

CONICAL HILL SWITCHBACK™ FLYRIDE | HANMER SPRINGS

GRAPHIC ATTACHMENT TO LANDSCAPE AND VISUAL ASSESSMENT ADDENDUM

## **DOCUMENT INFORMATION**

### Project

Conical Hill Switchback™ Flyride

#### Address

Conical Hill Reserve, Hanmer Springs Flyride

#### Client

Hanmer Springs Thermal Pools & Spa

#### Status

For Resource Consent

#### Revision

**Resource Consent** 15/02/2021 10/06/2021 Resource Consent 24/06/2021 Resource Consent

### Prepared by

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Project Number: 20043

Authors: Angie Nelson Peer Review: Tony Milne

#### Document

Graphic Attachment to Accompany Landscape and Visual Assessment Addendum (A4 Written Report)

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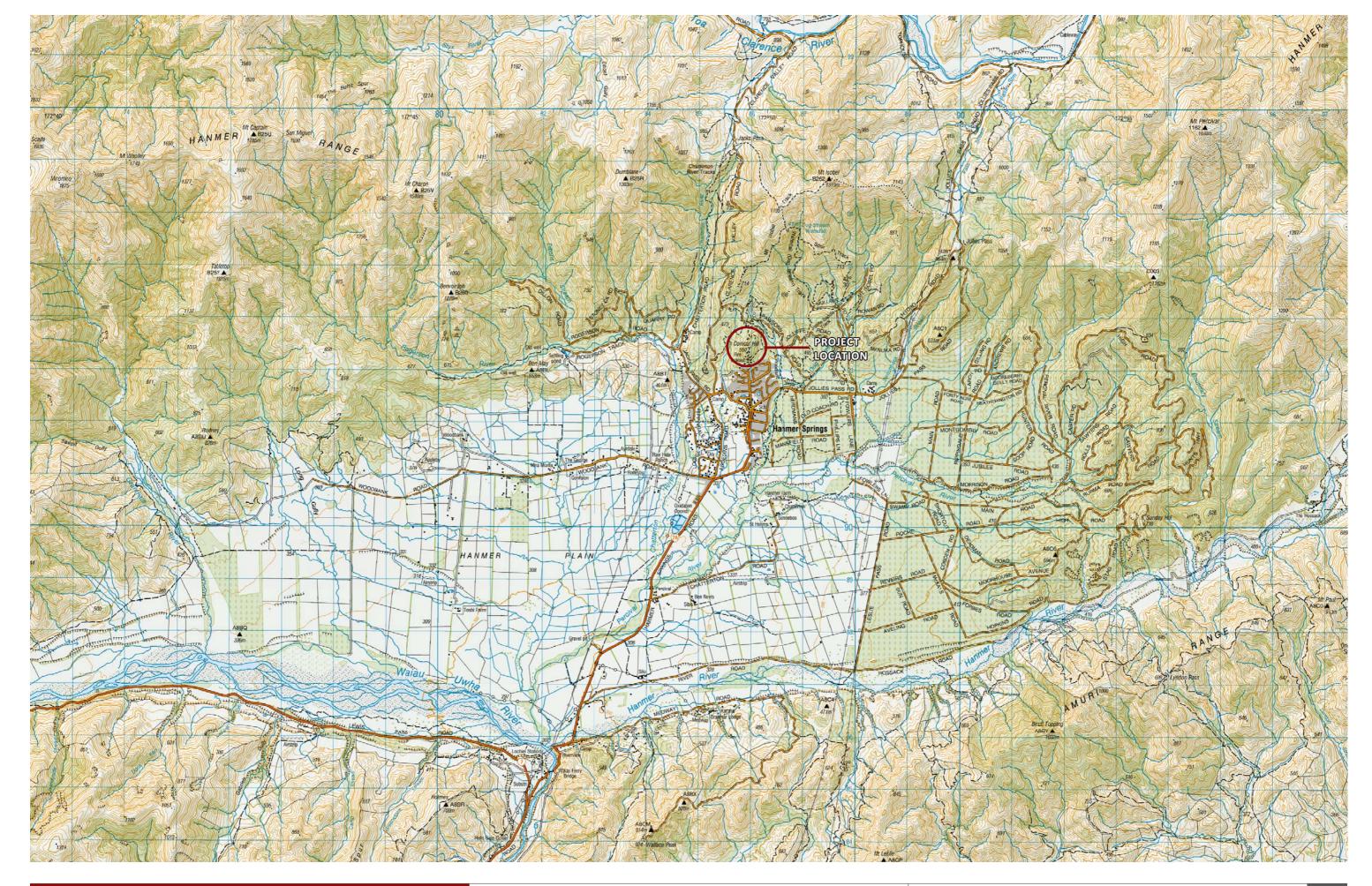
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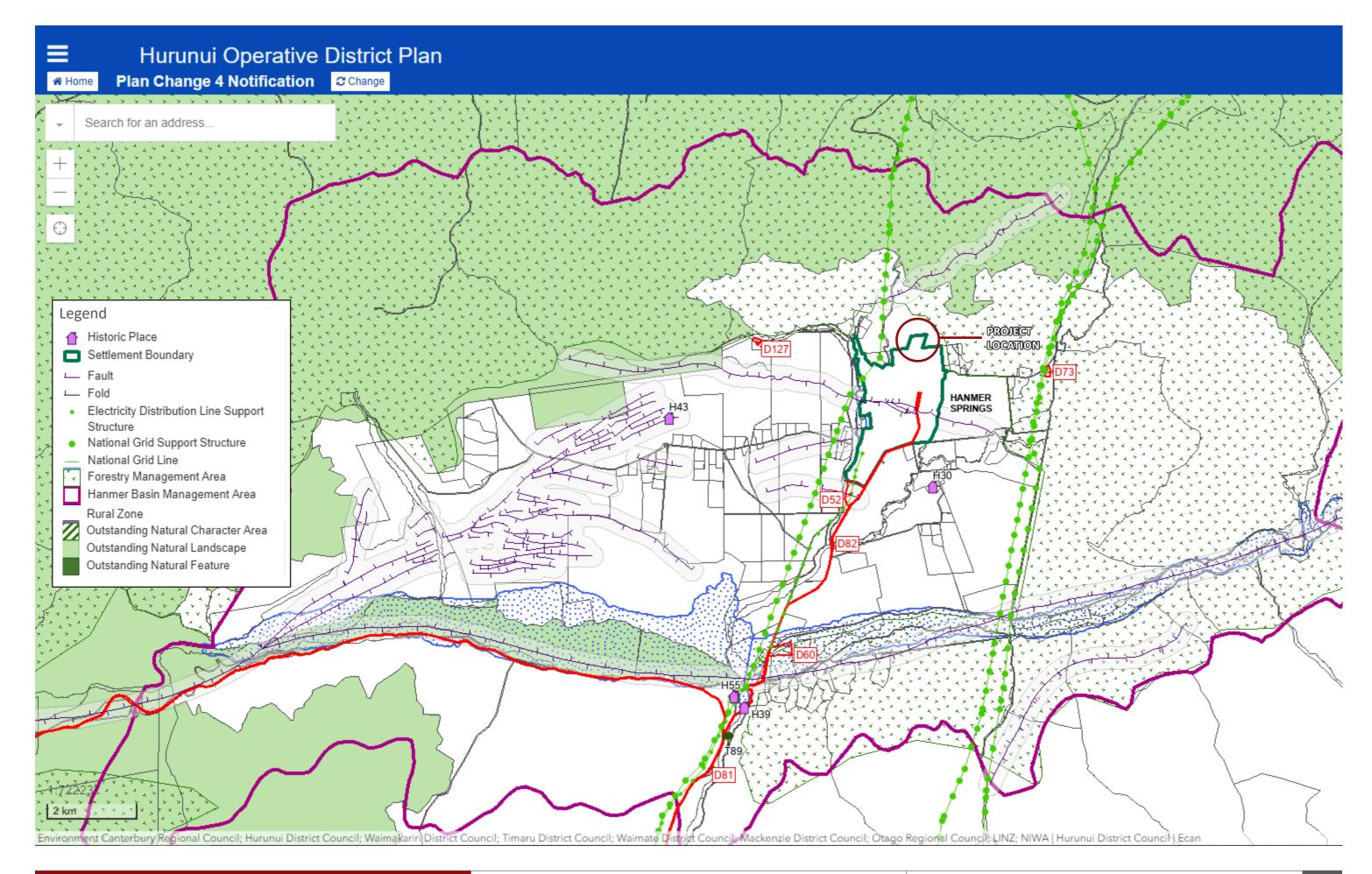
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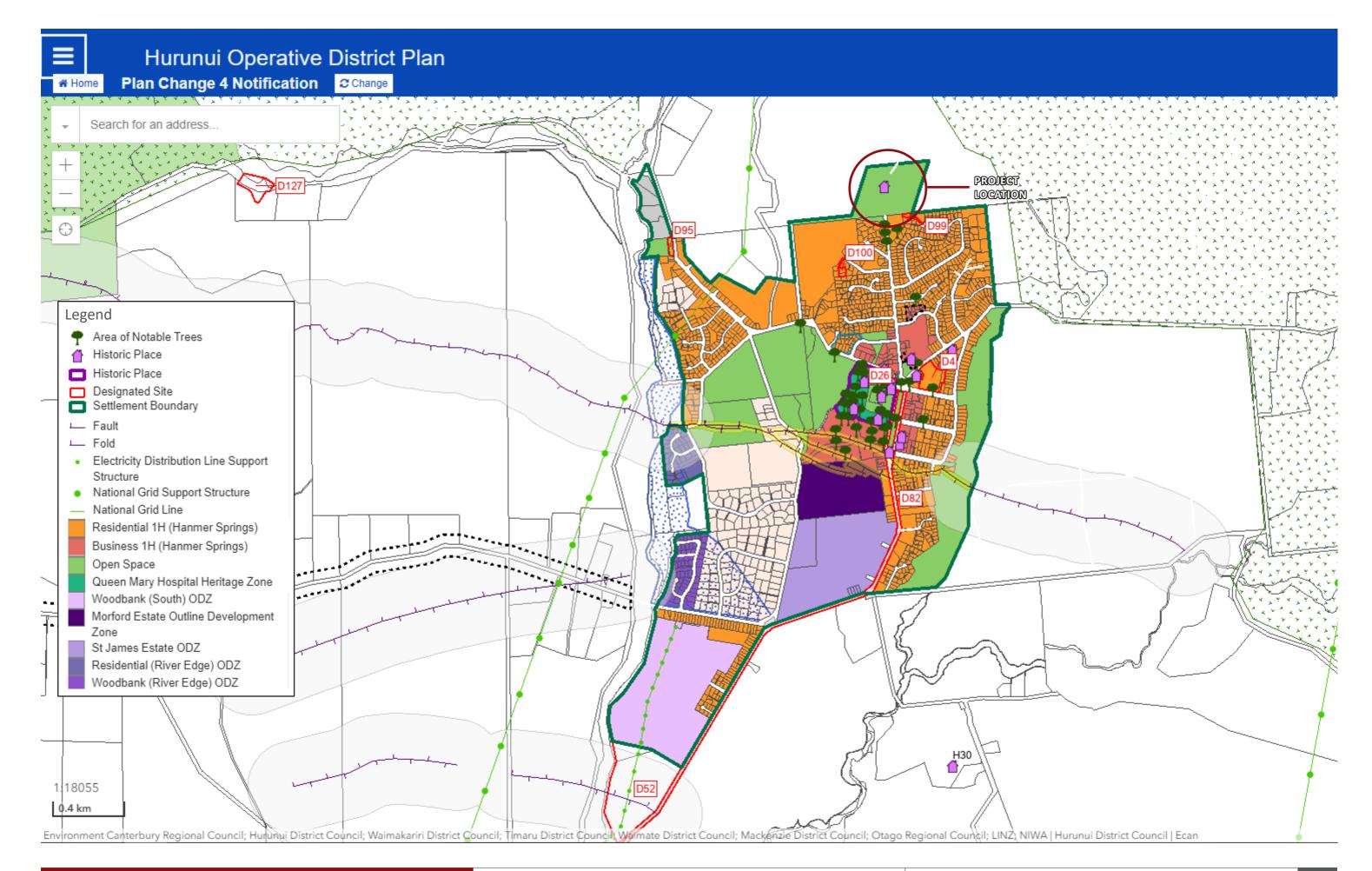
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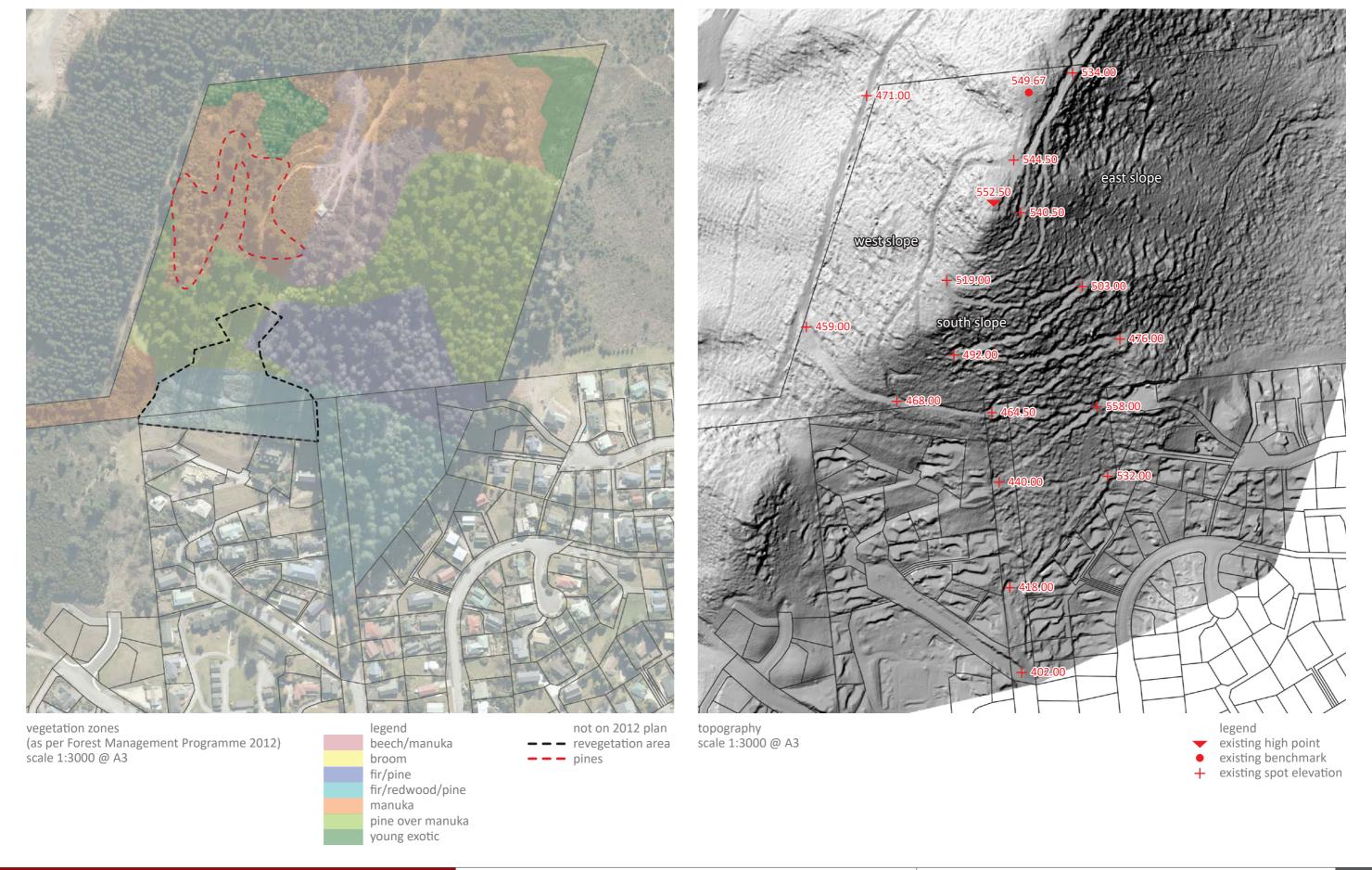
NB: This document is intended to be printed A3 Landscape format

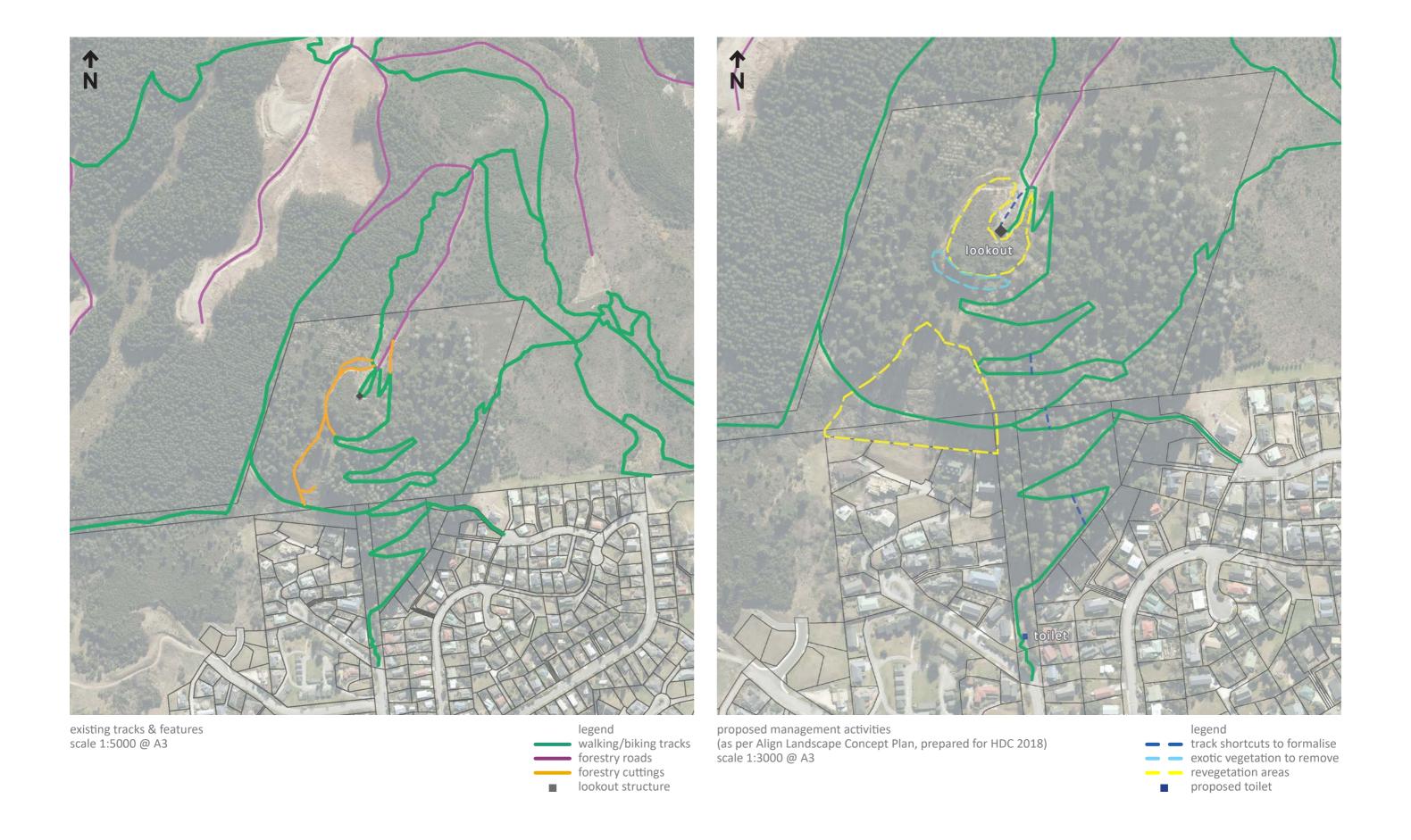














viewpoint from the second high point adjacent to an existing picnic table, looking south-east towards the lookout and Hanmer Basin



viewpoint from the existing walking track below the clearing looking south toward the township and the Basin



viewpoint from the existing walking track near the saddle looking north the second high point and Mount Isobel



viewpoint from the existing walking track near an existing seat and signage



viewpoint from the clearing looking south-east toward the Basin



viewpoint from the existing lookout structure looking south-east toward Hanmer Basin

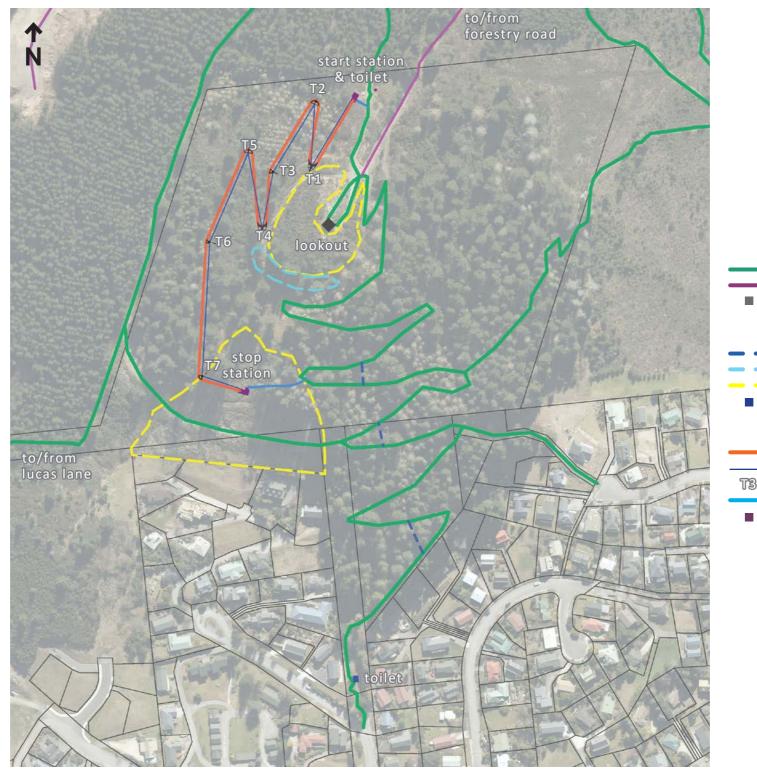


viewpoint from the existing lookout structure looking north towards the interpretive panel, the second high point and Mount Isobel



viewpoint from the existing walking track below the clearing looking north (uphill)

stage 1



legend

existing tracks & features walking/biking tracks forestry roads lookout structure

proposed management activities track shortcuts to formalise exotic vegetation to remove

revegetation areas proposed toilet

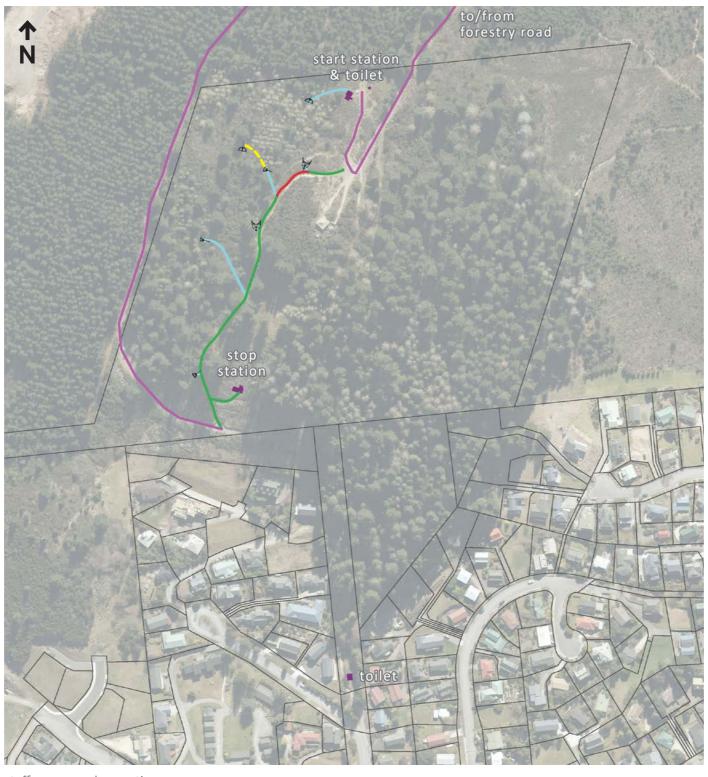
switchback proposal stage 1 ride track route
overhead power/data cable T3 ride poles (not to scale) walking track for stop station access

proposed structures

stage 1 development plan scale 1:3000 @ A3

## development plan

construction access



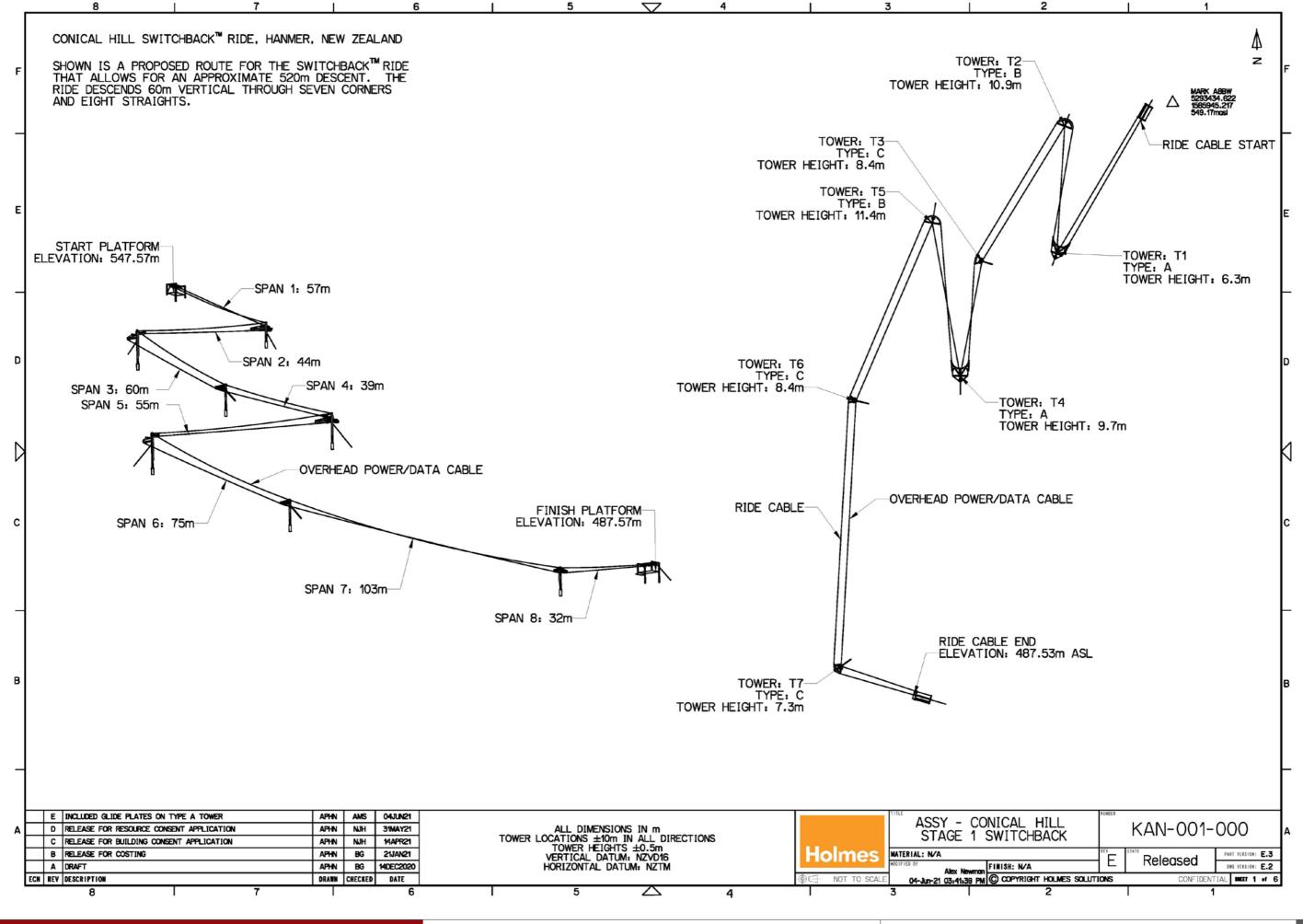
staff access and operations scale 1:3000 @ A3



legend

access tbc

 access via existing forestry roads access via existing foresty cuttings access via new 2.5m track track section to avoid

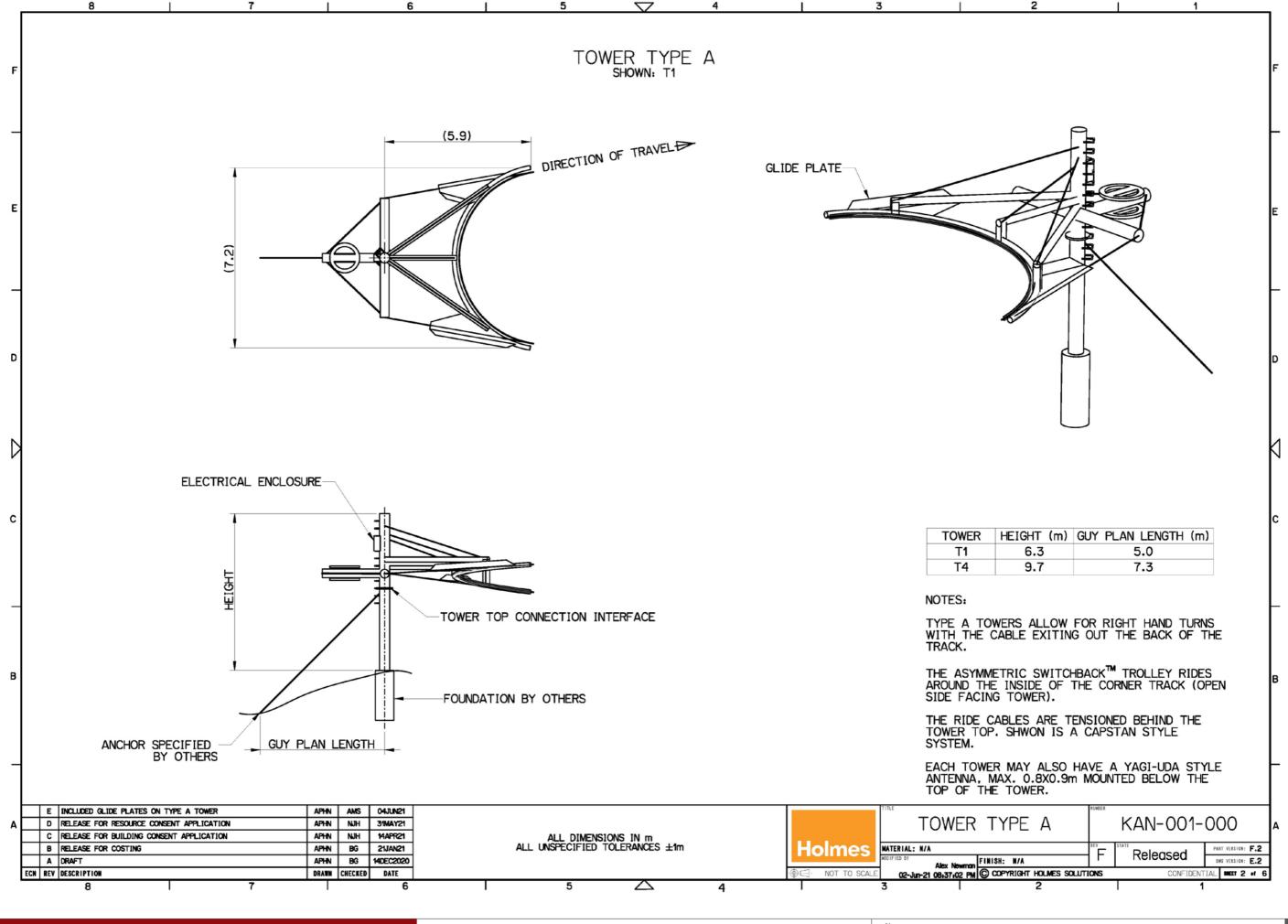


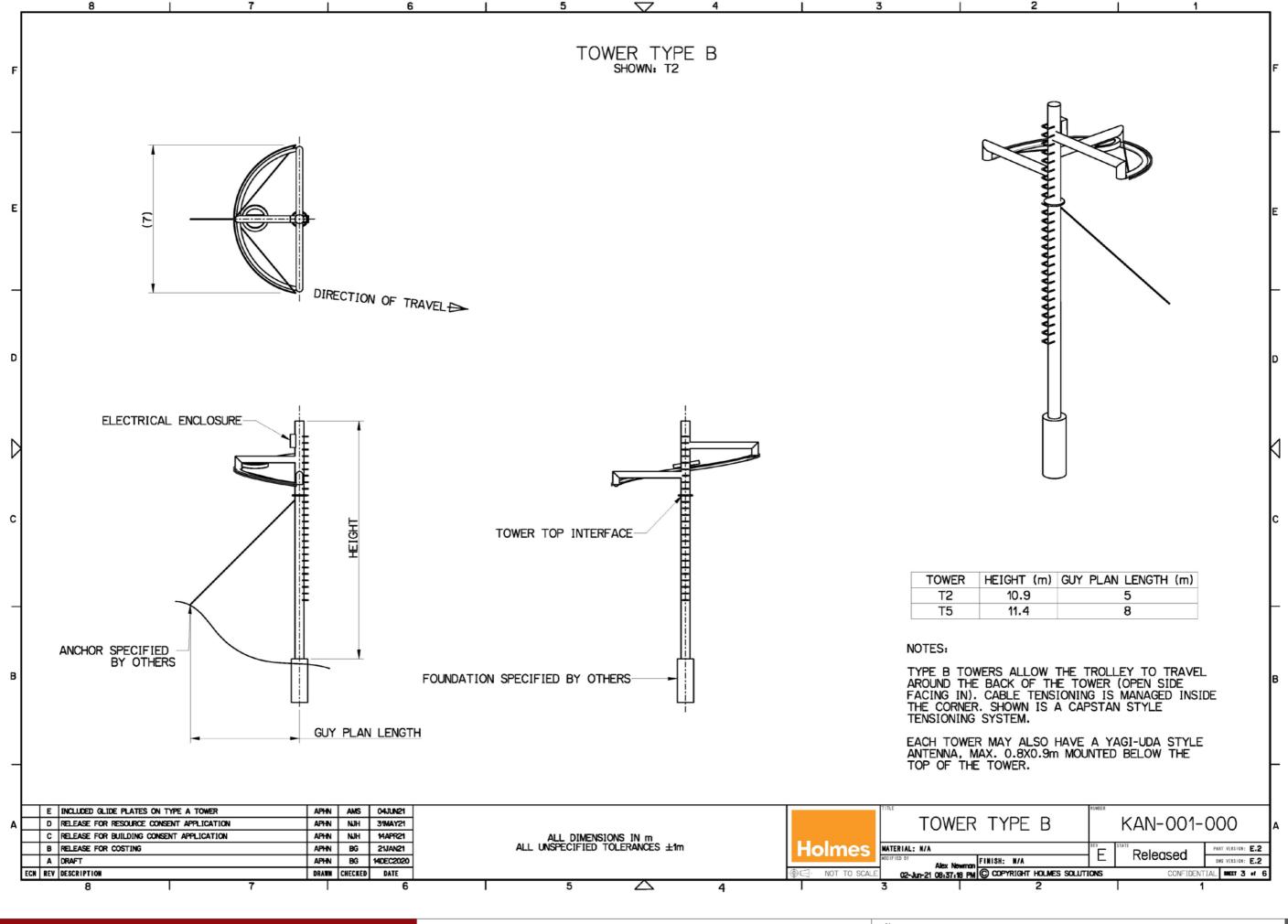
Tower	Image	Height (mm)	Total length (m	Total length of all guy cables (mm)	
	Material:	406.40D pipe, 12.7mm wall thickness	323.80D pipe, 12.7mm wall thickness	193.60D pipe, 12.7mm wall thickness	Galvanised wire rope, 16-30mm OD
Ħ		6400	7500	10000	17000
Т2		11000	10500	0	7000
тз		8500	7000	6000	6000

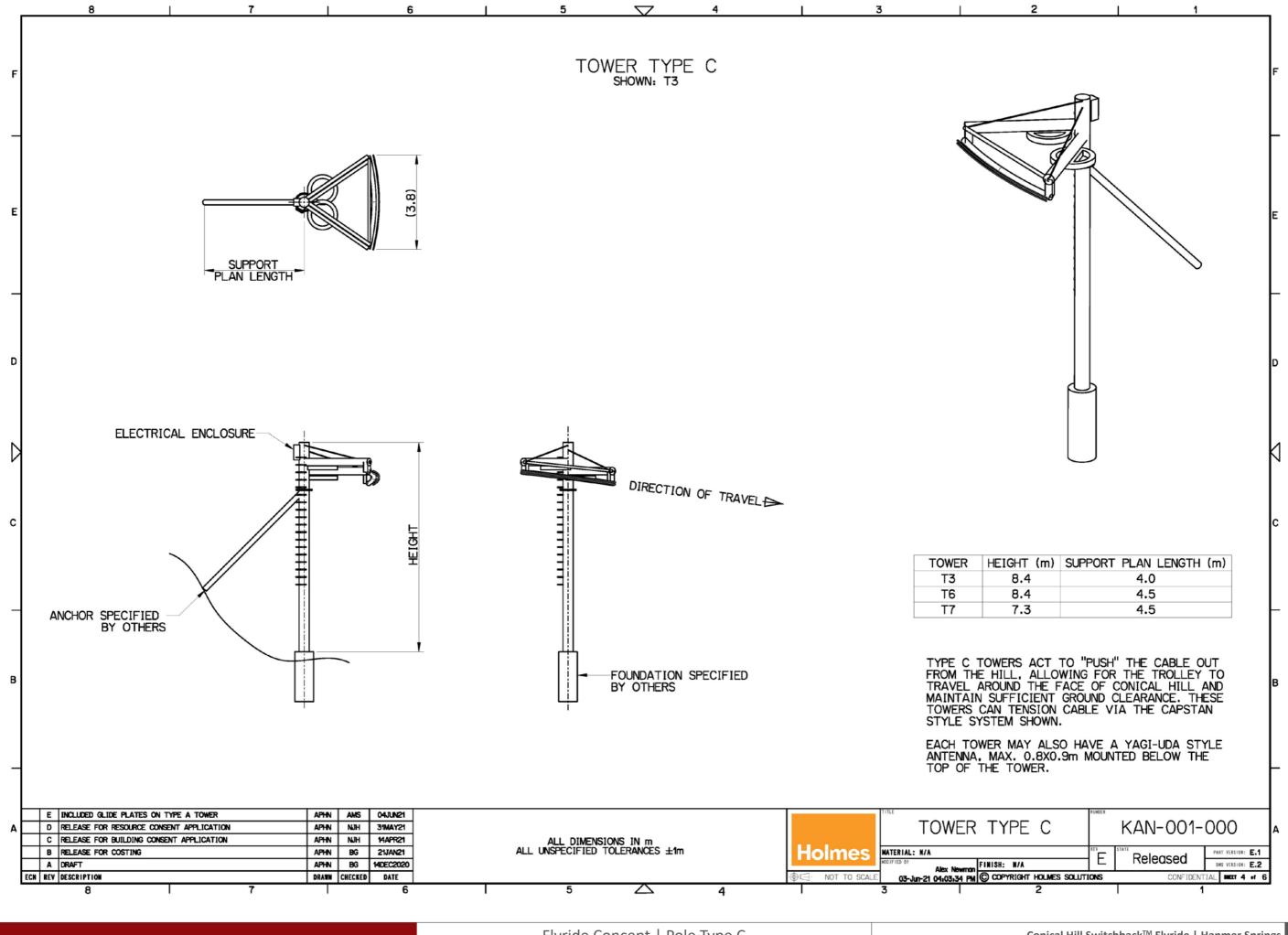
Tower	Image	Height (mm)	Total length of all arms (mm)		Total length of all guy cables (mm)
ТЧ		9800	9000	10000	21000
Т5		11500	10000	0	11000
Т6		8500	6000	7000	6000
77		7300	6000	6500	6000

earthworks and tree removal associated with ride construction

Earthworks volumes for construction access tracks and construction of pole foundations have not been calculated. The immediate work area around the base of each tower location will likely be cleared and smoothed (perhaps a 2m radius) to provide access for equipment and installation of foundations, poles and the anchor system.

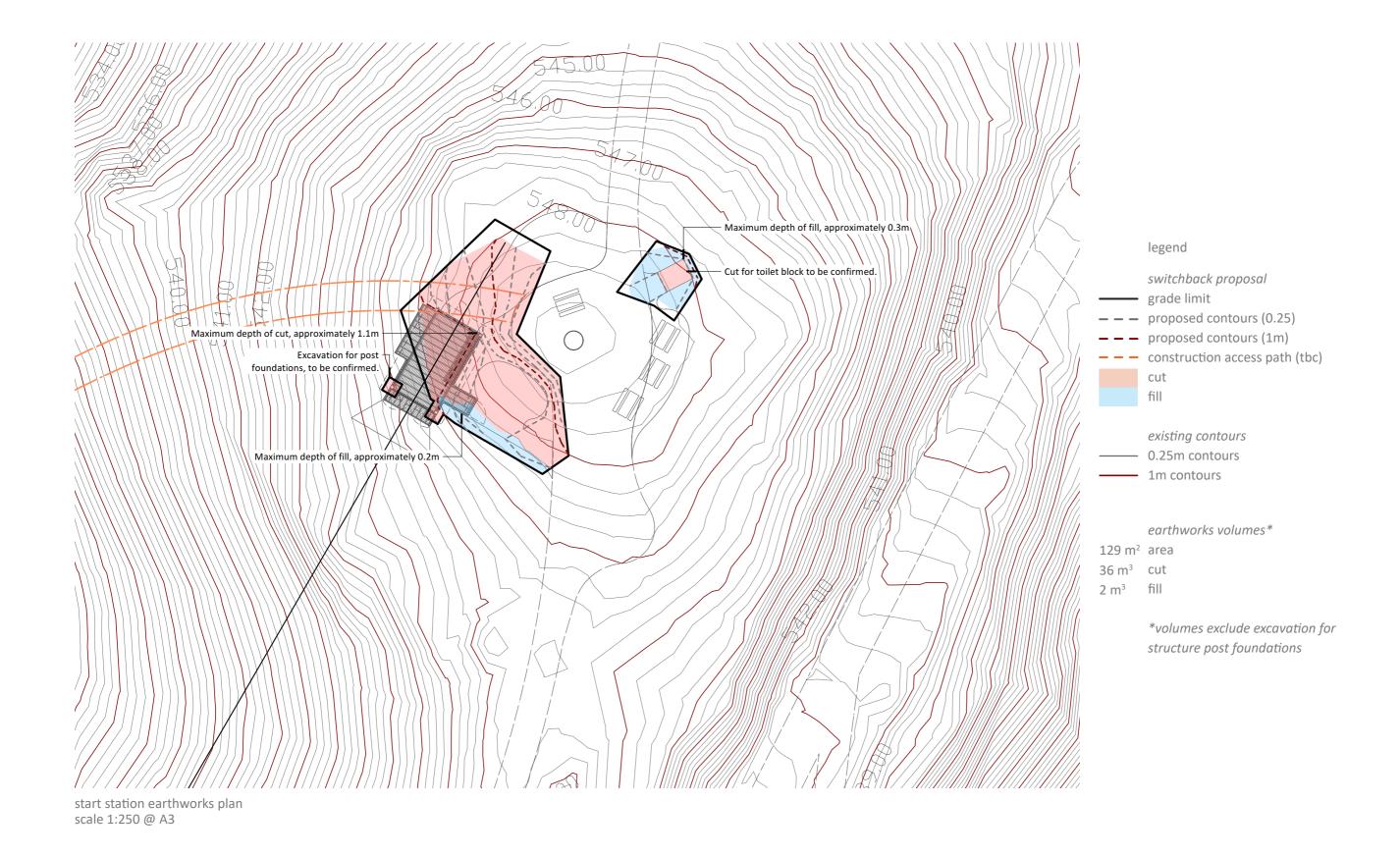


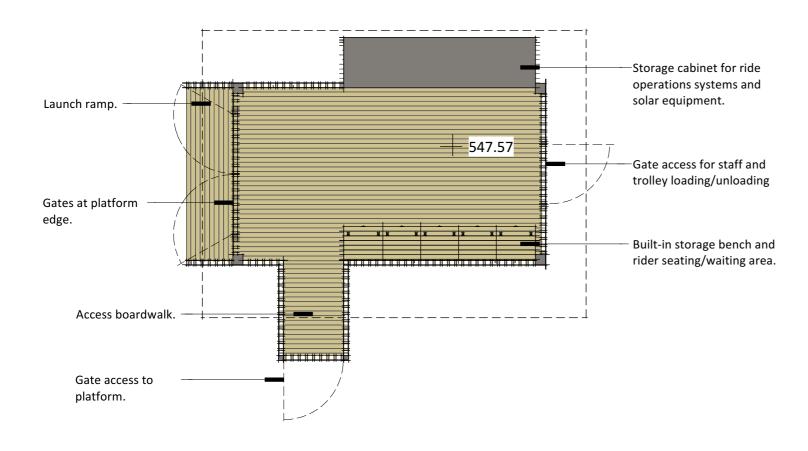




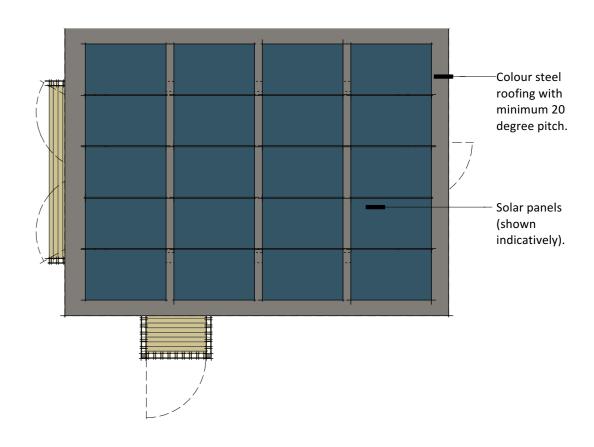


start station enlargement plan scale 1:250 @ A3

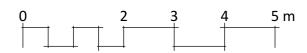


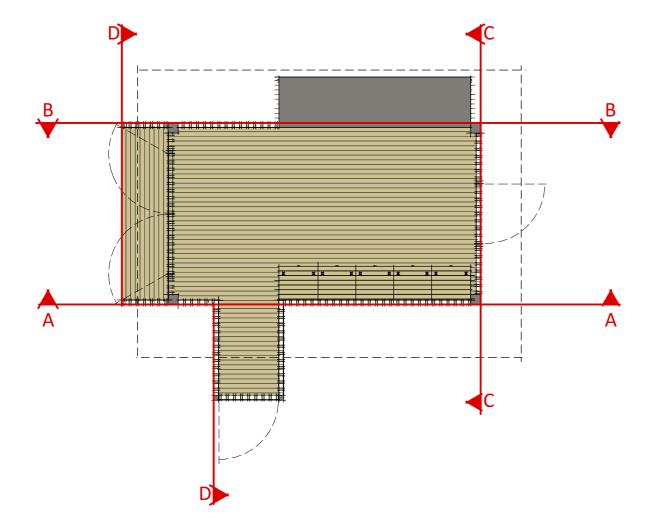


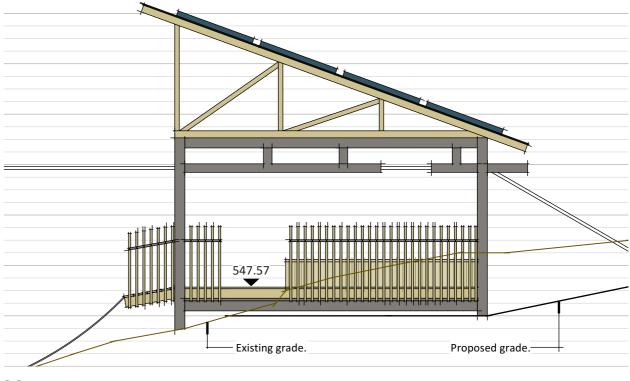
start station platform plan scale 1:75 @ A3



start station roof plan scale 1:75 @ A3

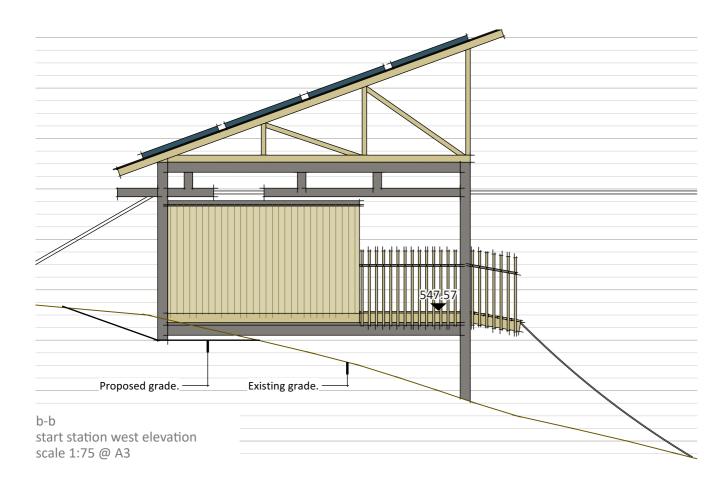


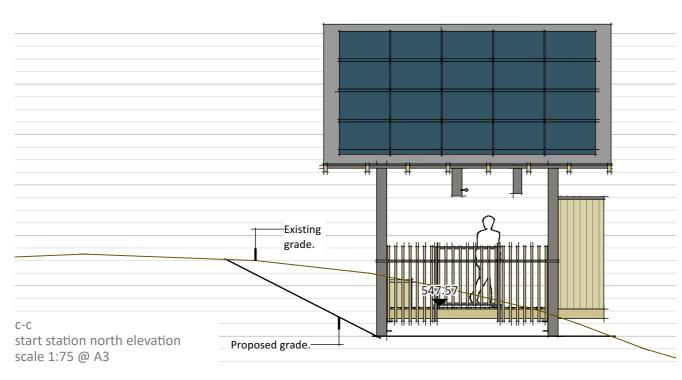


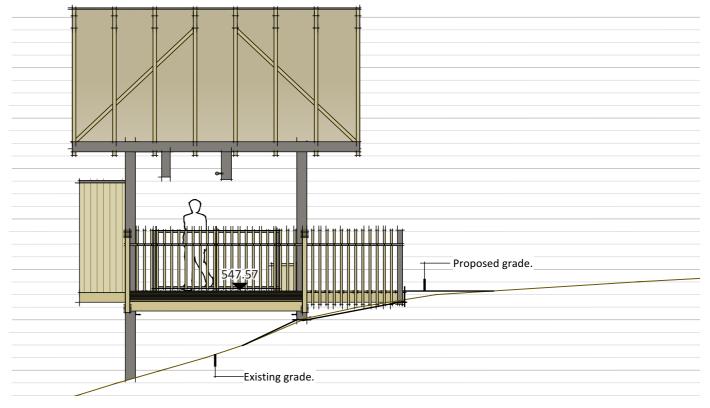


a-a start station east elevation scale 1:75 @ A3

\*roof design shown indicatively, to be confirmed in detail design

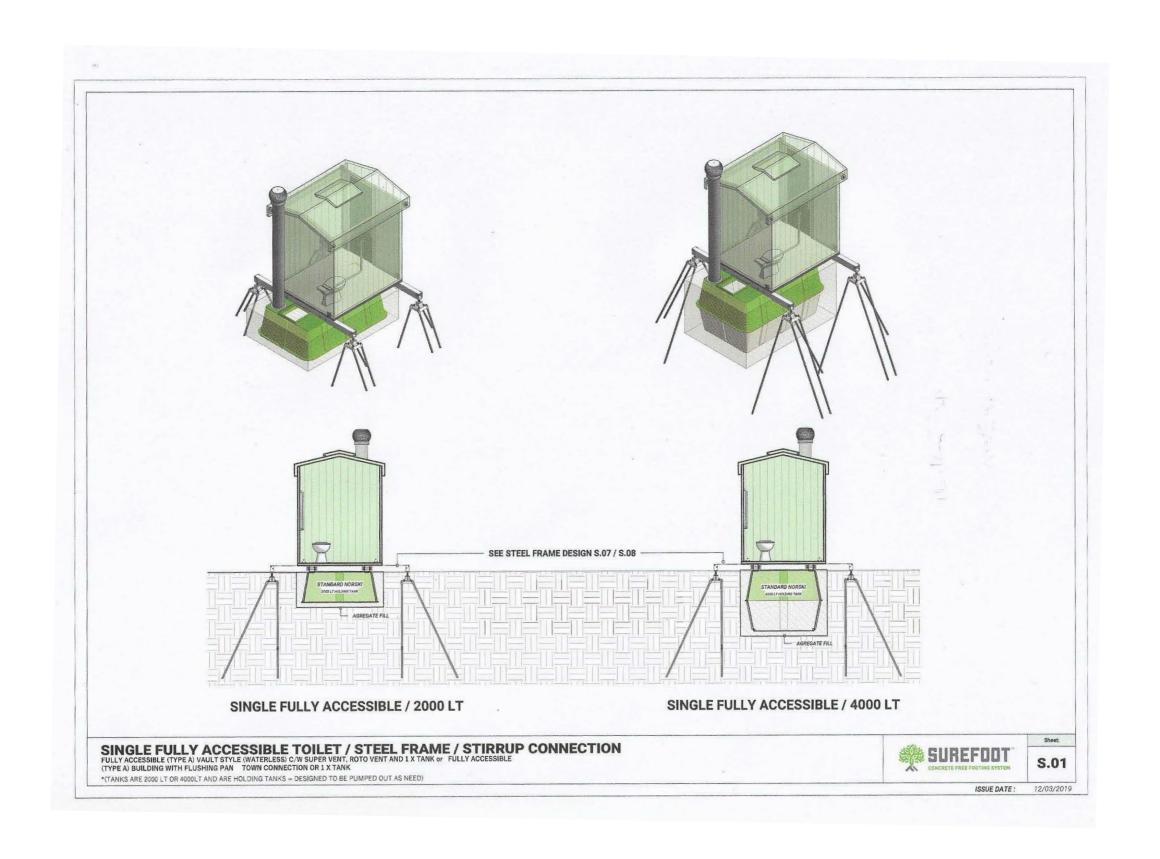


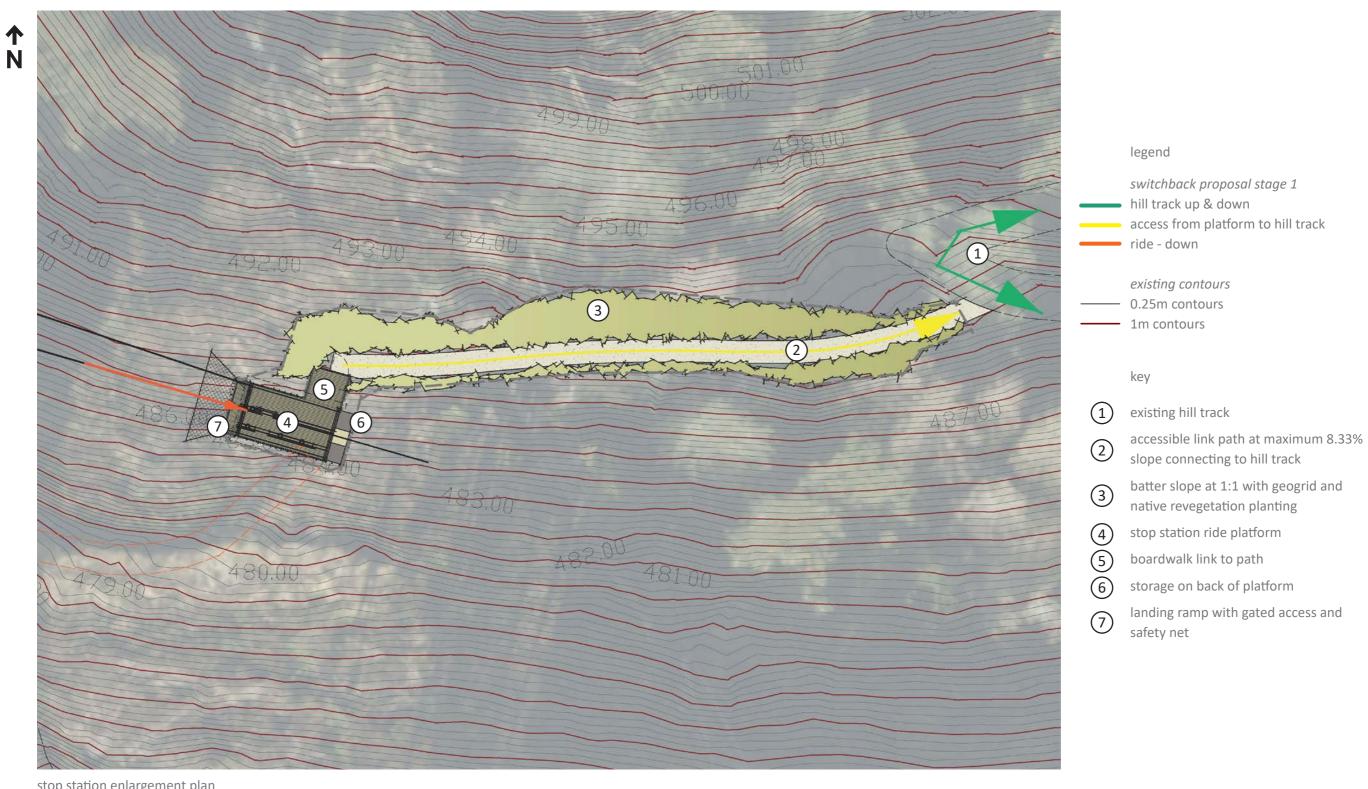




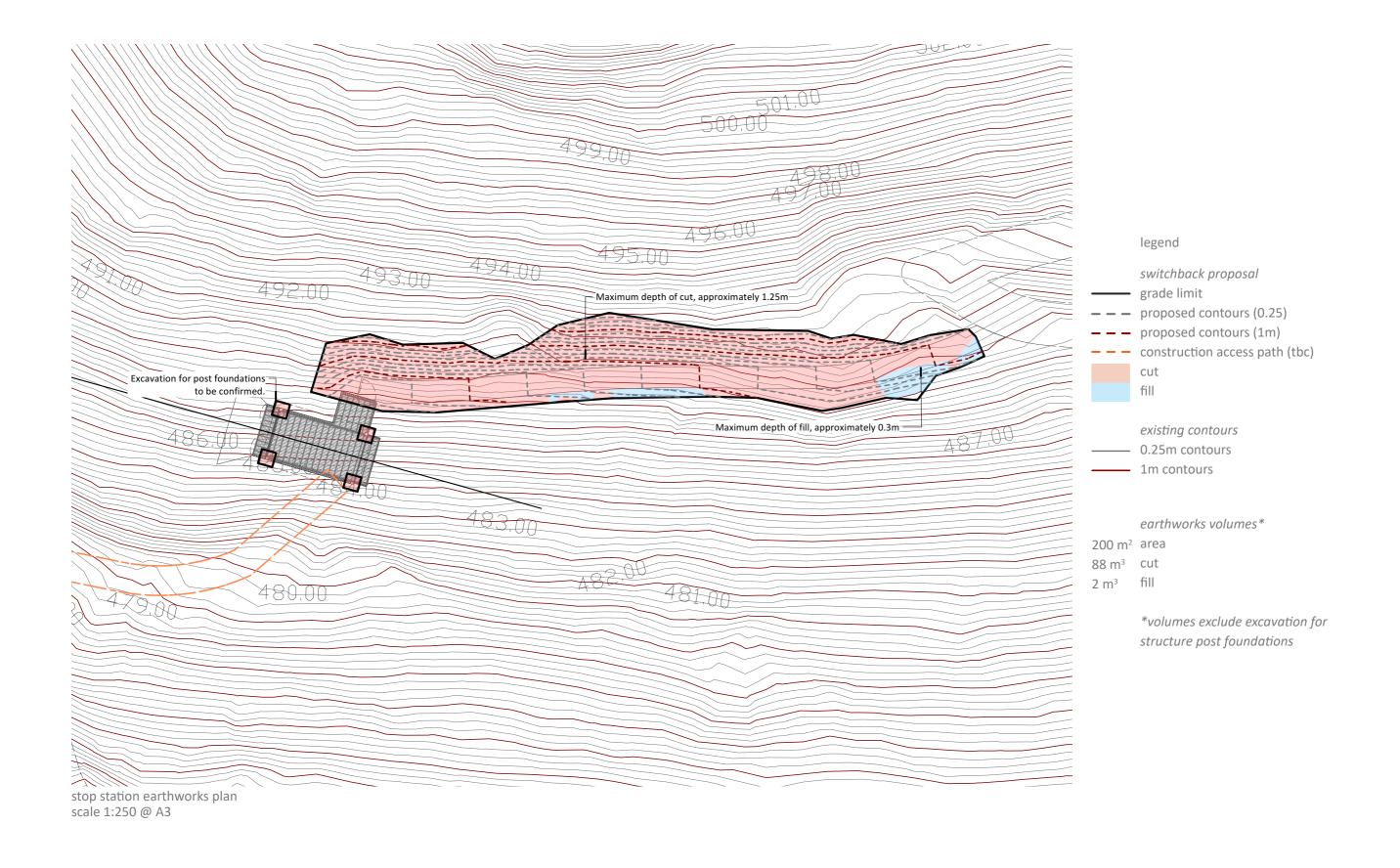
d-d start station south elevation scale 1:75 @ A3

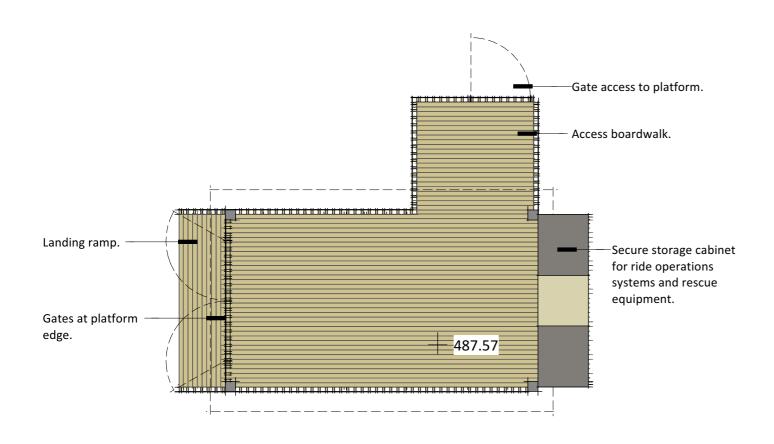
\*roof design shown indicatively, to be confirmed in detail design



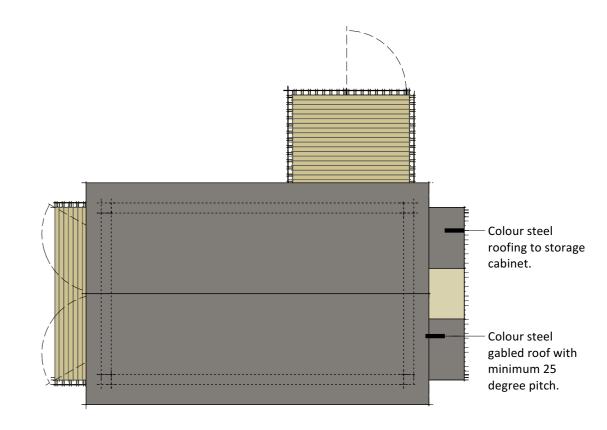


stop station enlargement plan scale 1:250 @ A3

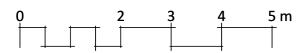


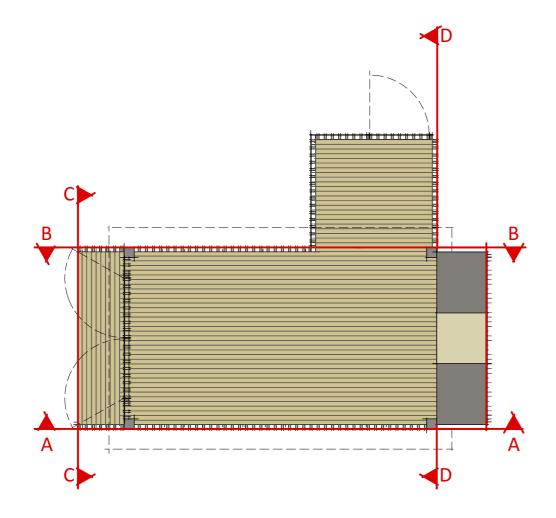


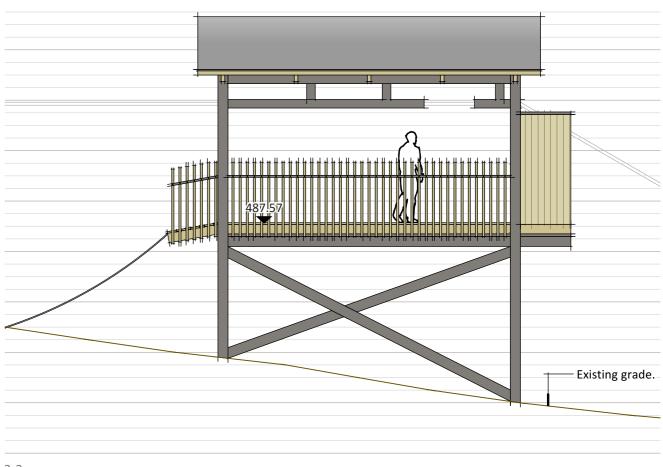
stop station platform plan scale 1:75 @ A3



stop station roof plan scale 1:75 @ A3

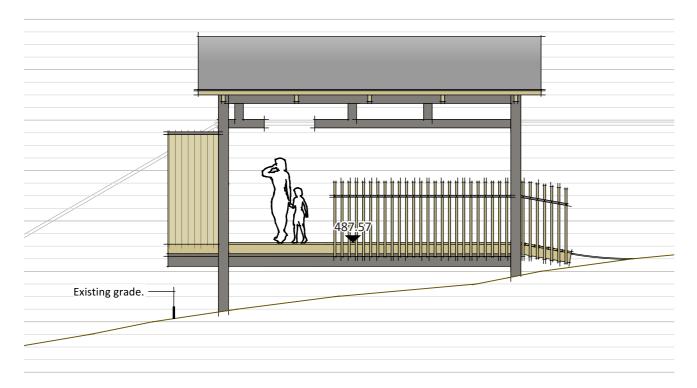






stop station south elevation scale 1:75 @ A3

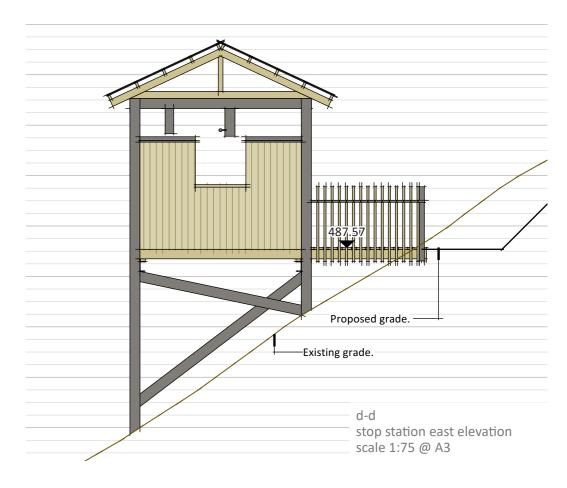
<sup>\*</sup>roof and bracing shown indicatively, to be confirmed in detail design

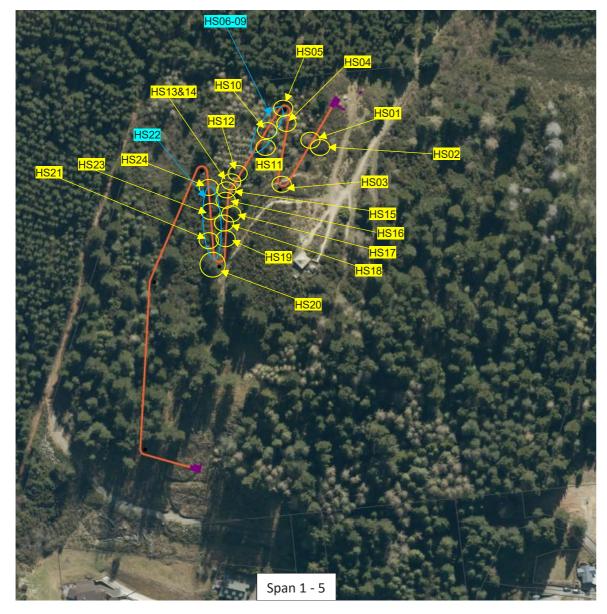


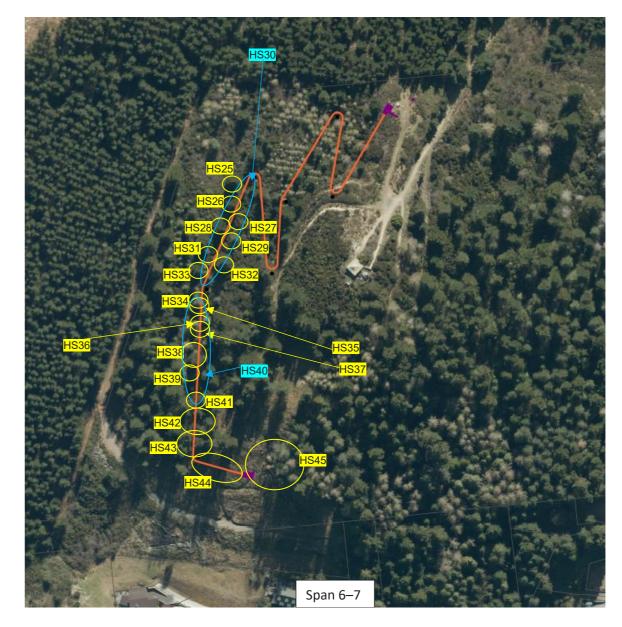
stop station north elevation scale 1:75 @ A3

\*roof and bracing shown indicatively, to be confirmed in detail design



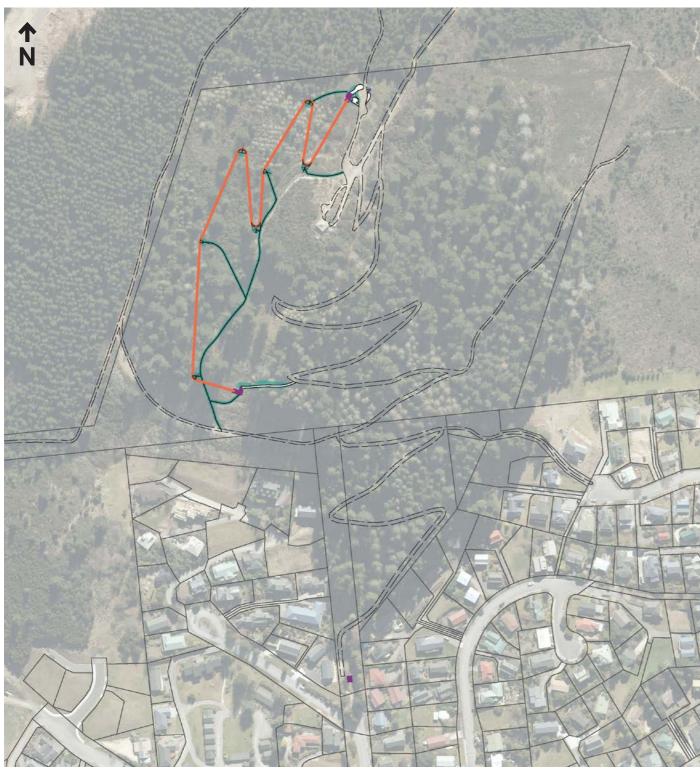






\*these plans document on site investigations for tree removal required for the pole locations and the ride cable path, which accounts for a rider clearance envelope of 5 m.

Tree ID	Quantity	Latin Name	Common Name	Height	Canopy	Dbh	Health	Structure	Potential problems	Distance from central alignment	Recommend	Pruning required
Span 1				Ŭ	· · · ·				'	-		5 -
HS01	2	Larix ssp	Larch ssp	12	5	0.3	3	3	Height	In alignment	Remove	
HS02	2	Pseudotsuga menziesii	Douglas fir	13	5	0.3	2	2	Side laterals	2-4m to side	Remove?	
Span 2												
HS03	6	Larix ssp	Larch ssp	12	5	0.3	3	3	Height	In alignment	Remove?	
HS04	1	Pseudotsuga menziesii	Douglas fir	14	6	0.3	3	3	Side laterals	In alignment	Prune	Yes, northeast face
Span 3		Ü	Š							Ü		
HS05	1	Larix ssp (at tower 2)	Larch ssp	12	5	0.2	3	3	Height	Tower conflict at tower 2	Remove	
HS06	6	Larix ssp	Larch ssp	13	4	0.2	3	3	Height	In alignment	Remove	
HS07		Kunzea ericoides (Several)	Kanuka	8	2	0.15	3	3	Height	In alignment	Prune	Yes
HS08	1	Pinus radiata	Monterey Pine	18	10	0.6	3	3	Height	In alignment	Remove	
HS09	8	Larix ssp	Larch ssp	12	2	0.15	3	3	Height	In alignment	Remove	
HS10	1	Pinus radiata	Monterey Pine	18	6	0.6	3	3	Height	In alignment	Remove	
HS11	1	Pinus radiata	Monterey Pine	18	6	0.6	3	3	Side laterals	2-4m to side	Prune	Yes, northwest face
HS12	8	Larix ssp	Larch ssp	12	2	0.15	3	3	Height	In alignment	Remove	,
HS13	4	Larix ssp	Larch ssp	10	2	0.15	3	3	Height	In line at tower 3	Remove	
HS14	1	Pinus radiata	Monterey Pine	18	6	0.6	3	3	Height	In line at tower 3	Remove	
Span 4	-	- India todata			l Ť					in initial tower 5		
HS15	1	Pseudotsuga menziesii	Douglas fir	14	6	0.3	3	3	Height/side laterals	In alignment	Remove	
HS16	1	Pinus radiata	Monterey Pine	16	10	0.6	3	3	Side laterals	2-4m to side	Remove	
HS17	1	Pseudotsuga menziesii	Douglas fir	10	10	0.3	3	3	Height/side laterals	In alignment	Prune	Yes, northwest face
HS18	1	Pseudotsuga menziesii	Douglas fir	12	6	0.3	3	3	Height/side laterals	In alignment	Remove	res, northwest race
HS19	1	Pinus radiata	Monterey Pine	10	6	0.3	3	3	Height/side laterals	In alignment	Remove	
HS20	1	Pinus radiata	Monterey Pine	20	12	0.6	3	2	Height/side laterals	In alignment	Remove	
Span 5		Fillus ladiata	ivioriterey Fille	20	12	0.0	3	3	rieigiit/side laterais	iii aligiiiiieiit	Remove	
HS21	2	Pinus radiata	Monterey Pine	14	6	0.25	3	3	Height/side laterals	In alignment	Remove	
HS22	Several	Kunzea ericoides (Several)	Kanuka	5	4	0.25	2	3	Height/side laterals	In alignment	Prune	Reduce in height
HS23	3everai 1	Pinus radiata		20	10	1m	2	3	Height/side laterals		Remove	Reduce III Height
HS24	1		Monterey Pine	12	4		3	3		In alignment		
-		Pinus radiata	Monterey Pine	12	4	0.3	3	3	Height/side laterals	In alignment	Remove	
Span 6 HS25	1	Diama va diata	Mantaray Dina	1.4		0.3	-	3	Haight/aida latarala	2 Am to side	Domesia	
-	1	Pinus radiata	Monterey Pine	14 16	6 8	0.3	2		Height/side laterals	2-4m to side	Remove	
HS26 HS27	1	Pinus radiata	Monterey Pine			0.6	3	3	Height/side laterals	2-4m to side 2-4m to side	Remove	Demonstration and the second
	1	Pinus radiata	Monterey Pine	16	8	0.6	3	3	Height/side laterals	2-4m to side	Prune	Remove multi stem
HS28	1	Pinus radiata	Monterey Pine	16			3		Height/side laterals		Remove	
HS29	_	Pinus radiata	Monterey Pine	16	8	0.6	3	3	Height/side laterals	2-4m to side	Remove	Height and one by 4 Fan
HS30	Several	Kunzea ericoides (Several)  Pinus radiata	Montoroupino	6	4	0.3 1.25m	2	3	Height/side laterals	2-4m to side 2-4m to side	Prune Multi stammad	Height reduce by 1.5m
HS31 HS32	2		Monterey Pine	24 12	10 6	1.25m 0.3	3	3	Height/side laterals	2-4m to side 2-4m to side	Multi stemmed	
HS32 HS33	5	Pseudotsuga menziesii	Douglas fir		10	0.0	2 2	3	Height/side laterals	2-4III to side	Remove	
	1	Pinus radiata	Monterey Pine	16	10	0.6	3	3			Remove	
Span 7	1	Lariy con (9m chainaga chan 7)	Larch con	15	0	0.2	2	3	Height/side laterals	In alignment at tower C	Pomovo	
HS34	1	Larix ssp (8m chainage span 7)	Larch ssp	15	8 4	0.3	2 2	3		In alignment at tower 6	Remove	Haight Dadusa
HS35	1 1	Sorbus ssp (8m chainage span 7)	Mountain Ash	1.4		0.15	2	~	Height/side laterals	In alignment	Prune	Height Reduce
HS36	2	Larix ssp	Larch ssp	14	5	0.25	3	3	Height/side laterals	2-4m to side	Remove	Height Dadings
HS37	1	Sorbus ssp (24m chainage span 7)	Mountain Ash	6	4	0.15	3	3	Height/side laterals	In alignment	Prune	Height Reduce
HS38	1	Pinus radiata (35m chainage span 7)	Monterey Pine	22	8	0.8	3	3	Height/side laterals	In alignment	Remove	
HS39	1 Carranal	Cupressus leylandii	Leyland Cypress	12	8	0.3	1 2	2	Height/side laterals	In alignment	Remove	
HS40	Several	Kunzea ericoides (Several), Sorbus ssp	Kanuka, Mountain Ash	8	4	0.15	3	3	Height/side laterals	In alignment	Remove	
HS41	1	Pinus radiata (57m chainage span 7)	Monterey Pine	22	8	0.8	4	4	Height/side laterals	In alignment	Remove	
HS42	3	Pinus radiata	Monterey Pine	18	6	0.6	4	4	Height/side laterals	In alignment	Remove	
HS43	3	Pinus radiata	Monterey Pine	22	8	.8 average	3	4	Height/side laterals	In alignment at tower 7	Prune/Remove?	Height reduce/Remove
HS44		Low lying Broom for platform beyond tower 7									Remove	
HS45	Stand	Pinus radiata (stand)	Monterey Pine	22	8	0.6	4	4	Height/side laterals	Beyond platform	Prune/Remove?	Remove hanging tree and general tree maintenance



revegetation diagram scale 1:5000 @ A3



Corokia cotoneaster Korokio



Leptecophylla juniperina Prickly Mingimingi



revegetation plant palette



Coprosma propinqua

Melicytus alpinus Porcupine Shrub



Discaria toumatou Matagouri



Muehlenbeckia axillaris Creeping Wire Vine



Kunzea serotina Kanuka



Poa cita Silver Tussock



\*revegetation planting is proposed for the construction access tracks and for disturbed areas of earthworks around the towers and platforms. The area of revegetation planting as shown, is approximately 940 sq m. Revegetation will also be included where tree felling occurs along the ride track, the extent of these works is to be confirmed.

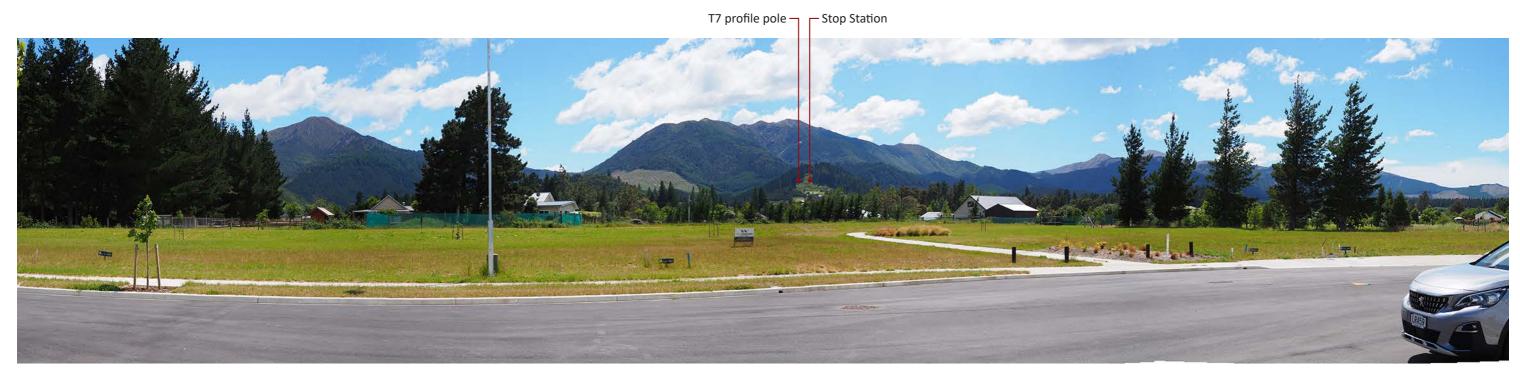
Plant species will be sourced at revegation grades and spaced at a maximum of 1m centres.





Viewpoint 1: Located east of the intersection of Hanmer Springs Road (SH7A) and Argelins Road at a distance of approximately 2.3km from the application site.

Camera: Canon 7DMkII, Sigma 30mm F1.4 Art Series Lens Focal Length: 48mm Print Size: A3



Viewpoint 2: Located at the north end of the new subdivision on Woodbank Road adjacent to the pedestrian/cycle connection to Rippingale Road at a distance of approximately 2km from the application site. Date: 7 December 2020 Time: Between 11:00 am and 1:00 pm

Camera: Olympus OM-D E-M10 Mark II Focal Length: 25mm Print Size: A3



Viewpoint 3: Located on Rippingale Road west of Hanmer Springs Golf Course at a distance of approximately 1.5km from the application site.

Camera: Canon 7DMkII, Sigma 30mm F1.4 Art Series Lens Focal Length: 48mm Print Size: A3



Viewpoint 4: Located on Rippingale Road near the intersection of Grantham Drive, at a distance of approximately 1.2km from the application site.

Date: 7 December 2020 Time: Between 11:00 am and 1:00 pm

Camera: Canon 7DMkII, Sigma 30mm F1.4 Art Series Lens Focal Length: 48mm Print Size: A3



Viewpoint 5: Located at the public open space on the east side of Conical Hill Road, north of the intersection with Jollies Pass Road, at a distance of approximately 900m from the application site.

Camera: Canon 7DMkII, Sigma 30mm F1.4 Art Series Lens Focal Length: 48mm Print Size: A3



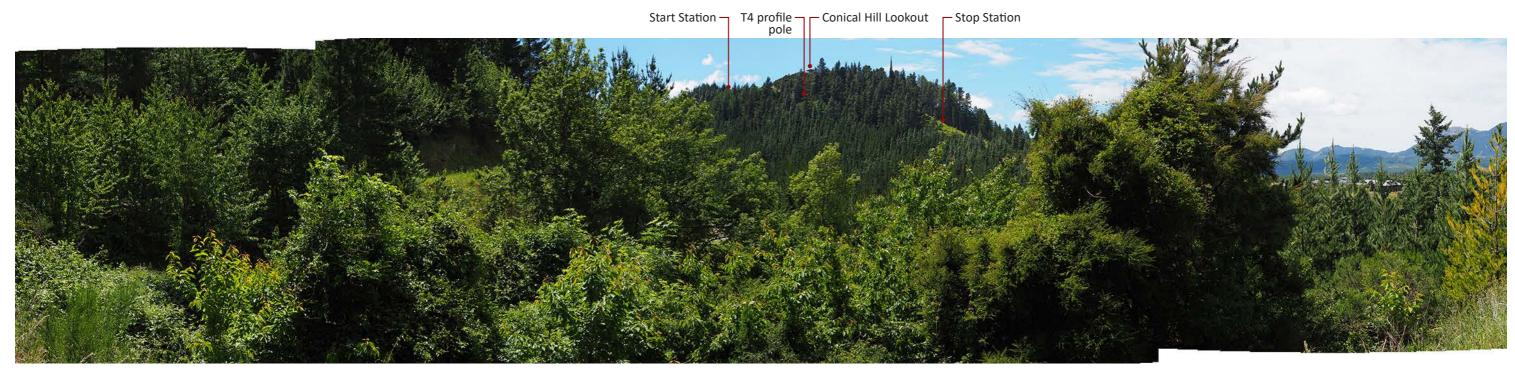
Viewpoint 6: Located on Jacks Pass Road, north of Hanmer Springs Reserve and Playground, at a distance of approximately 750m from the application site.

Date: 7 December 2020 Time: Between 11:00 am and 1:00 pm Camera: Olympus OM-D E-M10 Mark II Focal Length: 25mm Print Size: A3



Viewpoint 7: Located at the west end of Chisholm Park along Chisholm Crescent at a distance of approximately 700m from the application site.

Camera: Canon 7DMkII, Sigma 30mm F1.4 Art Series Lens Focal Length: 48mm Print Size: A3



Viewpoint 8: Located on Clarence Valley Road at a distance of approximately 580m from the application site.

Date: 7 December 2020 Time: Between 11:00 am and 1:00 pm Camera: Olympus OM-D E-M10 Mark II Focal Length: 25mm Print Size: A3



Viewpoint 9: Located on Oregon Heights, at a distance of approximately 200m from the proposed stop station.

Date: 17 January 2021 Time: Between 10:00 am and 12:00 pm Camera: Olympus OM-D E-M10 Mark II Focal Length: 25mm Print Size: A3



Viewpoint 10: Located on the north side of the Lookout on top of Conical Hill, looking to the north.

Date: 17 January 2021 Time: Between 10:00 am and 12:00 pm Camera: Olympus OM-D E-M10 Mark II Focal Length: 25mm Print Size: A3