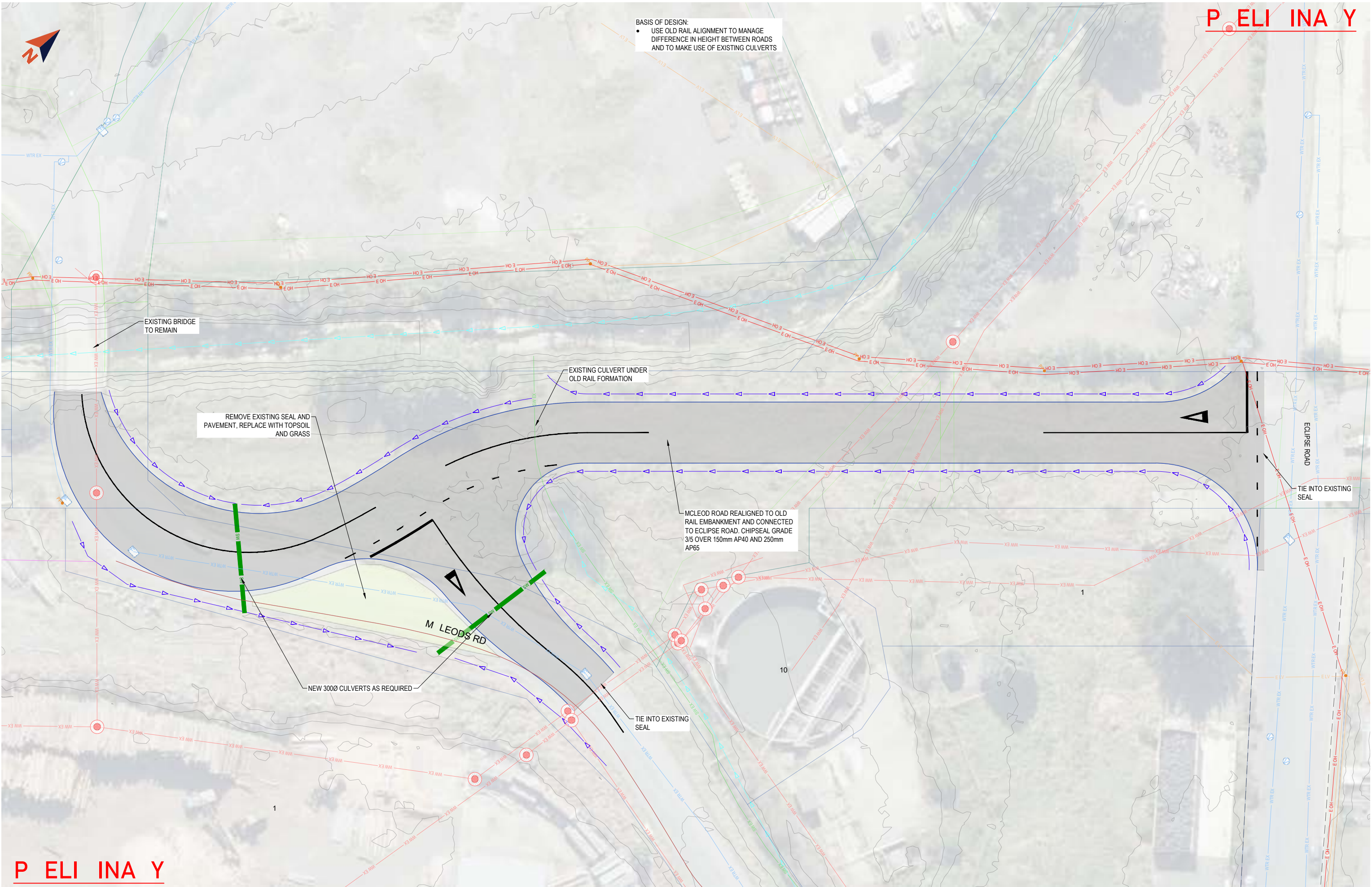
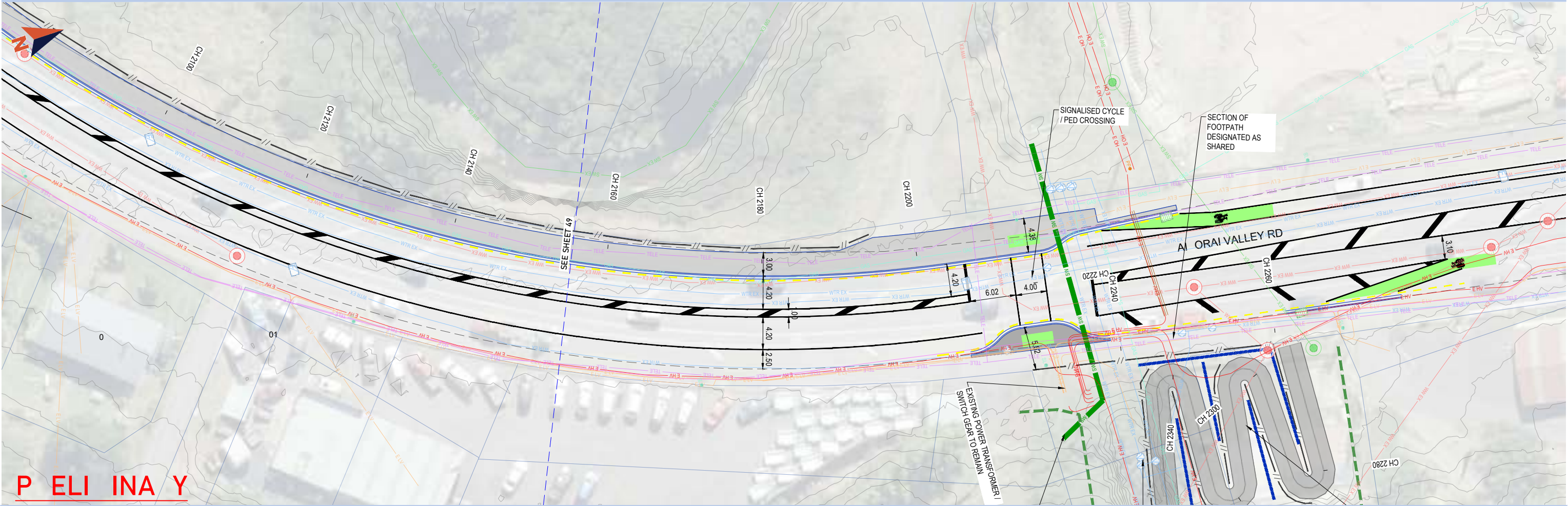
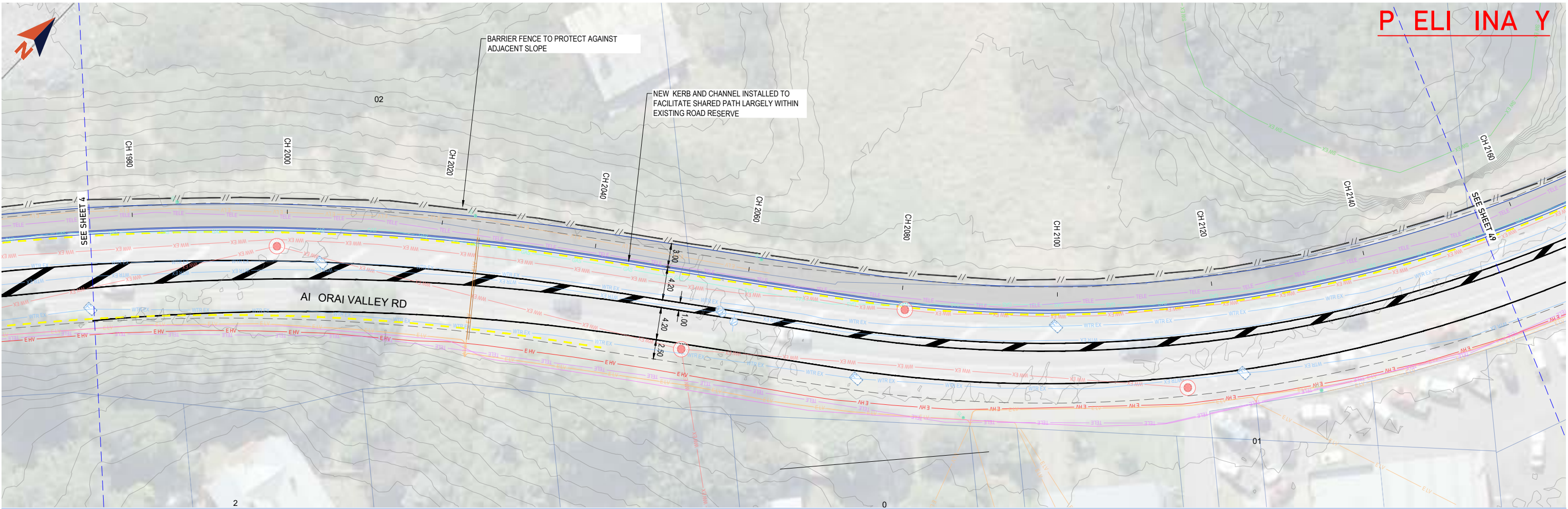
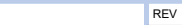
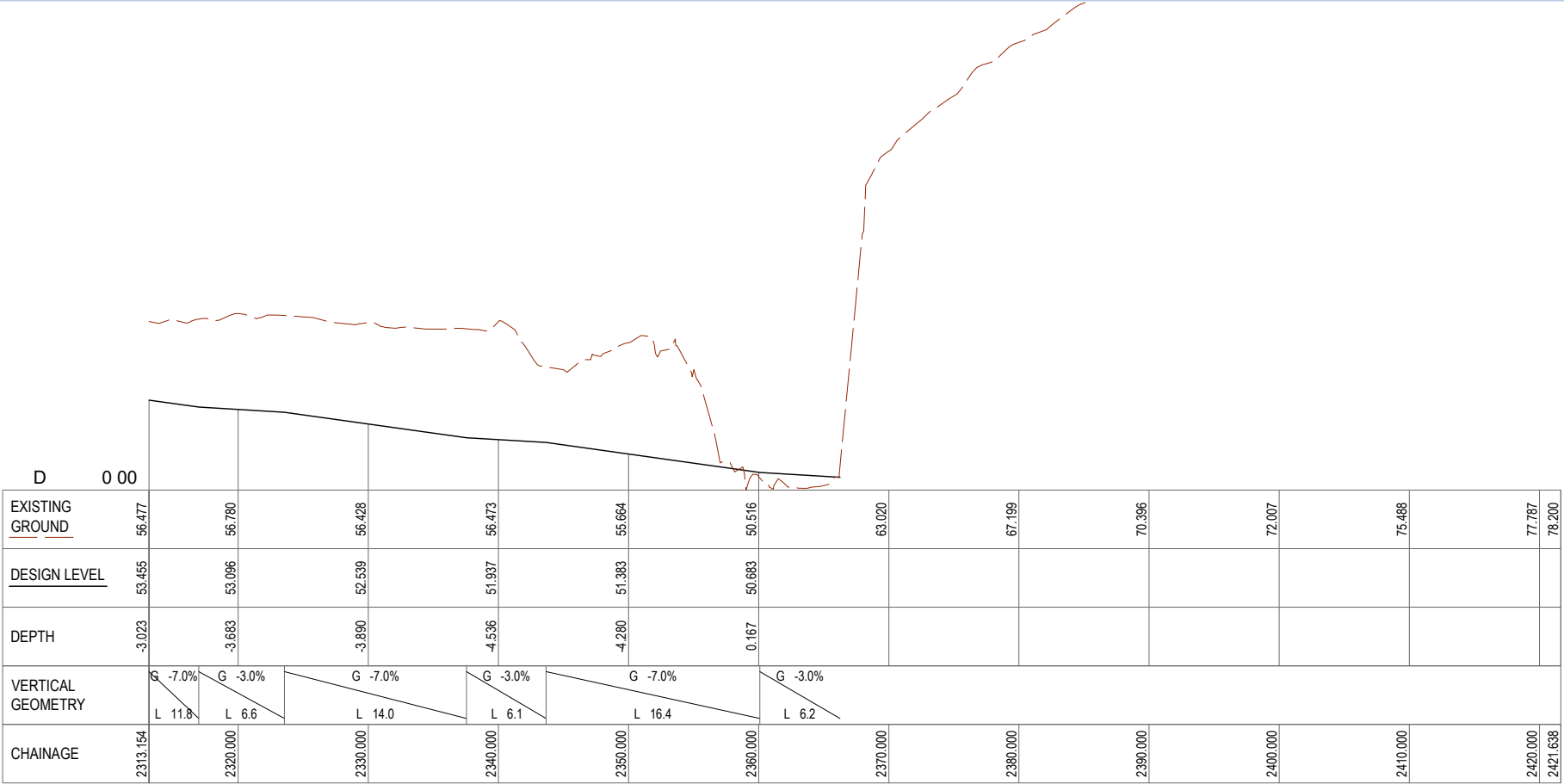
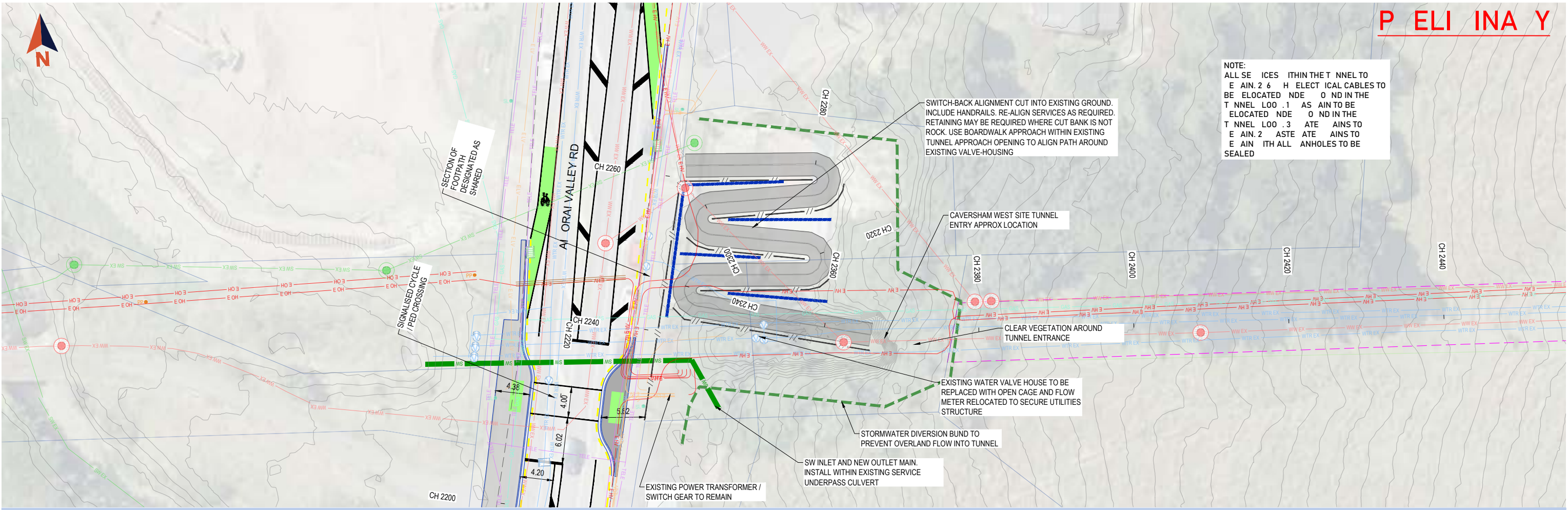




CLIENT:		P OJECT:		SHEET TITLE:		REV		REVISION DETAILS		DATE		S EYED:		JOB N BE		SCALE	
DUNEDIN CITY COUNCIL		DUNEDIN TUNNELS		HA A AY NDE PASS TO BA NES D I E - PLAN 11		A		PRELIMINARY DESIGN - FOR REVIEW		10/12/2021		DESIGNER:		SJC		7332	
												DRAWN:		B S		NO 2021	
												CHECKED:		P O		DEC 2021	
												DESIGNED:		P O		DEC 2021	
												APPROVED:		P O		DEC 2021	
														4 B		A	



CLIENT:		P OJECT:		SHEET TITLE:		REV		REVISION DETAILS		DATE		S EYED:		JOB N BE		SCALE A1	
		D NEDINT NNELST AIL CYT				HA A AY NDE PASS TO BA NES D I E - PLAN 12		A		PRELIMINARY DESIGN - FOR REVIEW		10/12/2021		DESI NED: SJC		OCT 2021	
												D A N: B S		NO 2021		7332	
												D A IN CHEC : P O		DEC 2021		SHEET E .	
												DESI N CHEC : P O		DEC 2021		49	
												APP O ED: P O		DEC 2021		A	



CLIENT: DUNEDIN CITY COUNCIL

PROJECT: DUNEDIN TUNNEL STAIL CYT

HAASAY NDE PASS TO BARNES DRIVE - PLAN 13

REVISION DETAILS

REV	REVISION DETAILS	DATE	DESIGNED	DRAWN	CHECKED	APP'D
A	PRELIMINARY DESIGN - FOR REVIEW	10/12/2021	SJC	B.S.	P.O.	P.O.

JOB NUMBER: 7332

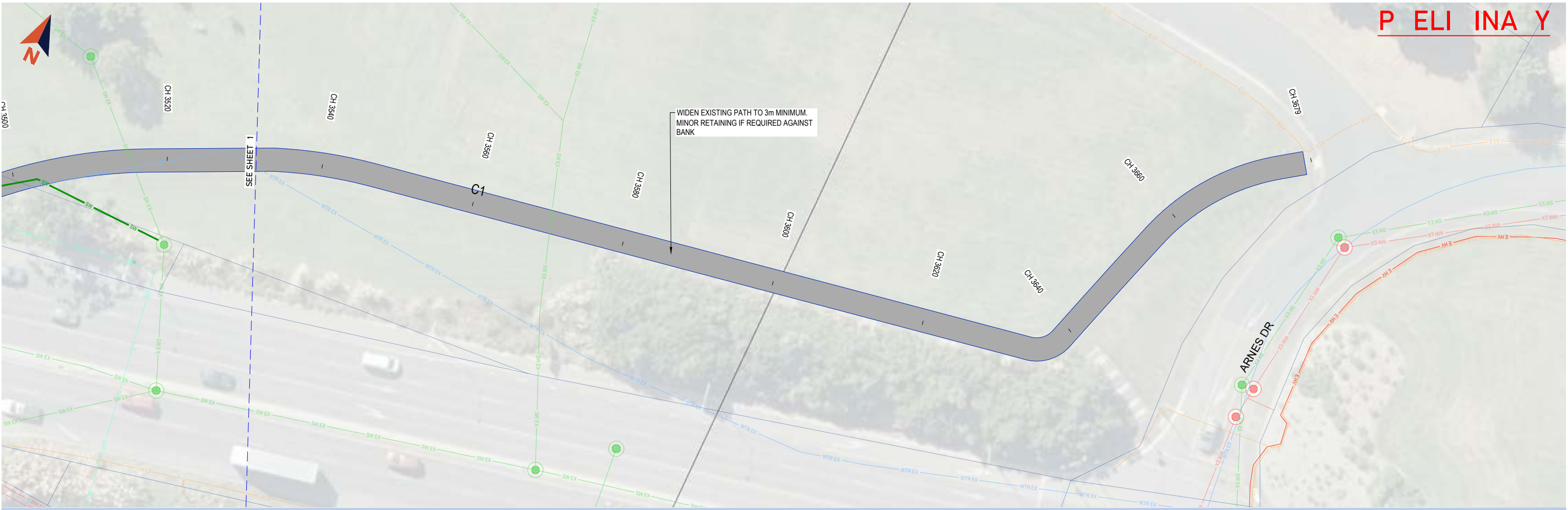
SCALE: 1:20

SHEET: 0

DATE: OCT 2021

DATE: DEC 2021

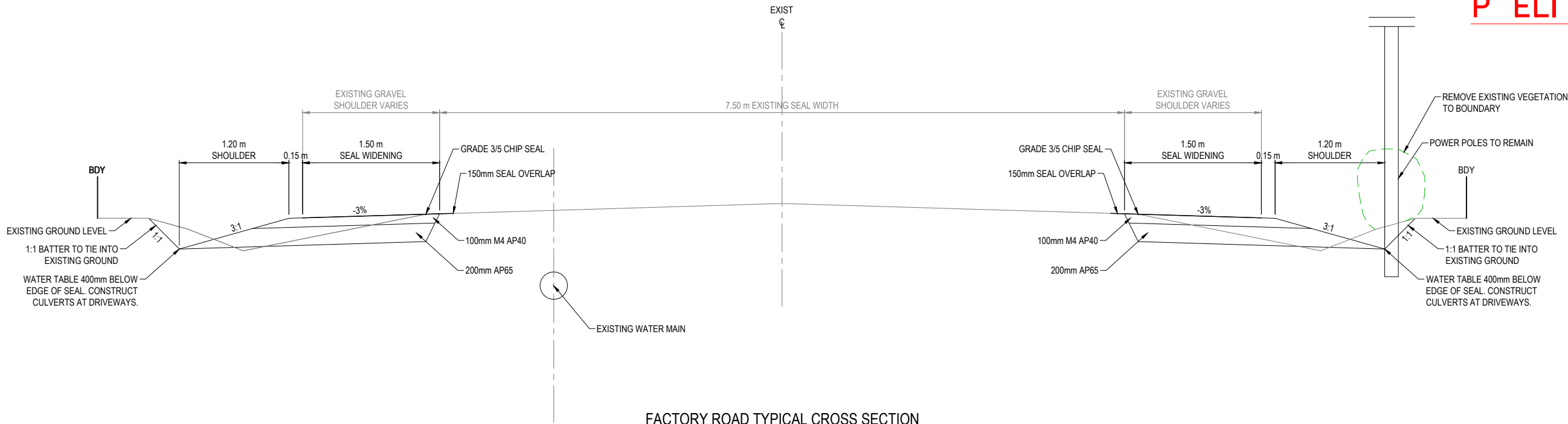
DATE: DEC 2021



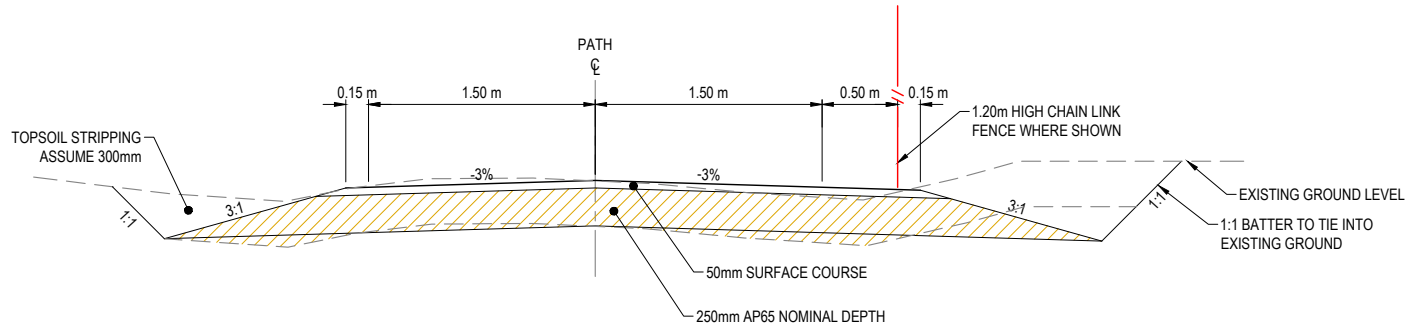
P E L I N A Y

P E L I N A Y

CLIENT:  DUNEDIN CITY COUNCIL		PROJECT: DUNEDIN TUNNELS PROJECT		 bonisch		SHEET TITLE: HA 100m WIDE PASS TO BARNES DRIVE - PLAN 1		REV	REVISION DETAILS		DATE	S	EYED:			JOB N	BE	SCALE	A1
								A	PRELIMINARY DESIGN - FOR REVIEW		10/12/2021		DESIGNED:	SJC	OCT 2021	7332		1:200	
													DRAWN:	B S	NOV 2021				
													DRAWN CHECK:	P O	DEC 2021	SHEET			
													DESIGNED CHECK:	P O	DEC 2021	2		A	
													APPROVED:	P O	DEC 2021				



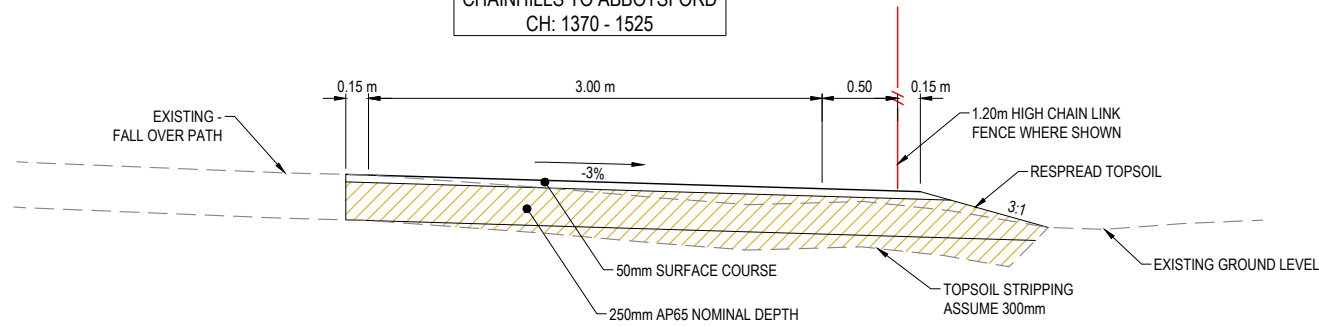
FACTORY ROAD TYPICAL CROSS SECTION
SCALE: 1:25



PATH A TYPICAL CROSS SECTION
SCALE: 1:25

2 WAY CROSSFALL AT
GRADE GRAVEL SURFACE

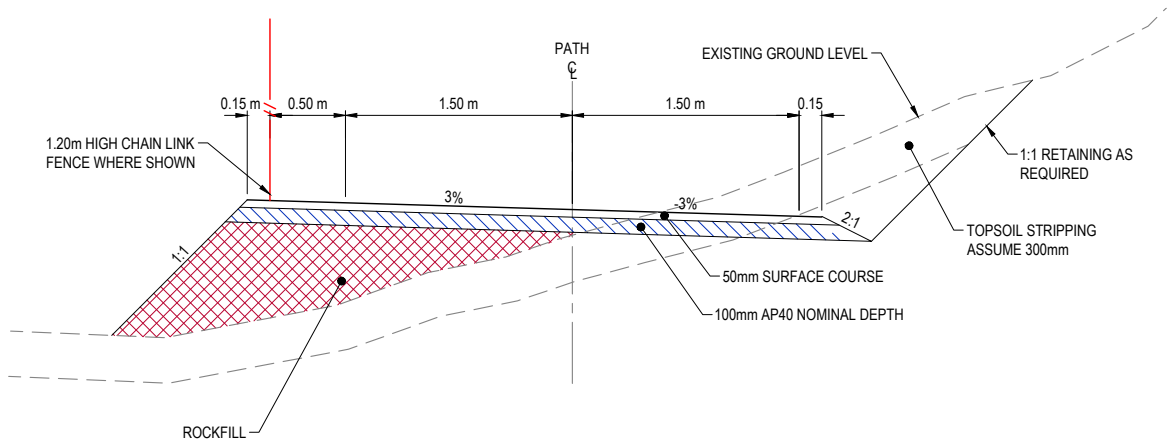
MOSGIEL TO CHAINHILLS
CH: 620 - 1560, CH: 2990 - 3030,
CHAINHILLS TO ABBOTSFORD
CH: 1370 - 1525



PATH B TYPICAL CROSS SECTION
SCALE: 1:25

1 WAY CROSSFALL AT
GRADE GRAVEL SURFACE

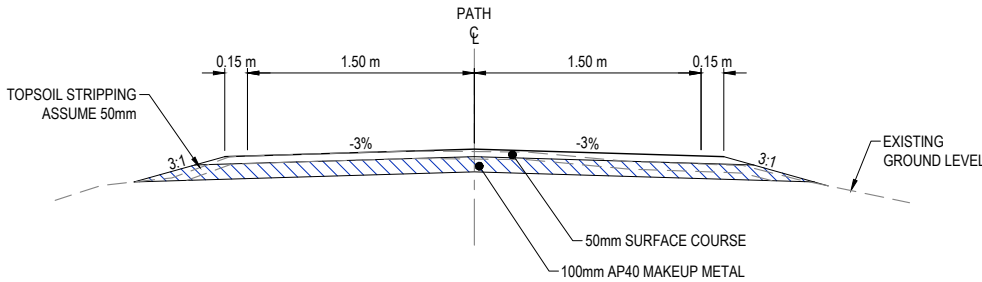
MOSGIEL TO CHAINHILLS
CH: 1560 - 1830, CH: 2740 - 2875,
CHAINHILLS TO ABBOTSFORD
CH: 1720 - 2430



PATH C TYPICAL CROSS SECTION
SCALE: 1:25

1 WAY CROSSFALL SIDLING
CUT/FILL GRAVEL SURFACE

MOSGIEL TO CHAINHILLS
CH: 2875 - 2990



PATH D TYPICAL CROSS SECTION
SCALE: 1:25

STRIP RESHAPE AND ADD
MAKEUP METAL

MOSGIEL TO CHAINHILLS
CH: 1830 - 2030, CH: 3030 - 3225,
CHAINHILLS TO ABBOTSFORD
CH: 140 - 1370

SAWCUT AND REMOVE EXISTING SEAL

EXISTING CARRIAGEWAY

0.60 m MIN

EXIST EOS

3.00 m (NO ADJACENT PARKS)
3.50 m (ADJACENT TO PARKING)

0.50 m

0.15

1.20m HIGH PEDESTRIAN FENCE WHERE SHOWN

EXISTING EDGE OF SEAL OR LIP OF KERB

-2%

10:1

EXISTING GROUND LEVEL

40mm AC DG10

100mm M4 AP40

150mm AP65

INSTALL NEW KERB AND CHANNEL (WHERE SPECIFIED)

0.30

TOPSOIL STRIPPING ASSUME 300mm

30mm DG7 AC

100mm M4 AP40

150mm AP65

BULK ROCK / AP65 FILL AS REQUIRED

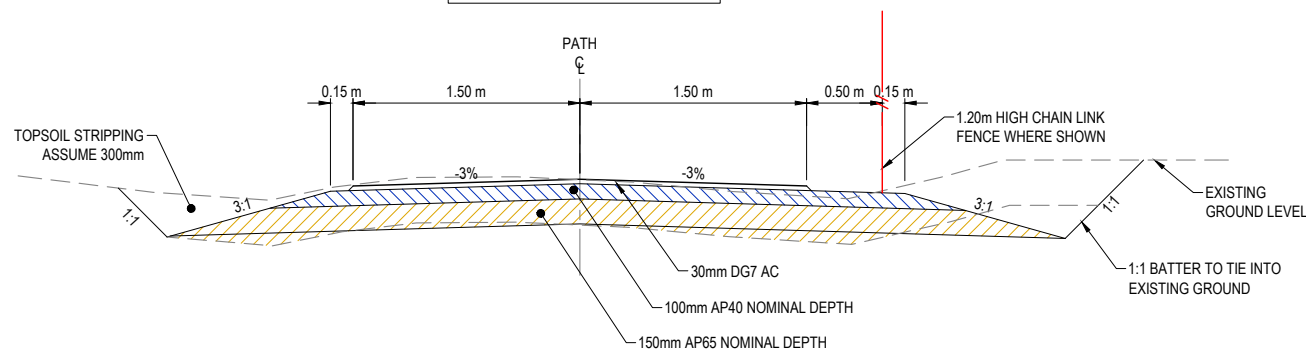
PATH E TYPICAL CROSS SECTION

SCALE: 1:25

ABBOTSFORD TO HARAWAY
CH: 3560 - 3630, CH: 3710 - 3970,
HARAWAY TO BARNES DRIVE
CH: 1560 - 2250

PATH E TYPICAL CROSS SECTION
SCALE: 1:25

ABBOTSFORD TO HARAWAY
CH: 3560 - 3630, CH: 3710 - 3970,
HARAWAY TO BARNES DRIVE
CH: 1560 - 2250

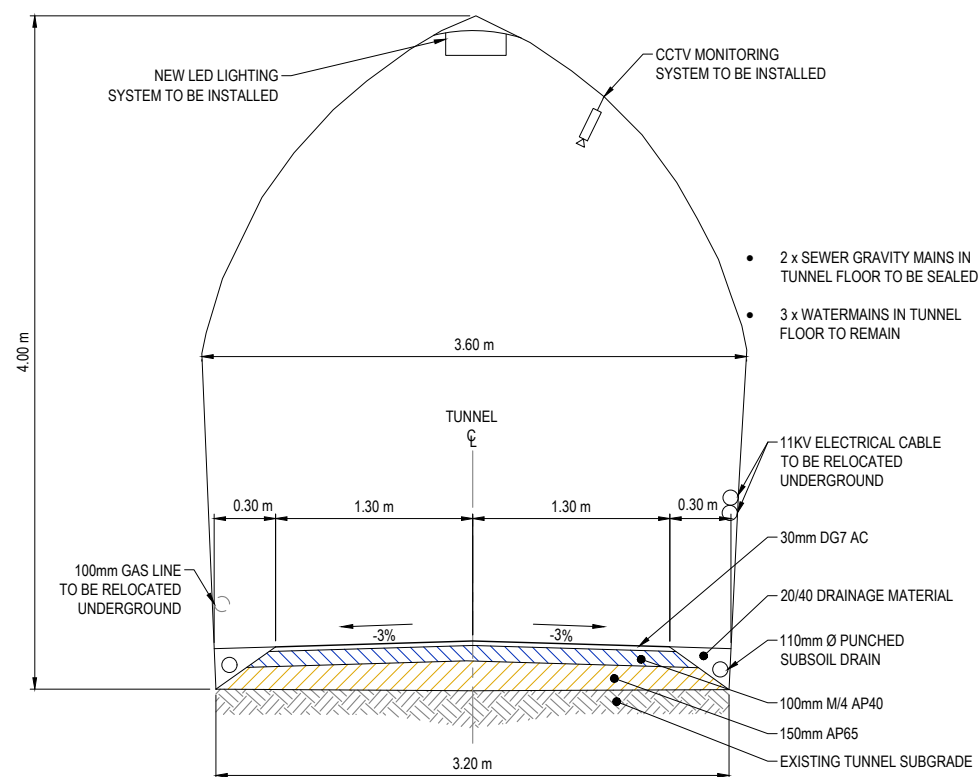


PATH F TYPICAL CROSS SECTION

SCALE: 1:25

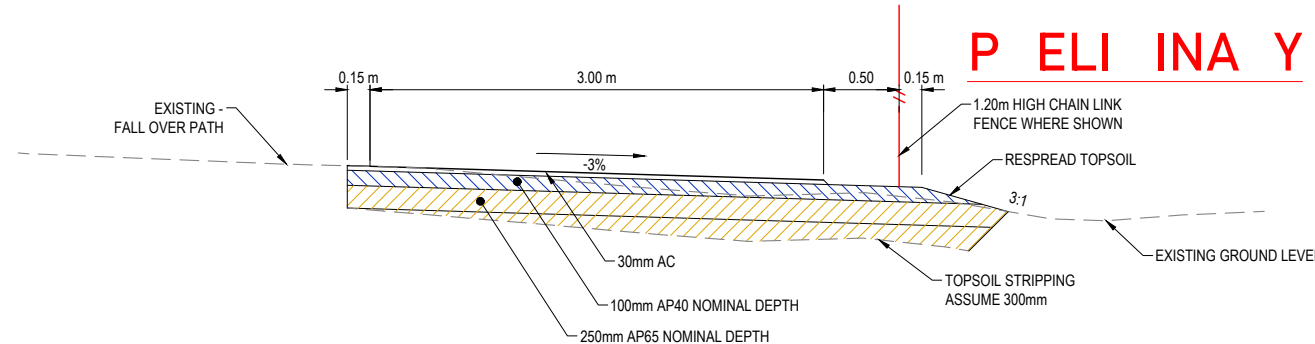
2 WAY CROSSFALL AT GRADE GRAVEL SURFACE

ABBOTSFORD TO HARAWAY
CH: 2460 - 3320, CH: 3970 - 4160, CH: 4270 - 4555,
HARAWAY TO BARNES DRIVE
CH: 2260 - 2340, CH: 3225 - 3420



CAVERSHAM TUNNEL TYPICAL DETAIL

SCALE: 1:25

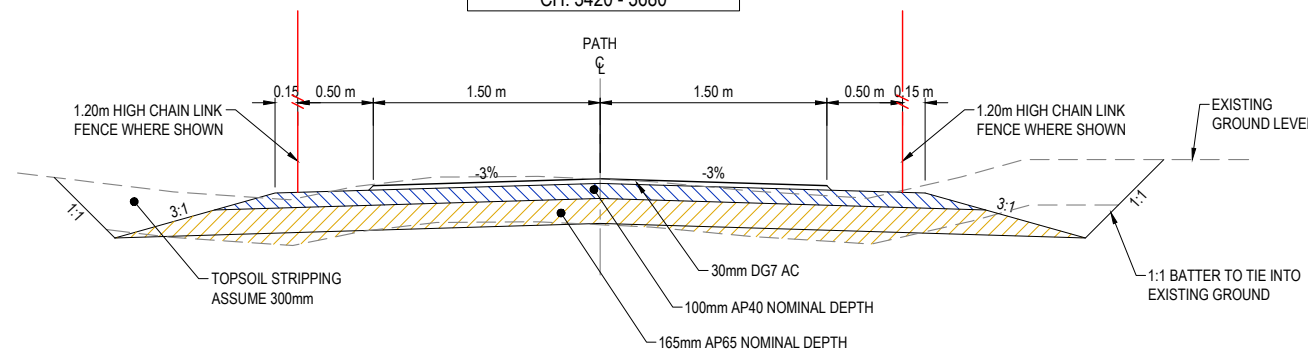


PATH G TYPICAL CROSS SECTION

SCALE: 1:25

1 WAY CROSSFALL AT GRADE GRAVEL SURFACE

ABBOTSFORD TO HARAWAY
CH: 3380 - 3560
HARAWAY TO BARNES DRIVE
CH: 3420 - 3680

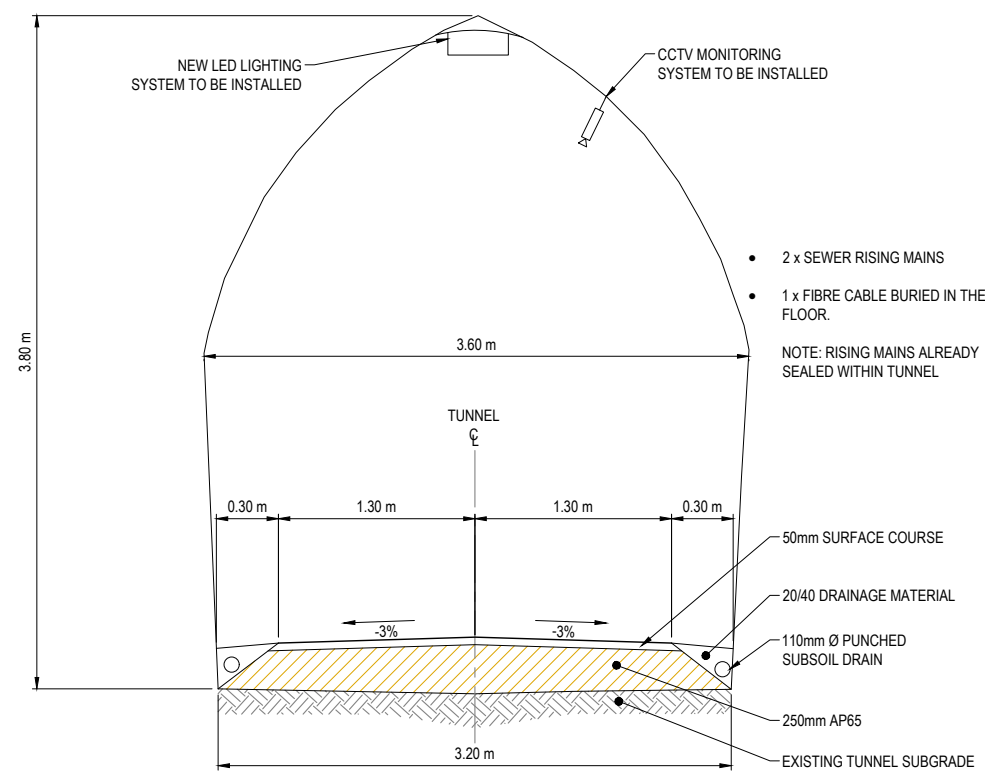


PATH H TYPICAL CROSS SECTION

SCALE: 1:25

2 WAY CROSSFALL AT
GRADE GRAVEL SURFACE

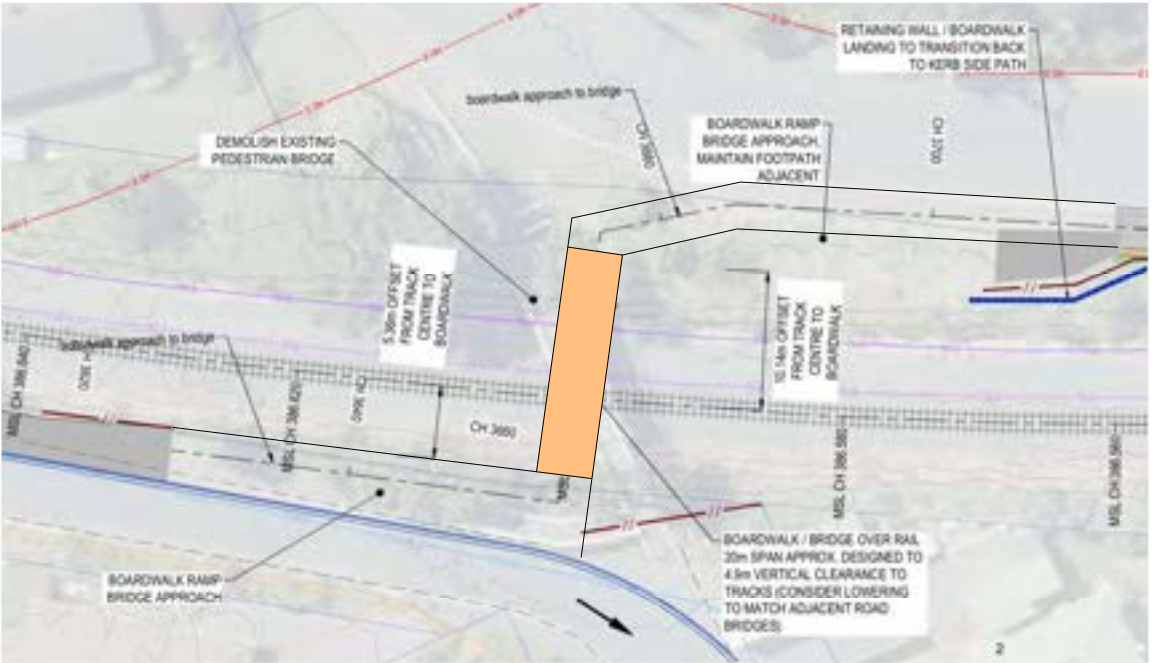
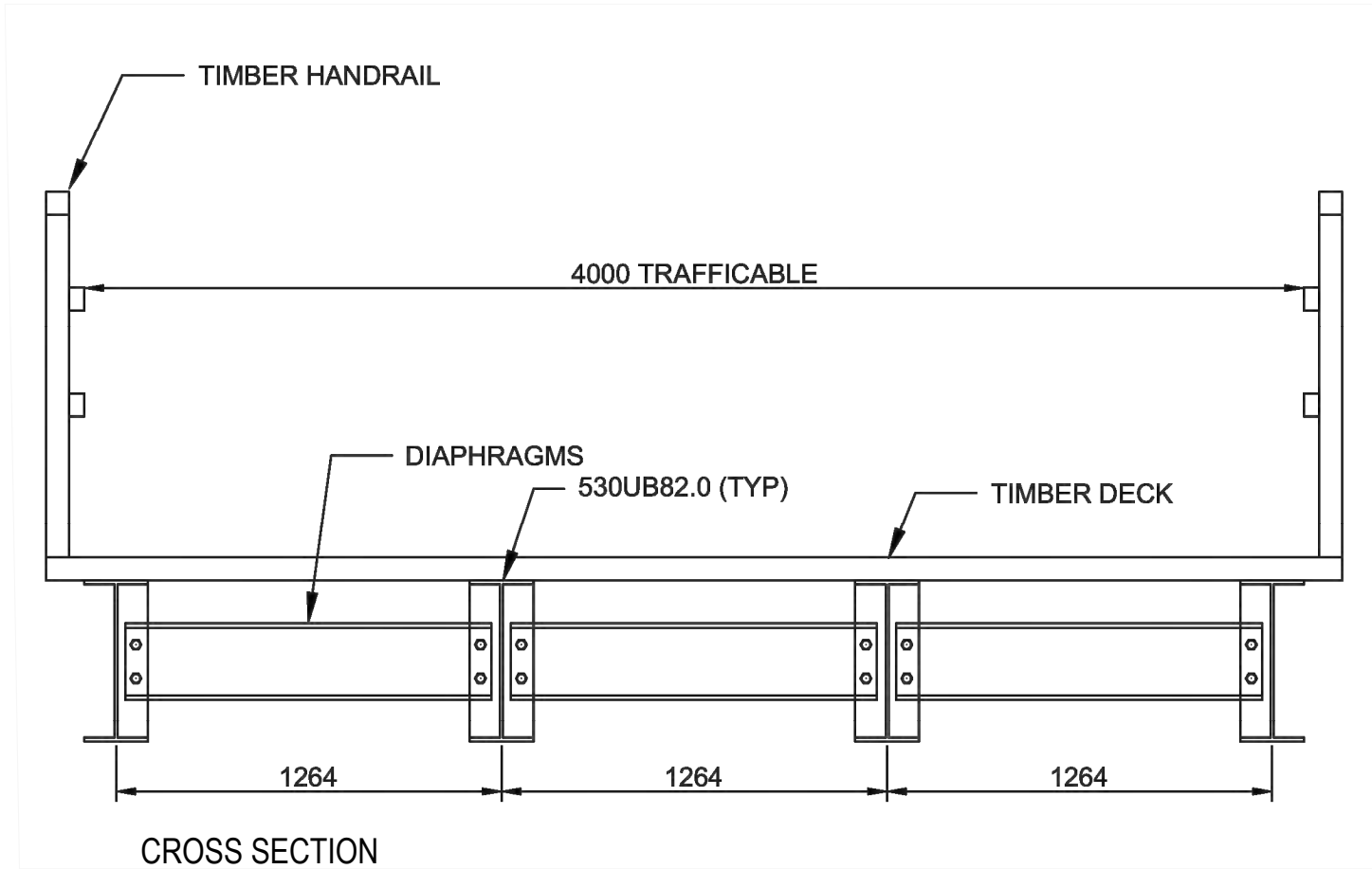
HARAWAY TO BARNES DRIVE
CH: 110 - 1560



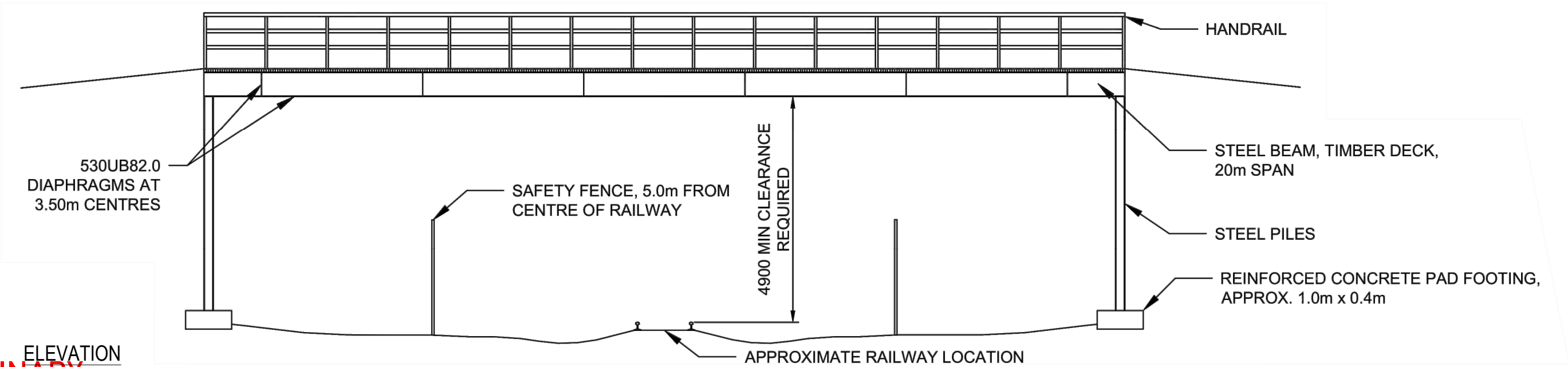
CHAINHILLS TUNNEL TYPICAL DETAIL

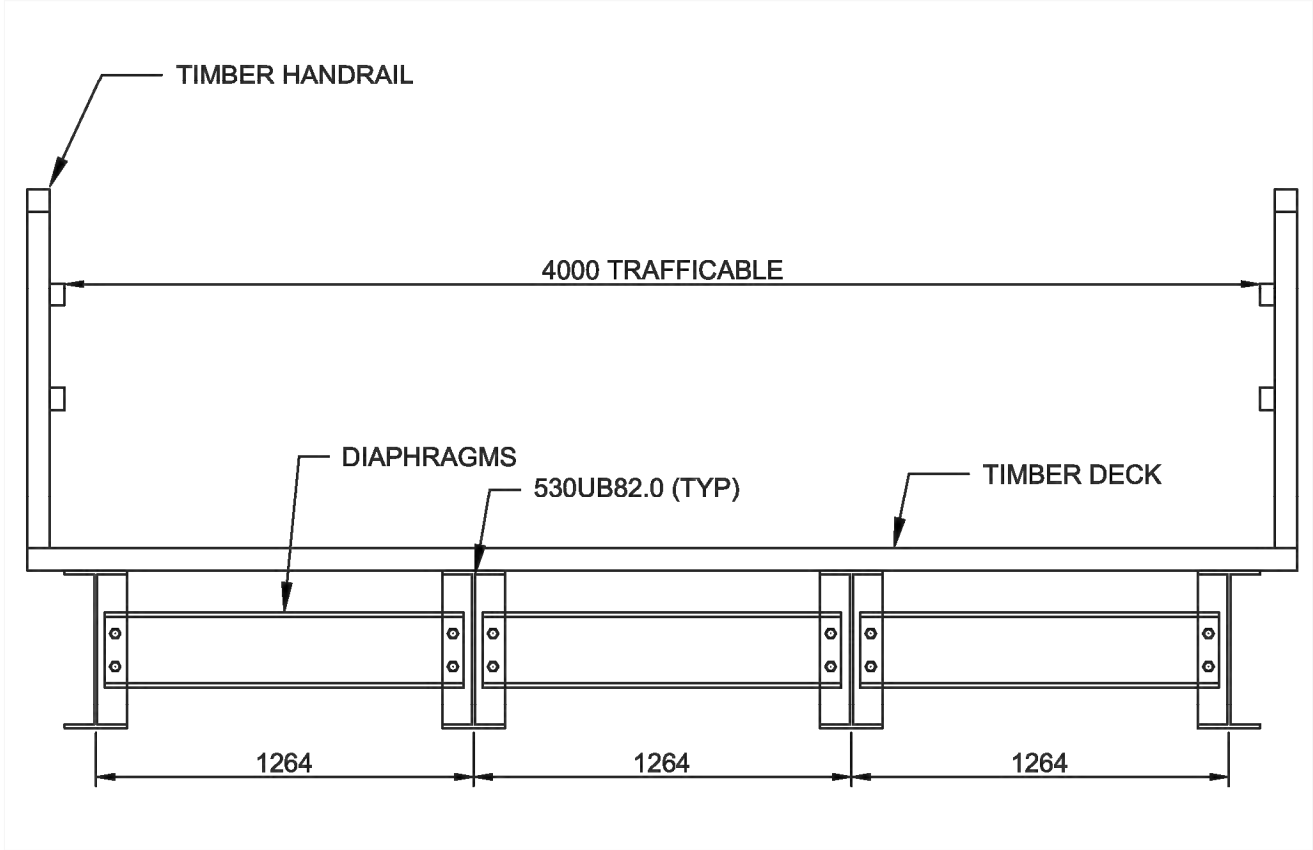
SCALE: 1:25

CLIENT: DUNEDIN kaunihera CITY COUNCIL g-rōhe o ōtago		P. OBJECT: DUNEDIN TUNNELS TAIL CYT				SHEET TITLE: TYPICAL DETAILS		<table border="1"> <thead> <tr> <th>REV</th> <th>REVISION DETAILS</th> <th>DATE</th> <th>S</th> <th>EYED:</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>A</td> <td>PRELIMINARY DESIGN - FOR REVIEW</td> <td>10/12/2021</td> <td>DESIGN</td> <td>NED:</td> <td>SJC</td> <td>OCT 2021</td> </tr> <tr> <td></td> <td></td> <td></td> <td>D</td> <td>A</td> <td>N:</td> <td>B</td> </tr> <tr> <td></td> <td></td> <td></td> <td>D</td> <td>A</td> <td>IN</td> <td>CHEC : P</td> </tr> <tr> <td></td> <td></td> <td></td> <td>DESIGN</td> <td>N</td> <td>CHEC : P</td> <td>DEC 2021</td> </tr> <tr> <td></td> <td></td> <td></td> <td>APP</td> <td>O</td> <td>ED: P</td> <td>DEC 2021</td> </tr> </tbody> </table>				REV	REVISION DETAILS	DATE	S	EYED:			A	PRELIMINARY DESIGN - FOR REVIEW	10/12/2021	DESIGN	NED:	SJC	OCT 2021				D	A	N:	B				D	A	IN	CHEC : P				DESIGN	N	CHEC : P	DEC 2021				APP	O	ED: P	DEC 2021	<table border="1"> <thead> <tr> <th>JOB N</th> <th>BE</th> <th>SCALE</th> <th>AI</th> </tr> </thead> <tbody> <tr> <td colspan="2">7332</td> <td colspan="2">1:2</td> </tr> </tbody> </table>		JOB N	BE	SCALE	AI	7332		1:2	
REV	REVISION DETAILS	DATE	S	EYED:																																																											
A	PRELIMINARY DESIGN - FOR REVIEW	10/12/2021	DESIGN	NED:	SJC	OCT 2021																																																									
			D	A	N:	B																																																									
			D	A	IN	CHEC : P																																																									
			DESIGN	N	CHEC : P	DEC 2021																																																									
			APP	O	ED: P	DEC 2021																																																									
JOB N	BE	SCALE	AI																																																												
7332		1:2																																																													
								<table border="1"> <thead> <tr> <th>SHEET</th> <th>E</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>A</td> </tr> </tbody> </table>		SHEET	E	4	A																																																		
SHEET	E																																																														
4	A																																																														

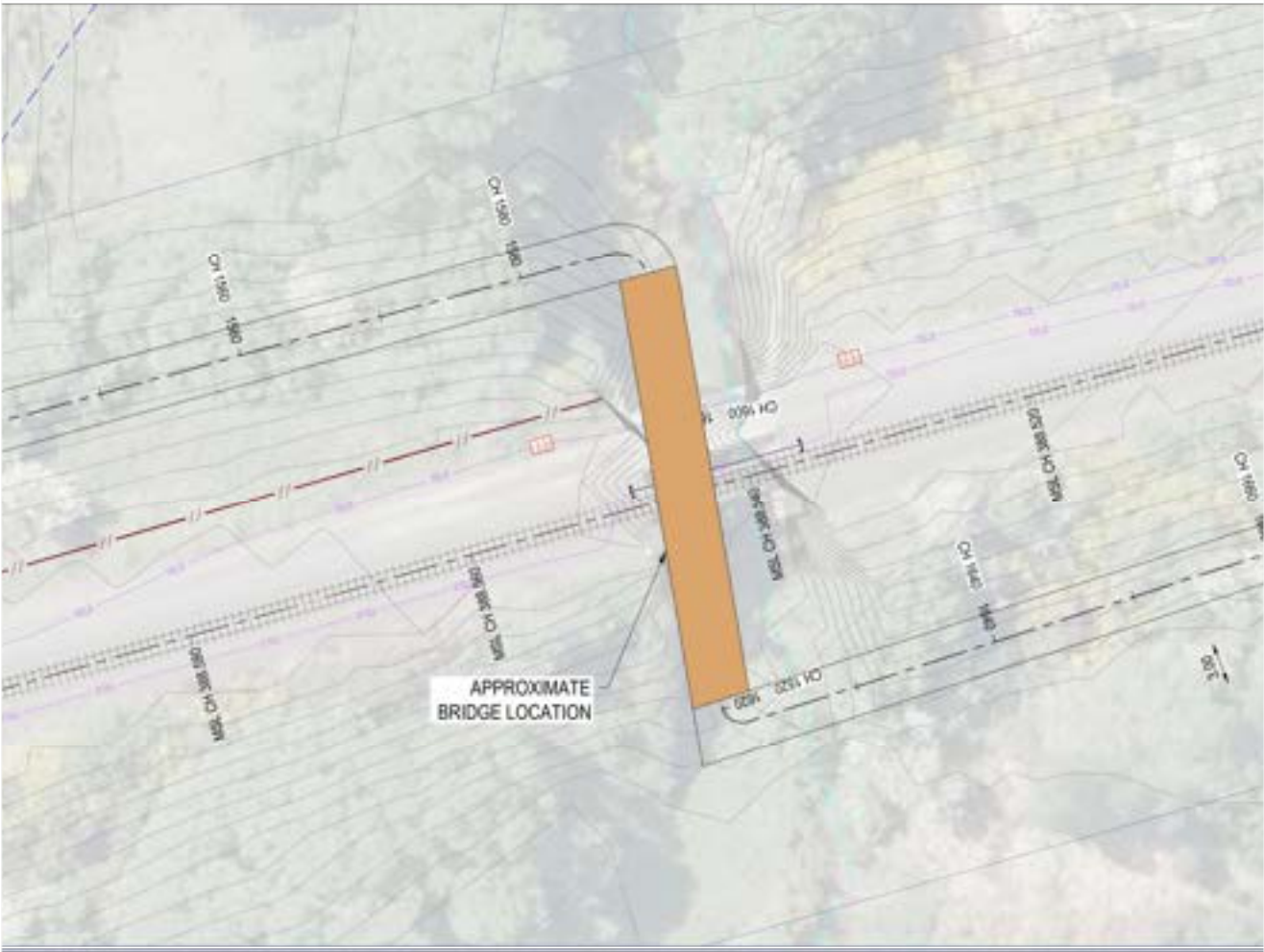


PLAN VIEW OVERLAYED ON MAP

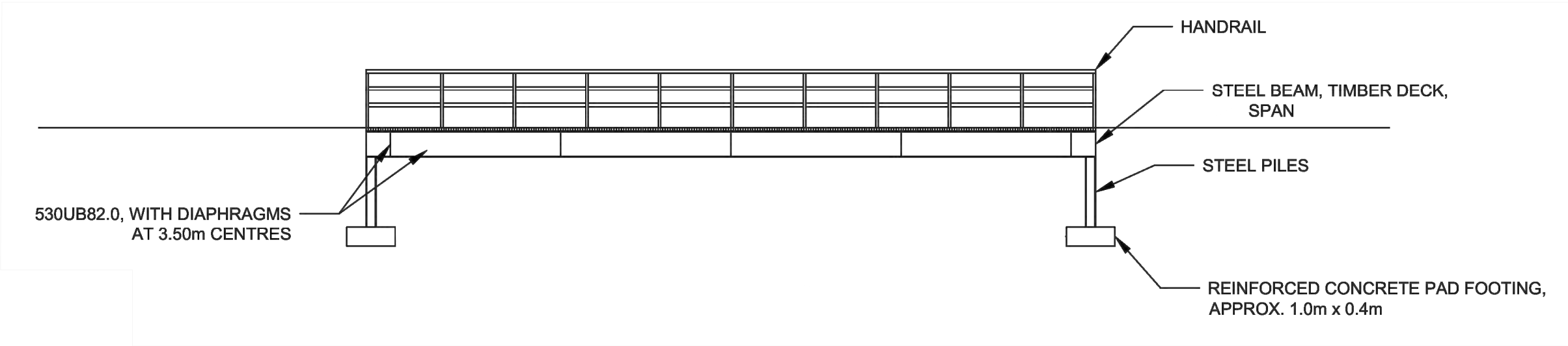




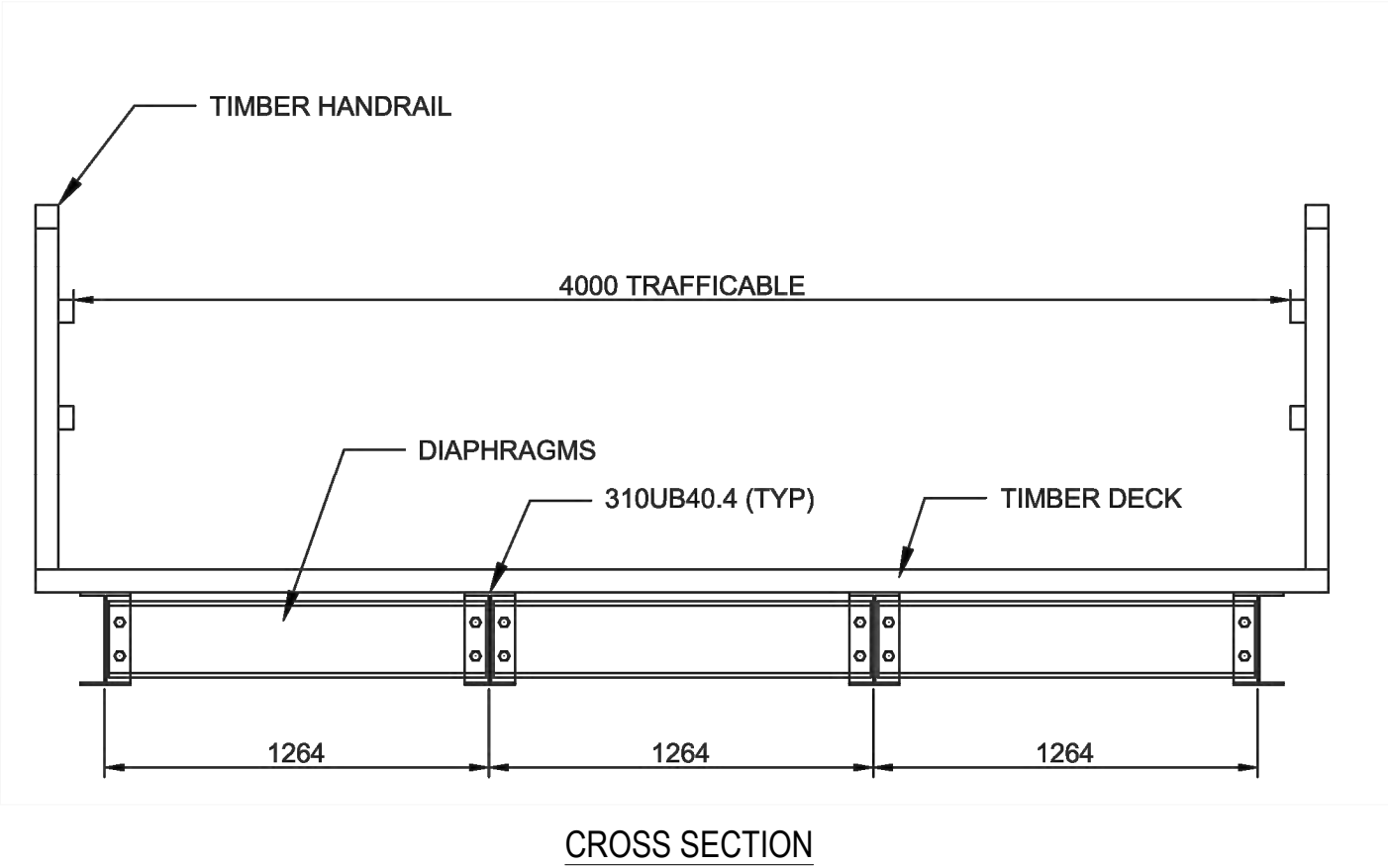
CROSS SECTION



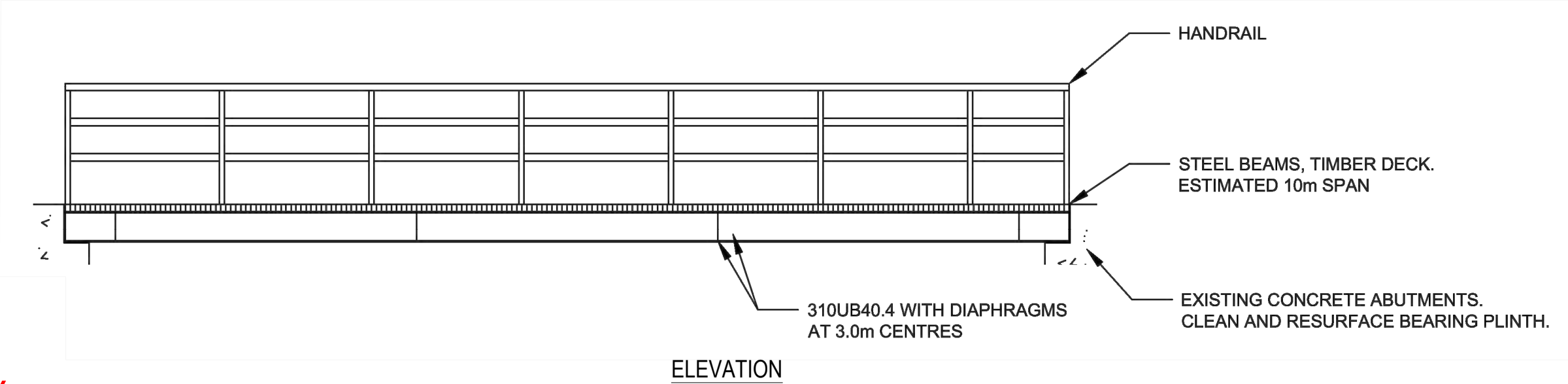
PLAN VIEW OVERLAYED ON MAP

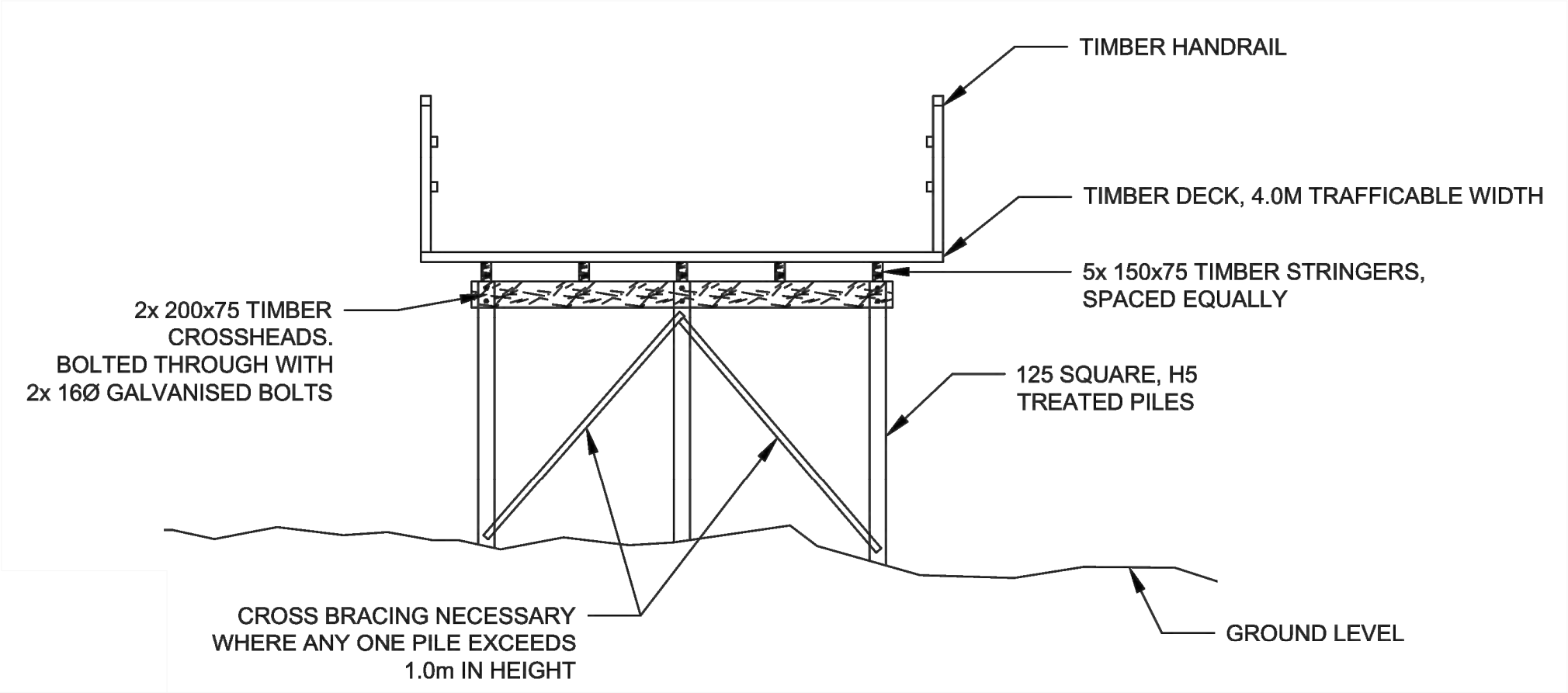


ELEVATION

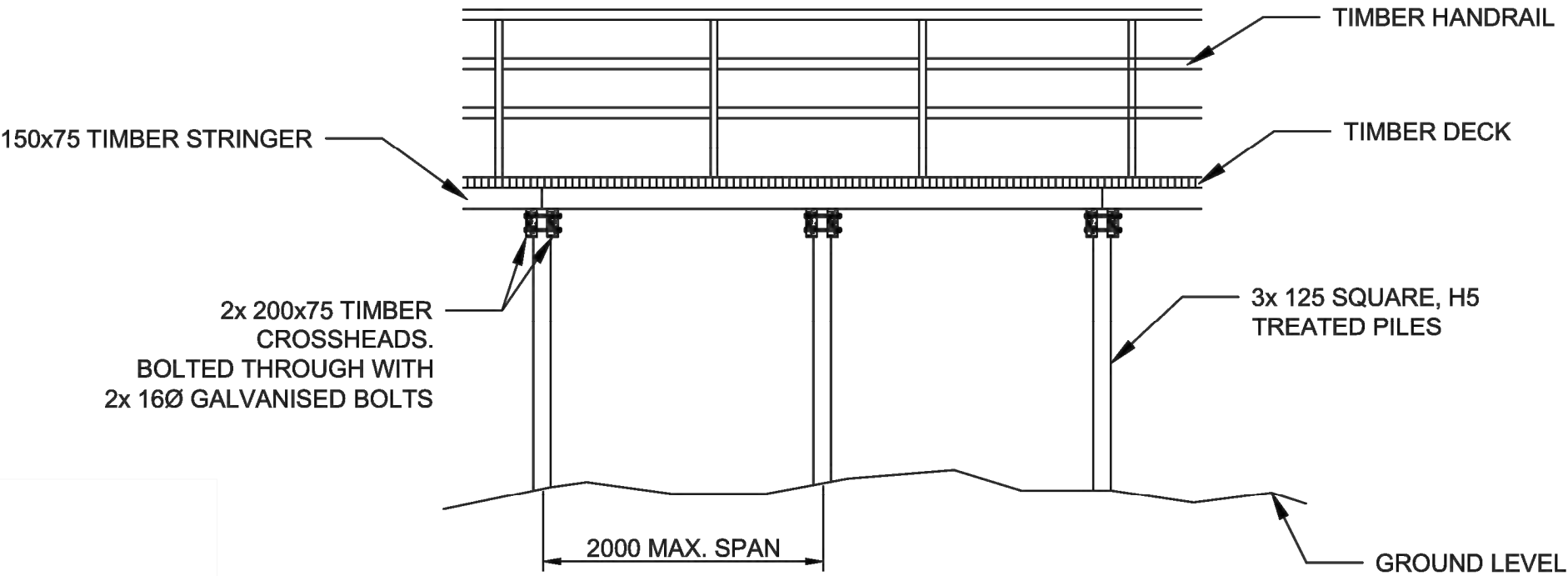


PLAN VIEW OVERLAYED ON MAP





CROSS SECTION



ELEVATION