



QUEENSTOWN
LAKES DISTRICT
COUNCIL

**QUEENSTOWN LAKES DISTRICT COUNCIL
WAKATIPU ACTIVE TRAVEL
WATN STAGE 2 ROUTES - ROUTE B2**

**CIVIL
CONCEPT DESIGN**

Project No: 6-XQ141.00
Date: 16.11.2020



300 mm
200
100
0 10 mm

DRAWING INDEX		
ROUTE : B2		
SHEET NO	TITLE	REV
C-1000	INDEX SHEET	B
C-1001	GENERAL LAYOUT SHEET 1 OF 10	B
C-1002	GENERAL LAYOUT SHEET 2 OF 10	B
C-1003	GENERAL LAYOUT SHEET 3 OF 10	B
C-1004	GENERAL LAYOUT SHEET 4 OF 10	B
C-1005	GENERAL LAYOUT SHEET 5 OF 10	B
C-1006	GENERAL LAYOUT SHEET 6 OF 10	B
C-1007	GENERAL LAYOUT SHEET 7 OF 10	B
C-1008	GENERAL LAYOUT SHEET 8 OF 10	B
C-1009	GENERAL LAYOUT SHEET 9 OF 10	B
C-1010	GENERAL LAYOUT SHEET 10 OF 10	B

1:100 @ A1
1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	FOR INFORMATION	ND	2020-11-16
B	UPDATED ALIGNMENT AND NOTATION		2020-12-04



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Dunedin 9016
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CIVIL

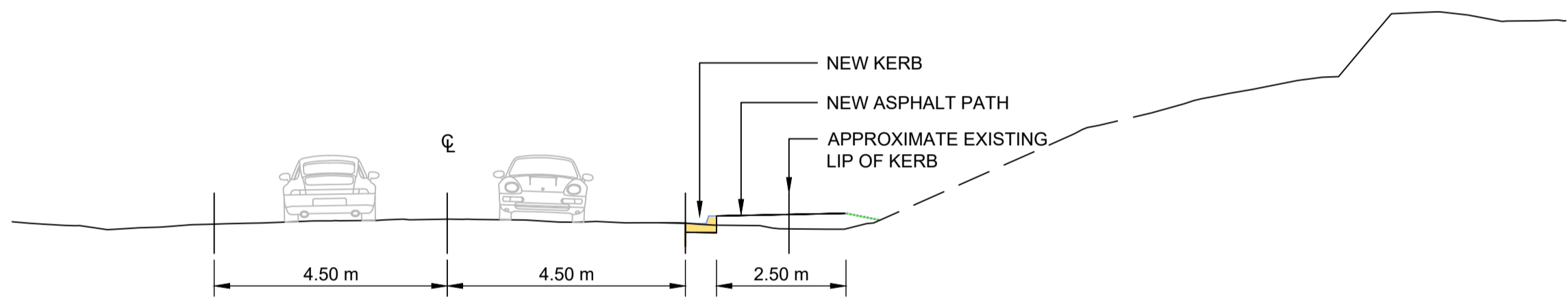
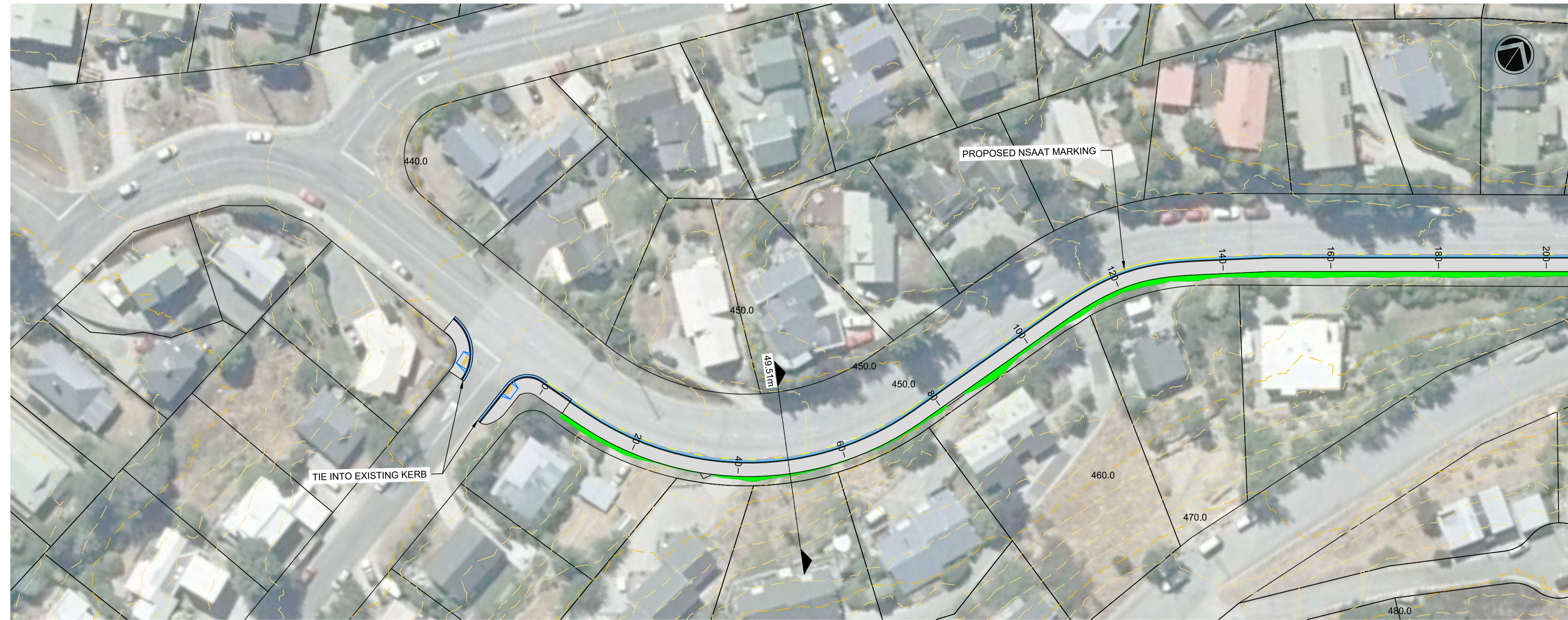
SCALES		ORIGINAL SIZE
As Shown		A1
DRAWN	DESIGNED	APPROVED
L JADVANI	M OWEN	N DIVERS
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
D DICKSON	N DIVERS	2020-11-16

CONCEPT DESIGN

PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - DETAILED DESIGN			
TITLE			
ROUTE B2 INDEX SHEET			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-XQ141.00	6-XQ141-WSP-CD-B2-DR	C-1000	B

300 mm
200
100
50
0 10 mm

LEGEND	
	CONTOURS MINOR
	CONTOURS MAJOR
	BOUNDARIES
	BRIDGE
	CULVERT
	PROPOSED GUARDRAIL
	CHIPSEAL
	GRAVEL
	SHARED PATH
	CUT BATTER
	FILL BATTER
	RETAINING WALL



FERNHILL ROAD PATH 1

Datum R.L. 442.76	
EXISTING LEVEL	442.76, 444.83, 446.12, 446.82, 448.47, 448.59, 450.17, 451.80, 452.25, 454.31, 455.06, 456.88, 457.00, 457.28, 457.56, 457.93, 458.09, 458.12
VERTICAL GEOMETRY	10.60% (31.55m), 8.12% (30.54m), 9.27% (34.72m), 10.33% (31.73m), 9.15% (11.39m), 6.63% (13.64m), 4.08% (13.87m), 2.78% (13.10m), 0.94% (17.89m), 0.70% (14.88m)
STATION	0+00, 20+00, 31.53, 40+00, 80+00, 81.97, 80+00, 96.55, 100+00, 120+00, 128.11, 138.46, 153.07, 160+00, 166.92, 180+00, 197.90, 200+00

1:100 @ A1
1:200 @ A3

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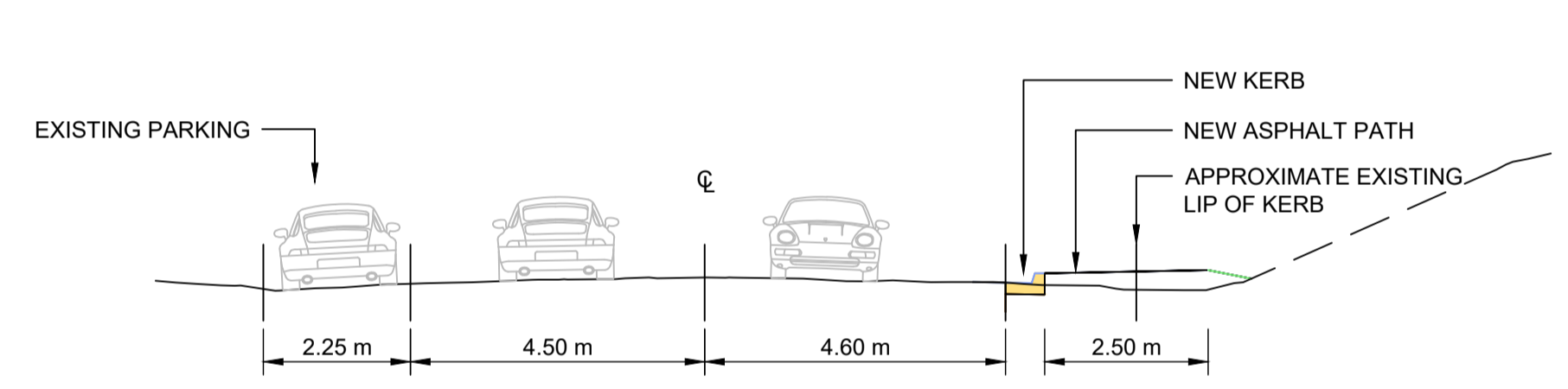
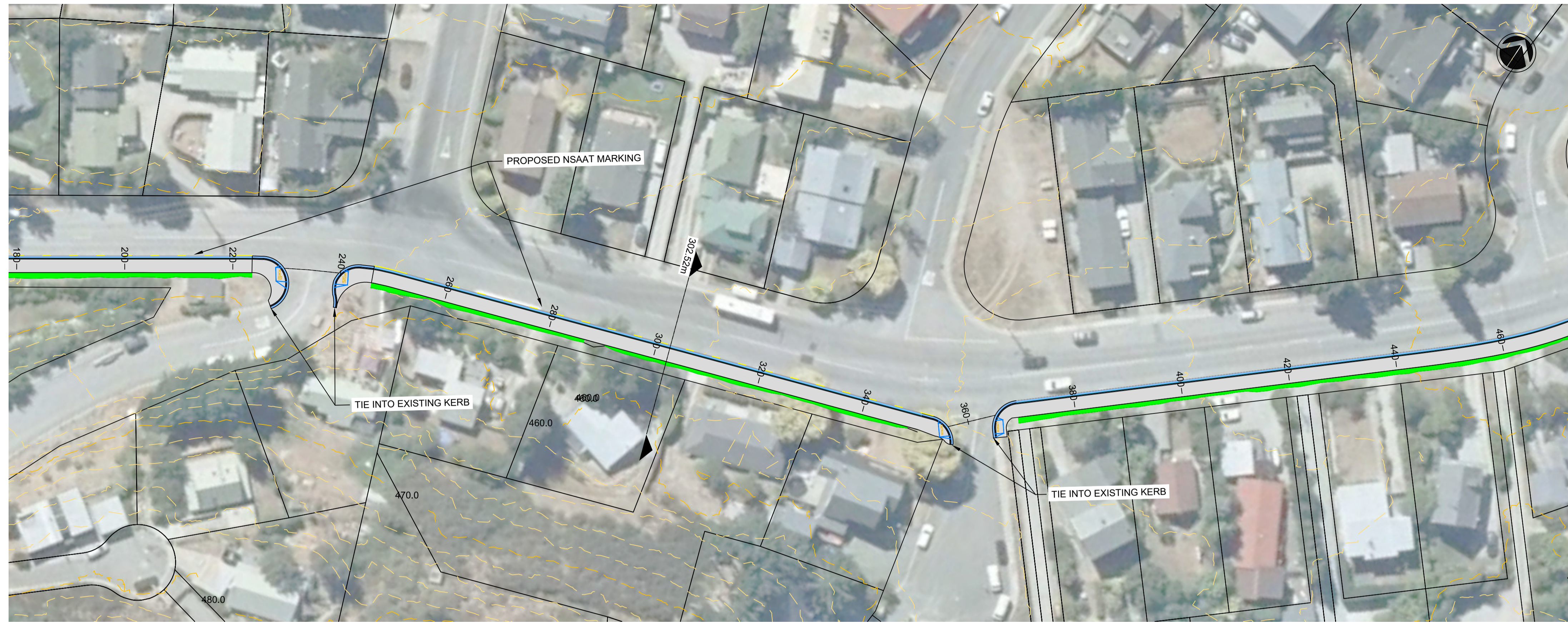
CIVIL

SCALES	ORIGINAL SIZE
1:500 @ A1	A1
DRAWN	DESIGNED
L JADVANI	R MACDONALD
DRAWING VERIFIED	DESIGN VERIFIED
M OWEN	N DIVERS
APPROVED	APPROVED DATE
N DIVERS	2020-11-16

CONCEPT DESIGN

PROJECT		SHEET NO.	
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - DETAILED DESIGN		C-1001	
TITLE		REVISION	
ROUTE B2 GENERAL LAYOUT SHEET 1 OF 10		B	
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-XQ141.00	6-XQ141-WSP-CD-B2-DR	C-1001	B

LEGEND	
	CONTOURS MINOR
	CONTOURS MAJOR
	BOUNDARIES
	BRIDGE
	CULVERT
	PROPOSED GUARDRAIL
	CHIPSEAL
	GRAVEL
	SHARED PATH
	CUT BATTER
	FILL BATTER
	RETAINING WALL



FERNHILL ROAD PATH 2

Datum R.L. 447.78	
EXISTING LEVEL	458.19, 458.19, 457.50, 456.98, 456.28, 455.41, 454.57, 453.92, 452.79, 451.93, 451.02, 450.01
VERTICAL GEOMETRY	0.70% 14.38m, 0.66% 16.92m, -0.87% 9.38m, -3.13% 10.22m, -3.27% 12.70m, -2.92% 10.37m, -2.68% 7.73m, -2.26% 4.81m, -2.28% 8.64m, -5.24% 9.05m, -4.36% 14.43m, -3.92% 13.88m, -4.73% 8.65m, -3.02% 8.47m, 0.45% 5.63m, 0.44% 6.68m, -6.57% 9.74m, -4.69% 8.71m, -3.89% 8.53m, -4.43% 10.01m, -4.52% 8.63m, -4.49% 12.69m, -6.22% 13.75m, -6.01% 13.67m, -6.58% 12.79m, -5.48% 16.98m
STATION	220.00, 240.00, 260.00, 280.00, 300.00, 320.00, 340.00, 360.00, 380.00, 400.00, 420.00, 440.00

300 mm
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100
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0 10 mm

1:100 @ A1
1:200 @ A3

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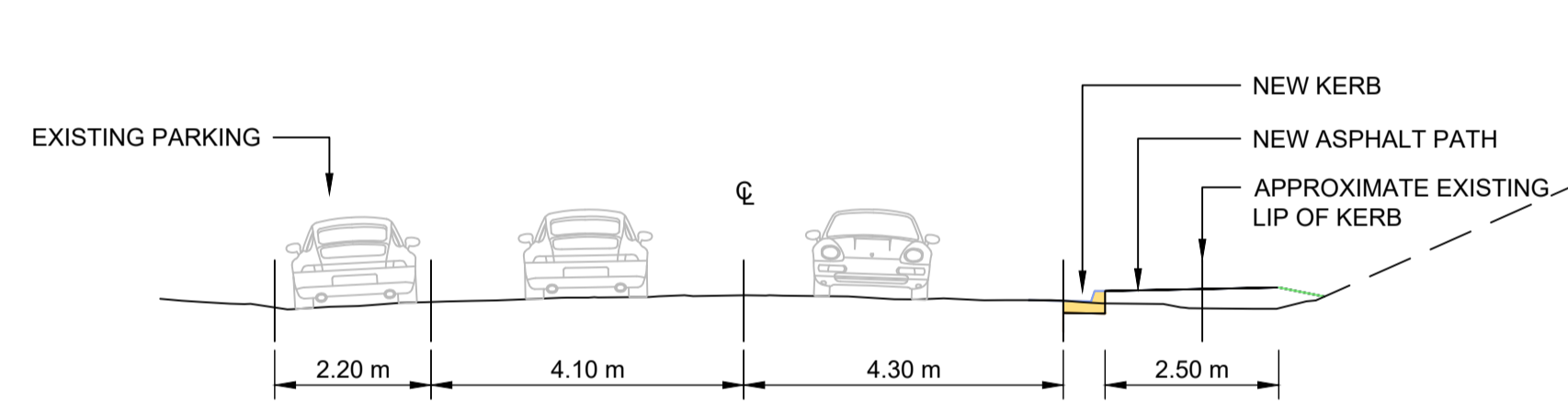
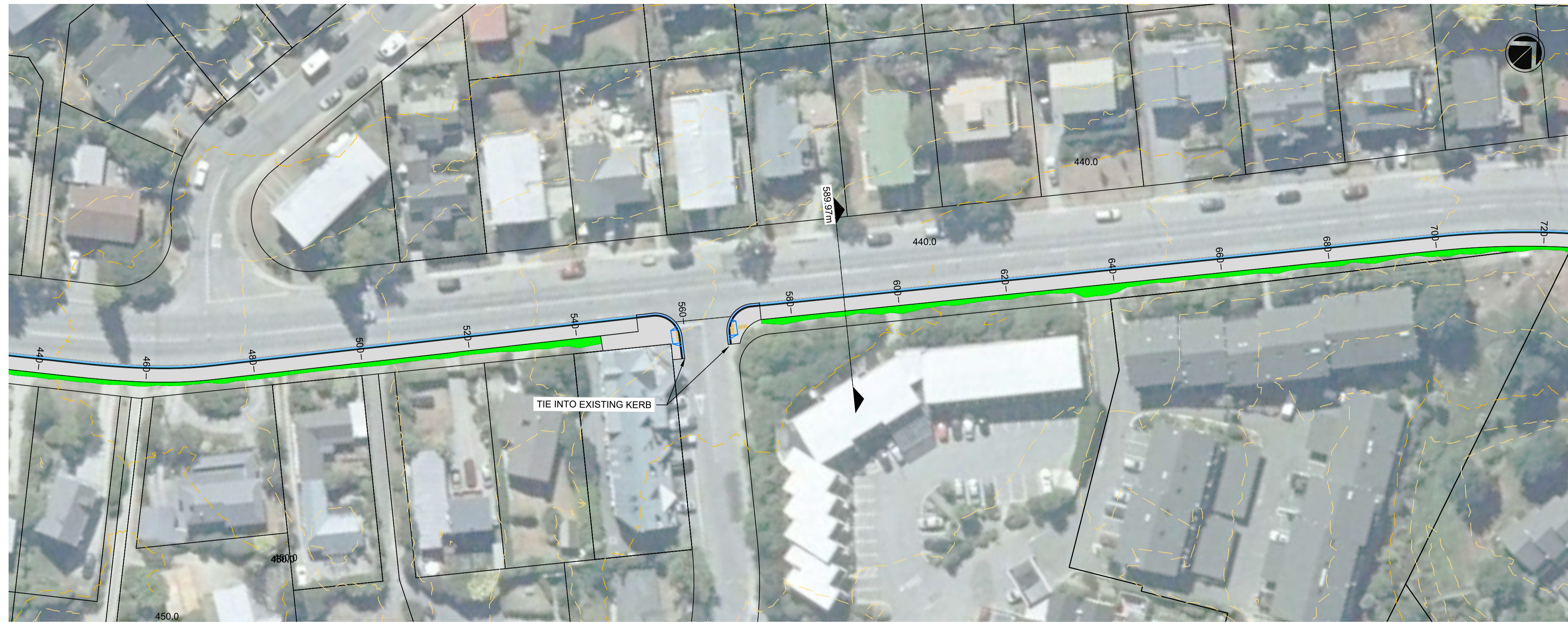
CIVIL

SCALES		ORIGINAL SIZE
1:500 @ A1		A1
DRAWN	DESIGNED	APPROVED
L JADVANI	R MACDONALD	N DIVERS
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
M OWEN	N DIVERS	2020-11-16

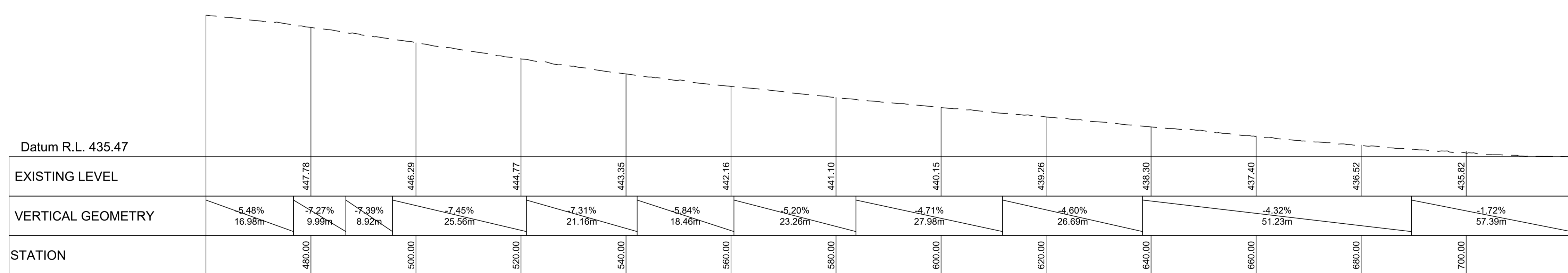
CONCEPT DESIGN

PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - DETAILED DESIGN			
TITLE			
ROUTE B2 GENERAL LAYOUT SHEET 2 OF 10			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-QX141.00	6-QX141-WSP-CD-B2-DR	C-1002	B

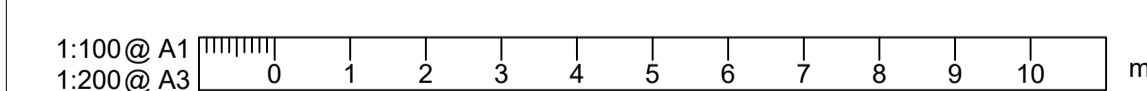
LEGEND	
	CONTOURS MINOR
	CONTOURS MAJOR
	BOUNDARIES
	BRIDGE
	CULVERT
	PROPOSED GUARDRAIL
	CHIPSEAL
	GRAVEL
	SHARED PATH
	CUT BATTER
	FILL BATTER
	RETAINING WALL



FERNHILL ROAD PATH 3



300 mm
200
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0 10 mm



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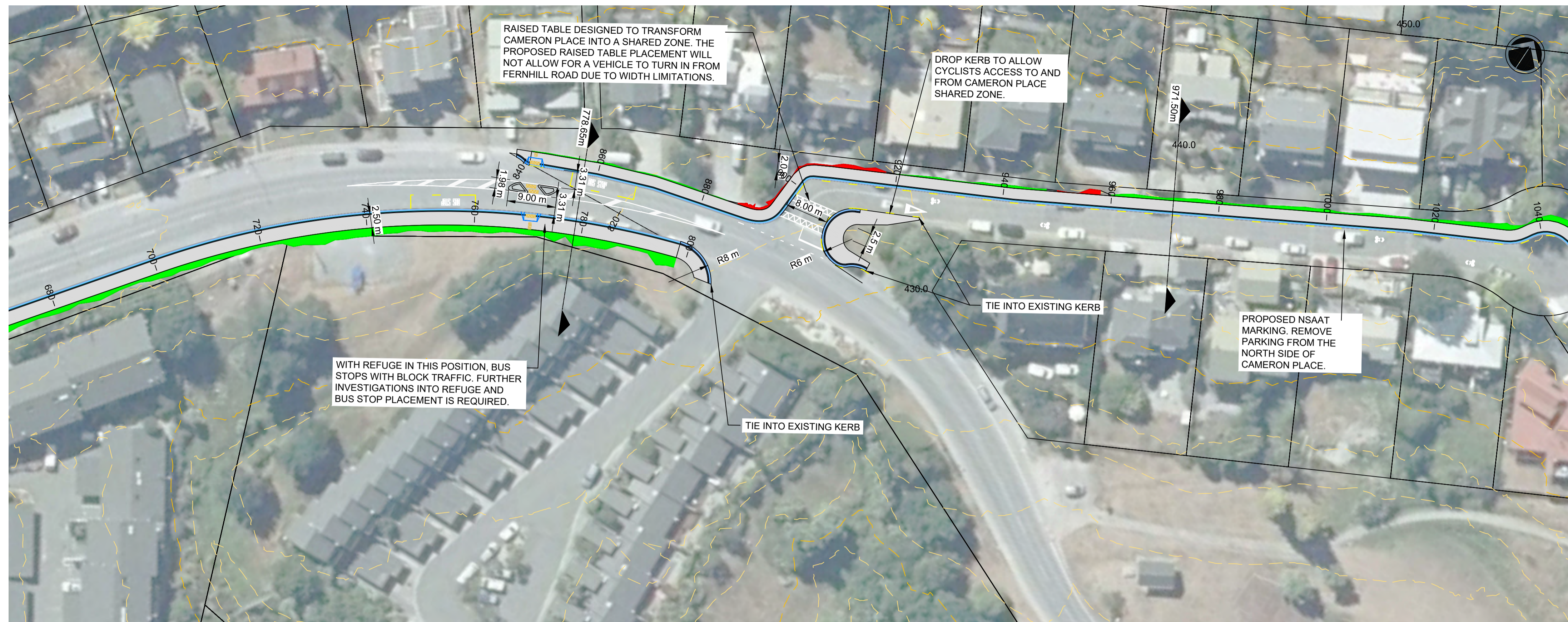
CIVIL

SCALES		ORIGINAL SIZE
1:500 @ A1		A1
DRAWN	DESIGNED	APPROVED
L JADVANI	R MACDONALD	N DIVERS
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
M OWEN	N DIVERS	2020-11-16

CONCEPT DESIGN

PROJECT		
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - DETAILED DESIGN		
TITLE		
ROUTE B2 GENERAL LAYOUT SHEET 3 OF 10		
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.
6-QX141.00	6-QX141-WSP-CD-B2-DR	C-1003
REVISION		
B		

LEGEND	
	CONTOURS MINOR
	CONTOURS MAJOR
	BOUNDARIES
	BRIDGE
	CULVERT
	PROPOSED GUARDRAIL
	CHIPSEAL
	GRAVEL
	SHARED PATH
	CUT BATTER
	FILL BATTER
	RETAINING WALL



Datum R.L. 432.35	
EXISTING LEVEL	435.21, 434.93, 434.24, 432.69, 434.00, 434.86, 434.47, 433.25, 433.17, 433.94, 434.63, 435.57
VERTICAL GEOMETRY	-1.72% (57.39m), -5.08% (55.80m), 6.23% (42.07m), -3.36% (54.96m), 3.43% (153.20m)
STATION	740.00, 760.00, 780.00, 800.00, 820.00, 840.00, 860.00, 880.00, 900.00, 920.00, 940.00, 960.00

1:100 @ A1
1:200 @ A3

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CIVIL

SCALES	DESIGNED	APPROVED	ORIGINAL SIZE
1:500 @ A1	R MACDONALD	N DIVERS	A1
DRAWN	DESIGN VERIFIED	APPROVED DATE	
L JADVANI	N DIVERS	2020-11-16	

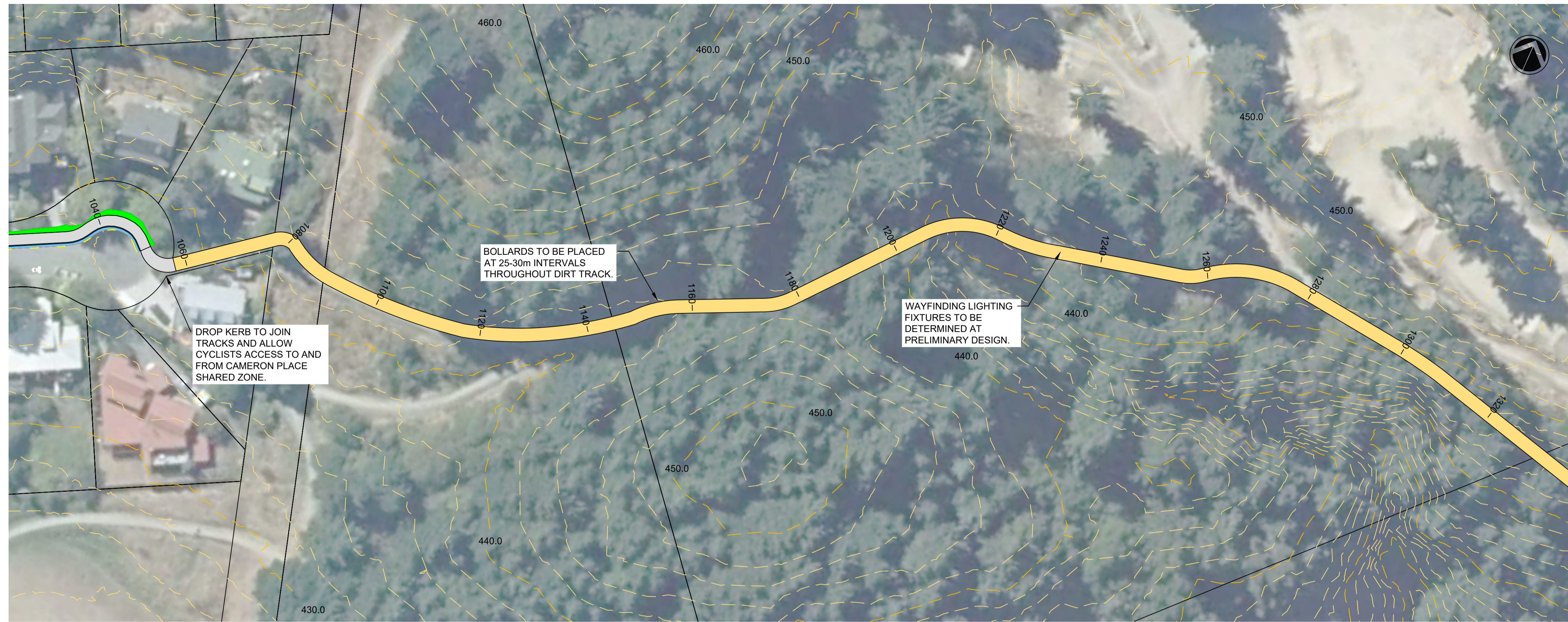
CONCEPT DESIGN

PROJECT
QUEENSTOWN LAKES DISTRICT COUNCIL
WAKATIPU ACTIVE TRAVEL
WATN STAGE 2 ROUTES - DETAILED DESIGN

TITLE
ROUTE B2
GENERAL LAYOUT SHEET 4 OF 10

WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-XQ141.00	6-XQ141-WSP-CD-B2-DR	C-1004	B

LEGEND	
	CONTOURS MINOR
	CONTOURS MAJOR
	BOUNDARIES
	BRIDGE
	CULVERT
	PROPOSED GUARDRAIL
	CHIPSEAL
	GRAVEL
	SHARED PATH
	CUT BATTER
	FILL BATTER
	RETAINING WALL



300 mm
200
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0 10 mm

1:100 @ A1
1:200 @ A3



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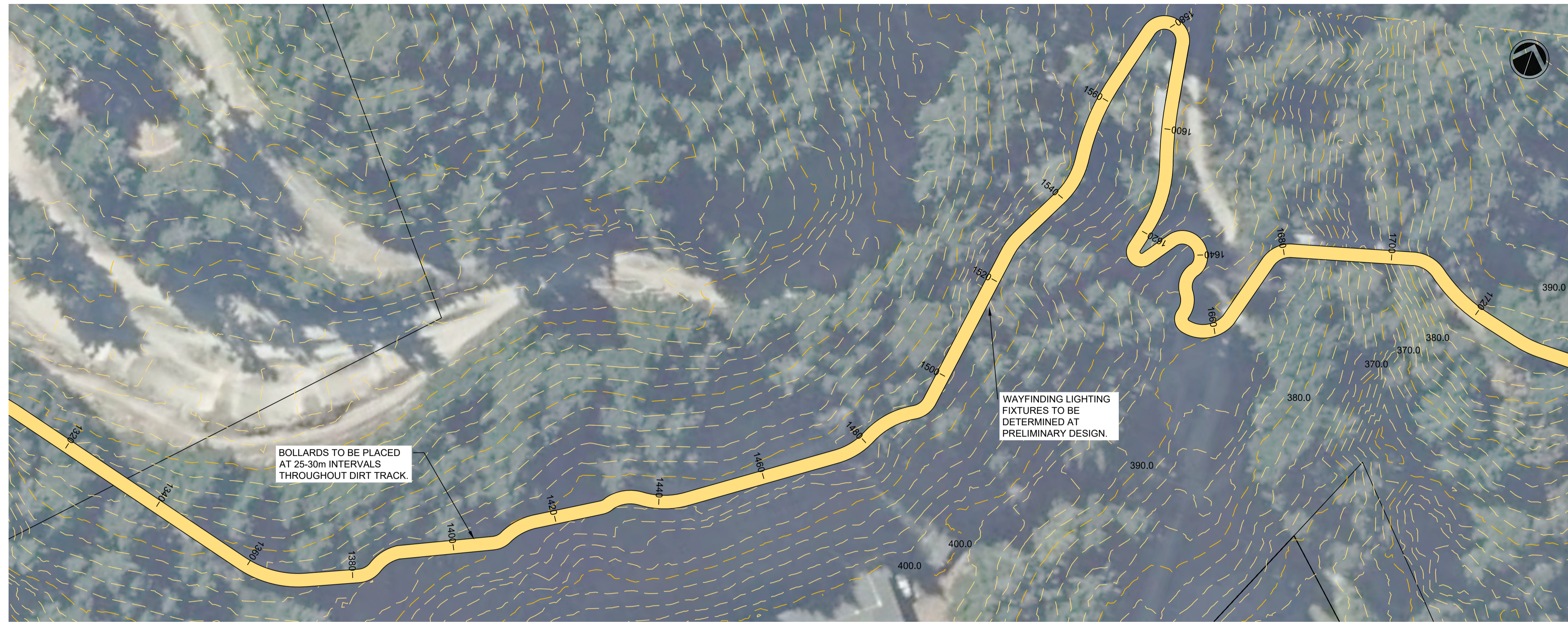
CIVIL

SCALES		ORIGINAL SIZE
1:500 @ A1		A1
DRAWN	DESIGNED	APPROVED
L JADVANI	R MACDONALD	N DIVERS
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
M OWEN	N DIVERS	2020-11-16

CONCEPT DESIGN

PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - DETAILED DESIGN			
TITLE			
ROUTE B2 GENERAL LAYOUT SHEET 5 OF 10			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-QX141.00	6-QX141-WSP-CD-B2-DR	C-1005	B

LEGEND	
	CONTOURS MINOR
	CONTOURS MAJOR
	BOUNDARIES
	BRIDGE
	CULVERT
	PROPOSED GUARDRAIL
	CHIPSEAL
	GRAVEL
	SHARED PATH
	CUT BATTER
	FILL BATTER
	RETAINING WALL



300 mm
200
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0 10 mm

1:100 @ A1
1:200 @ A3



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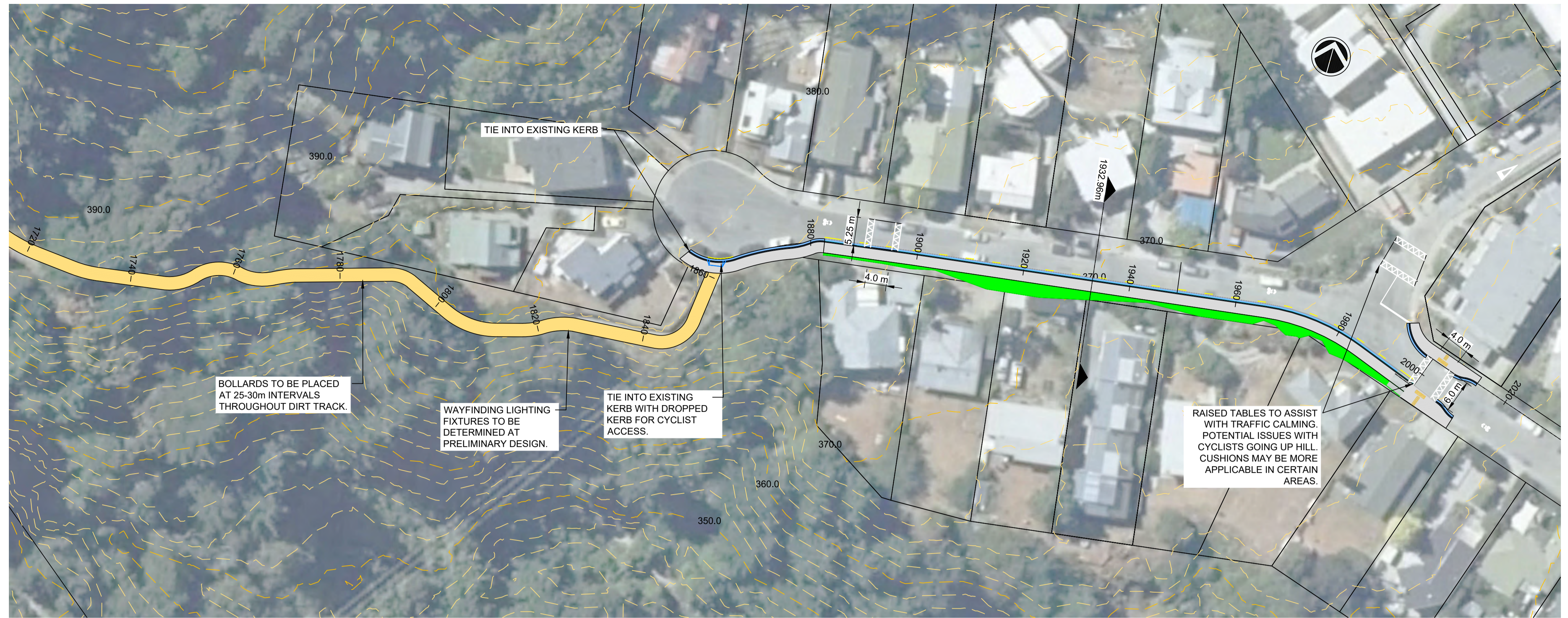
CIVIL

SCALES		ORIGINAL SIZE
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DRAWN	DESIGNED	APPROVED
L JADVANI	R MACDONALD	N DIVERS
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
M OWEN	N DIVERS	2020-11-16

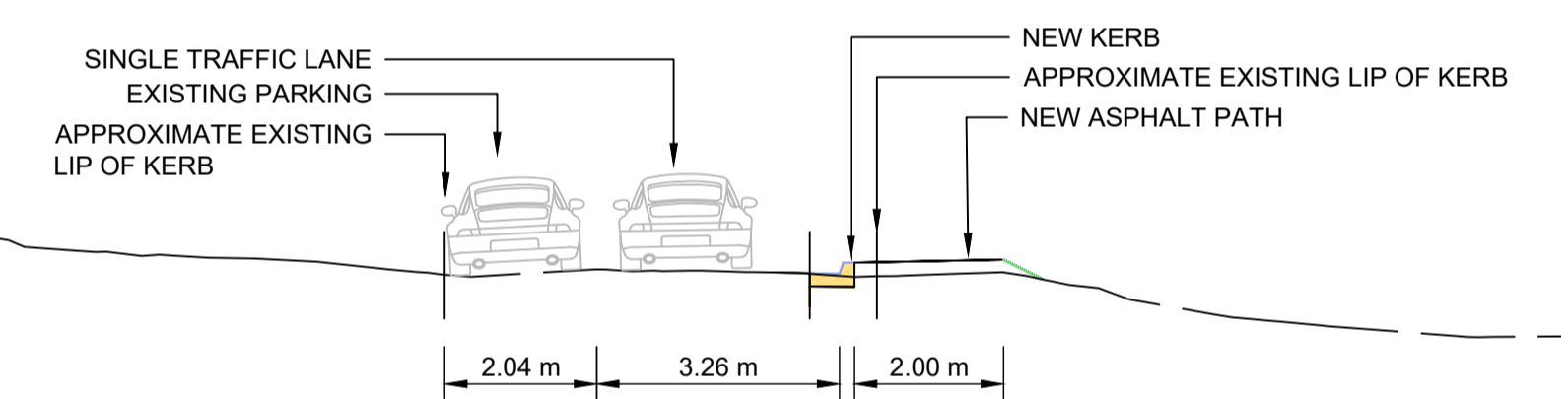
CONCEPT DESIGN

PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - DETAILED DESIGN			
TITLE			
ROUTE B2 GENERAL LAYOUT SHEET 6 OF 10			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-XQ141.00	6-XQ141-WSP-CD-B2-DR	C-1006	B

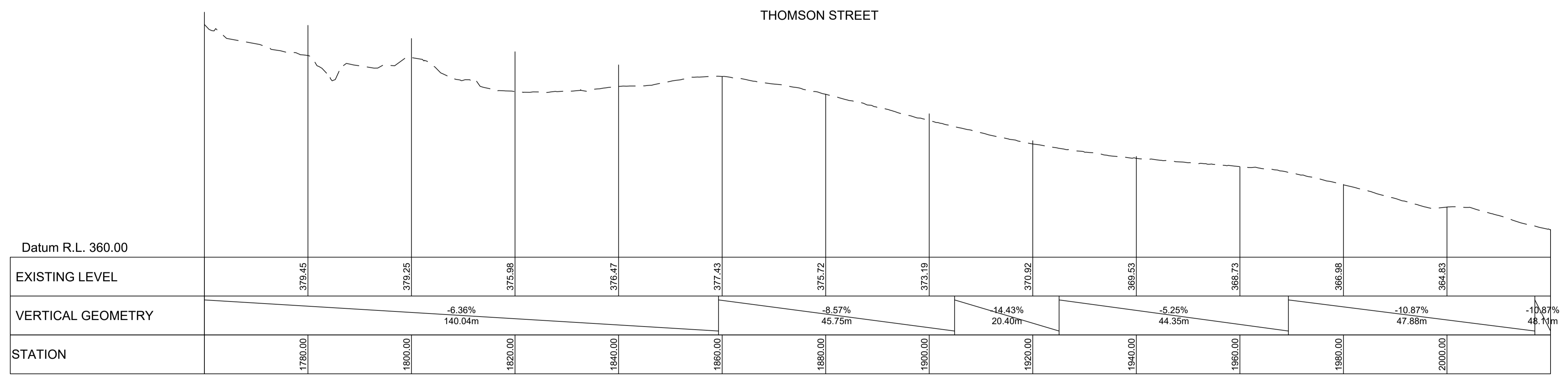
LEGEND	
	CONTOURS MINOR
	CONTOURS MAJOR
	BOUNDARIES
	BRIDGE
	CULVERT
	PROPOSED GUARDRAIL
	CHIPSEAL
	GRAVEL
	SHARED PATH
	CUT BATTER
	FILL BATTER
	RETAINING WALL



300 mm
200
100
50
0 10 mm



THOMSON STREET



1:100 @ A1
1:200 @ A3

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SCALES		ORIGINAL SIZE
1:500 @ A1		A1
DRAWN	DESIGNED	APPROVED
L JADVANI	R MACDONALD	N DIVERS
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
M OWEN	N DIVERS	2020-11-16

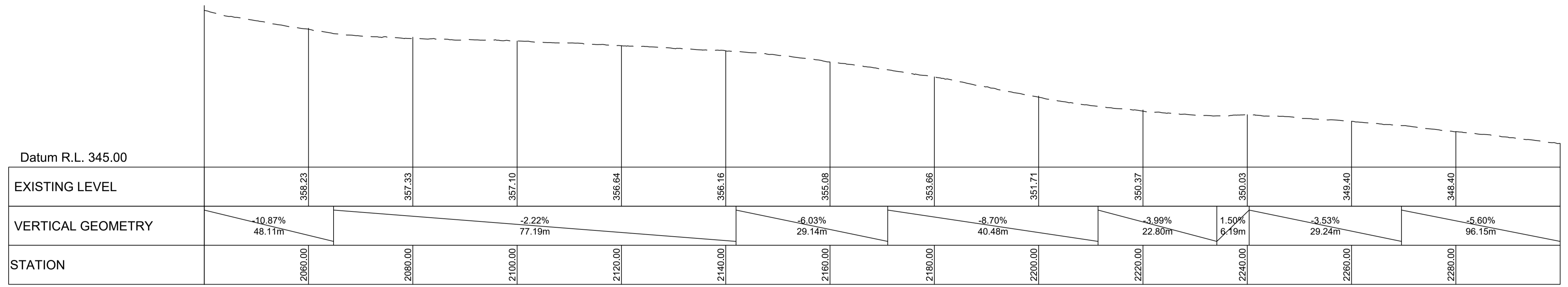
CONCEPT DESIGN

PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - DETAILED DESIGN			
TITLE			
ROUTE B2 GENERAL LAYOUT SHEET 7 OF 10			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-XQ141.00	6-XQ141-WSP-CD-B2-DR	C-1007	B

LEGEND	
	CONTOURS MINOR
	CONTOURS MAJOR
	BOUNDARIES
	BRIDGE
	CULVERT
	PROPOSED GUARDRAIL
	CHIPSEAL
	GRAVEL
	SHARED PATH
	CUT BATTER
	FILL BATTER
	RETAINING WALL



300 mm
200
100
50
0 10 mm



1:100 @ A1
1:200 @ A3

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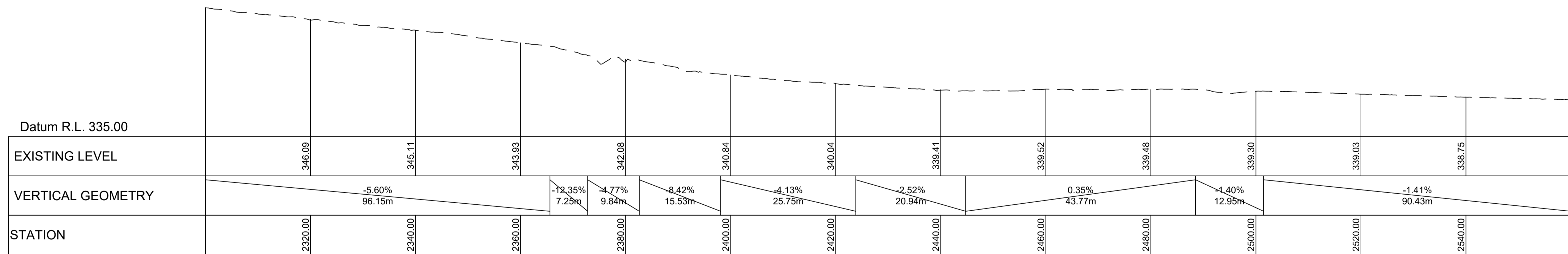
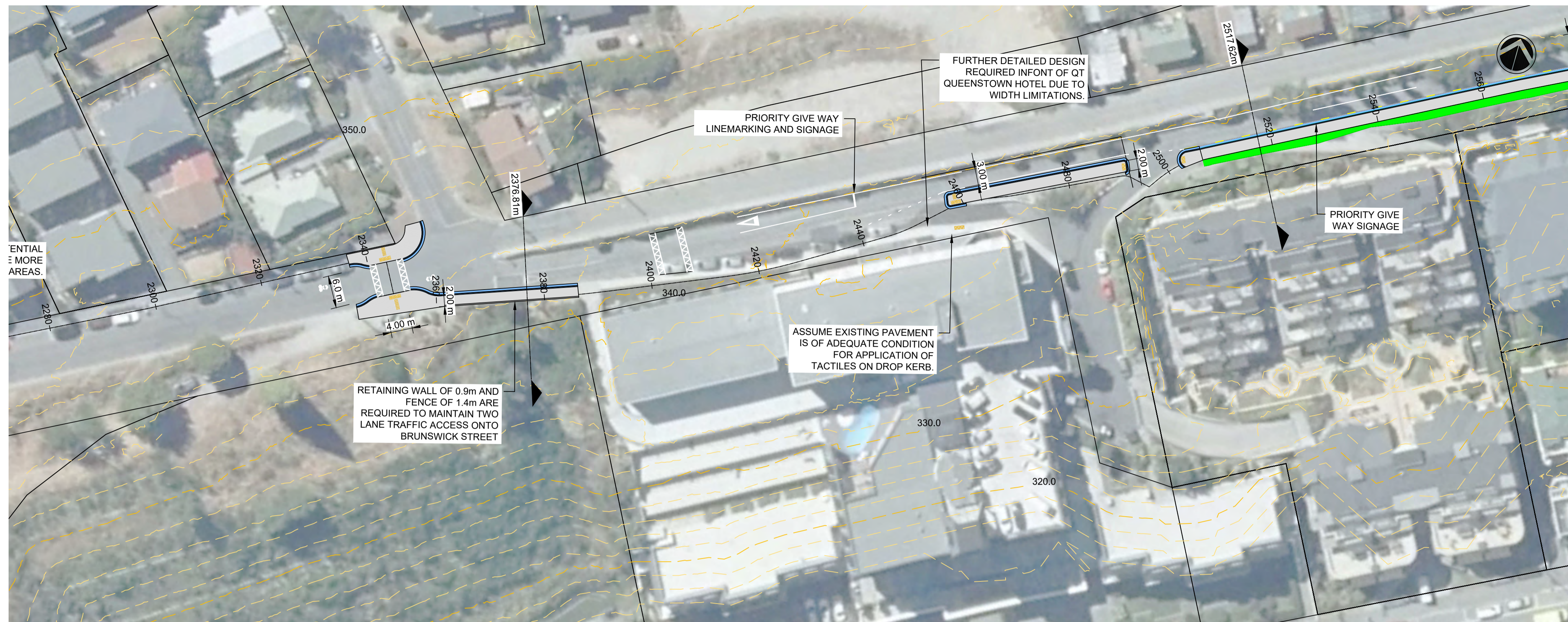
CIVIL

SCALES		ORIGINAL SIZE
1:500 @ A1		A1
DRAWN	DESIGNED	APPROVED
L JADVANI	R MACDONALD	N DIVERS
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
M OWEN	N DIVERS	2020-11-16

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PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - DETAILED DESIGN			
TITLE			
ROUTE B2 GENERAL LAYOUT SHEET 8 OF 10			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-QX141.00	6-QX141-WSP-CD-B2-DR	C-1008	B

LEGEND	
	CONTOURS MINOR
	CONTOURS MAJOR
	BOUNDARIES
	BRIDGE
	CULVERT
	PROPOSED GUARDRAIL
	CHIPSEAL
	GRAVEL
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1:100 @ A1
1:200 @ A3

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SCALES	ORIGINAL SIZE
1:500 @ A1	A1
DRAWN	DESIGNED
L JADVANI	R MACDONALD
DRAWING VERIFIED	DESIGN VERIFIED
M OWEN	N DIVERS
APPROVED	APPROVED DATE
N DIVERS	2020-11-16

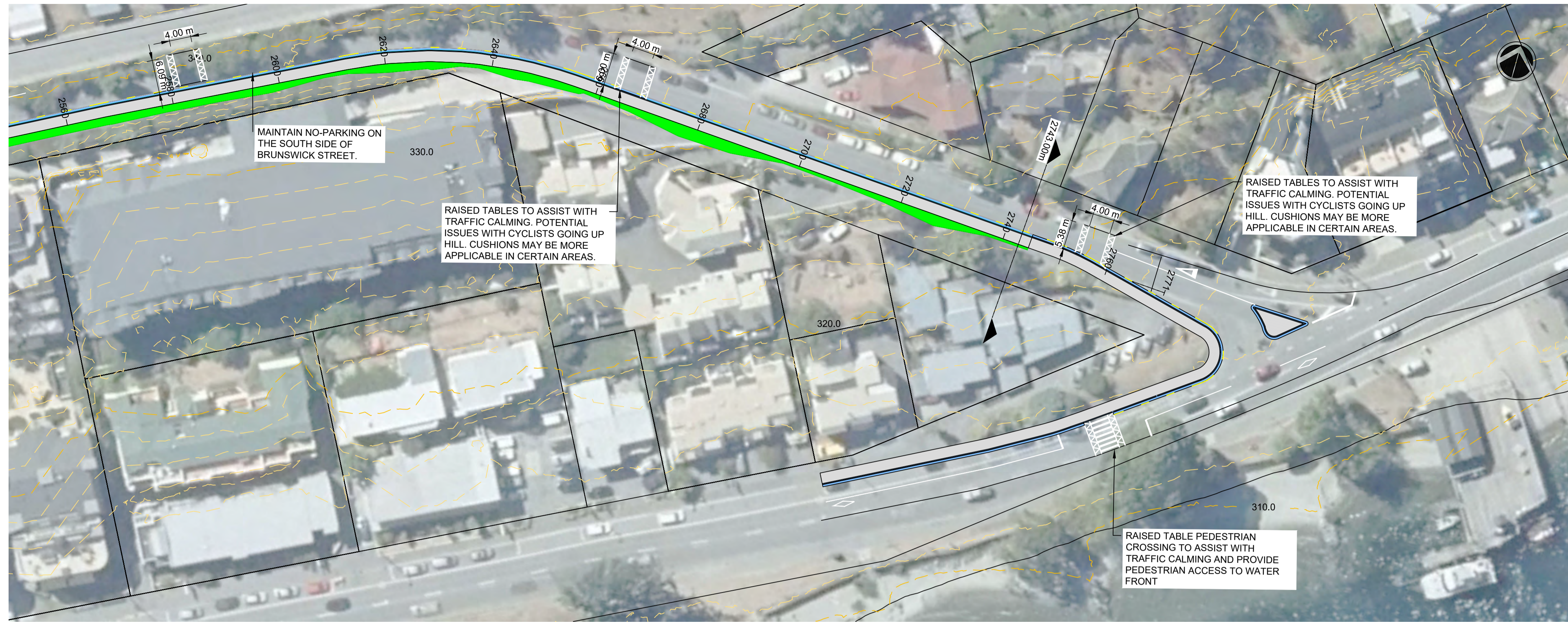
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PROJECT
QUEENSTOWN LAKES DISTRICT COUNCIL
WAKATIPU ACTIVE TRAVEL
WATN STAGE 2 ROUTES - DETAILED DESIGN

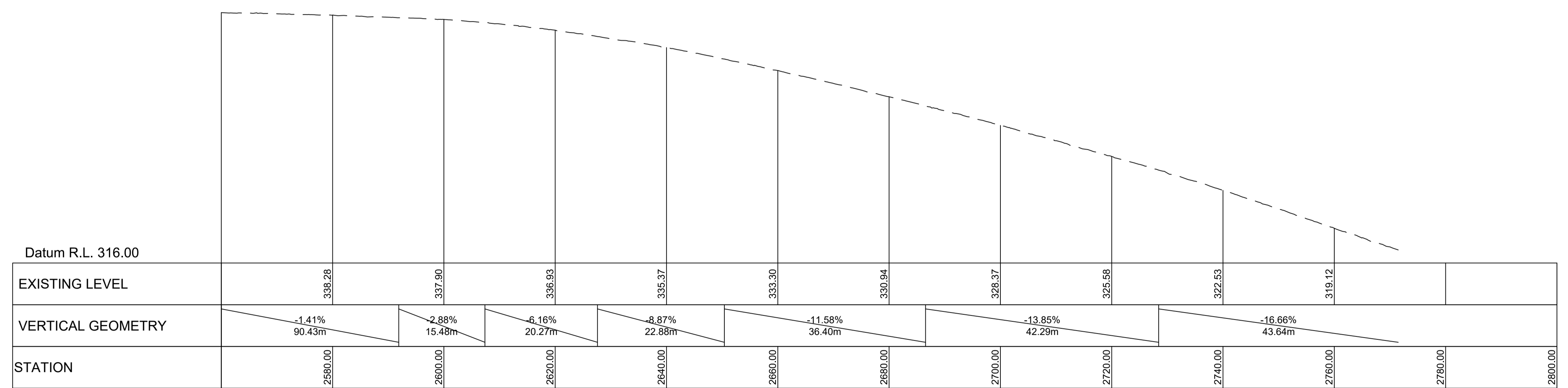
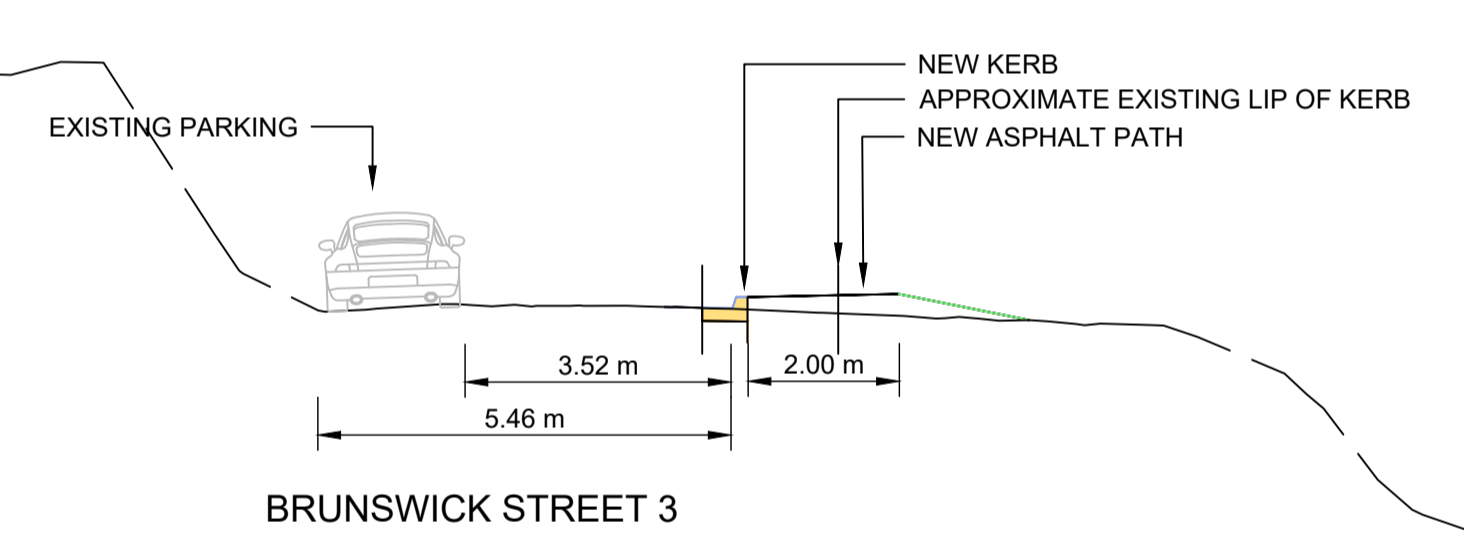
TITLE
ROUTE B2
GENERAL LAYOUT SHEET 9 OF 10

WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-QX141.00	6-QX141-WSP-CD-B2-DR	C-1009	B

LEGEND	
	CONTOURS MINOR
	CONTOURS MAJOR
	BOUNDARIES
	BRIDGE
	CULVERT
	PROPOSED GUARDRAIL
	CHIPSEAL
	GRAVEL
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1:100 @ A1
1:200 @ A3

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M OWEN	N DIVERS	2020-11-16

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PROJECT			
QUEENSTOWN LAKES DISTRICT COUNCIL WAKATIPU ACTIVE TRAVEL WATN STAGE 2 ROUTES - DETAILED DESIGN			
TITLE			
ROUTE B2 GENERAL LAYOUT SHEET 10 OF 10			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
6-QX141.00	6-QX141-WSP-CD-B2-DR	C-1010	B