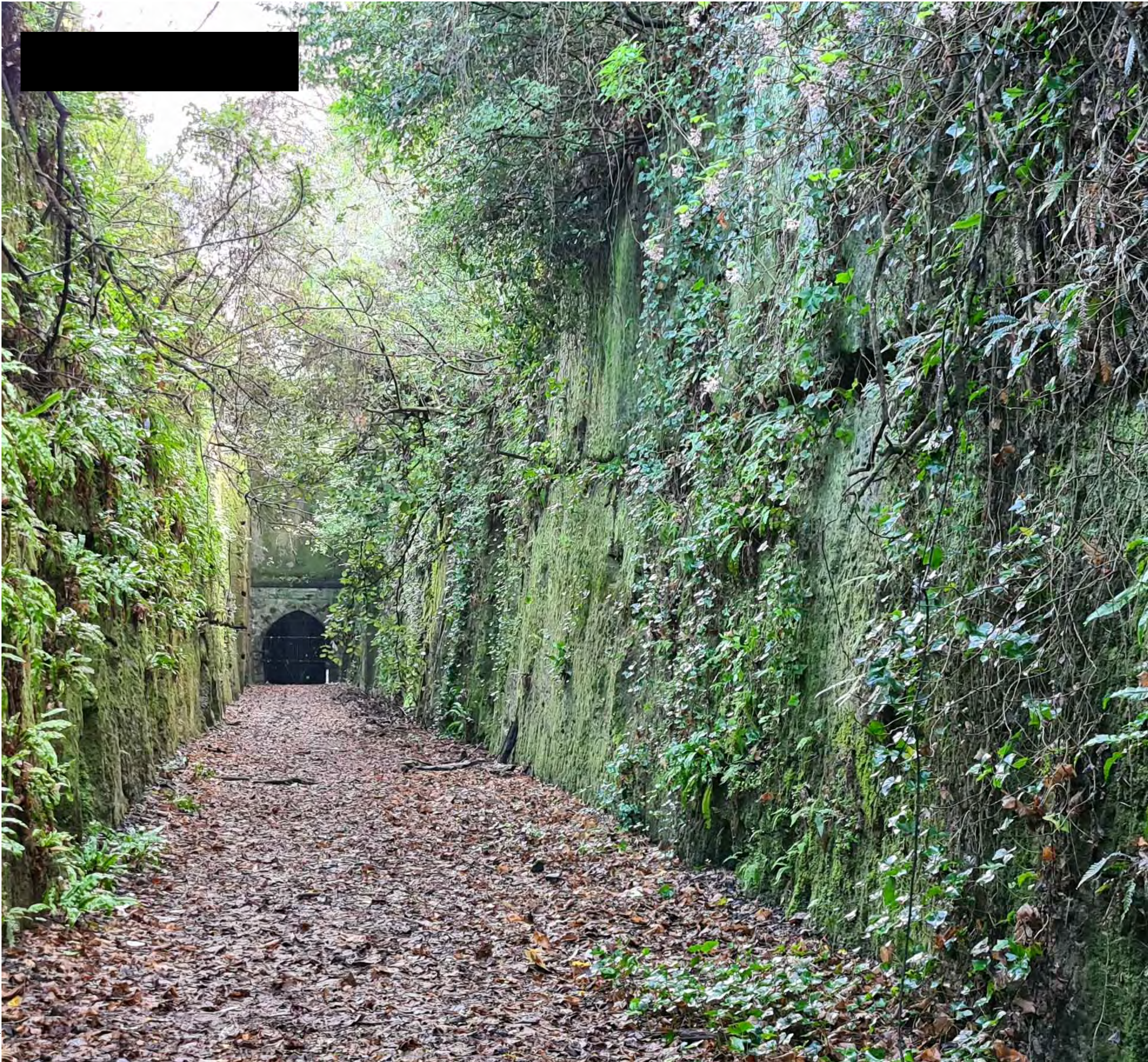




DUNEDIN TUNNELS TRAIL (CYT) - CONCEPT

CONCEPT DESIGN

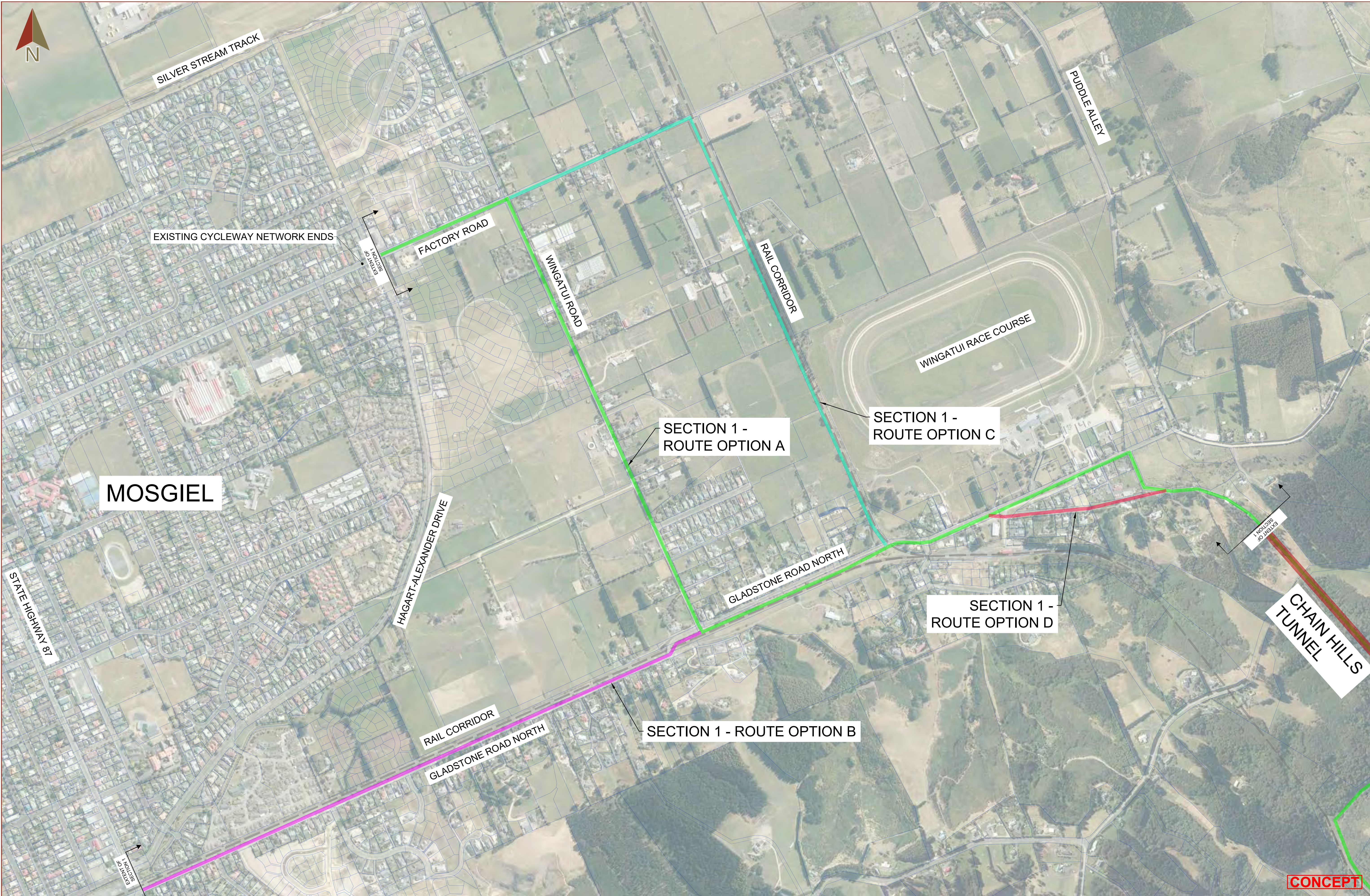
ROUTE OPTION 4 & 5

REVISION: A
16/02/2021

- PLEASE REFER TO THE ACCOMPANYING CONCEPT DESIGN REPORT FOR FULL CONTENT.
2. CONCEPT DESIGN HAS BEEN COMPLETED AS A LARGE-SCALE DESKTOP EXERCISE TO ASSESS LIKELY APPROXIMATE 2D DESIGN ARRANGEMENTS FOR THE OVERALL ROUTE. THIS HAS BEEN UNDERTAKEN CONSIDERING THE FOLLOWING INFORMATION RESOURCES TO UNDERSTAND THE EXISTING ENVIRONMENT AND CONSTRAINTS:
- SITE DRIVE OVER SUPPLEMENTED BY GOOGLE STREETVIEW (WHERE ACCESSIBLE)
 - AERIAL PHOTOGRAPH (VIA LINZ DATA SERVICE)
 - DCC GIS
 - BEFORE/DIG CABLE PLAN RE-UEST
 - DCC SUPPLIED LIDAR CONTOURS SHOWN ON THE PLANS AT 1m INTERVALS
 - NZ CONTOURS TOPO, 1:50K (VIA LINZ DATA SERVICE) SHOWN ON THE PLANS AT 5m INTERVALS IN LOCATIONS WHERE LIDAR IS NOT AVAILABLE
 - NZ LAND PARCELS (VIA LINZ DATA SERVICE)
 - KIWI RAIL TRACK VIDEO (SUPPLIED BY KIWI RAIL)
 - INFORMATION GATHERED FROM BUSINESS CASE DEVELOPMENT TO DATE
3. THE CONCEPT DESIGN IS LIMITED IN SCOPE AND ACCURACY, HAVING BEEN COMPLETED TO ACHIEVE ONLY THE OBJECTIVES OF THIS PHASE OF THE PROJECT. IT DOES NOT INCLUDE 3D DESIGN, IS NOT SURVEY-ACCURATE AND IS NOT SUPPORTED BY DETAILED INVESTIGATIONS. KEY ITEMS EXCLUDED FROM THIS CONCEPT DESIGN INCLUDE:
- KEY DESIGN INTERVENTIONS SUCH AS INTERSECTION LAYOUTS, RETAINING WALLS AND OTHER STRUCTURE ARRANGEMENTS, WHERE LIKELY INTERVENTIONS ARE REQUIRED THESE WILL BE NOTED FOR FUTURE CONSIDERATION.
 - DESIGN ARRANGEMENT WITHIN THE TUNNELS.
 - STREETLIGHTING
 - 3D DESIGN
 - DRAINAGE AND SERVICES DESIGN
4. CONCEPT DESIGN HAS BEEN COMPLETED IN TERMS OF NZGD2000/ NZTM 2000
5. EXISTING SERVICES ARE NOT SHOWN.

CONCEPT

REV. REVISION DETAILS				DRN / CHK / APP / DATE				bonisch consultants T 03 218 2546 F 03 214 4285 FP 0800 802 546 19 The Crescent, P.O. Box 1262, Invercargill 9840 E admin@bonisch.nz W www.bonisch.nz				CLIENT:				PROJECT:				SHEET TITLE:				SURVEYED:				SCALE (ORIGINAL SIZE A1)			
A				NRW / SJC / PGO / 15/02/2021								DUNEDIN TUNNELS TRAIL (CYT) - CONCEPT				NOTES AND LEGEND				DESIGNED: SJC / 15/02/2021				1:							
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																				7332				1 of 25							
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REV	REVISION DETAILS	DRN	CHK	APP	DATE
A		NRW	SJC	PGO	15/02/2021



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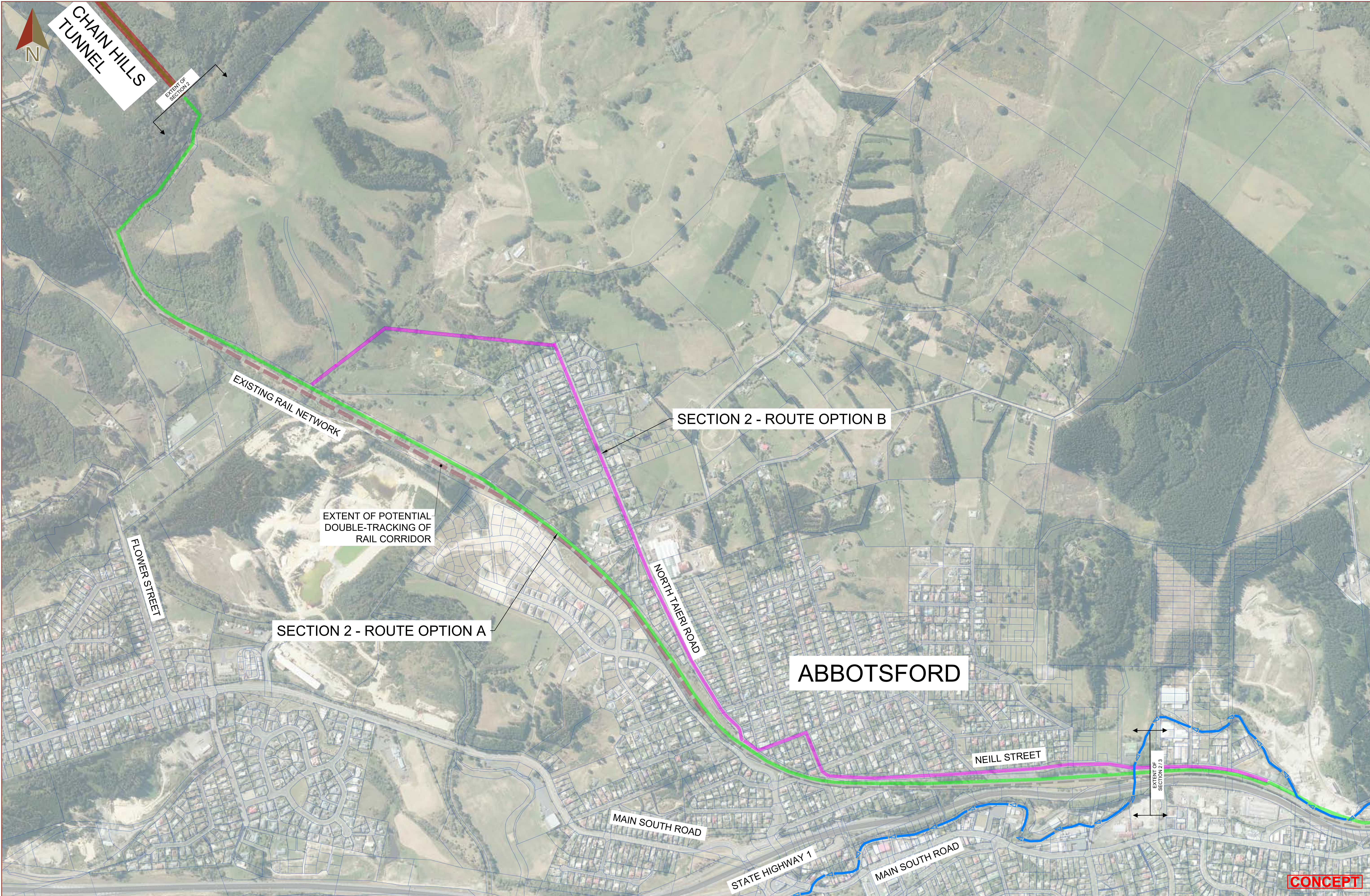
PROJECT:

DUNEDIN TUNNELS TRAIL (CYT) - CONCEPT

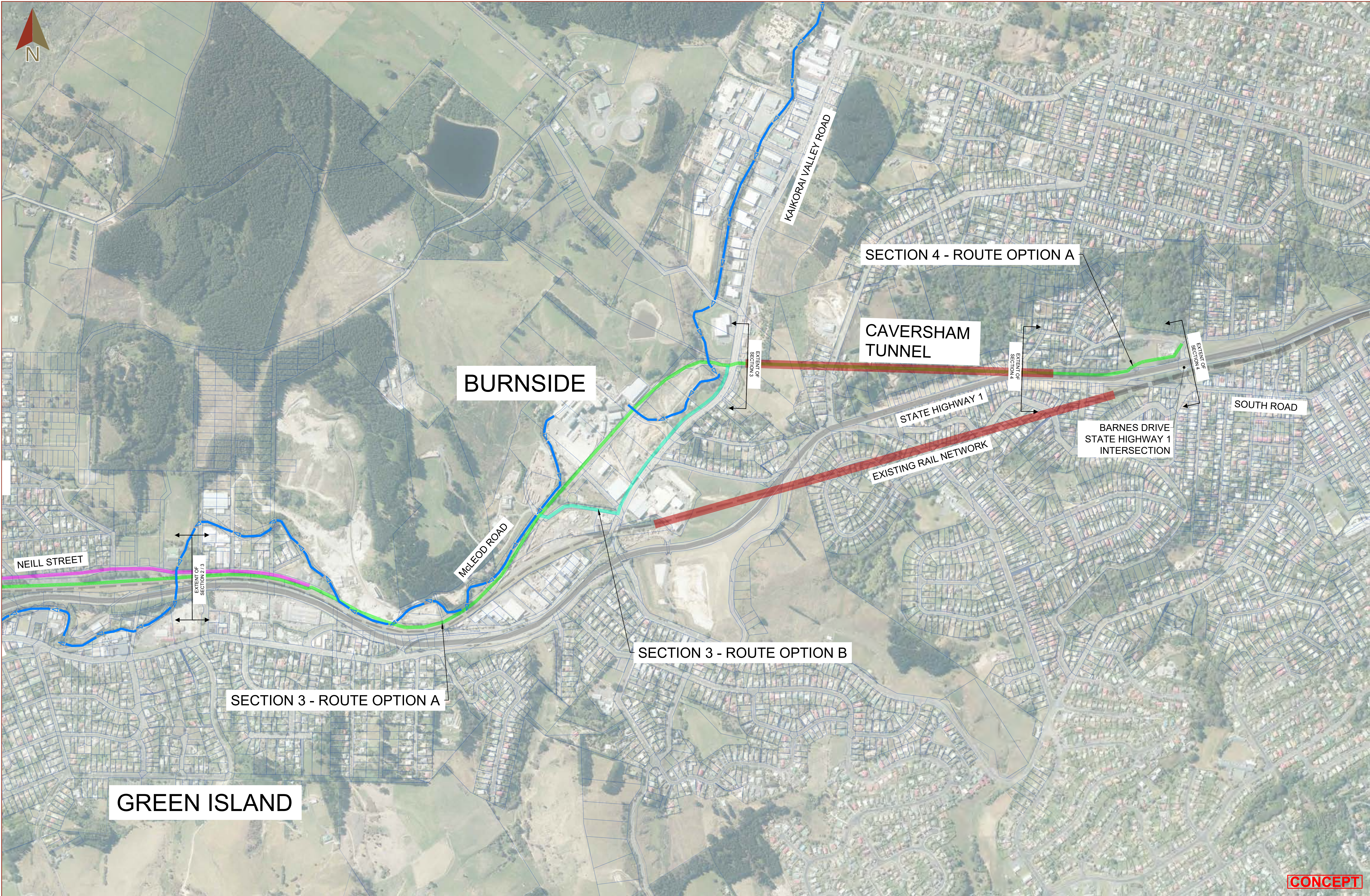
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SECTION 1 - MOSGIEL TO CHAIN HILLS TUNNEL

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DRAWN:	NRW	15/02/2021	JOB NO	7332
DRAWING CHECK:	SJC	15/02/2021	SHEET	2 of 25
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APPROVED:	PGO	15/02/2021		

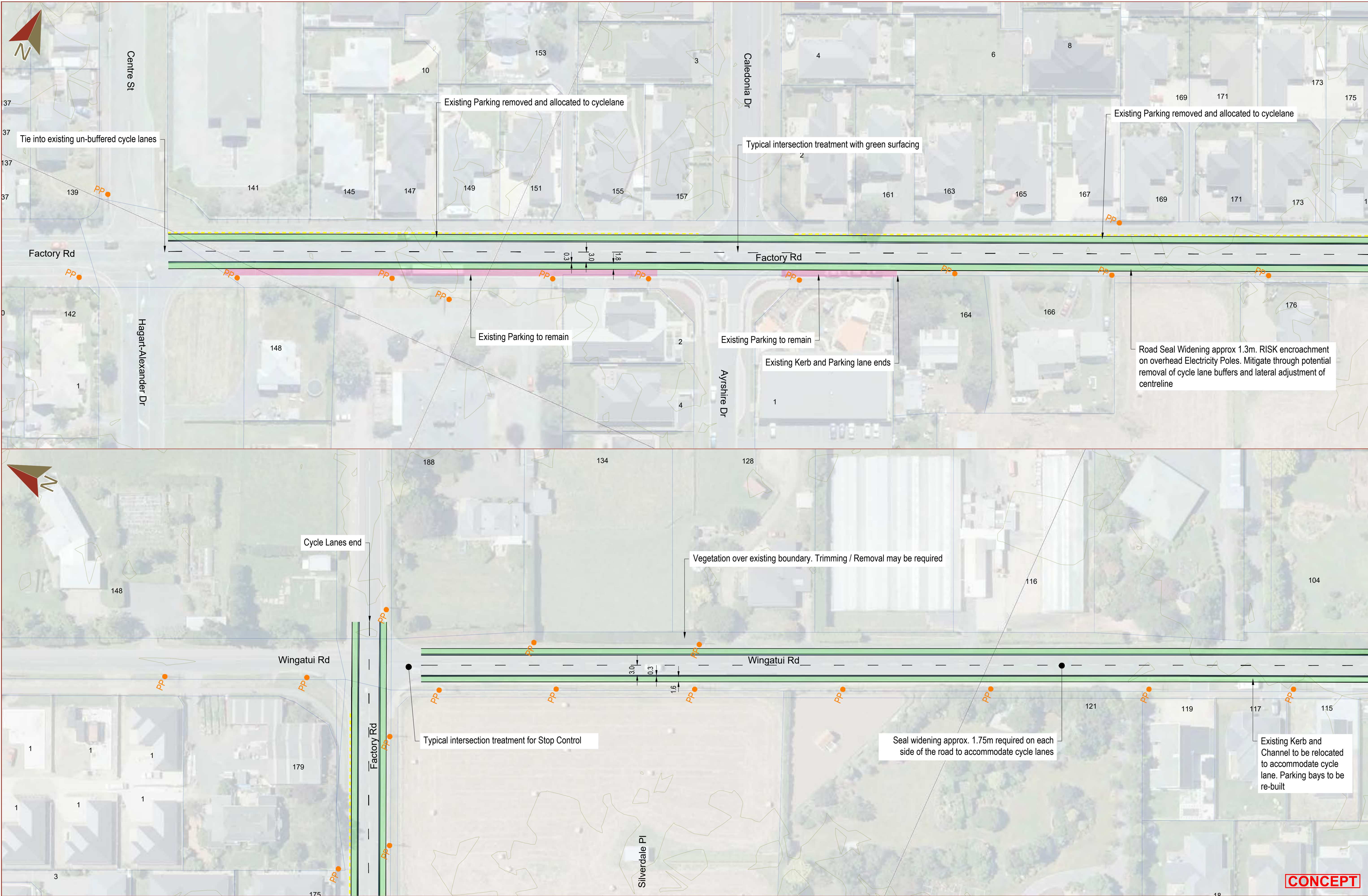


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					19 The Crescent, P.O. Box 1262, Invercargill 9840								DRAWING CHECK: SJC 15/02/2021				JOB NO				7332			
					E admin@bonisch.nz W www.bonisch.nz								DESIGN CHECK: PGO 15/02/2021				SHEET				3 of 25			
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CONCEPT

REVISION DETAILS					DRN	CHK	APP	DATE		CLIENT:  kaunihera a-rohe o Ōtepoti	PROJECT: DUNEDIN TUNNELS TRAIL (CYT) - CONCEPT	SHEET TITLE: SECTION 3 4 - BURNSIDE TO CAVERSHAM	SURVEYED:			SCALE (ORIGINAL SIZE A1) 1:5000			
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									T 03 218 2546 F 03 214 4285 FF 0800 802 546 19 The Crescent, P.O. Box 1262, Invercargill 9840 E admin@bonisch.nz W www.bonisch.nz										



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REVISION DETAILS				DATE	
REV	DESCRIPTION	CHK	APP	DATE	
A		NRW	SJC	15/02/2021	

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CLIENT:
DUNEDIN CITY COUNCIL kaunihera a-rohe o ōtepoti

PROJECT:
DUNEDIN TUNNELS TRAIL (CYT) - CONCEPT

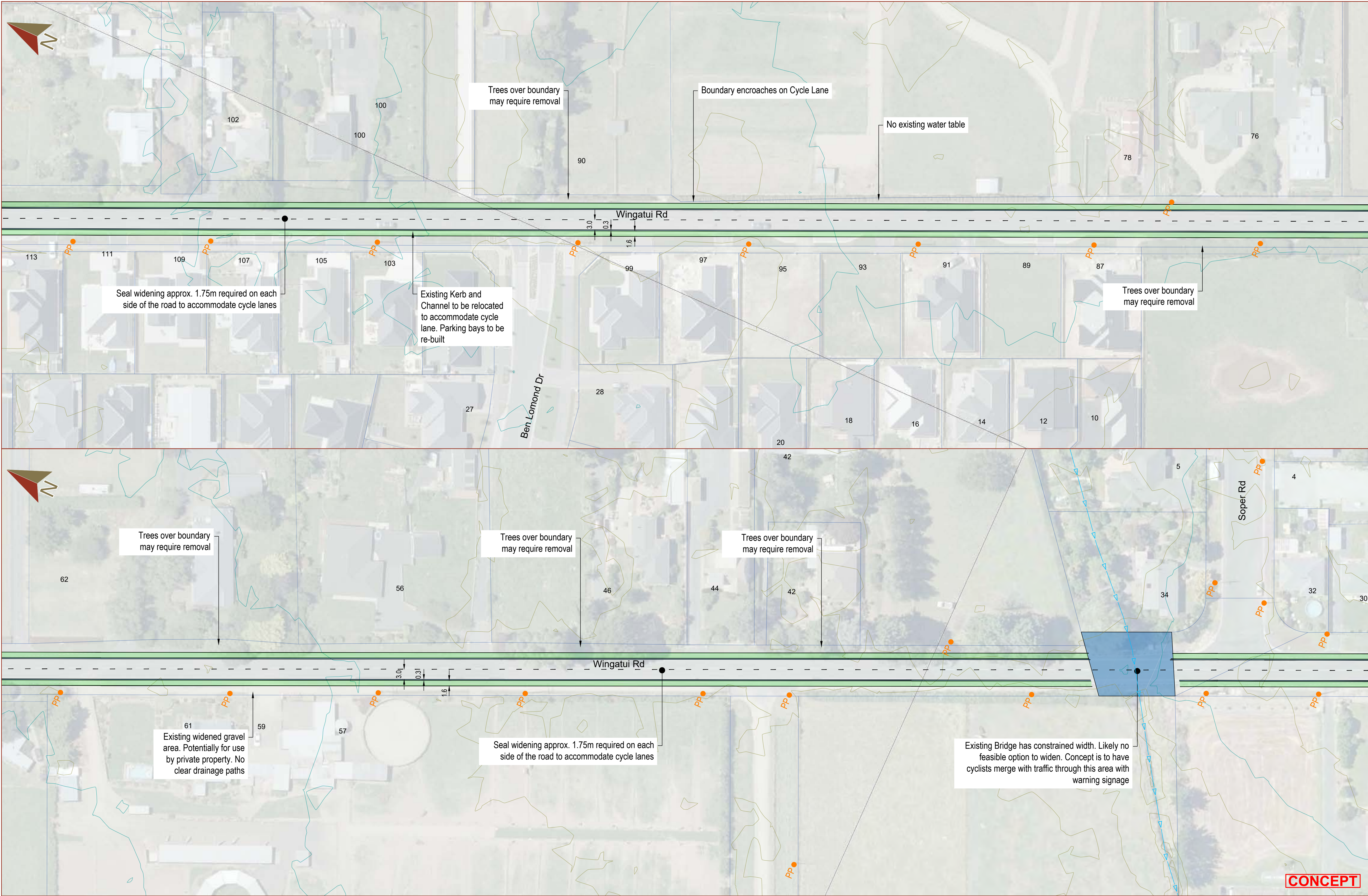
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DESIGN CHECK:	PGO	15/02/2021	REV.	A
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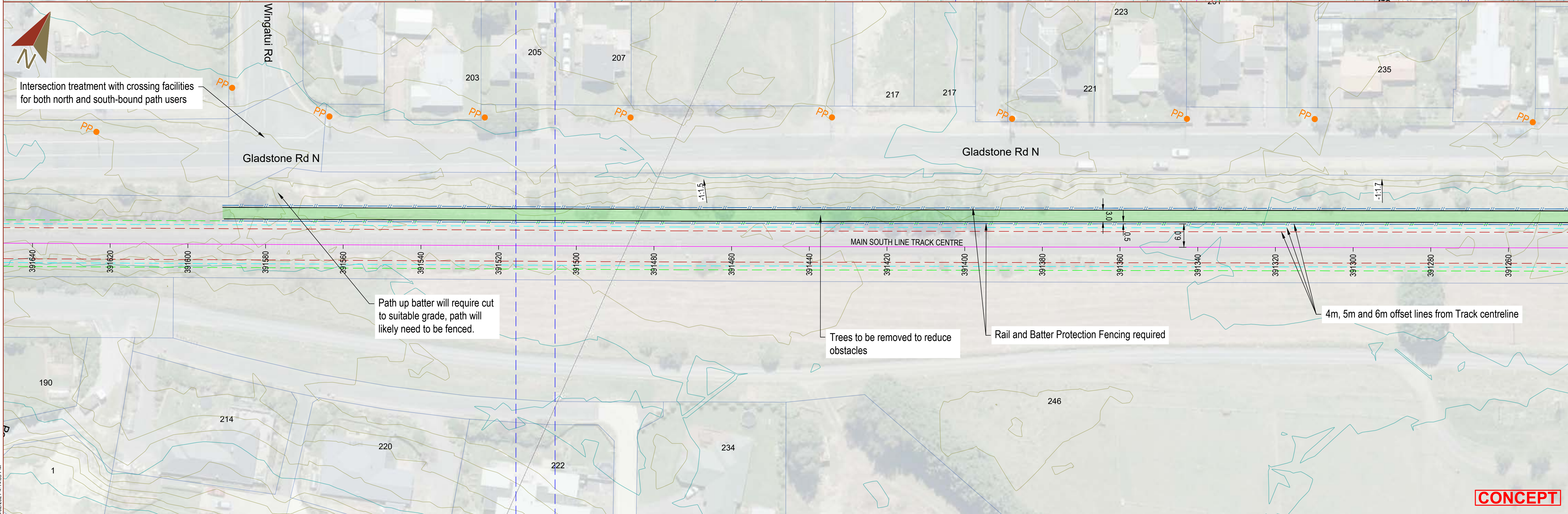
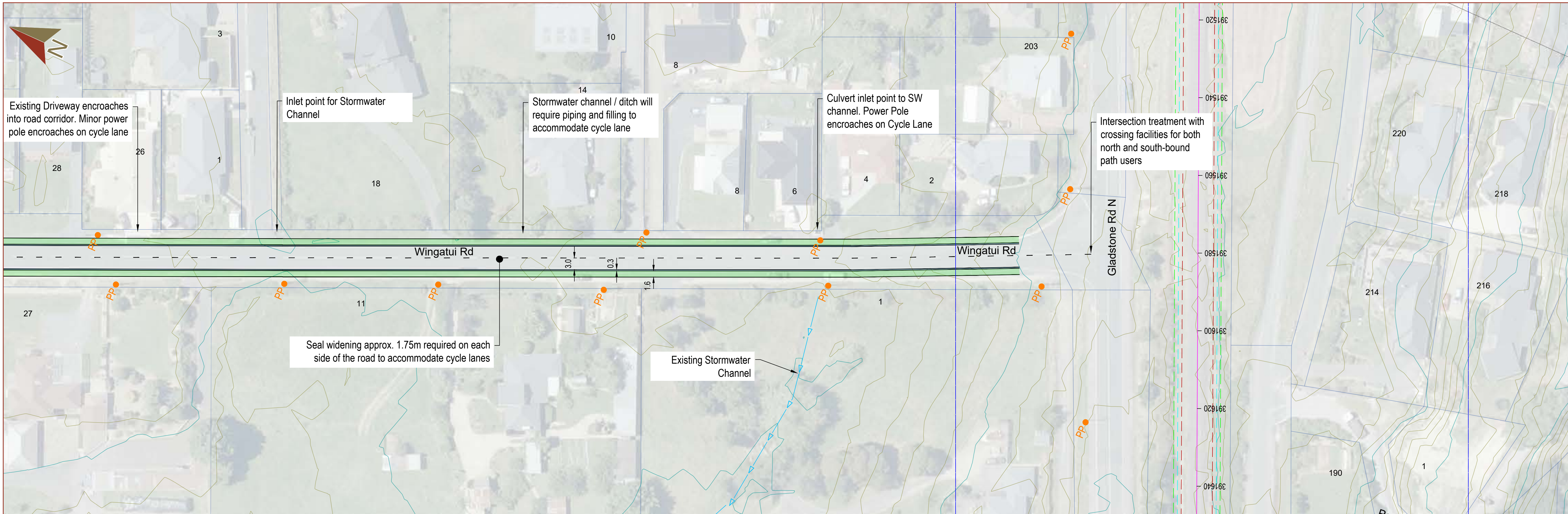
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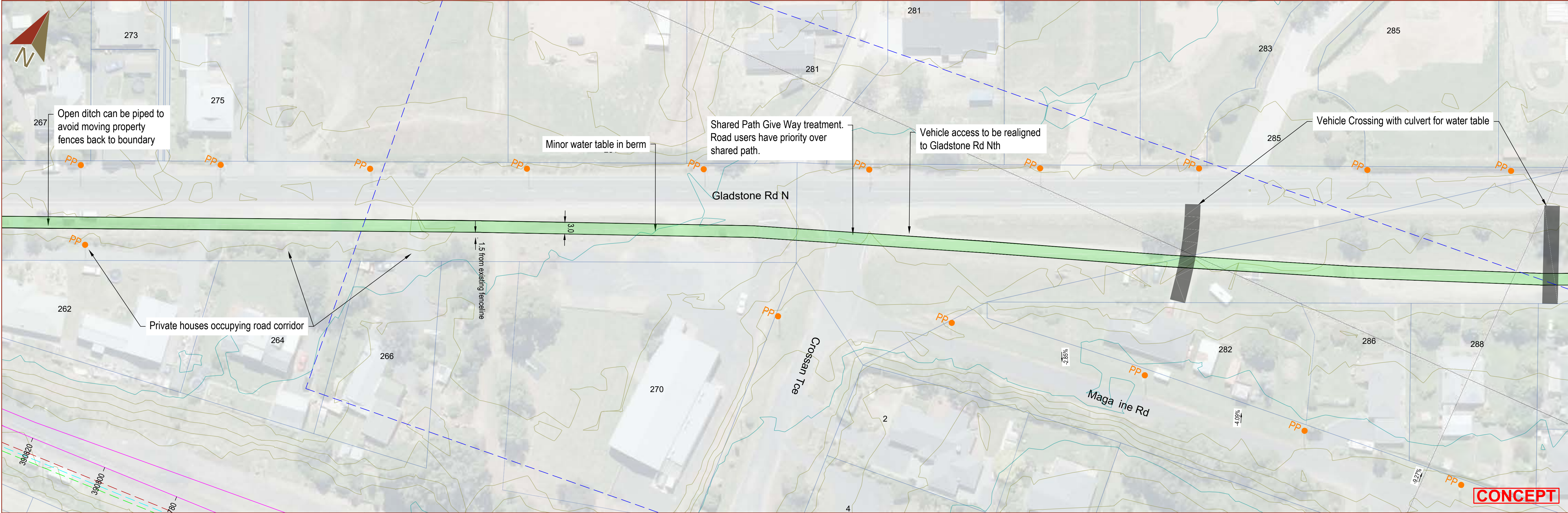
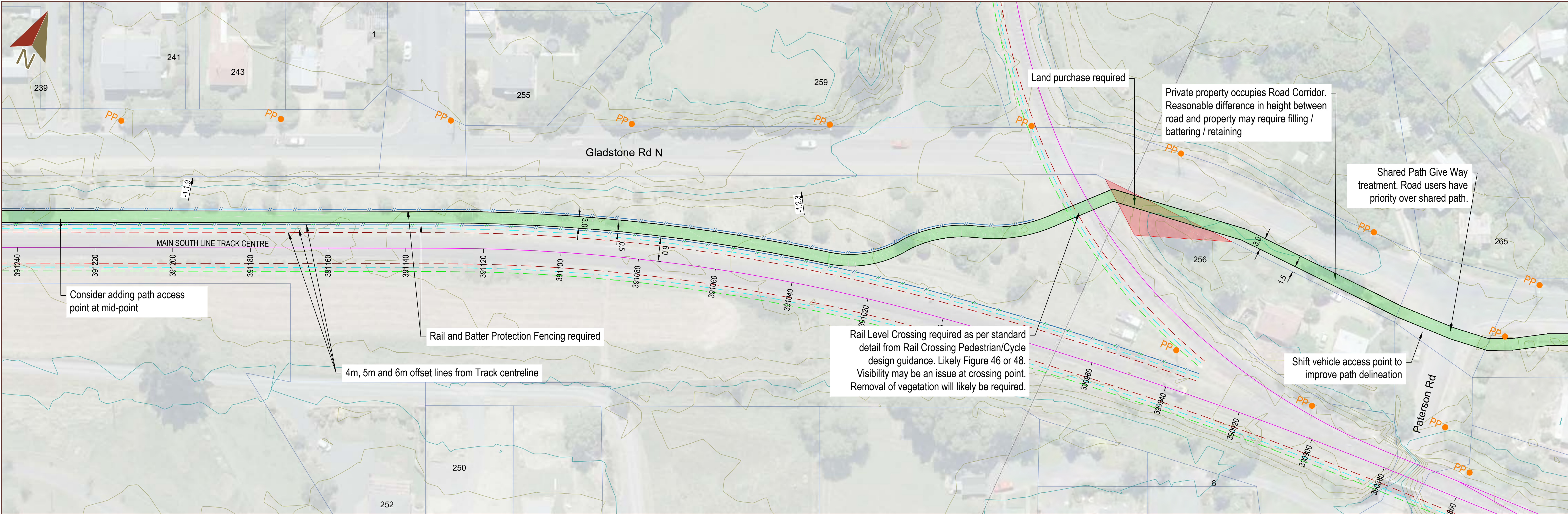
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DUNEDIN TUNNELS TRAIL (CYT) - CONCEPT

PROJECT:

SECTION 1 - ROUTE OPTION A - GLADSTONE 02

SHEET TITLE:

SECTION 1 - ROUTE OPTION A - GLADSTONE 02

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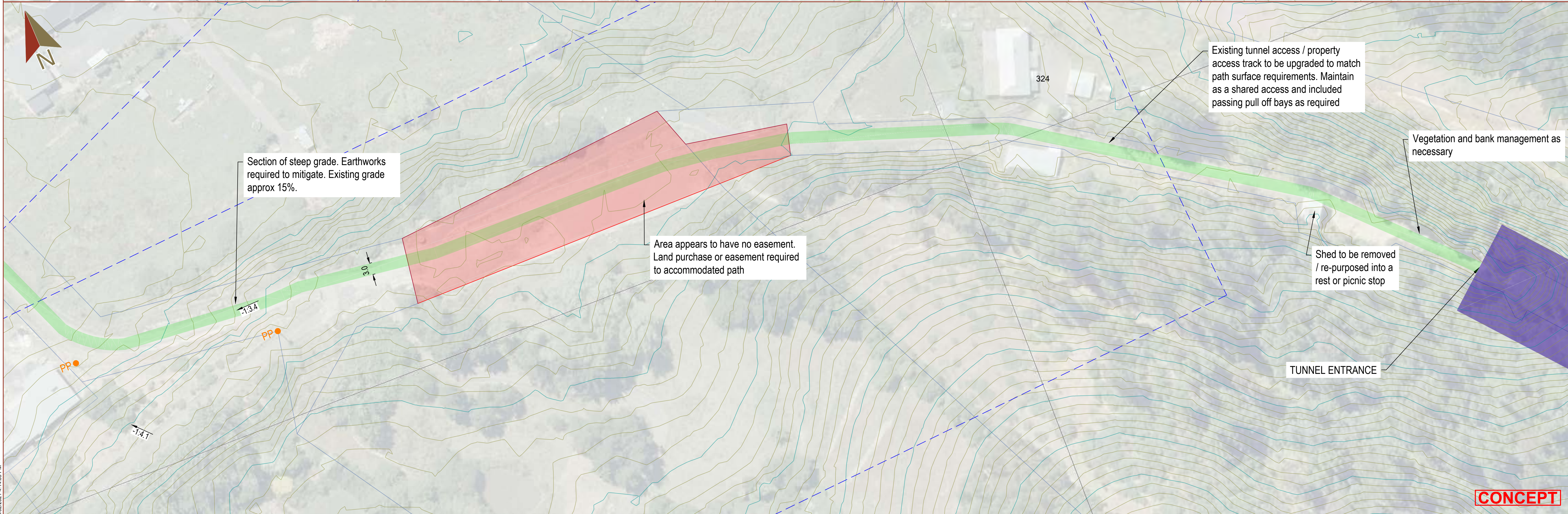
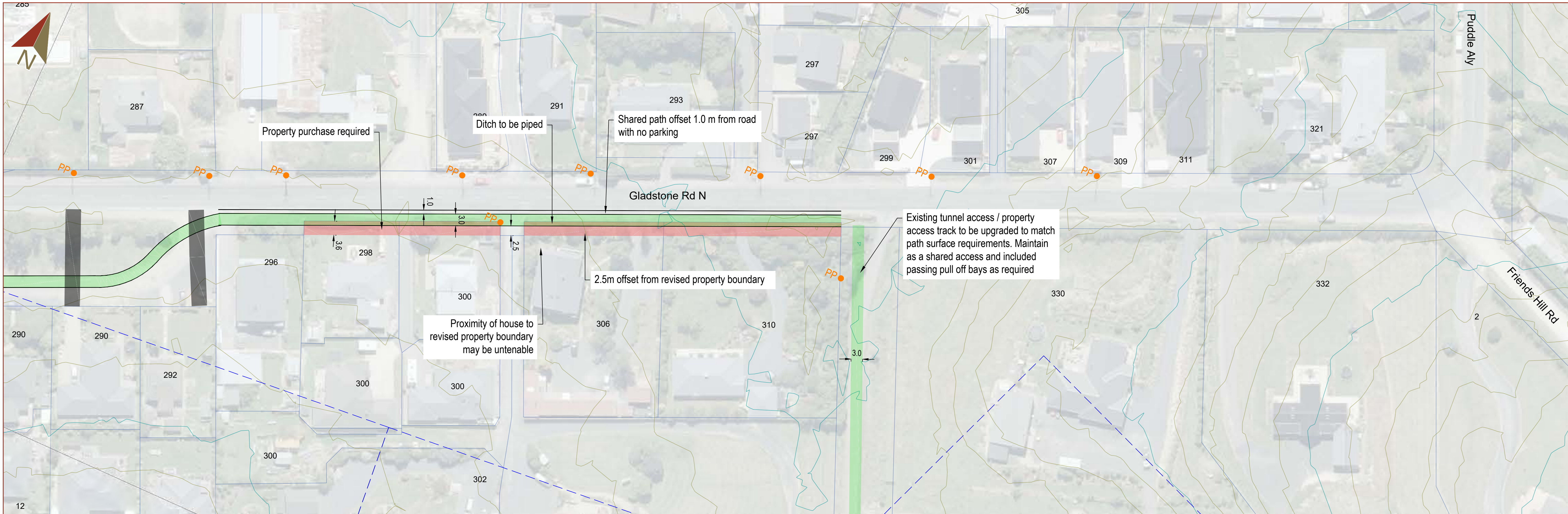
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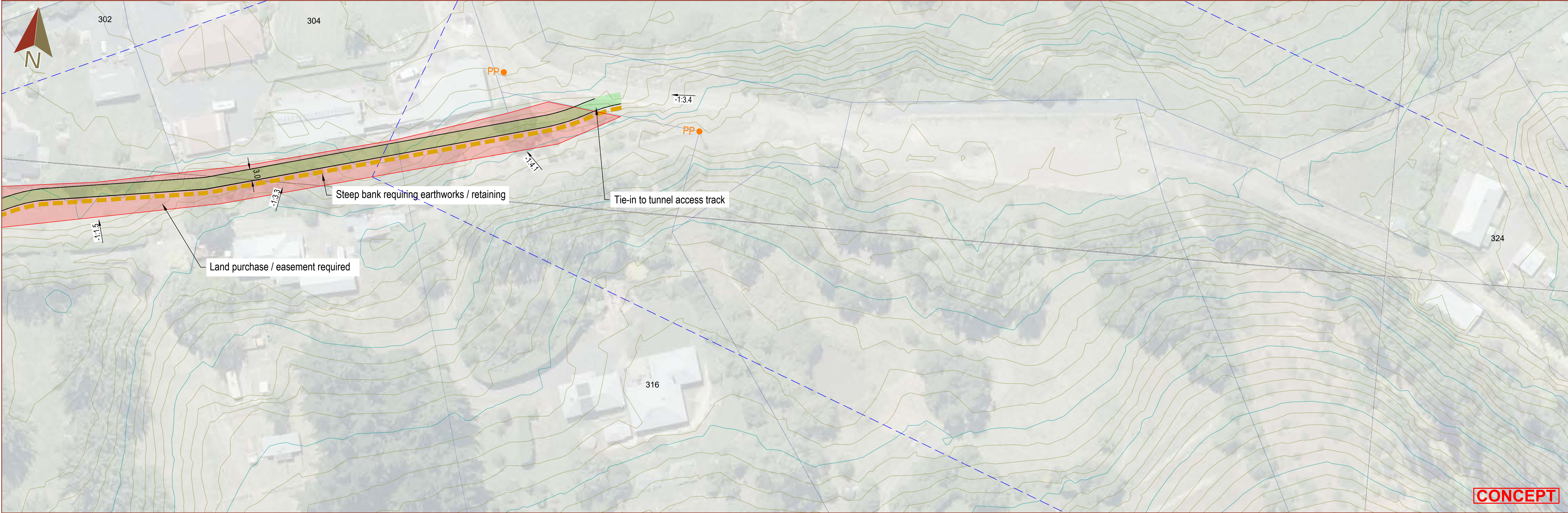
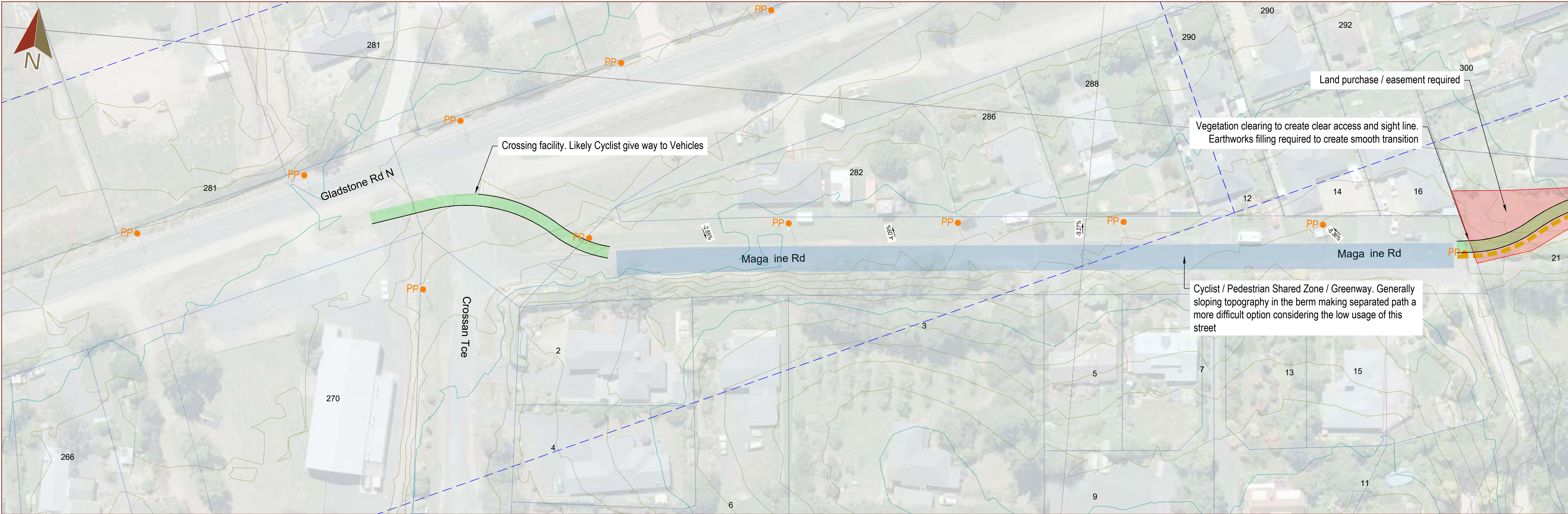
CLIENT: DUNEDIN CITY COUNCIL

PROJECT: DUNEDIN TUNNELS TRAIL (CYT) - CONCEPT

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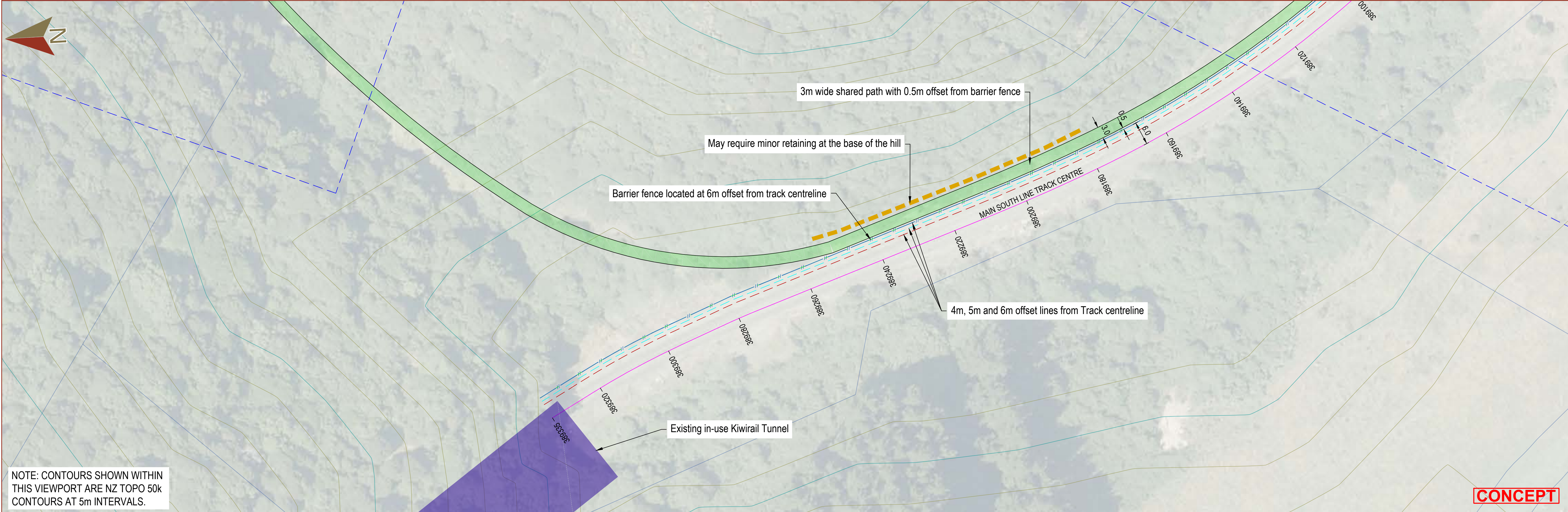
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SHEET	9 of 25
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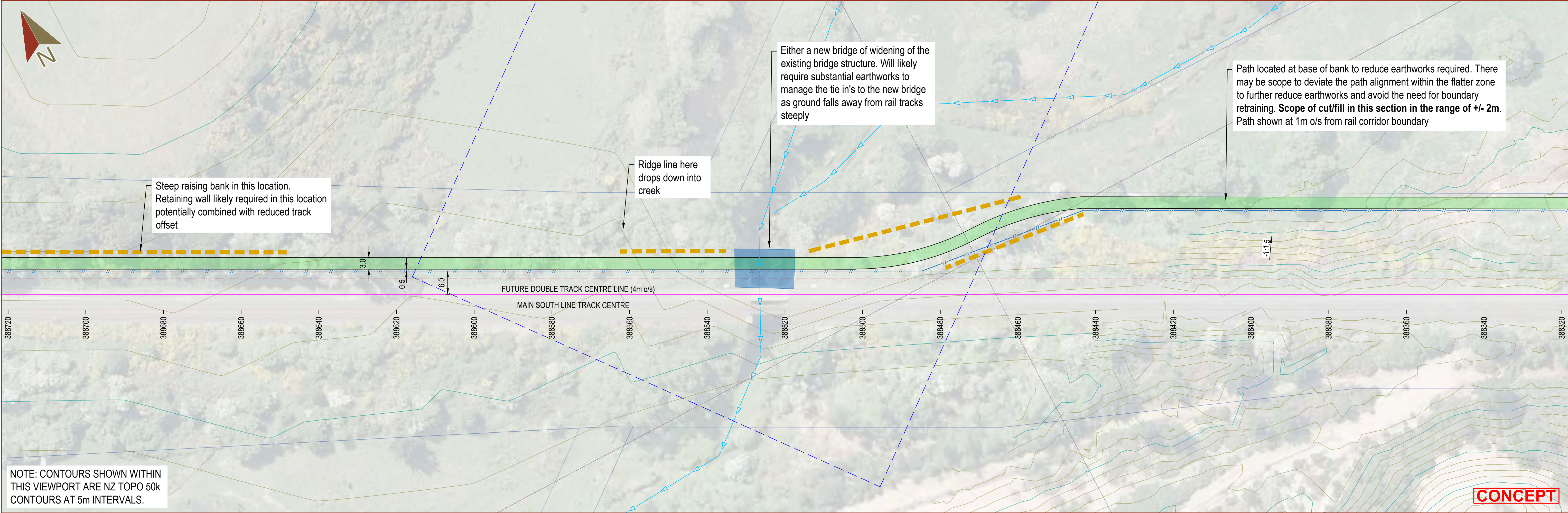
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									T 03 218 2546 F 03 214 4285 FP 0800 802 546 19 The Crescent, P.O. Box 1262, Invercargill 9840 E admin@bonisch.nz W www.bonisch.nz	 kaunihera a-rohe o ōtepoti	DUNEDIN TUNNELS TRAIL (CYT) - CONCEPT	SECTION 1 - ROUTE OPTION D - MAGAZINE RD	DESIGN CHECK: <td>PGO</td> <td>15/02/2021</td> <td>JOB NO<td>7332</td><td>SHEET</td><td>10 of 25</td><td>REV</td><td>A</td></td>	PGO	15/02/2021	JOB NO <td>7332</td> <td>SHEET</td> <td>10 of 25</td> <td>REV</td> <td>A</td>	7332	SHEET	10 of 25	REV	A
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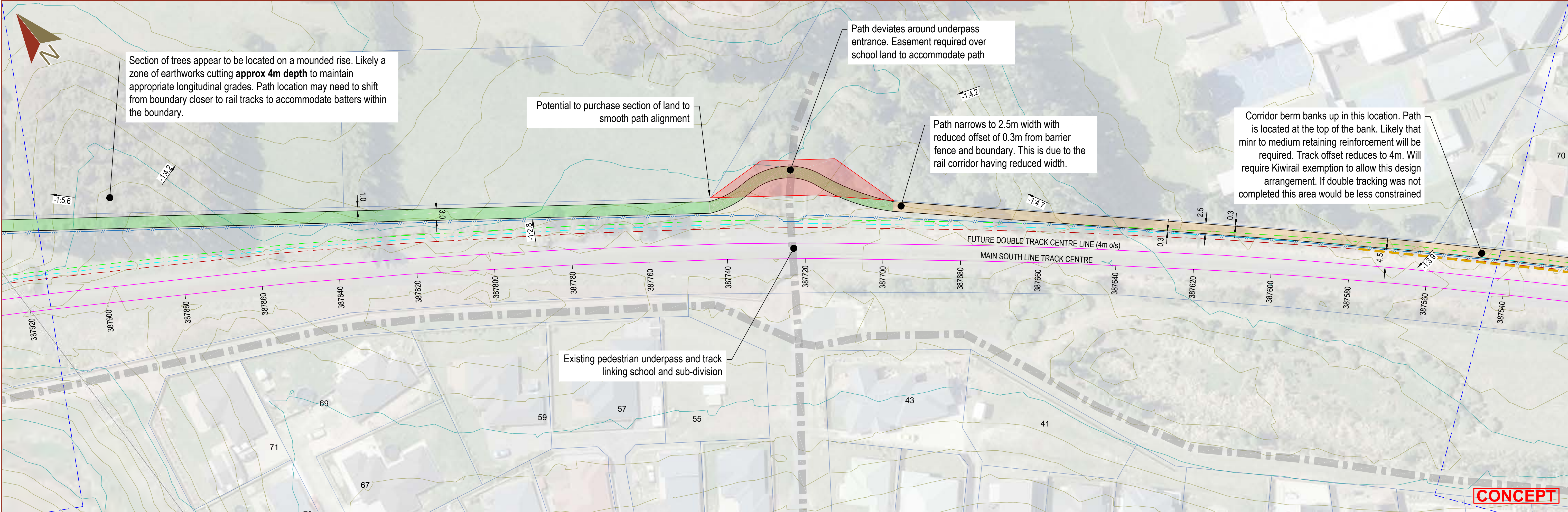
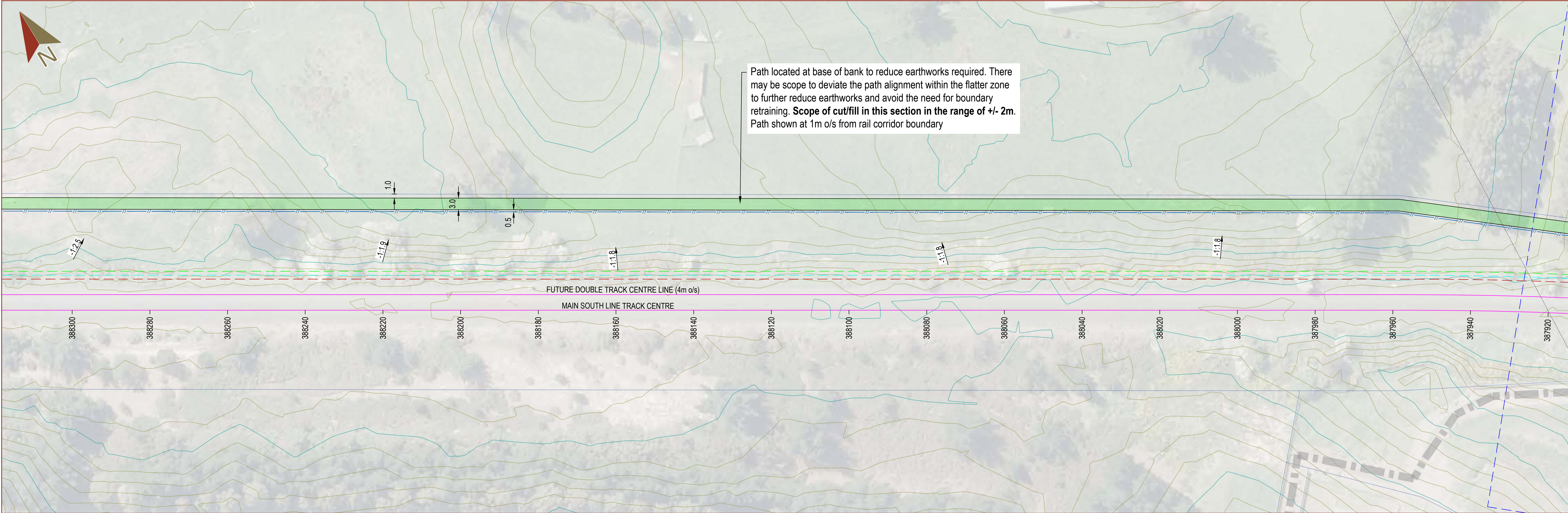


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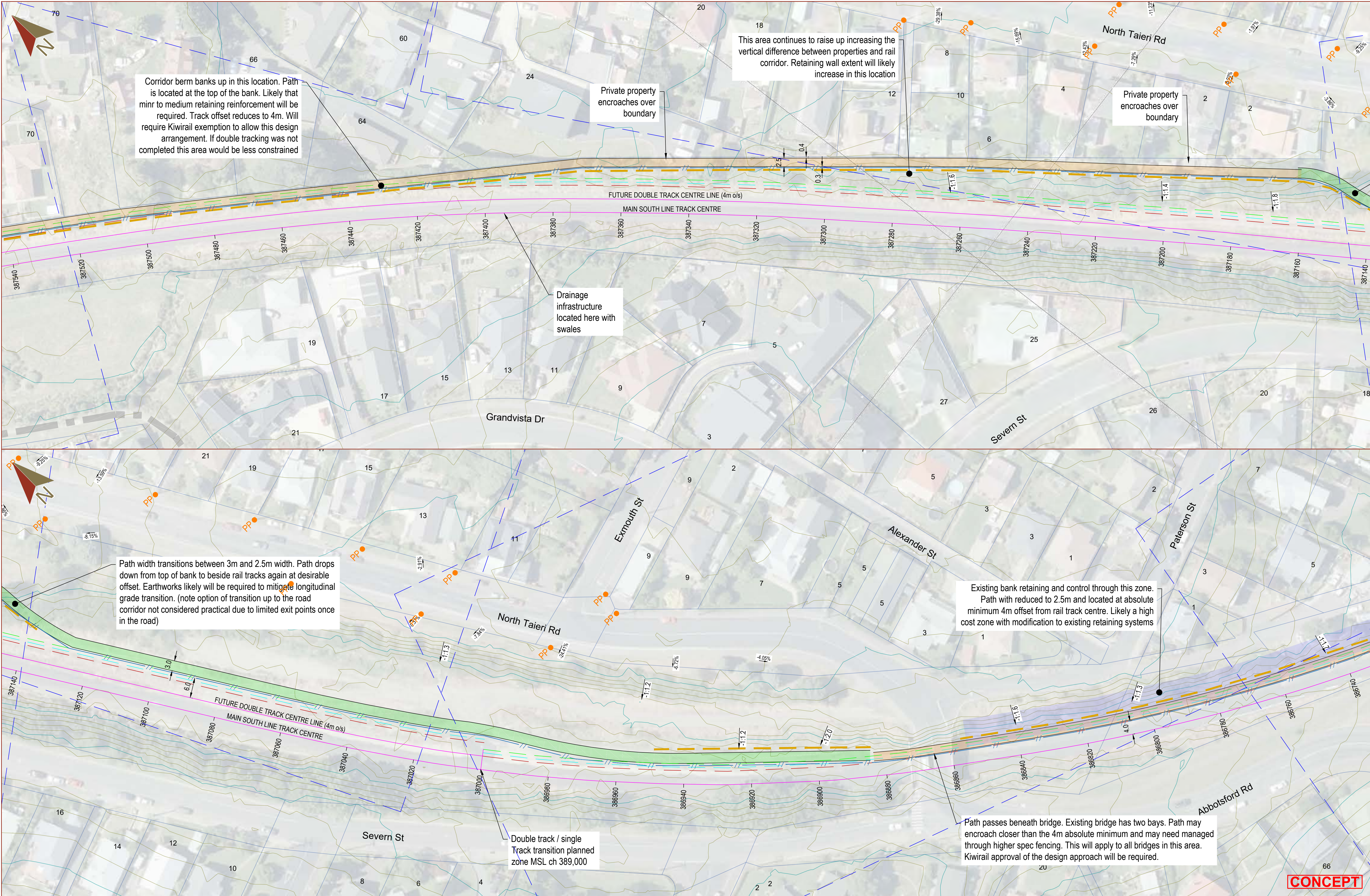
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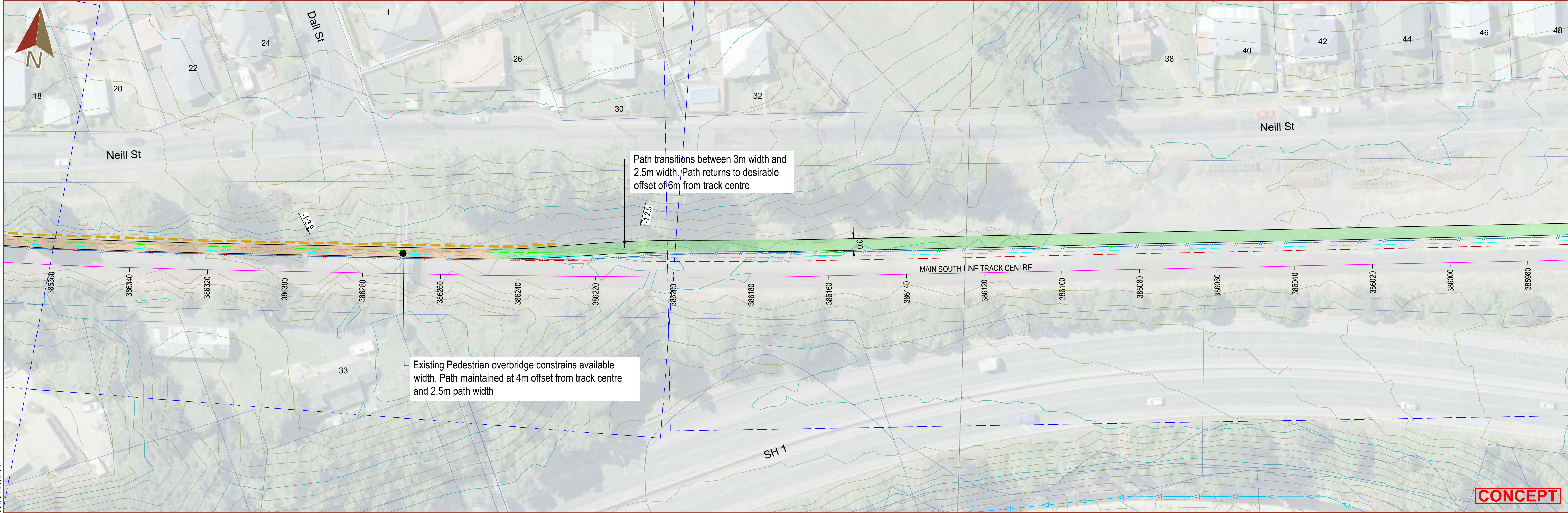
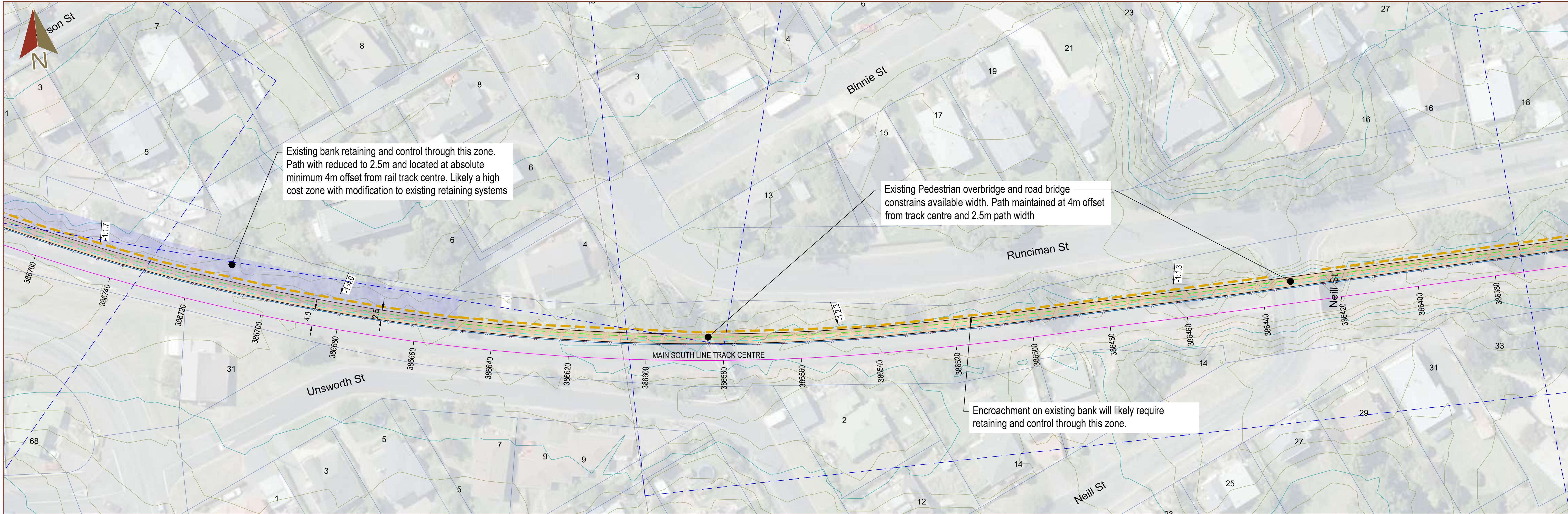
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DUNEDIN TUNNELS TRAIL (CYT) - CONCEPT

SECTION 2 - ROUTE OPTION A - RAIL CORRIDOR 04

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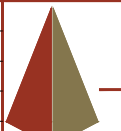
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REVISION DETAILS				
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PROJECT:

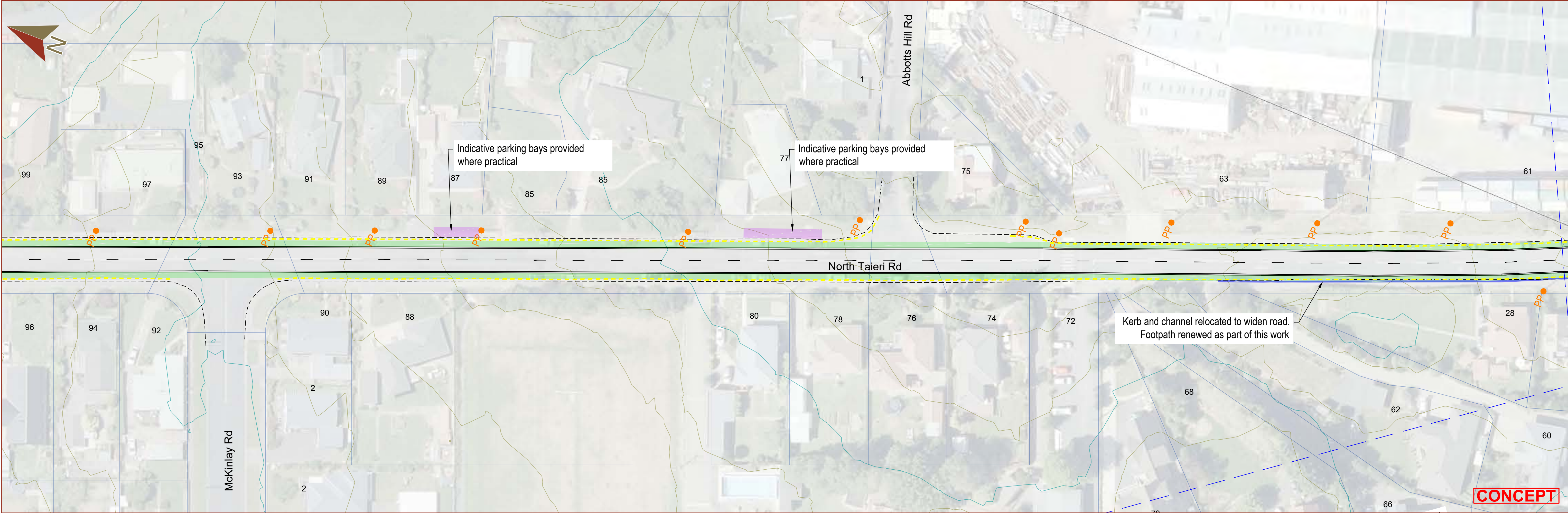
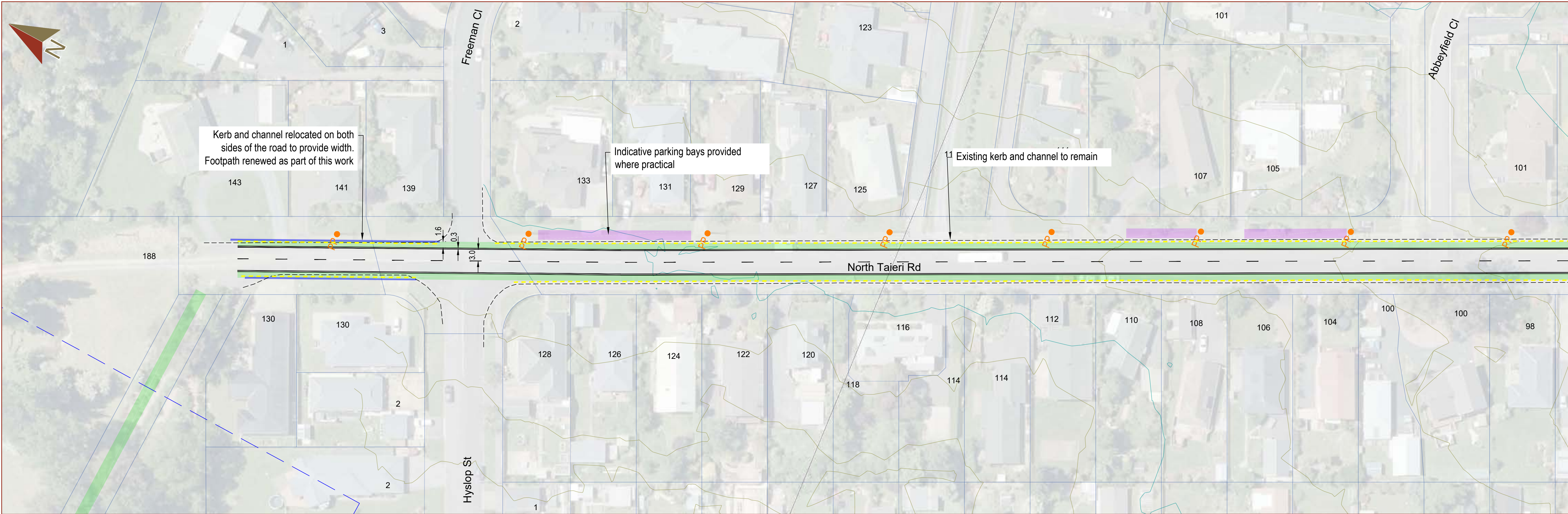
DUNEDIN TUNNELS TRAIL (CYT) - CONCEPT

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**SECTION 2 - ROUTE OPTION B -
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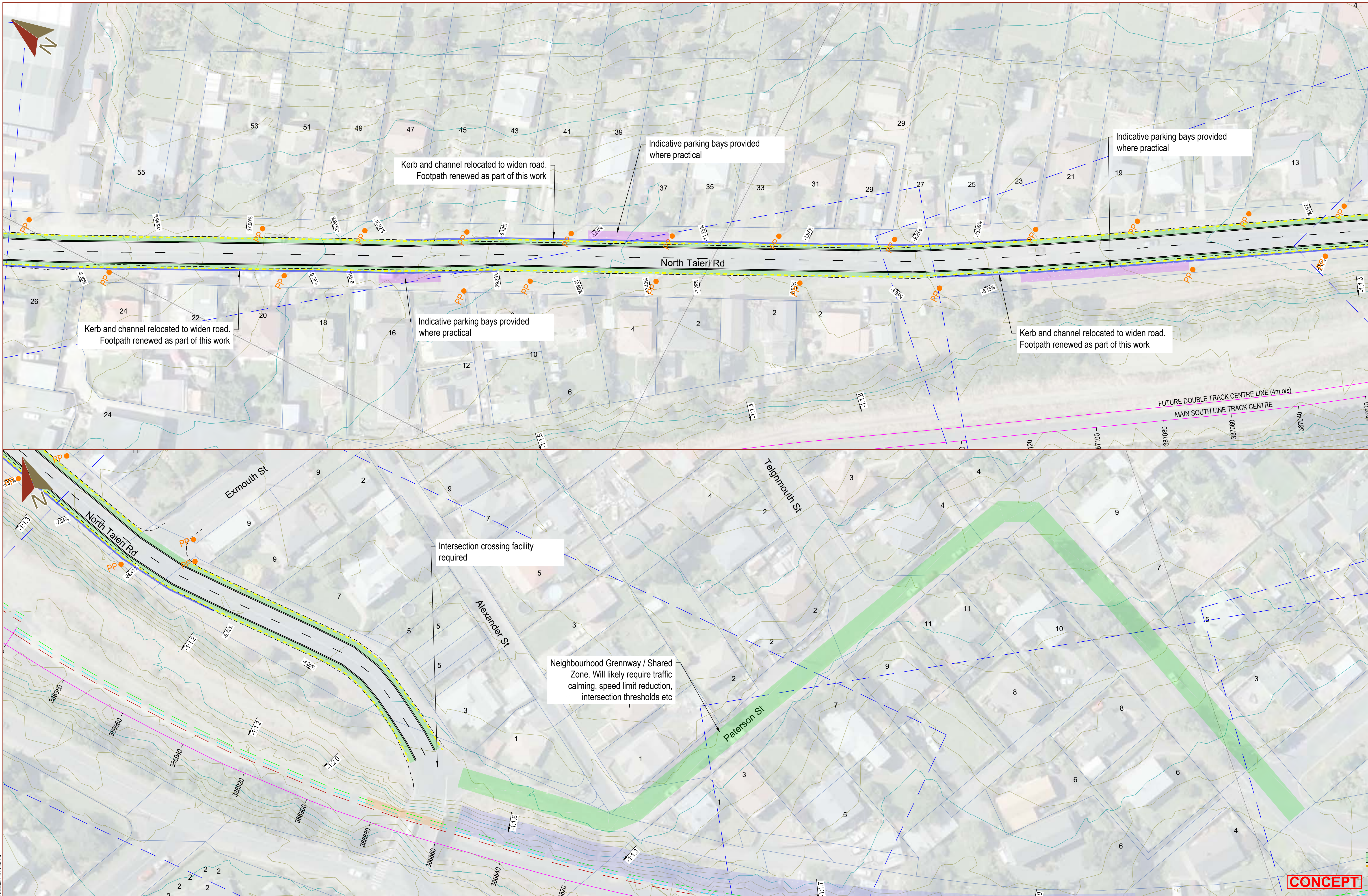
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CONCEPT

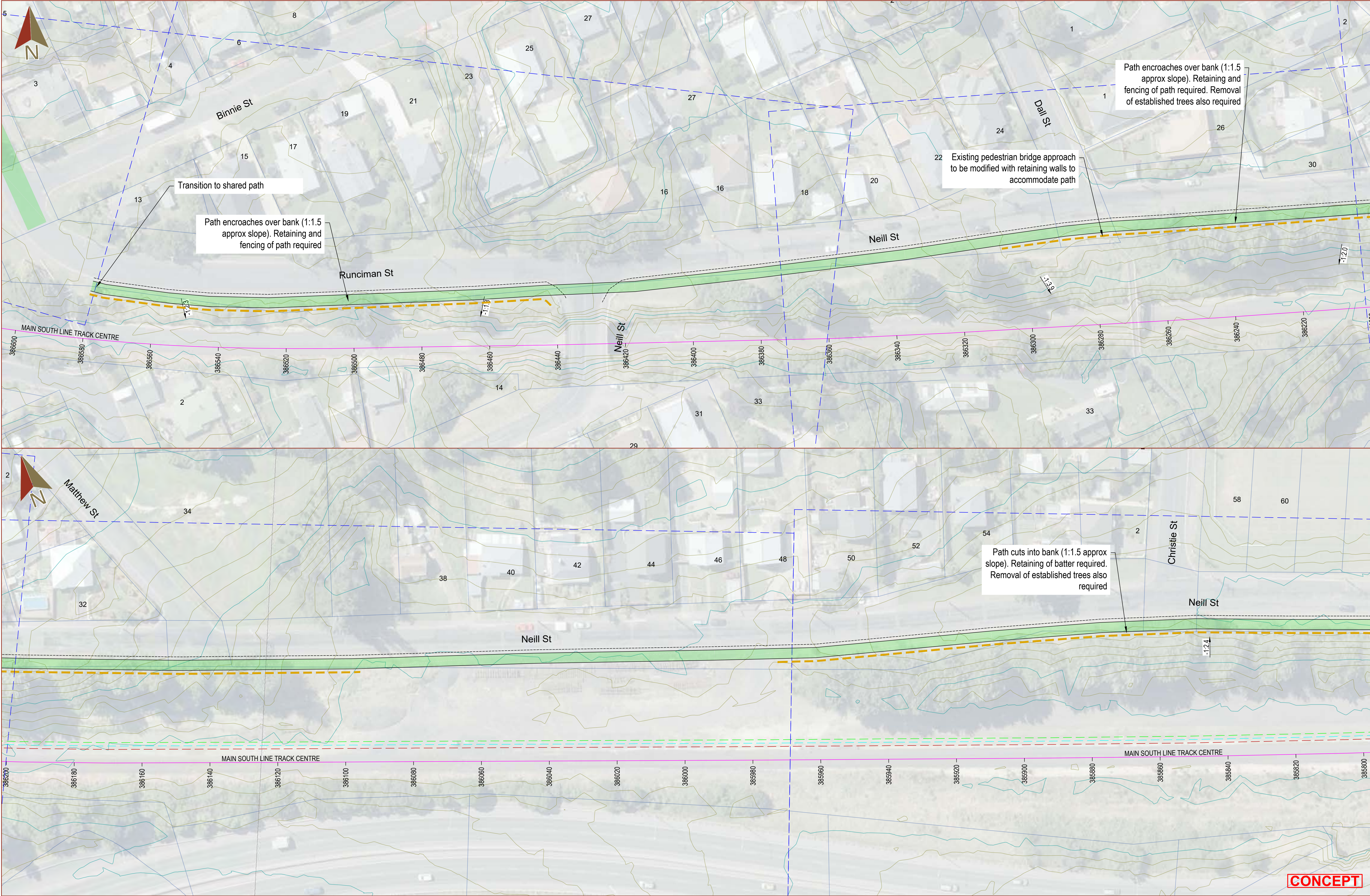
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CONCEPT

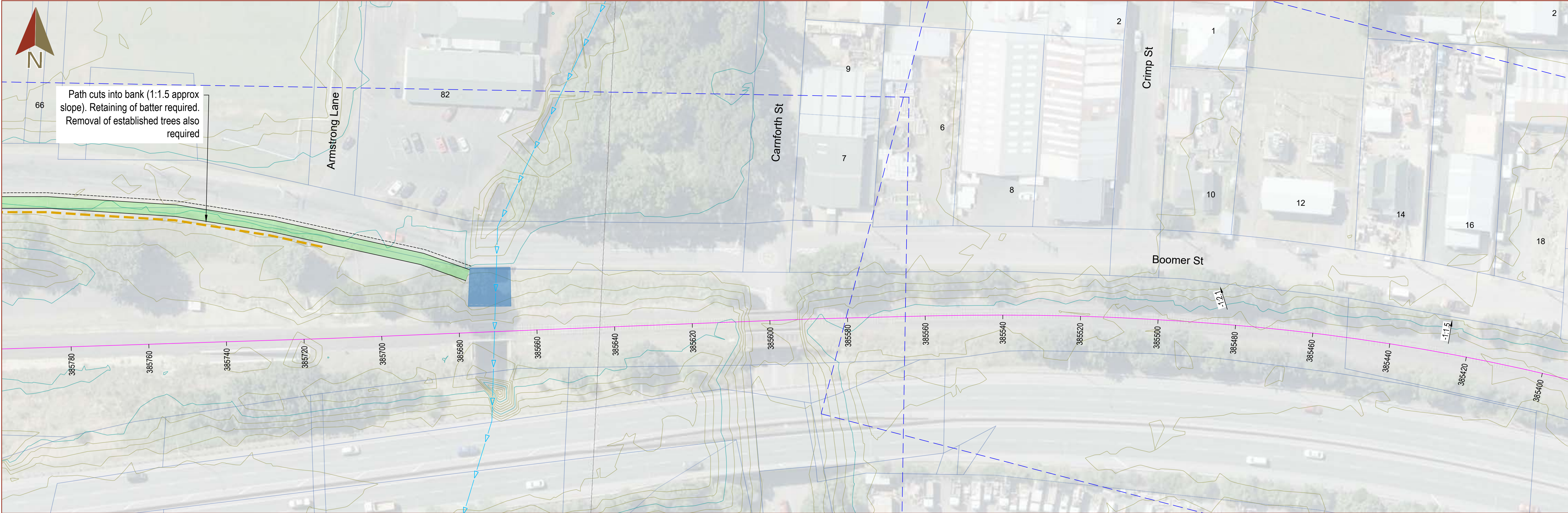
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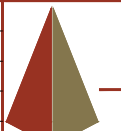
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CONCEPT

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CLIENT:



DUNEDIN
CITY COUNCIL

kaunihera
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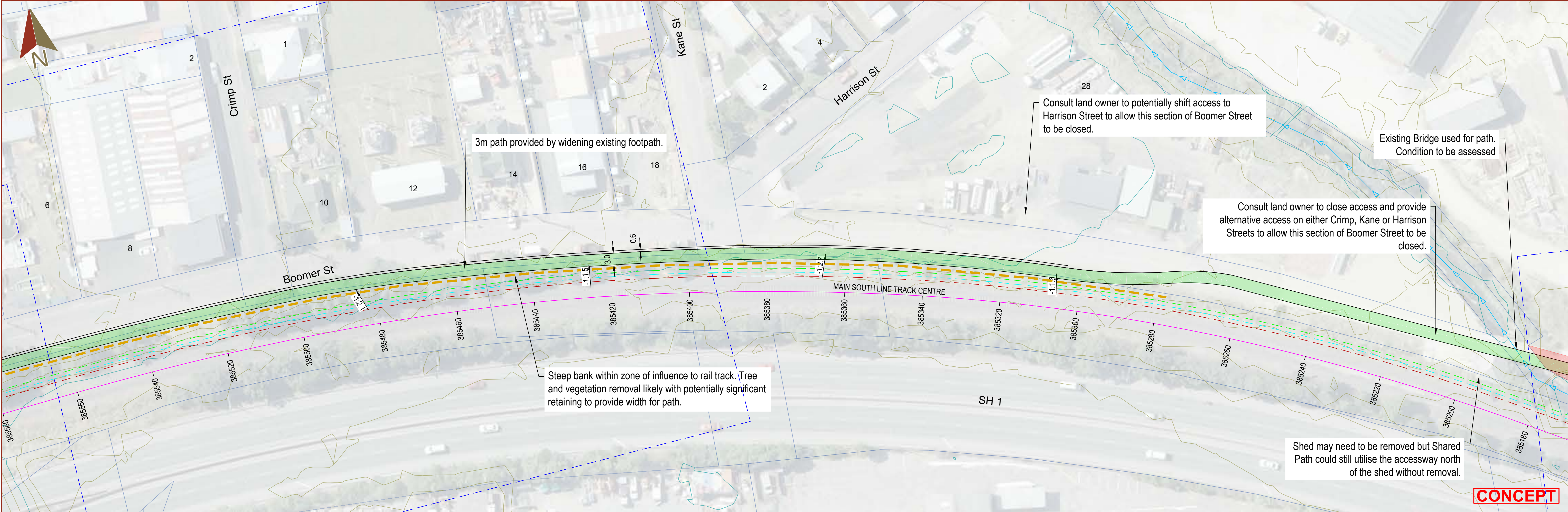
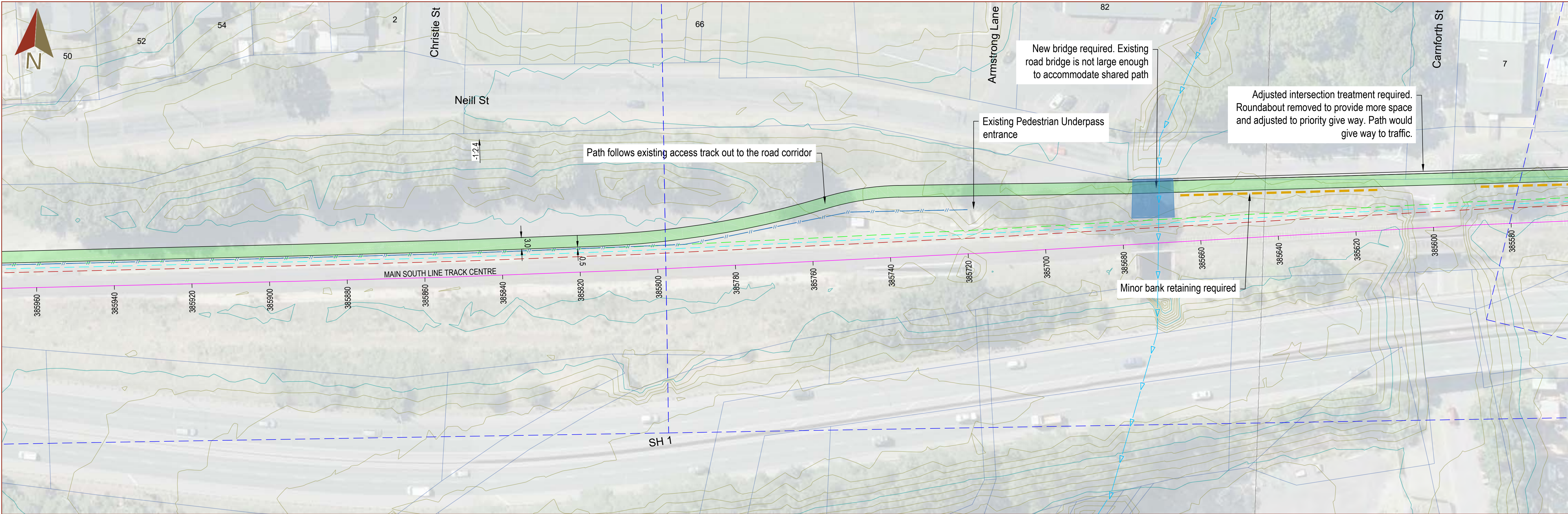
DUNEDIN TUNNELS TRAIL (CYT) - CONCEPT

SHEET TITLE:

**SECTION 2 - ROUTE OPTION B -
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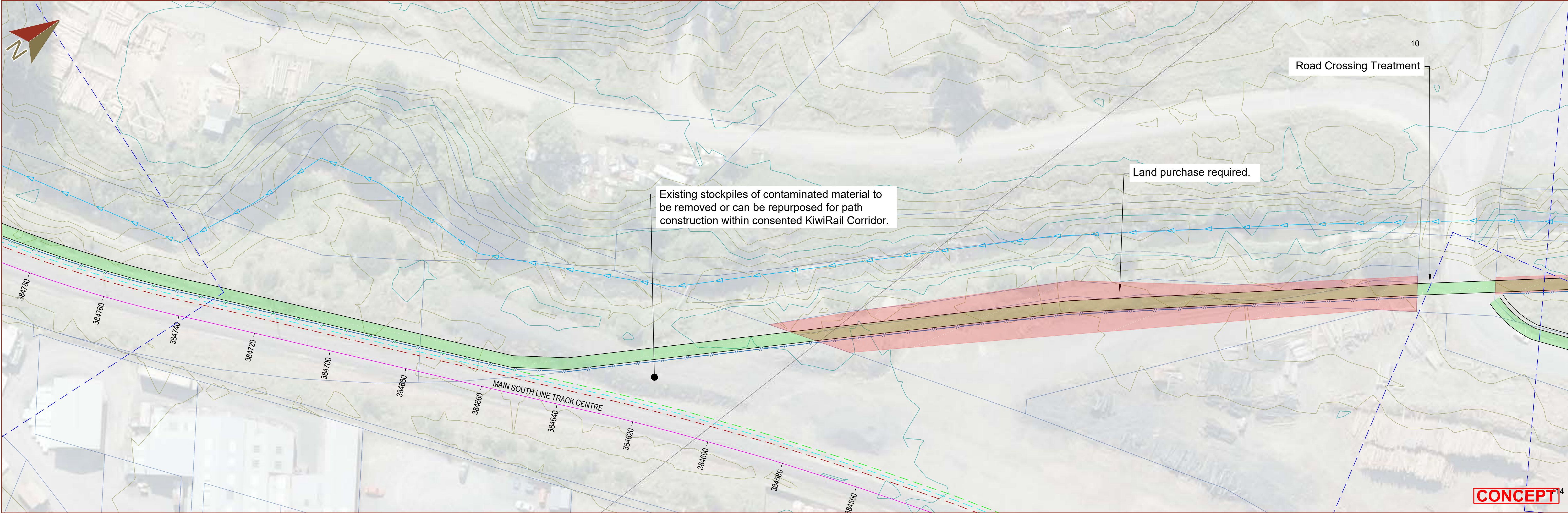
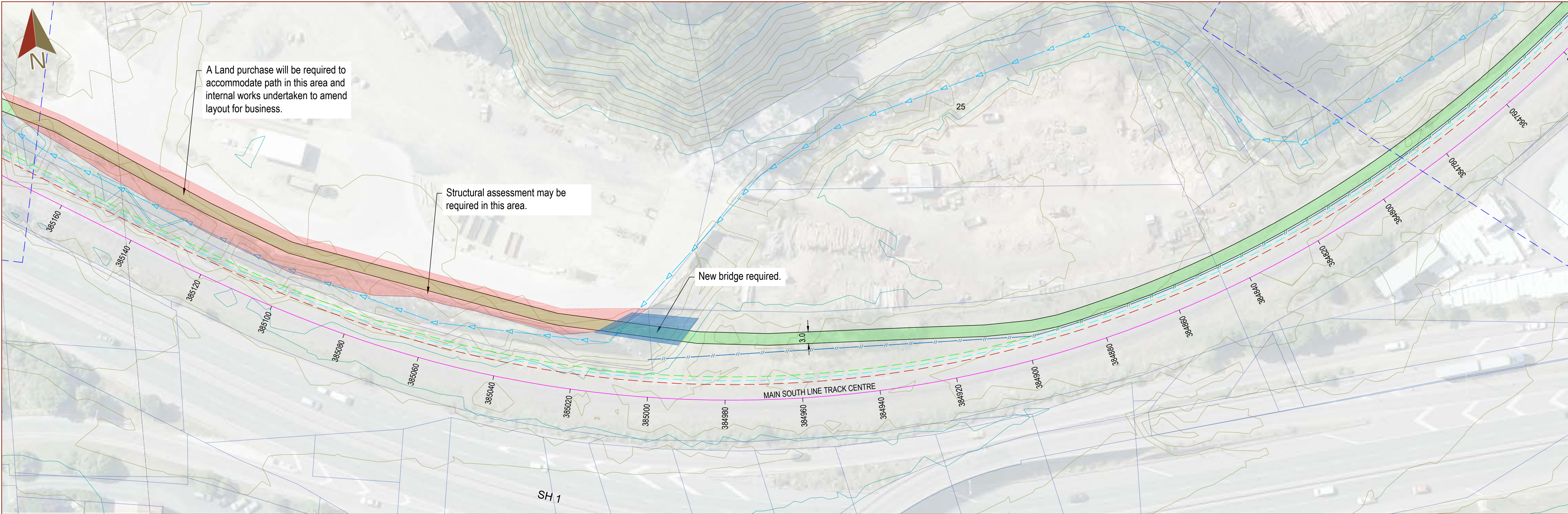
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CONCEPT

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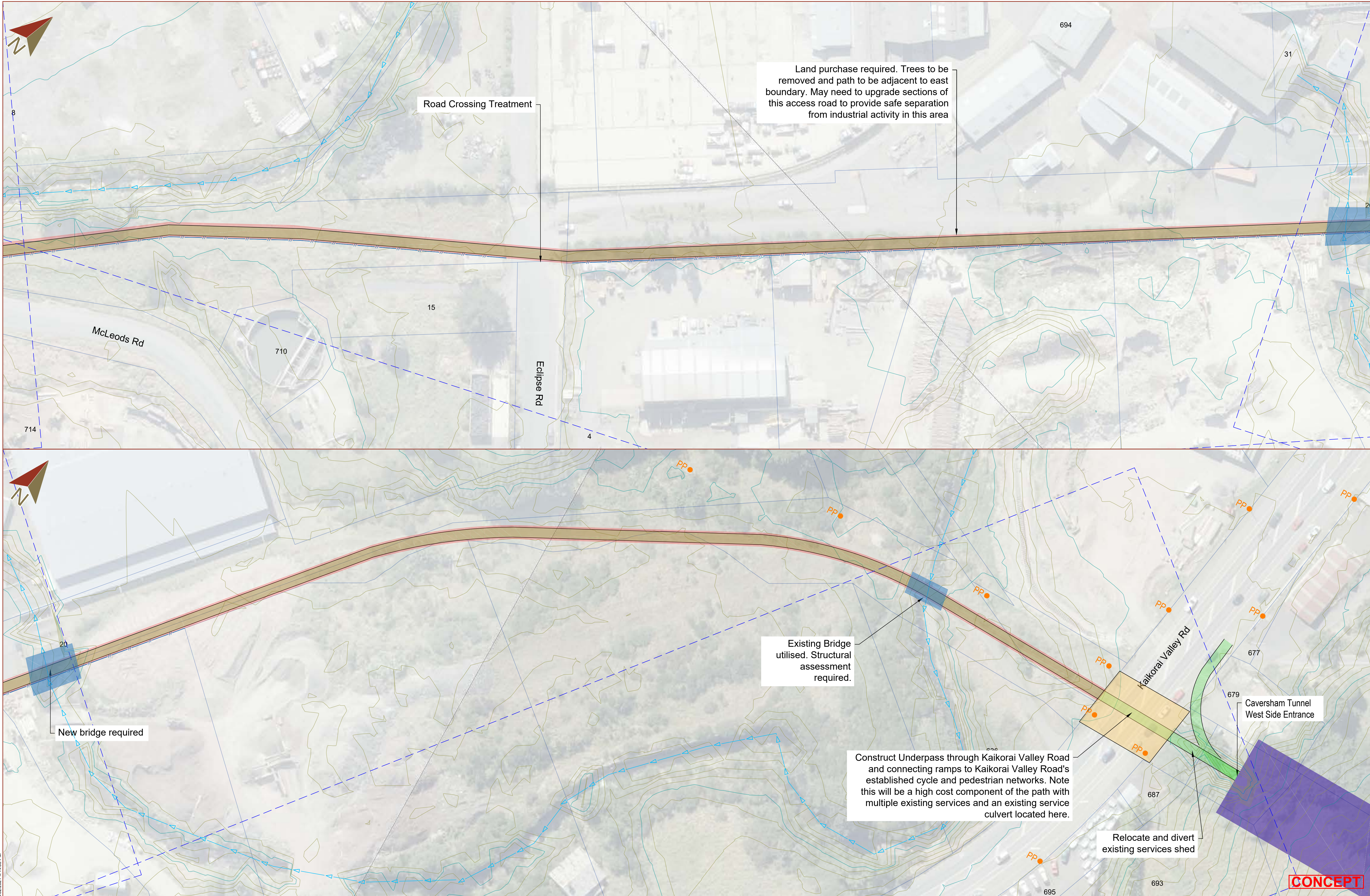
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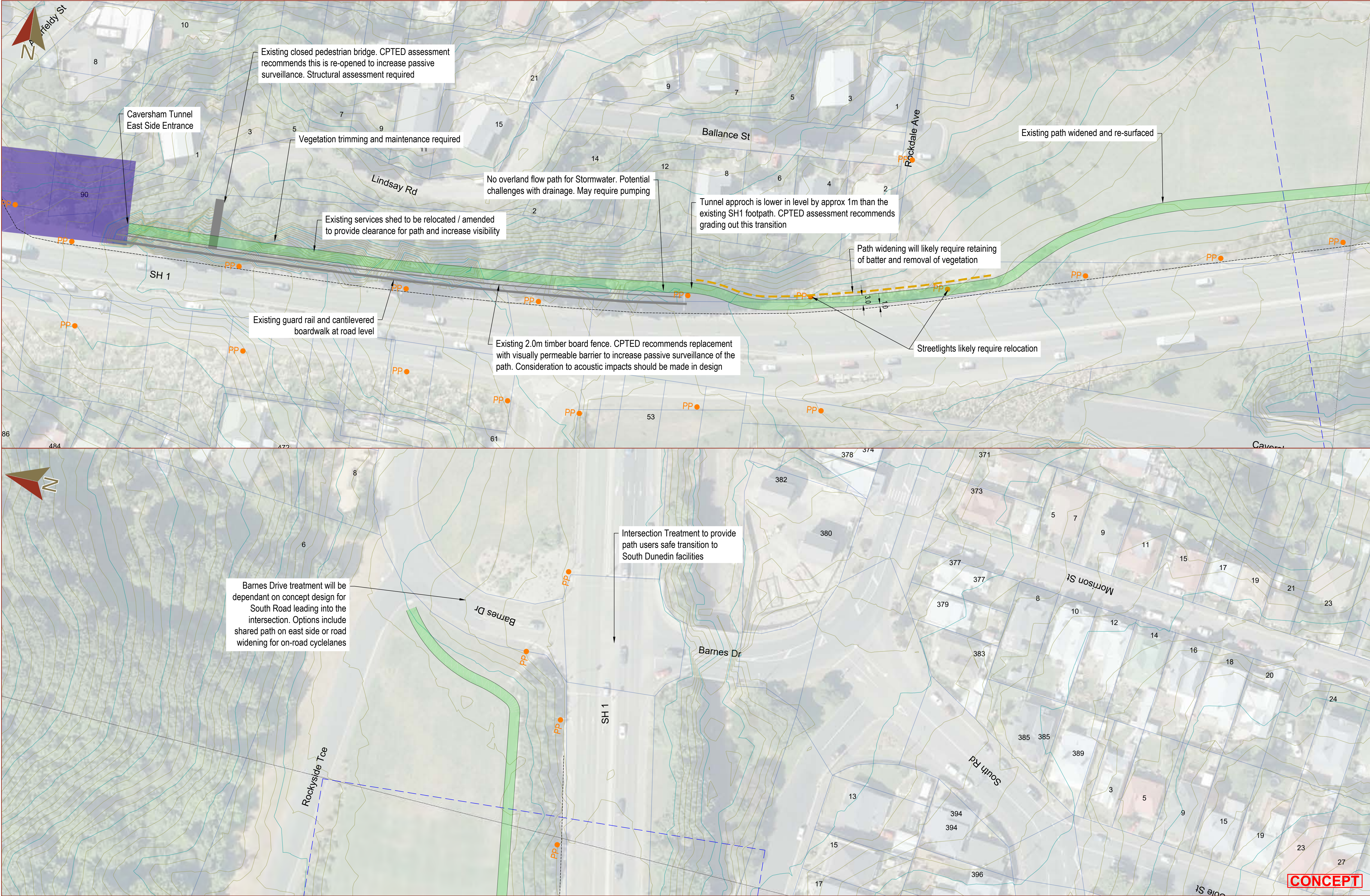
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REV		REVISION DETAILS					DRN	CHK	APP	DATE	 bonisch consultants T 03 218 2546 F 03 214 4285 FP 0800 802 546 19 The Crescent, P.O. Box 1262, Invercargill 9840 E admin@bonisch.nz W www.bonisch.nz	CLIENT:		 DUNEDIN CITY COUNCIL kaunihera a-rohe o ōtepoti	PROJECT:		DUNEDIN TUNNELS TRAIL (CYT) - CONCEPT	SHEET TITLE:		SECTION 3 - ROUTE OPTION A - PRIVATE PROPERTY	SURVEYED:				SCALE (ORIGINAL SIZE A1)		1:500	
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bonisch consultants		DUNEDIN CITY COUNCIL		kaunihera a-rohe o ōtepoti	
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