLEARING IS IN OPERATION 	LOW	

NOTES:
1. The Safety by Design register is to be read and developed through the life cycle of the project.

REV	AMENDMENTS	INITIAL	DATE
A	50% DESIGN	AG	22.08.23



PROGRAMME PROJECT
JOB TITLE
**TRANSPORT CHOICES
SUMMERHILL DRIVE
CYCLEWAY**

DRAWING TITLE
SAFETY BY DESIGN

	NAME	SIGNED	DATE
DESIGNED	AG		21.08.23
DES. REVIEW	WV		21.08.23
DRAWN	AG		21.08.23
DRW. CHECK	WV		21.08.23

APPROVED
FOR TENDER
DATE SIGNED

FOR CONSTRUCTION
DATE SIGNED

HAMISH FEATONBY - GROUP MAN. - TRANSPORT & DEV

STUART CARTWRIGHT - CHIEF ENGINEER - APPROVED

SCALES A1 1:250 A3 1:500
PNCC No. **6359**
CONSULTANT No. **5-P1569.CN**

DATE	DRAWING No.	REVISION
22.08.23	G02	A

FOR COMMENT ONLY



NOT FOR
CONSTRUCTION

PALMY.

TRANSPORT CHOICES
SUMMERHILL DRIVE
CYCLE LANES

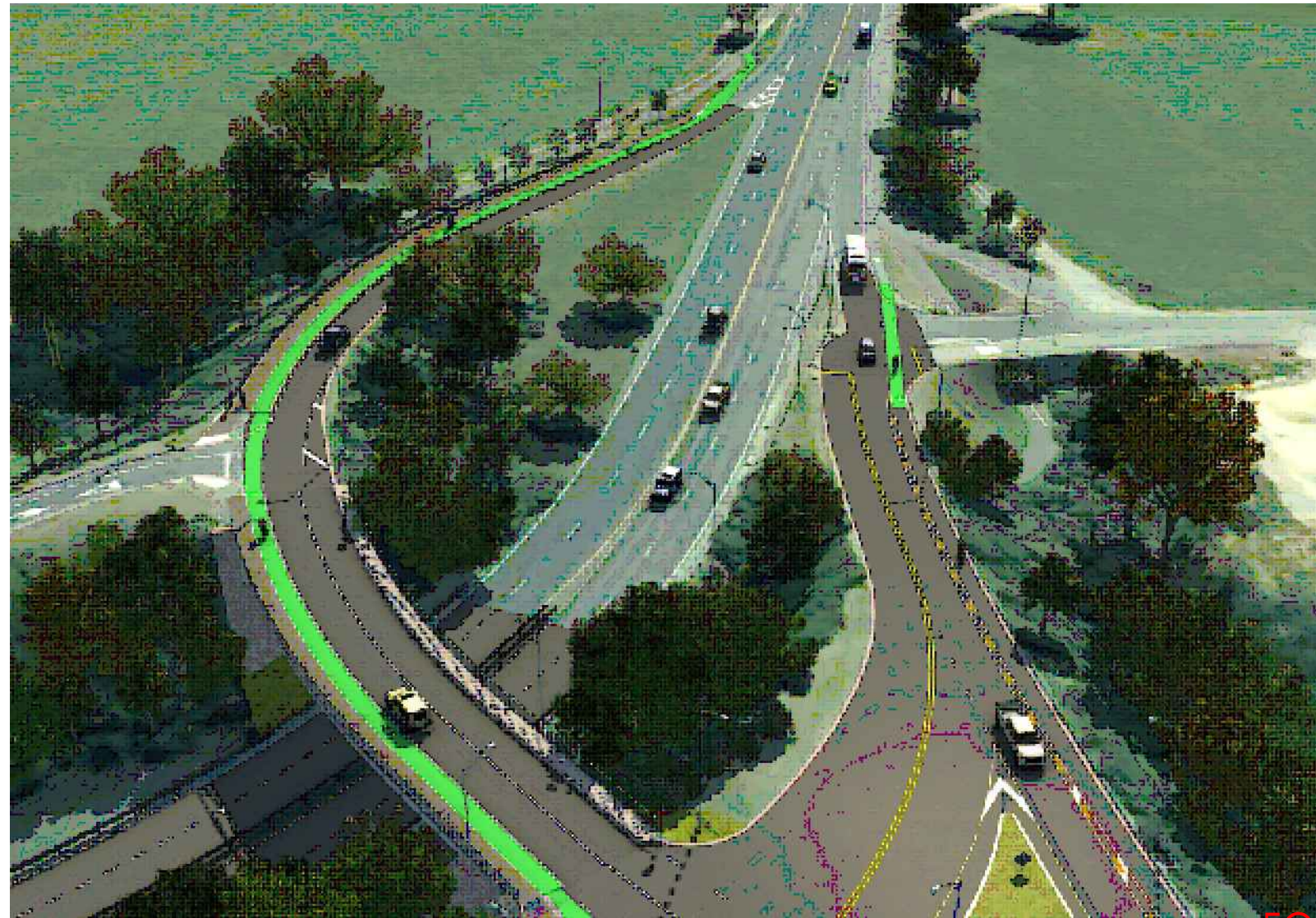
CONSULTATION PLAN

SCALES A1 1:250 A3 1:500

PNCC No. 6359

DATE	DRAWING No.	REVISION
22.08.23	G10	A

FOR DISCUSSION ONLY



NOT FOR
CONSTRUCTION

PALMY.

TRANSPORT CHOICES
SUMMERHILL DRIVE
CYCLE LANES

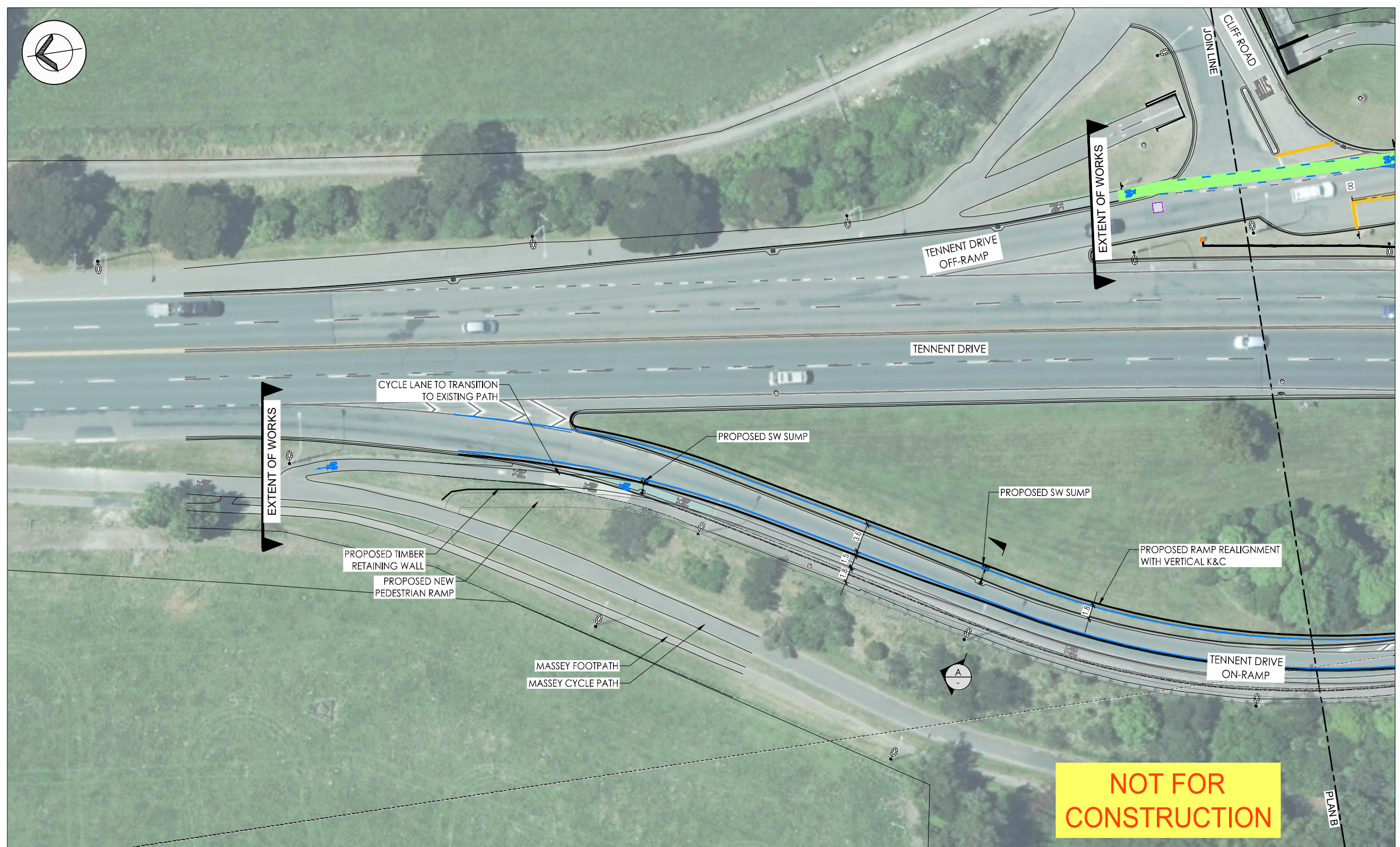
CONSULTATION PLAN

SCALES A1 1:250 A3 1:500

PNCC No. 6359

DATE	DRAWING No.	REVISION
22.08.23	G11	A

FOR DISCUSSION ONLY



- NOTES:
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A	50% DESIGN	AG	22.08.23



PROGRAMME	PROJECT
JOB TITLE	
TRANSPORT CHOICES SUMMERHILL DRIVE CYCLEWAY	

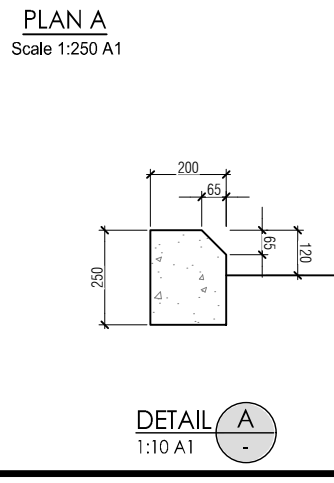
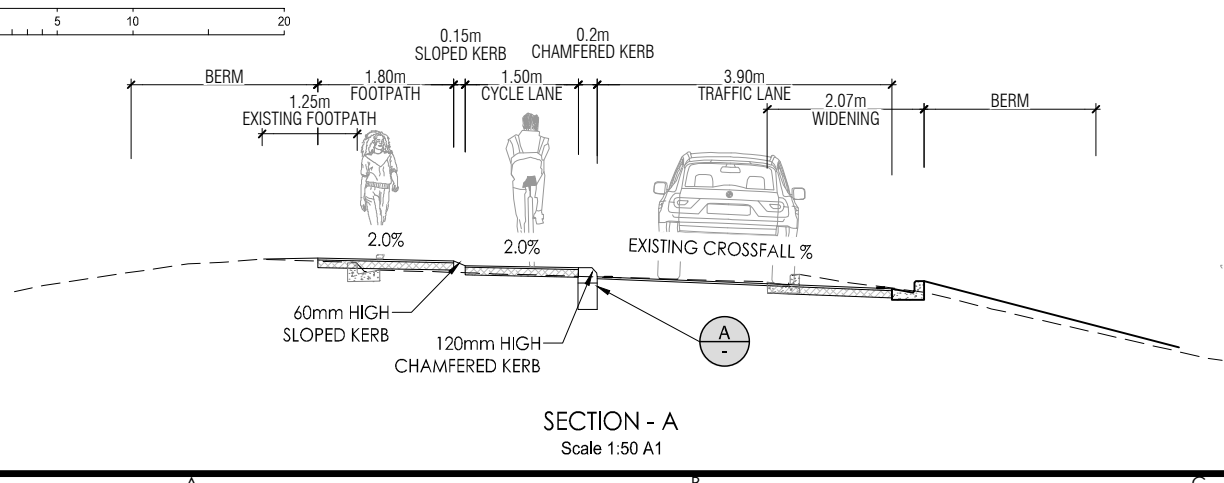
DRAWING TITLE
ROAD LAYOUT

	NAME	SIGNED	DATE
DESIGNED	AG		21.08.23
DES. REVIEW	WV		21.08.23
DRAWN	AG		21.08.23
DRW. CHECK	WV		21.08.23

APPROVED FOR TENDER	
DATE	SIGNED
FOR CONSTRUCTION	
DATE	SIGNED

HAMISH FEATONBY - GROUP MAN. - TRANSPORT & DEV
STUART CARTWRIGHT - CHIEF ENGINEER - APPROVED

SCALES	A1 1:250	A3 1:500
PNCC No.	6359	
CONSULTANT No.	5-P1569.CN	
DATE	DRAWING No.	REVISION
22.08.23	C01	A



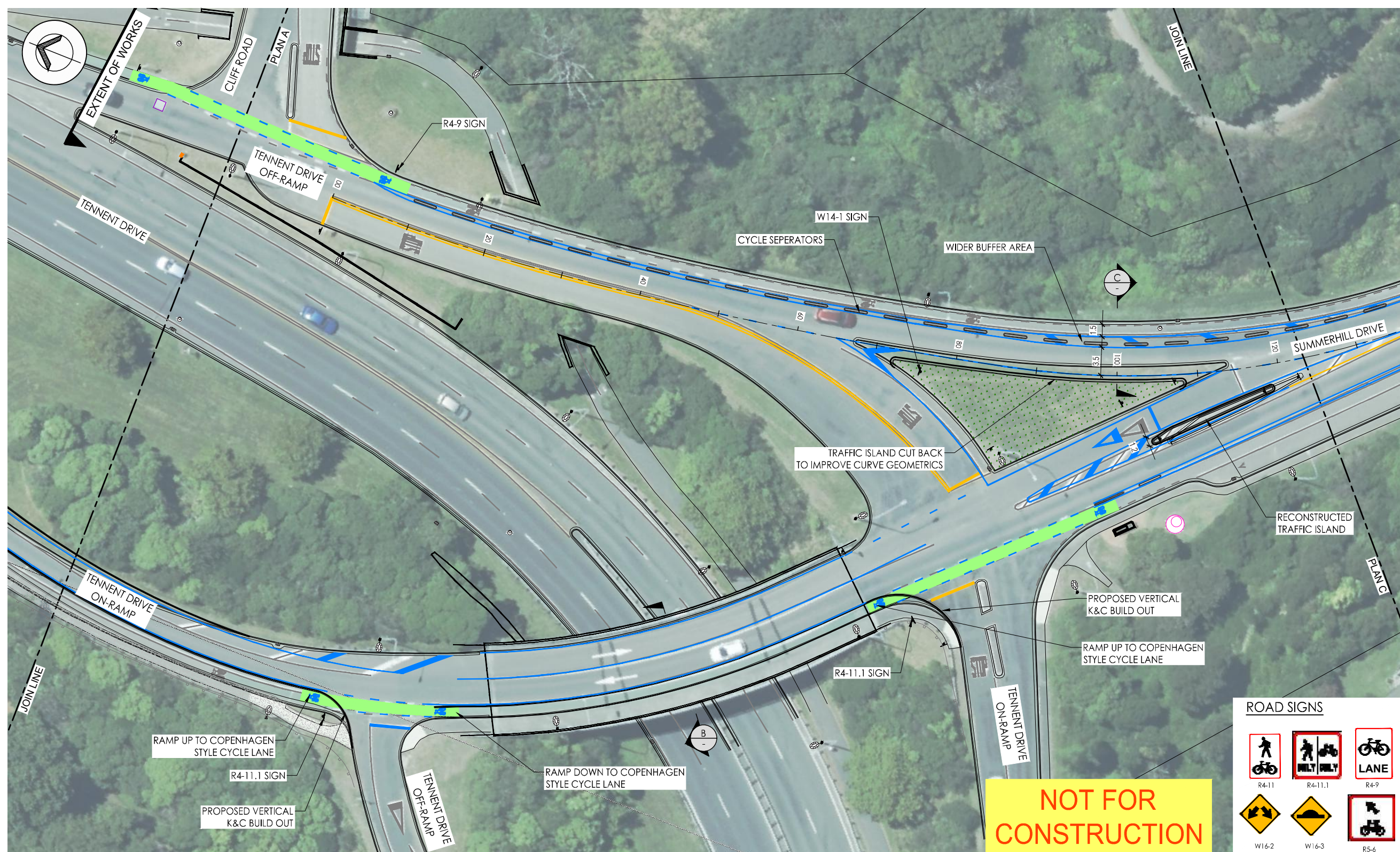
ROAD SIGNS

- R4-11: Pedestrian and bicycle crossing
- R4-11.1: Pedestrian and bicycle crossing with 'ONLY' text
- R4-9: Lane marking sign
- W16-2: Left turn lane arrow
- W16-3: Right turn lane arrow
- R5-6: Give way triangle

LEGEND

- SAFETY PLATFORM RAMP: [Symbol]
- EXISTING LINE MARKINGS: [Symbol]
- WHITE LINE MARKINGS: [Symbol]
- YELLOW LINE MARKINGS: [Symbol]
- CYCLE LANE (Apple Green): [Symbol]
- LEFT TURN LANE ARROW: [Symbol]
- RIGHT TURN LANE ARROW: [Symbol]
- GIVE WAY TRIANGLE: [Symbol]
- ADVANCED WARNING: [Symbol]
- CYCLE SEPARATORS: [Symbol]
- PROPOSED SIGN: [Symbol]
- RELOCATED STREETLIGHT: [Symbol]

FOR COMMENT ONLY



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REV	AMENDMENTS	INITIAL	DATE
A	50% DESIGN	AG	22.08.23



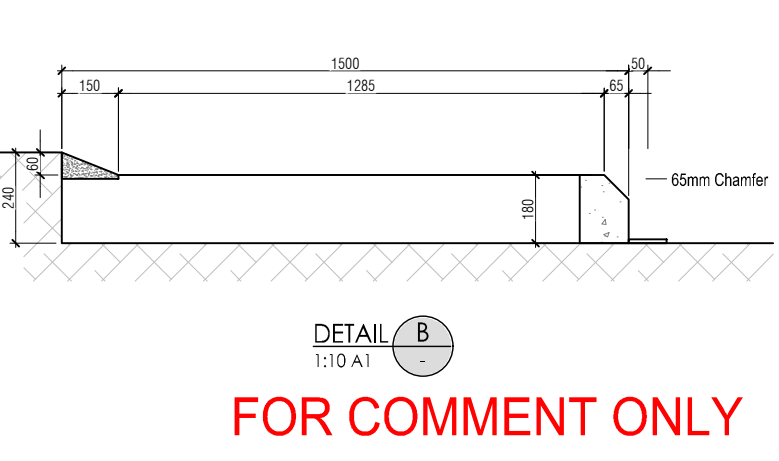
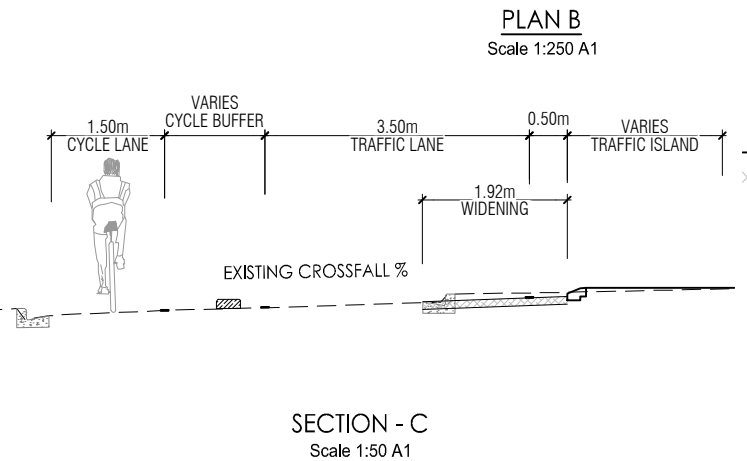
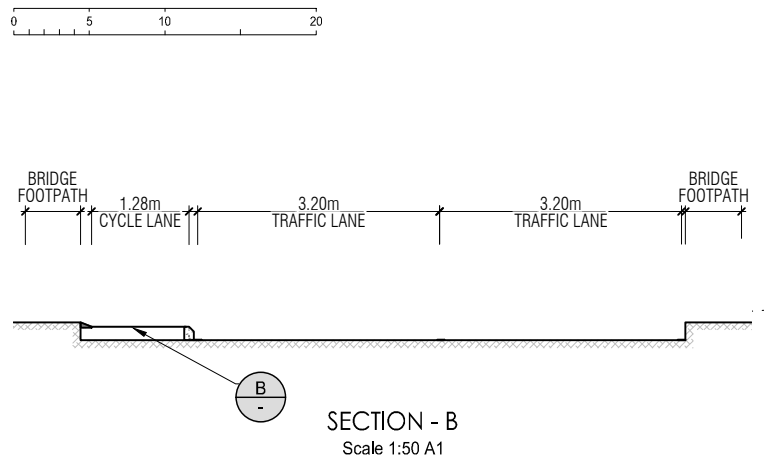
PROGRAMME PROJECT
 JOB TITLE
**TRANSPORT CHOICES
 SUMMERHILL DRIVE
 CYCLEWAY**

DRAWING TITLE
ROAD LAYOUT

ROAD SIGNS

**NOT FOR
 CONSTRUCTION**

PLAN B
 Scale 1:250 A1



LEGEND

SAFETY PLATFORM RAMP	
EXISTING LINE MARKINGS	
WHITE LINE MARKINGS	
YELLOW LINE MARKINGS	
CYCLE LANE (Apple Green)	
LEFT TURN LANE ARROW	
RIGHT TURN LANE ARROW	
GIVE WAY TRIANGLE	
ADVANCED WARNING	
CYCLE SEPERATORS	
PROPOSED SIGN	
RELOCATED STREETLIGHT	

FOR COMMENT ONLY

DESIGNED	NAME	SIGNED	DATE
	AG		21.08.23
DES. REVIEW	WV		21.08.23
DRAWN	AG		21.08.23
DRW. CHECK	WV		21.08.23

APPROVED FOR TENDER

DATE	SIGNED

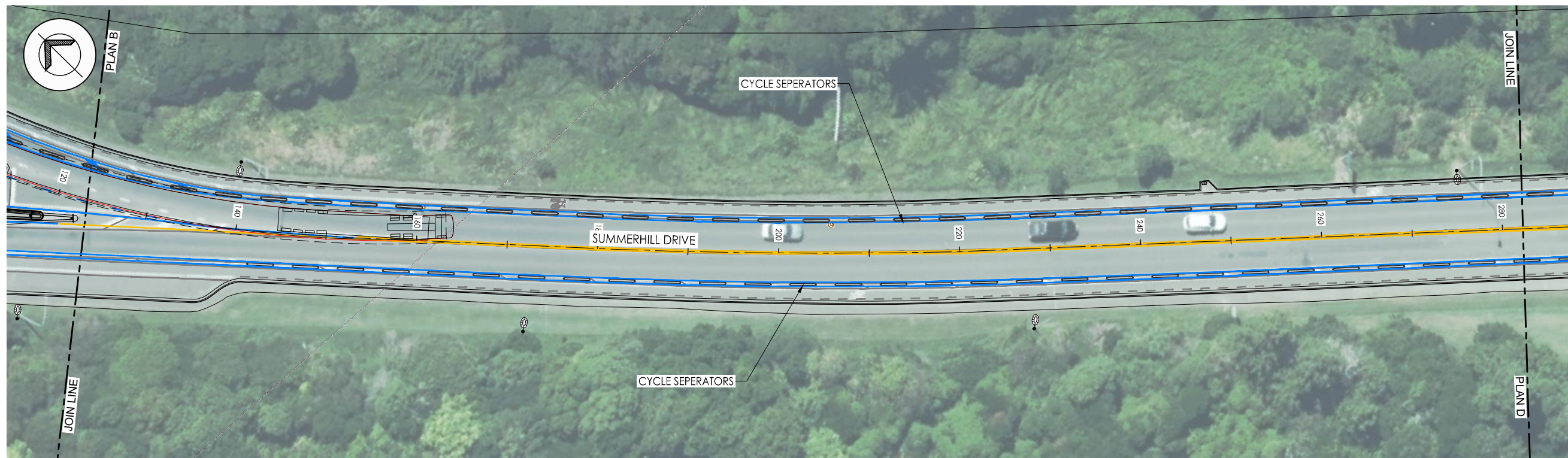
FOR CONSTRUCTION

DATE	SIGNED

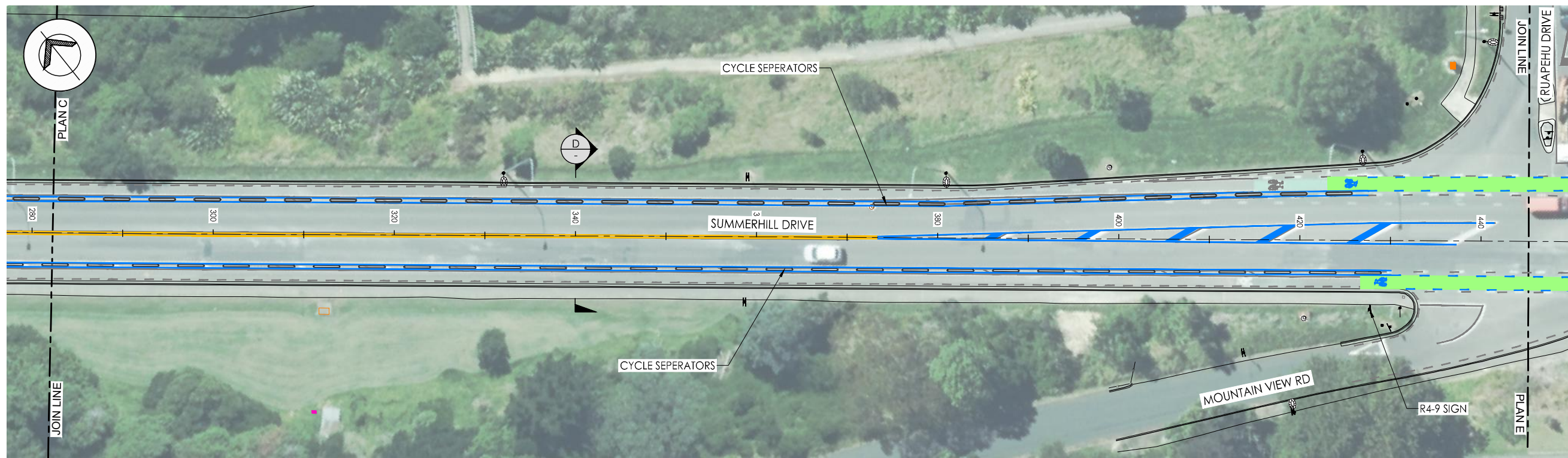
HAMISH FEATONBY - GROUP MAN. - TRANSPORT & DEV

STUART CARTWRIGHT - CHIEF ENGINEER - APPROVED

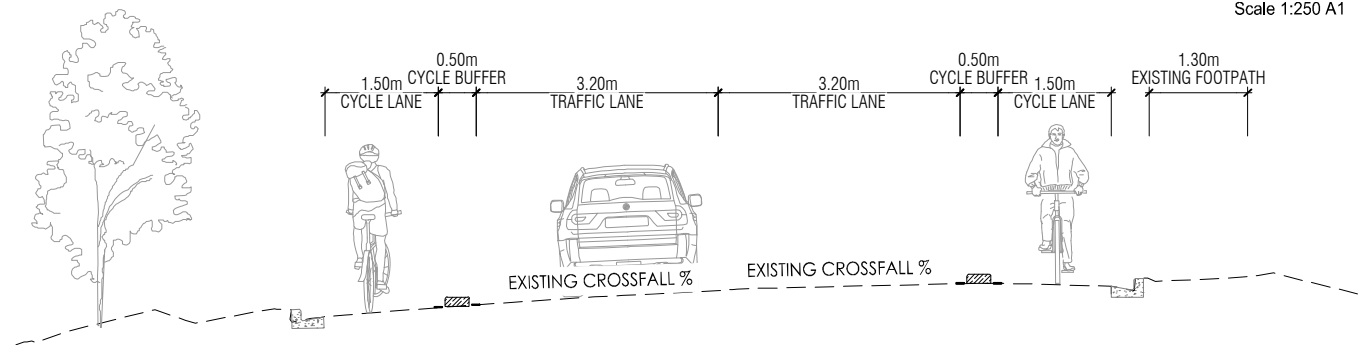
SCALES	A1 1:250	A3 1:500
PNCC No.	6359	
CONSULTANT No.	5-P1569.CN	
DATE	DRAWING No.	REVISION
22.08.23	C02	A



PLAN C
Scale 1:250 A1



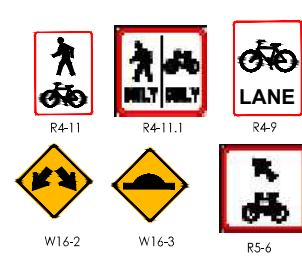
PLAN D
Scale 1:250 A1



SECTION - D
Scale 1:50 A1

NOT FOR CONSTRUCTION

ROAD SIGNS



LEGEND

SAFETY PLATFORM RAMP	
EXISTING LINE MARKINGS	
WHITE LINE MARKINGS	
YELLOW LINE MARKINGS	
CYCLE LANE (Apple Green)	
LEFT TURN LANE ARROW	
RIGHT TURN LANE ARROW	
GIVE WAY TRIANGLE	
ADVANCED WARNING	
CYCLE SEPARATORS	
PROPOSED SIGN	
RELOCATED STREETLIGHT	

FOR COMMENT ONLY

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REV	AMENDMENTS	INITIAL	DATE
A	50% DESIGN	AG	22.08.23



PROGRAMME PROJECT
JOB TITLE
**TRANSPORT CHOICES
SUMMERHILL DRIVE
CYCLEWAY**

DRAWING TITLE
ROAD LAYOUT

	NAME	SIGNED	DATE
DESIGNED	AG		21.08.23
DES. REVIEW	WV		21.08.23
DRAWN	AG		21.08.23
DRW. CHECK	WV		21.08.23

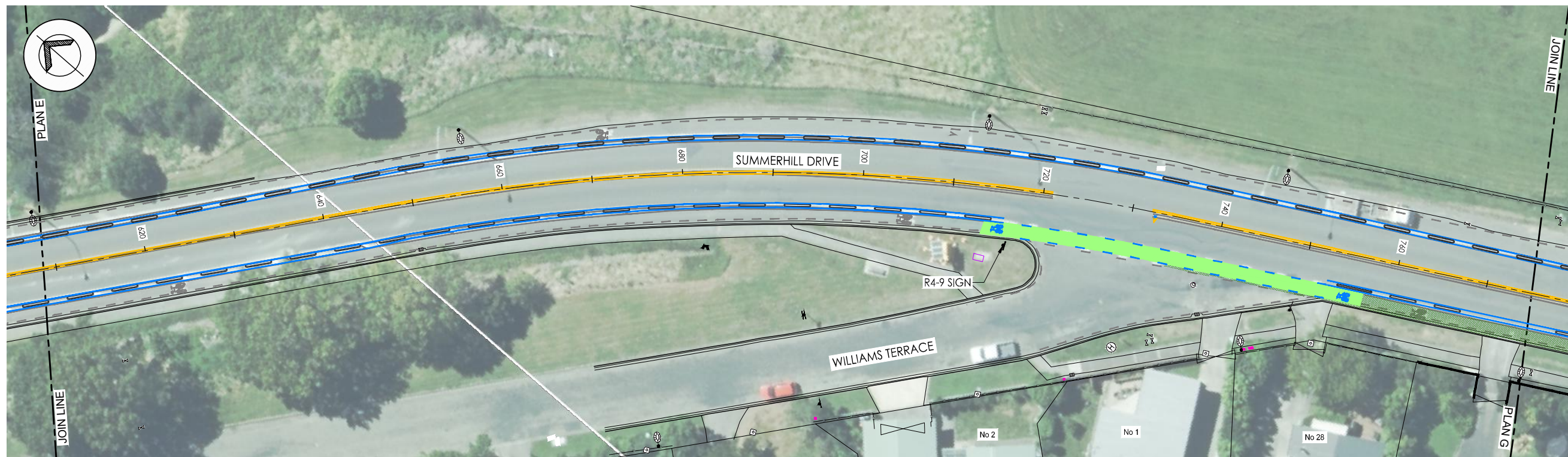
APPROVED FOR TENDER
DATE SIGNED
FOR CONSTRUCTION
DATE SIGNED

HAMISH FEATONBY - GROUP MAN. - TRANSPORT & DEV
STUART CARTWRIGHT - CHIEF ENGINEER - APPROVED

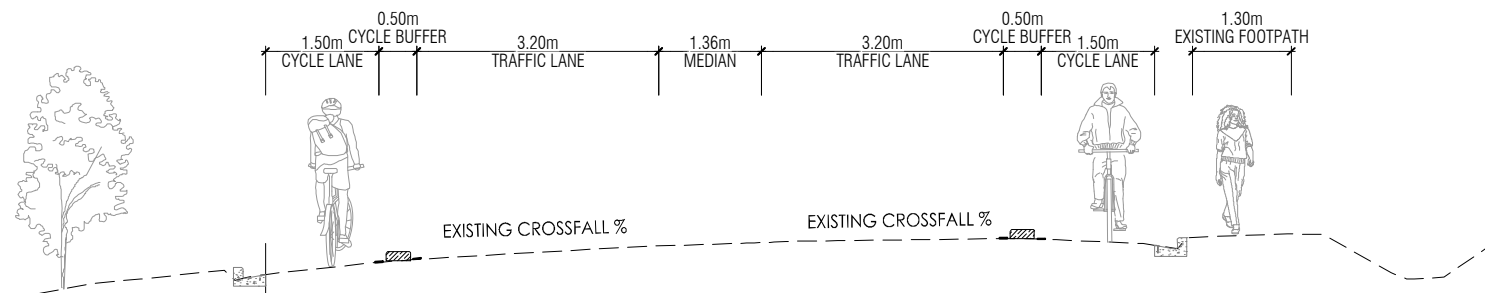
SCALES	A1 1:250	A3 1:500
PNCC No.	6359	
CONSULTANT No.	5-P1569.CN	
DATE	DRAWING No.	REVISION
22.08.23	C03	A



PLAN E
Scale 1:250 A1



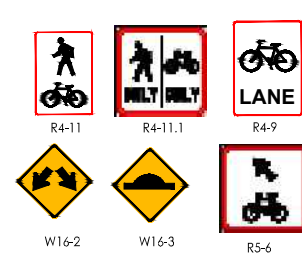
PLAN F
Scale 1:250 A1



SECTION - E
Scale 1:50 A1

NOT FOR CONSTRUCTION

ROAD SIGNS



LEGEND

SAFETY PLATFORM RAMP	
EXISTING LINE MARKINGS	
WHITE LINE MARKINGS	
YELLOW LINE MARKINGS	
CYCLE LANE (Apple Green)	
LEFT TURN LANE ARROW	
RIGHT TURN LANE ARROW	
GIVE WAY TRIANGLE	
ADVANCED WARNING	
CYCLE SEPERATORS	
PROPOSED SIGN	
RELOCATED STREETLIGHT	

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REV	AMENDMENTS	INITIAL	DATE
A	50% DESIGN	AG	22.08.23



PROGRAMME PROJECT
 TRANSPORT CHOICES
 SUMMERHILL DRIVE
 CYCLEWAY

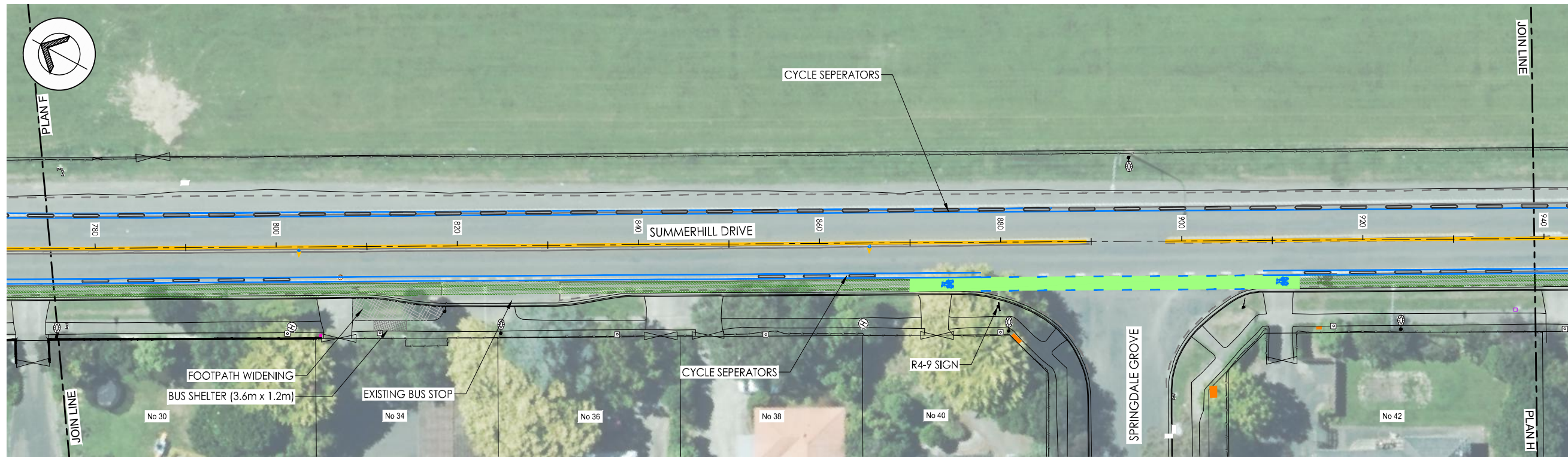
DRAWING TITLE
 ROAD LAYOUT

DESIGNED	NAME	SIGNED	DATE
DES. REVIEW	AG		21.08.23
DRAWN	WV		21.08.23
DRW. CHECK	AG		21.08.23
	WV		21.08.23

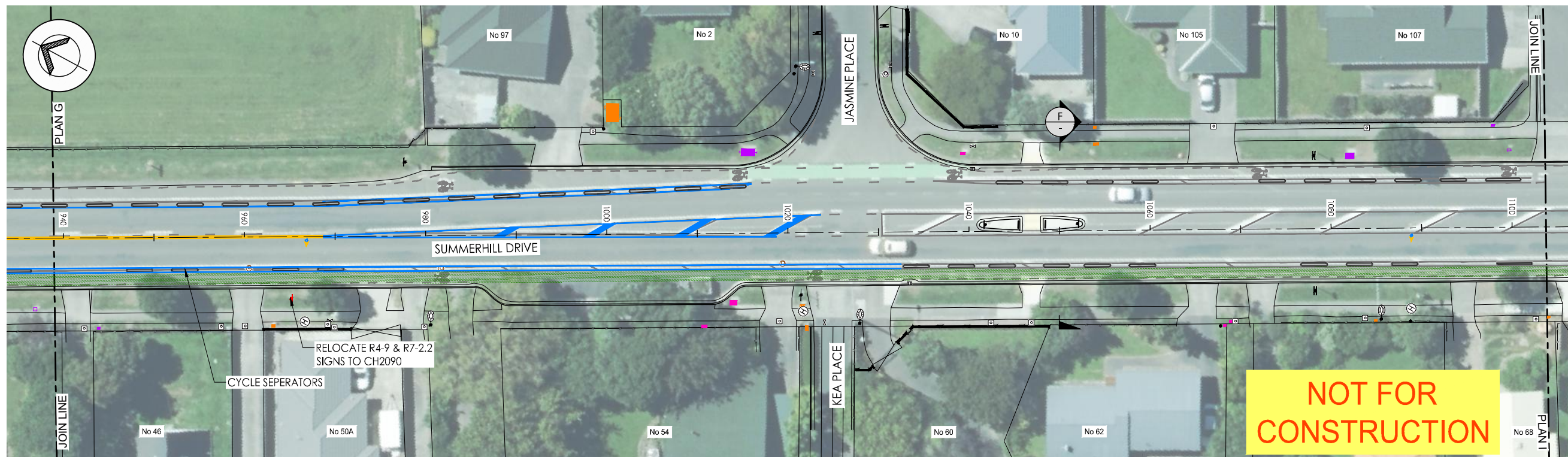
APPROVED FOR TENDER	
DATE	SIGNED
FOR CONSTRUCTION	
DATE	SIGNED

HAMISH FEATONBY - GROUP MAN. - TRANSPORT & DEV
 STUART CARTWRIGHT - CHIEF ENGINEER - APPROVED

SCALES	A1 1:250	A3 1:500
PNCC No.	6359	
CONSULTANT No.	5-P1569.CN	
DATE	DRAWING No.	REVISION
22.08.23	C04	A

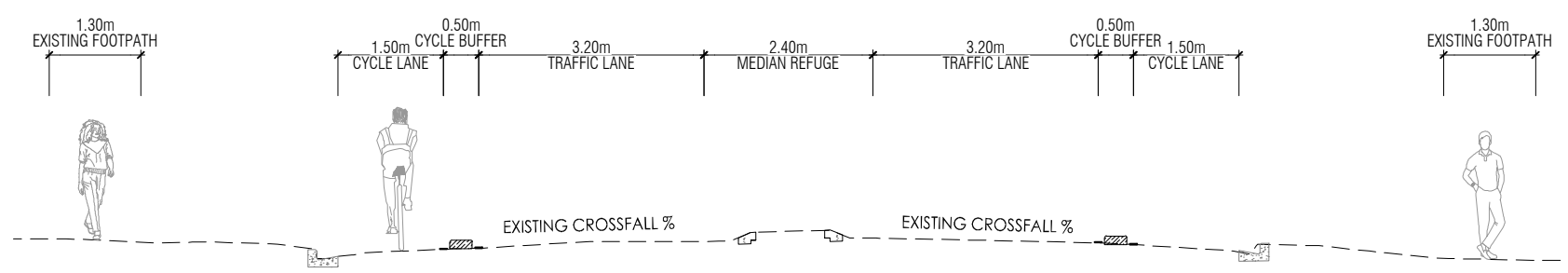


PLAN G
Scale 1:250 A1



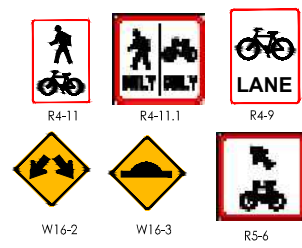
PLAN H
Scale 1:250 A1

NOT FOR CONSTRUCTION



SECTION - F
Scale 1:50 A1

ROAD SIGNS



LEGEND

SAFETY PLATFORM RAMP	
EXISTING LINE MARKINGS	
WHITE LINE MARKINGS	
YELLOW LINE MARKINGS	
CYCLE LANE (Apple Green)	
LEFT TURN LANE ARROW	
RIGHT TURN LANE ARROW	
GIVE WAY TRIANGLE	
ADVANCED WARNING	
CYCLE SEPERATORS	
PROPOSED SIGN	
RELOCATED STREETLIGHT	

FOR COMMENT ONLY

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REV	AMENDMENTS	INITIAL	DATE
A	50% DESIGN	AG	22.08.23



PROGRAMME	PROJECT
JOB TITLE	TRANSPORT CHOICES SUMMERHILL DRIVE CYCLEWAY

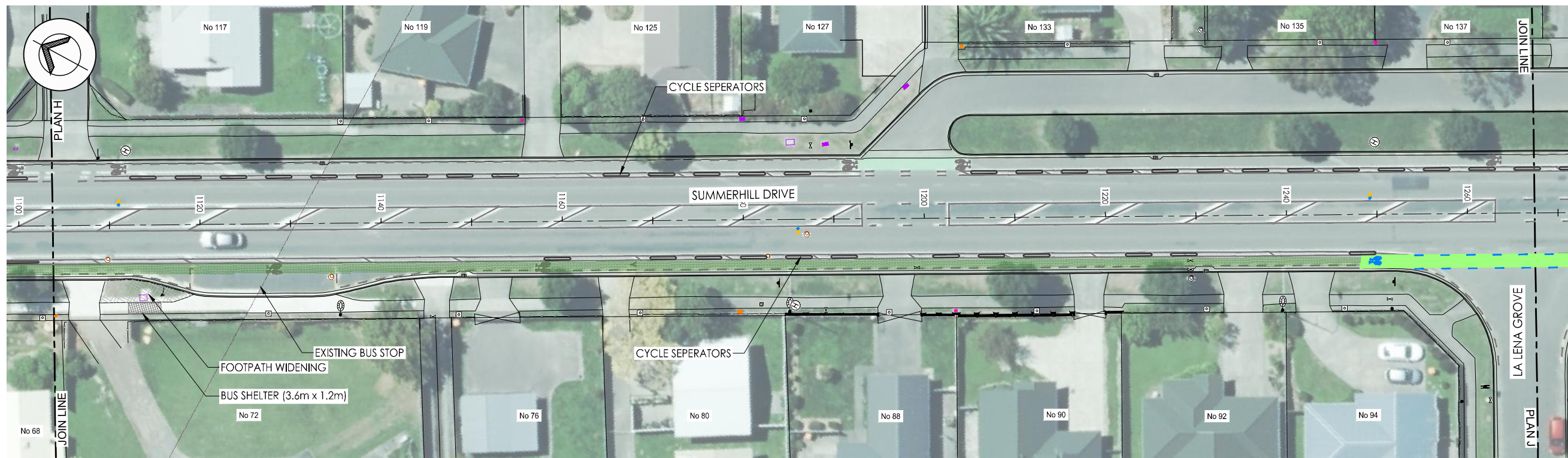
DRAWING TITLE	ROAD LAYOUT
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DESIGNED	NAME	SIGNED	DATE
DES. REVIEW	AG		21.08.23
DRAWN	WV		21.08.23
DRW. CHECK	AG		21.08.23
	WV		21.08.23

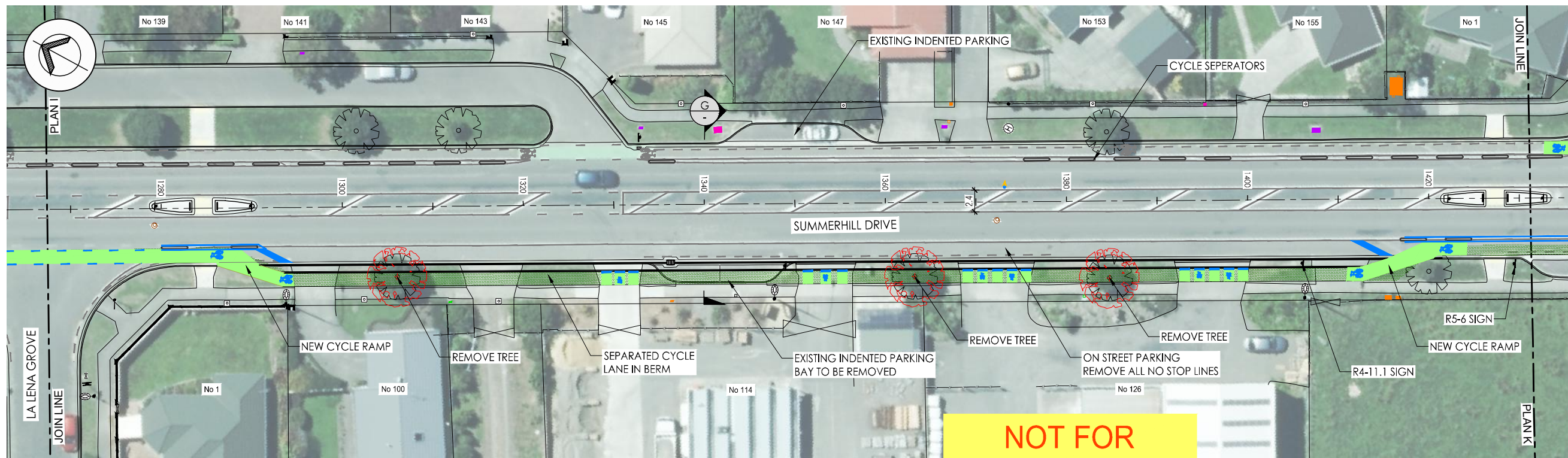
APPROVED FOR TENDER	
DATE	SIGNED
FOR CONSTRUCTION	
DATE	SIGNED

HAMISH FEATONBY - GROUP MAN. - TRANSPORT & DEV
STUART CARTWRIGHT - CHIEF ENGINEER - APPROVED

SCALES	A1 1:250	A3 1:500
PNCC No.	6359	
CONSULTANT No.	5-P1569.CN	
DATE	DRAWING No.	REVISION
22.08.23	C05	A

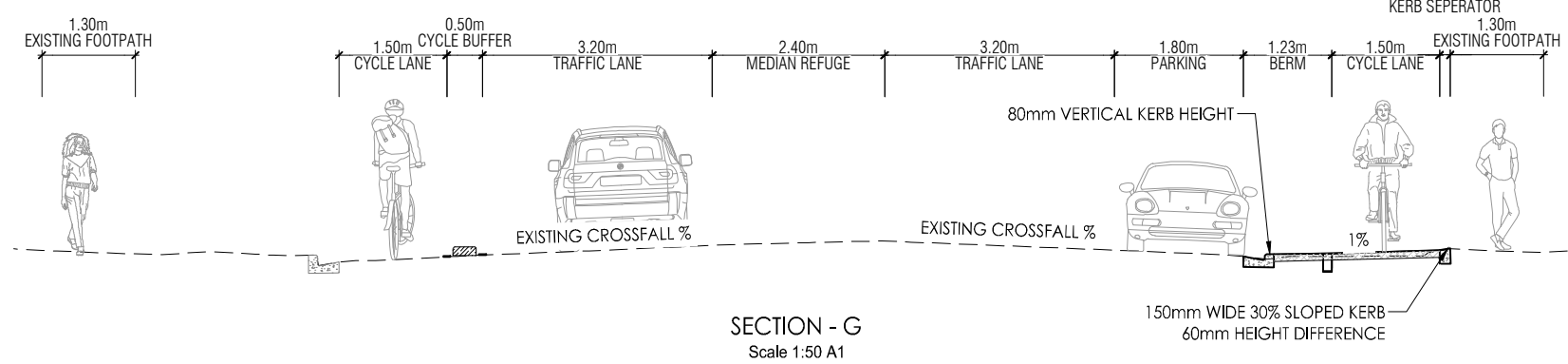


PLAN I
Scale 1:250 A1



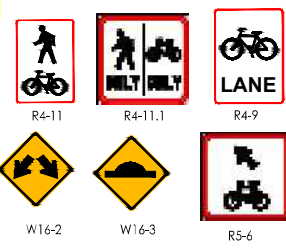
PLAN J
Scale 1:250 A1

NOT FOR CONSTRUCTION

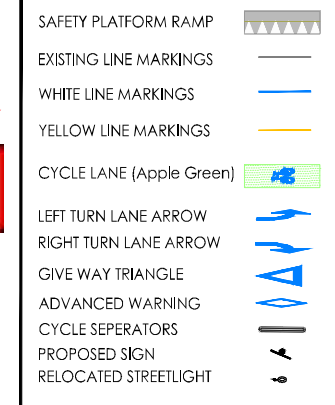


SECTION - G
Scale 1:50 A1

ROAD SIGNS



LEGEND



FOR COMMENT ONLY

- NOTES:
1. Construction to comply with PNCC Engineering Standards for Land Development, March 2023.
 2. The Contractor is to give 48 hrs notice to all service authorities & to confirm with the relevant authority the location of their service positions prior to the commencement of any excavations.
 3. It is the Contractors responsibility to confirm all dimensions on site.
 4. Residents to be given 48 hrs notice prior to vehicle access being restricted.
 5. All road marking and signage to be in accordance with TCDM standards and supplemented by MOTSAM Part 1 and 2 where necessary.
 6. Warning and directional tactiles to be set out and installed in accordance with RTS14 guidelines.
 7. New and existing storm water sump grates to be cycle friendly.
 8. A streetlighting review and design is to be undertaken to ensure the position and luminance requirements are met.
 9. All pedestrian refuge island to have hold rails installed.
 10. This is a over dimension route and positioning of all street furniture must conform to the NZHHA clearance requirements.
 11. Cycle separators are 3m long with 2m gap.

REV	AMENDMENTS	INITIAL	DATE
A	50% DESIGN	AG	22.08.23



PROGRAMME	PROJECT
TRANSPORT CHOICES	SUMMERHILL DRIVE CYCLEWAY

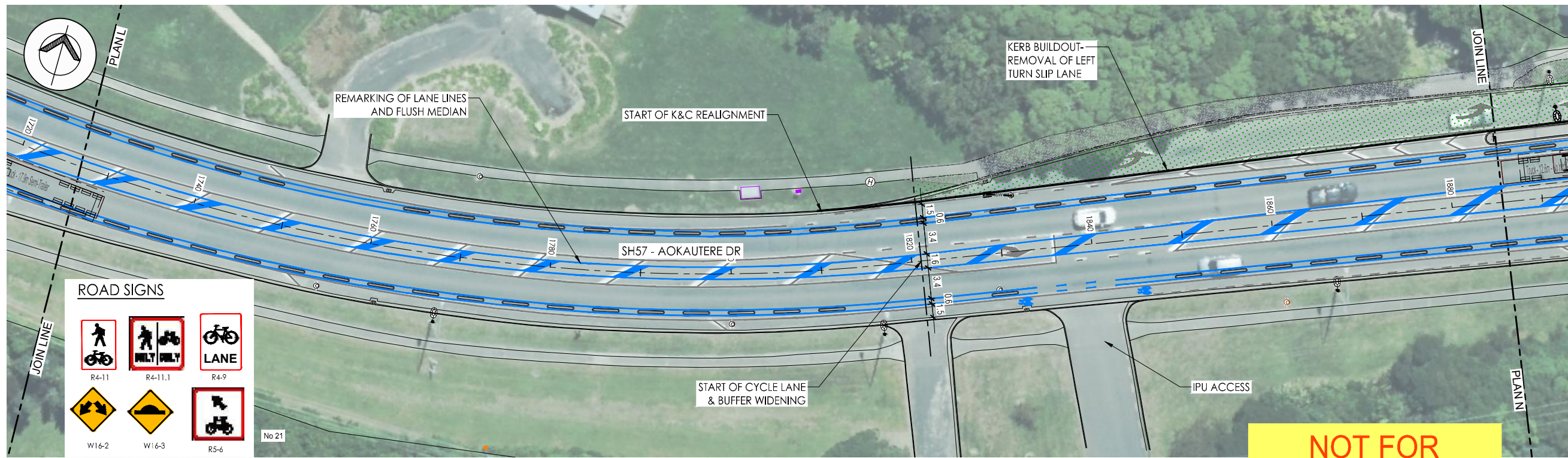
DRAWING TITLE
ROAD LAYOUT

	NAME	SIGNED	DATE
DESIGNED	AG		21.08.23
DES. REVIEW	WV		21.08.23
DRAWN	AG		21.08.23
DRW. CHECK	WV		21.08.23

APPROVED FOR TENDER	
DATE	SIGNED

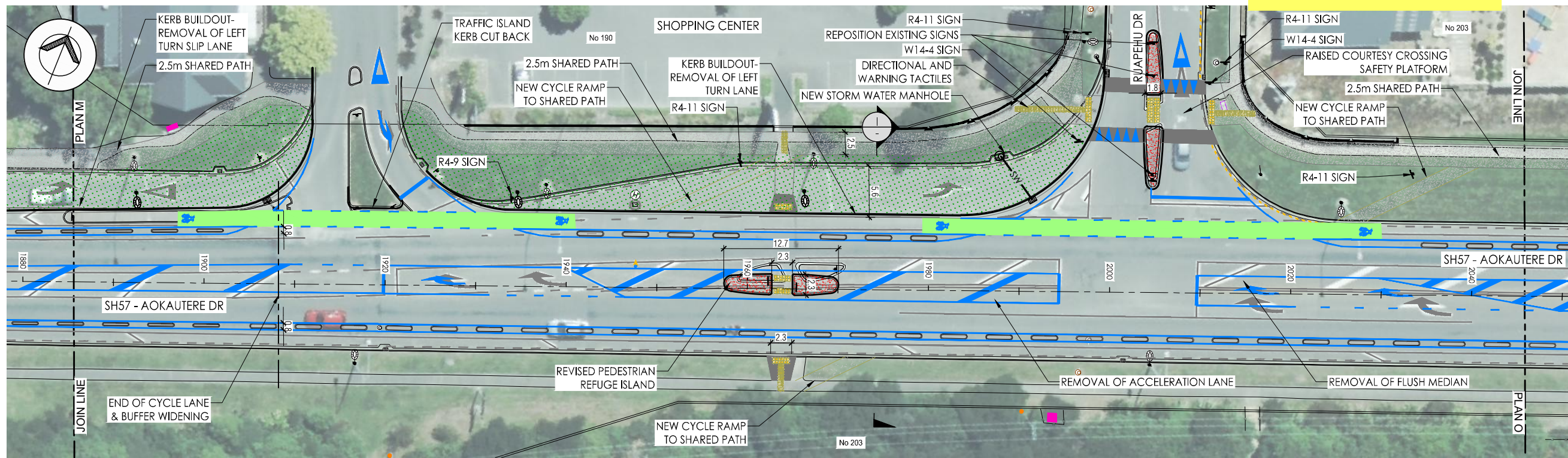
FOR CONSTRUCTION	
DATE	SIGNED

HAMISH FEATONBY - GROUP MAN. - TRANSPORT & DEV		
STUART CARTWRIGHT - CHIEF ENGINEER - APPROVED		
SCALES	A1 1:250	A3 1:500
PNCC No.	6359	
CONSULTANT No.	5-P1569.CN	
DATE	DRAWING No.	REVISION
22.08.23	C06	A



PLAN M
Scale 1:250 A1

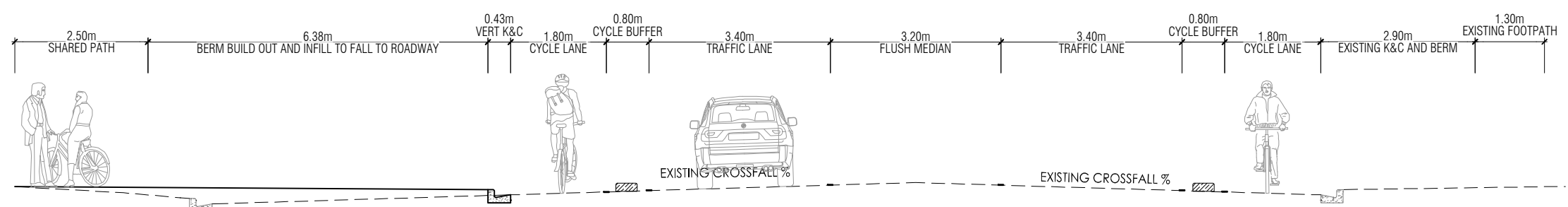
NOT FOR CONSTRUCTION



PLAN N
Scale 1:250 A1

LEGEND

- SAFETY PLATFORM RAMP
- EXISTING LINE MARKINGS
- WHITE LINE MARKINGS
- YELLOW LINE MARKINGS
- CYCLE LANE (Apple Green)
- LEFT TURN LANE ARROW
- RIGHT TURN LANE ARROW
- GIVE WAY TRIANGLE
- ADVANCED WARNING
- CYCLE SEPARATORS
- PROPOSED SIGN
- RELOCATED STREETLIGHT



SECTION - I
Scale 1:50 A1

FOR COMMENT ONLY

- NOTES:
- Construction to comply with PNCC Engineering Standards for Land Development, March 2023.
 - The Contractor is to give 48 hrs notice to all service authorities & to confirm with the relevant authority the location of their service positions prior to the commencement of any excavations.
 - If it is the Contractors responsibility to be in accordance with TCDM standards and supplemented by MOTSAM Part 1 and 2 where necessary.
 - Warning and directional tactiles to be set out and installed in accordance with RTS14 guidelines.
 - New and existing storm water sump grates to be cycle friendly.
 - A streetlighting review and design is to be undertaken to ensure the position and luminance requirements are met.
 - All pedestrian refuge island to have hold rails installed.
 - This is a over dimension route and positioning of all street furniture must conform to the NZHHA clearance requirements.
 - Cycle separators are 3m long with 2m gap.

REV	AMENDMENTS	INITIAL	DATE
A	50% DESIGN	AG	22.08.23



PROGRAMME PROJECT
JOB TITLE
**TRANSPORT CHOICES
SUMMERHILL DRIVE
CYCLEWAY**

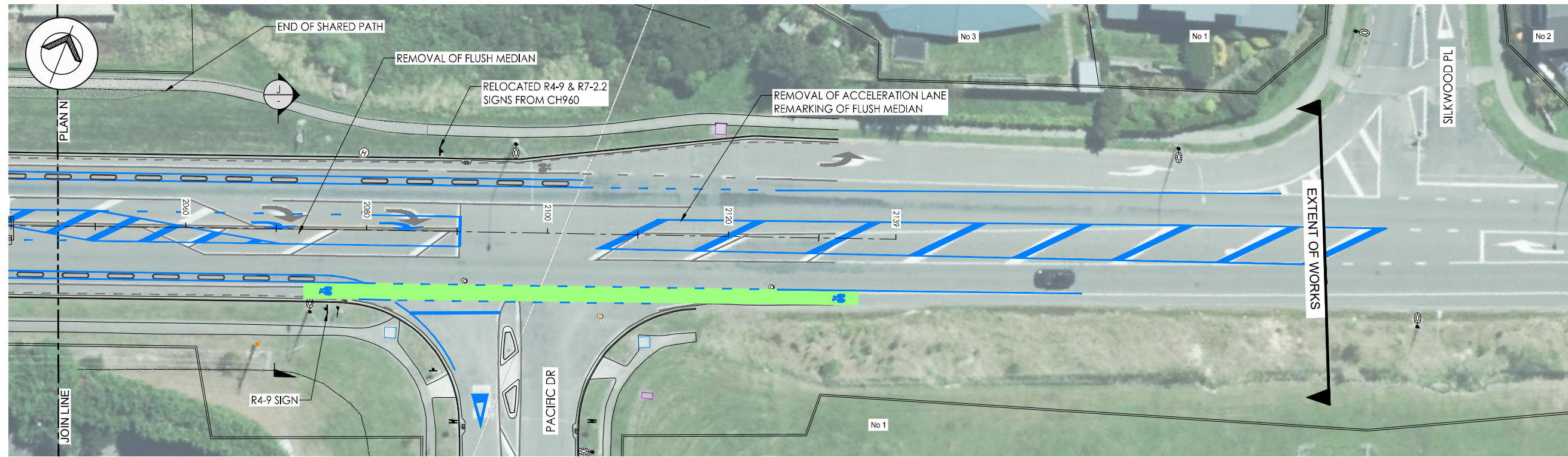
DRAWING TITLE
ROAD LAYOUT

	NAME	SIGNED	DATE
DESIGNED	AG		21.08.23
DES. REVIEW	WV		21.08.23
DRAWN	AG		21.08.23
DRW. CHECK	WV		21.08.23

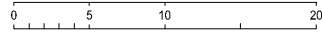
APPROVED FOR TENDER	
DATE	SIGNED
FOR CONSTRUCTION	
DATE	SIGNED

FAMISH FEATONBY - GROUP MAN. - TRANSPORT & DEV
STUART CARTWRIGHT - CHIEF ENGINEER - APPROVED

SCALES	A1 1:250	A3 1:500
PNCC No.	6359	
CONSULTANT No.	5-P1569.CN	
DATE	DRAWING No.	REVISION
22.08.23	C08	A



PLAN O
Scale 1:250 A1



- NOTES:
- Construction to comply with PNCC Engineering Standards for Land Development, March 2023.
 - The Contractor is to give 48 hrs notice to all service authorities & to confirm with the relevant authority the location of their service positions prior to the commencement of any excavations.
 - It is the Contractors responsibility to confirm all dimensions on site.
 - Residents to be given 48 hrs notice prior to vehicle access being restricted.
 - All road marking and signage to be in accordance with TCDM standards and supplemented by MOTSAM Part 1 and 2 where necessary.
 - Warning and directional tactiles to be set out and installed in accordance with RTS14 guidelines.
 - New and existing storm water sump grates to be cycle friendly.
 - A streetlighting review and design is to be undertaken to ensure the position and luminance requirements are met.
 - All pedestrian refuge island to have hold rails installed.
 - This is a over dimension route and positioning of all street furniture must conform to the NZHHA clearance requirements.
 - Cycle separators are 3m long with 2m gap.

REV	AMENDMENTS	INITIAL	DATE
A	50% DESIGN	AG	22.08.23



PROGRAMME PROJECT
JOB TITLE
**TRANSPORT CHOICES
SUMMERHILL DRIVE
CYCLEWAY**

DRAWING TITLE
ROAD LAYOUT

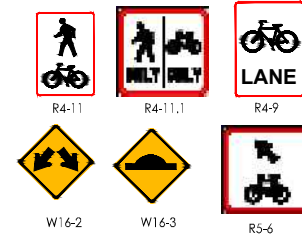
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DESIGNED	AG		21.08.23
DES. REVIEW	WV		21.08.23
DRAWN	AG		21.08.23
DRW. CHECK	WV		21.08.23

APPROVED FOR TENDER	
DATE	SIGNED
FOR CONSTRUCTION	
DATE	SIGNED

HAMISH FEATONBY - GROUP MAN. - TRANSPORT & DEV
STUART CARTWRIGHT - CHIEF ENGINEER - APPROVED

SCALES	A1 1:250	A3 1:500
PNCC No.	6359	
CONSULTANT No.	5-P1569.CN	
DATE	DRAWING No.	REVISION
22.08.23	C09	A

ROAD SIGNS

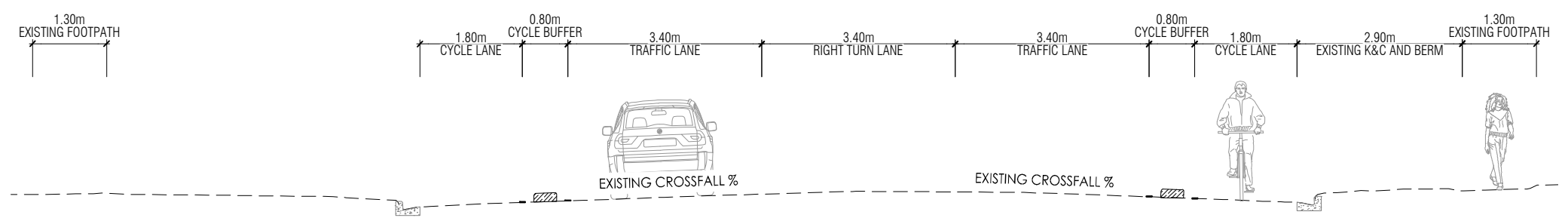


NOT FOR CONSTRUCTION

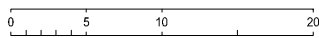
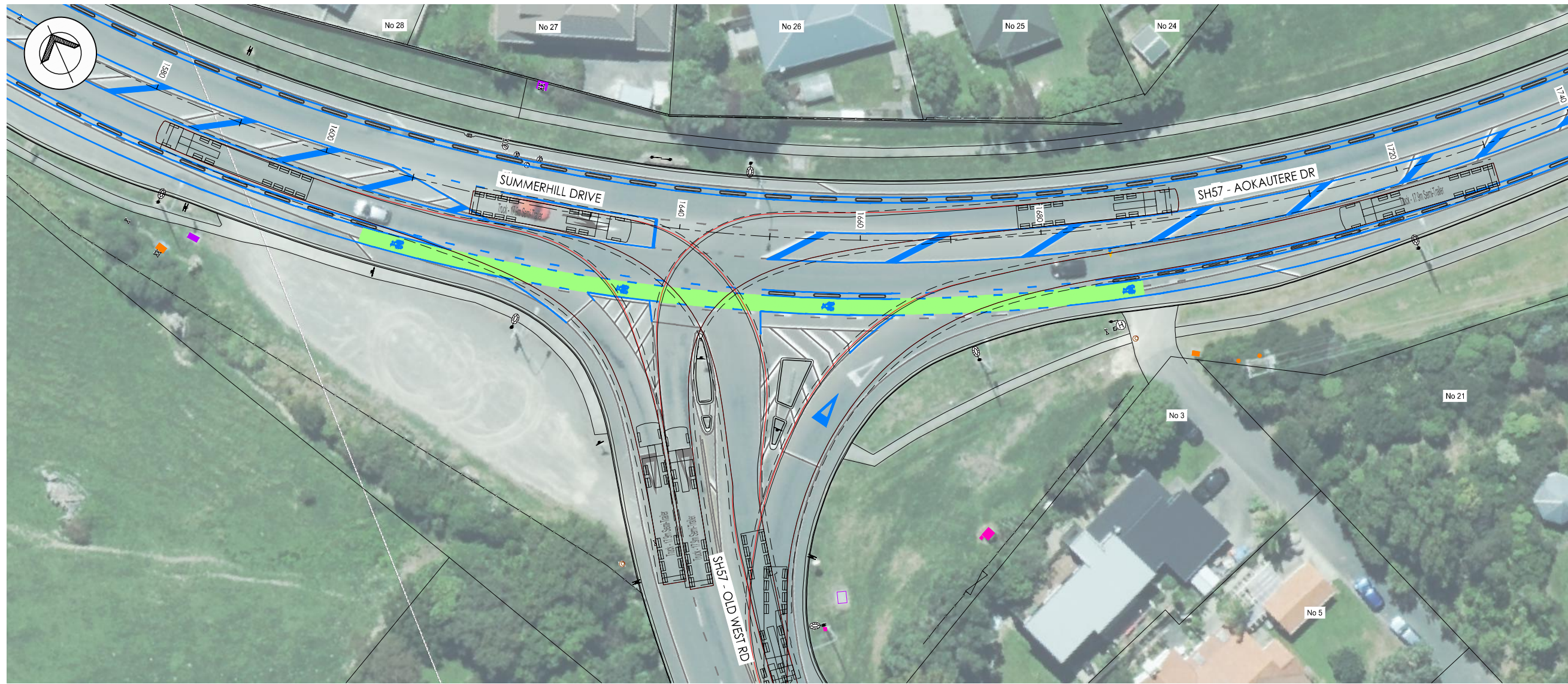
LEGEND

SAFETY PLATFORM RAMP	
EXISTING LINE MARKINGS	
WHITE LINE MARKINGS	
YELLOW LINE MARKINGS	
CYCLE LANE (Apple Green)	
LEFT TURN LANE ARROW	
RIGHT TURN LANE ARROW	
GIVE WAY TRIANGLE	
ADVANCED WARNING	
CYCLE SEPARATORS	
PROPOSED SIGN	
RELOCATED STREETLIGHT	

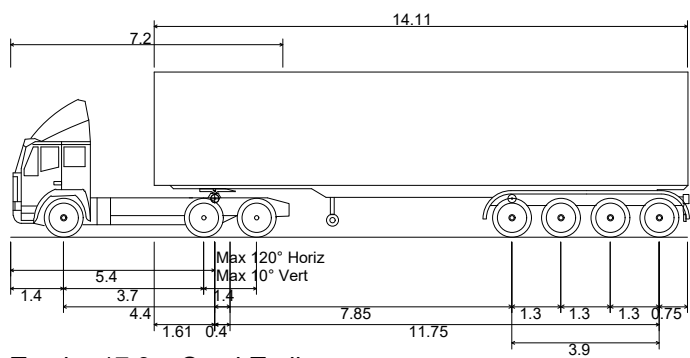
FOR COMMENT ONLY



SECTION - J
Scale 1:50 A1



PLAN
Scale 1:250 A1



Truck - 17.9m Semi-Trailer
 Overall Length 17.900m
 Overall Width 2.550m
 Overall Body Height 4.371m
 Min Body Ground Clearance 0.311m
 Track Width 2.550m
 Lock-to-lock time 6.00s
 Wall to Wall Turning Radius 12.500m

LEGEND	
SAFETY PLATFORM RAMP	
EXISTING LINE MARKINGS	
WHITE LINE MARKINGS	
YELLOW LINE MARKINGS	
CYCLE LANE (Apple Green)	
LEFT TURN LANE ARROW	
RIGHT TURN LANE ARROW	
GIVE WAY TRIANGLE	
ADVANCED WARNING	
CYCLE SEPARATORS	
PROPOSED SIGN	
RELOCATED STREETLIGHT	

**NOT FOR
CONSTRUCTION**

FOR COMMENT ONLY

NOTES:
1. Vehicle tracking curves

REV	AMENDMENTS	INITIAL	DATE
A	50% DESIGN	AG	22.08.23



PROGRAMME PROJECT
 JOB TITLE
 TRANSPORT CHOICES
 SUMMERHILL DRIVE
 CYCLEWAY

DRAWING TITLE
 VEHICLE TRACKING

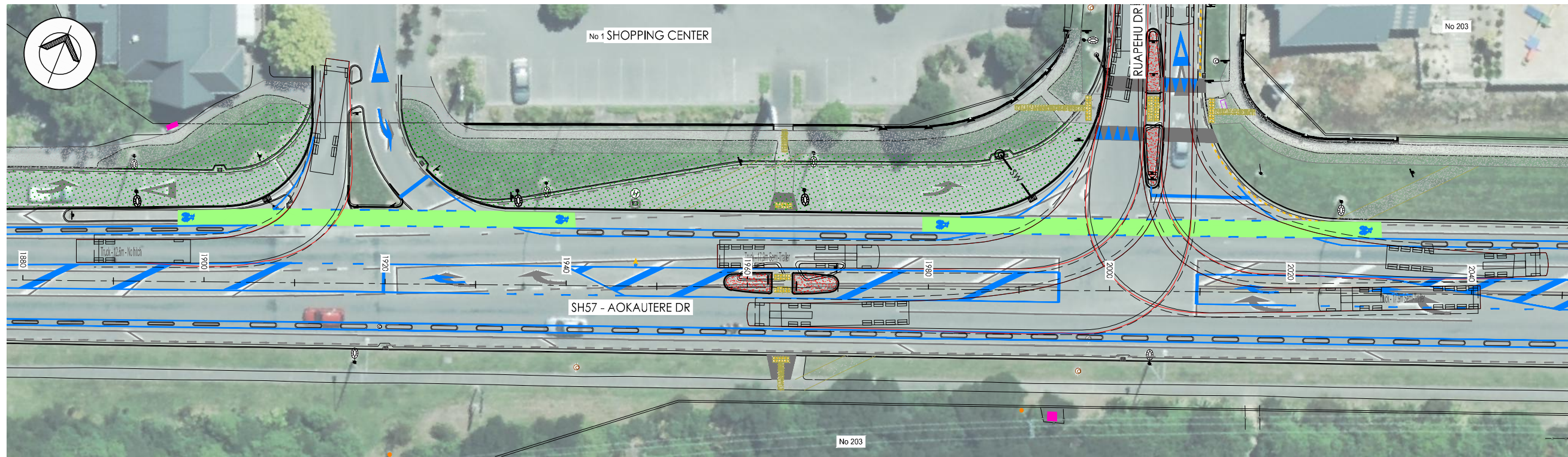
DESIGNED	NAME	SIGNED	DATE
DESIGNED	AG		21.08.23
DES. REVIEW	WV		21.08.23
DRAWN	AG		21.08.23
DRW. CHECK	WV		21.08.23

APPROVED FOR TENDER	
DATE	SIGNED
FOR CONSTRUCTION	
DATE	SIGNED

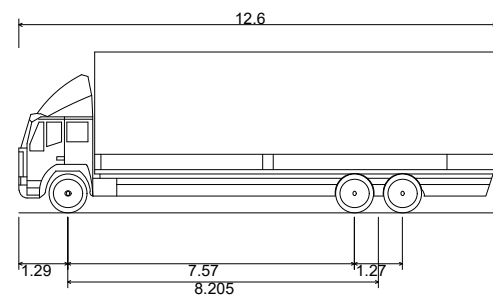
HAMISH FEATONBY - GROUP MAN. - TRANSPORT & DEV

STUART CARTWRIGHT - CHIEF ENGINEER - APPROVED

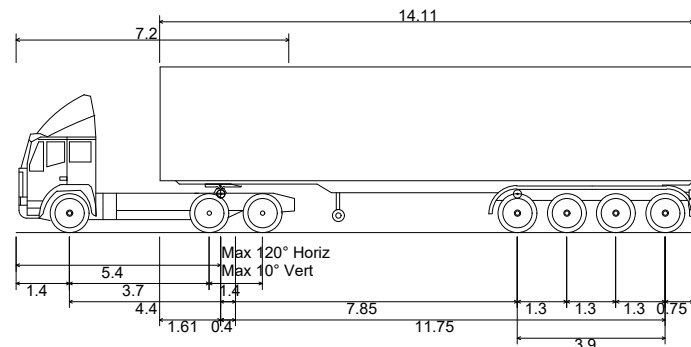
SCALES	A1 1:250	A3 1:500
PNCC No.	6359	
CONSULTANT No.	5-P1569.CN	
DATE	DRAWING No.	REVISION
22.08.23	C15	A



PLAN
Scale 1:250 A1



Truck - 12.6m - No hitch
 Overall Length
 Overall Width
 Overall Body Height
 Min Body Ground Clearance
 Track Width
 Lock-to-lock time
 Max Wheel Angle



Truck - 17.9m Semi-Trailer
 Overall Length
 Overall Width
 Overall Body Height
 Min Body Ground Clearance
 Track Width
 Lock-to-lock time
 Wall to Wall Turning Radius

NOT FOR CONSTRUCTION

FOR COMMENT ONLY

LEGEND	
SAFETY PLATFORM RAMP	
EXISTING LINE MARKINGS	
WHITE LINE MARKINGS	
YELLOW LINE MARKINGS	
CYCLE LANE (Apple Green)	
LEFT TURN LANE ARROW	
RIGHT TURN LANE ARROW	
GIVE WAY TRIANGLE	
ADVANCED WARNING	
CYCLE SEPARATORS	
PROPOSED SIGN	
RELOCATED STREETLIGHT	

NOTES:
1. Vehicle tracking curves

REV	AMENDMENTS	INITIAL	DATE
A	50% DESIGN	AG	22.08.23



PROGRAMME PROJECT
 JOB TITLE
 TRANSPORT CHOICES
 SUMMERHILL DRIVE
 CYCLEWAY

DRAWING TITLE
 VEHICLE TRACKING

	NAME	SIGNED	DATE
DESIGNED	AG		21.08.23
DES. REVIEW	WV		21.08.23
DRAWN	AG		21.08.23
DRW. CHECK	WV		21.08.23

APPROVED FOR TENDER	
DATE	SIGNED
FOR CONSTRUCTION	
DATE	SIGNED

HAMISH FEATONBY - GROUP MAN. - TRANSPORT & DEV

STUART CARTWRIGHT - CHIEF ENGINEER - APPROVED

SCALES	A1 1:250	A3 1:500
PNCC No.	6359	
CONSULTANT No.	5-P1569.CN	
DATE	DRAWING No.	REVISION
22.08.23	C16	A