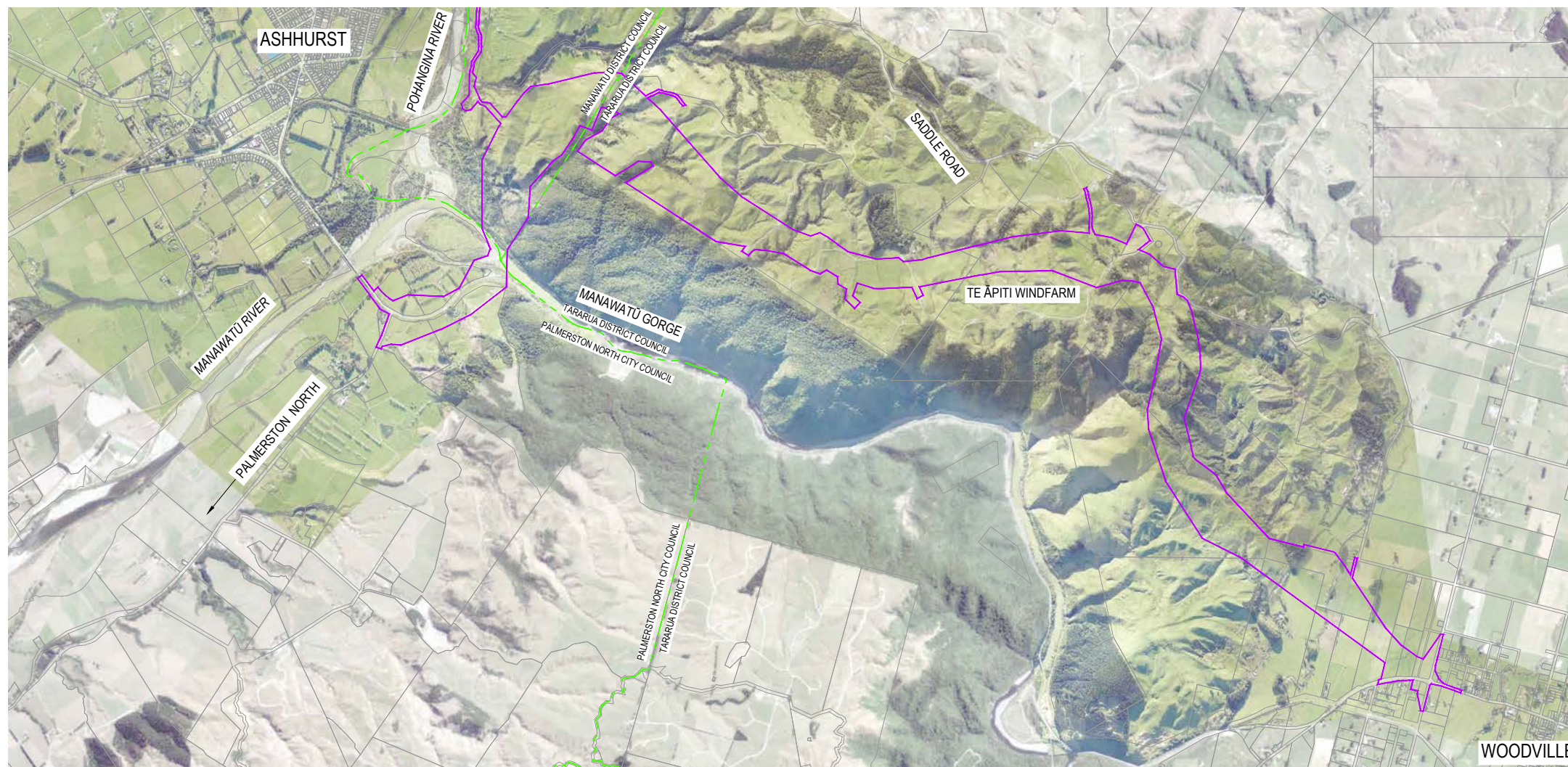
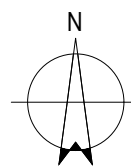




Te Ahu a Turanga; Manawatū Tararua Highway Notices of Requirement for Designations Volume Four: Drawings and plans

TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY NOTICE OF REQUIREMENT FOR DESIGNATIONS



FOR NOTICE OF REQUIREMENT

A	FOR SUBMISSION	WS	AW*	AM*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date

DO NOT SCALE

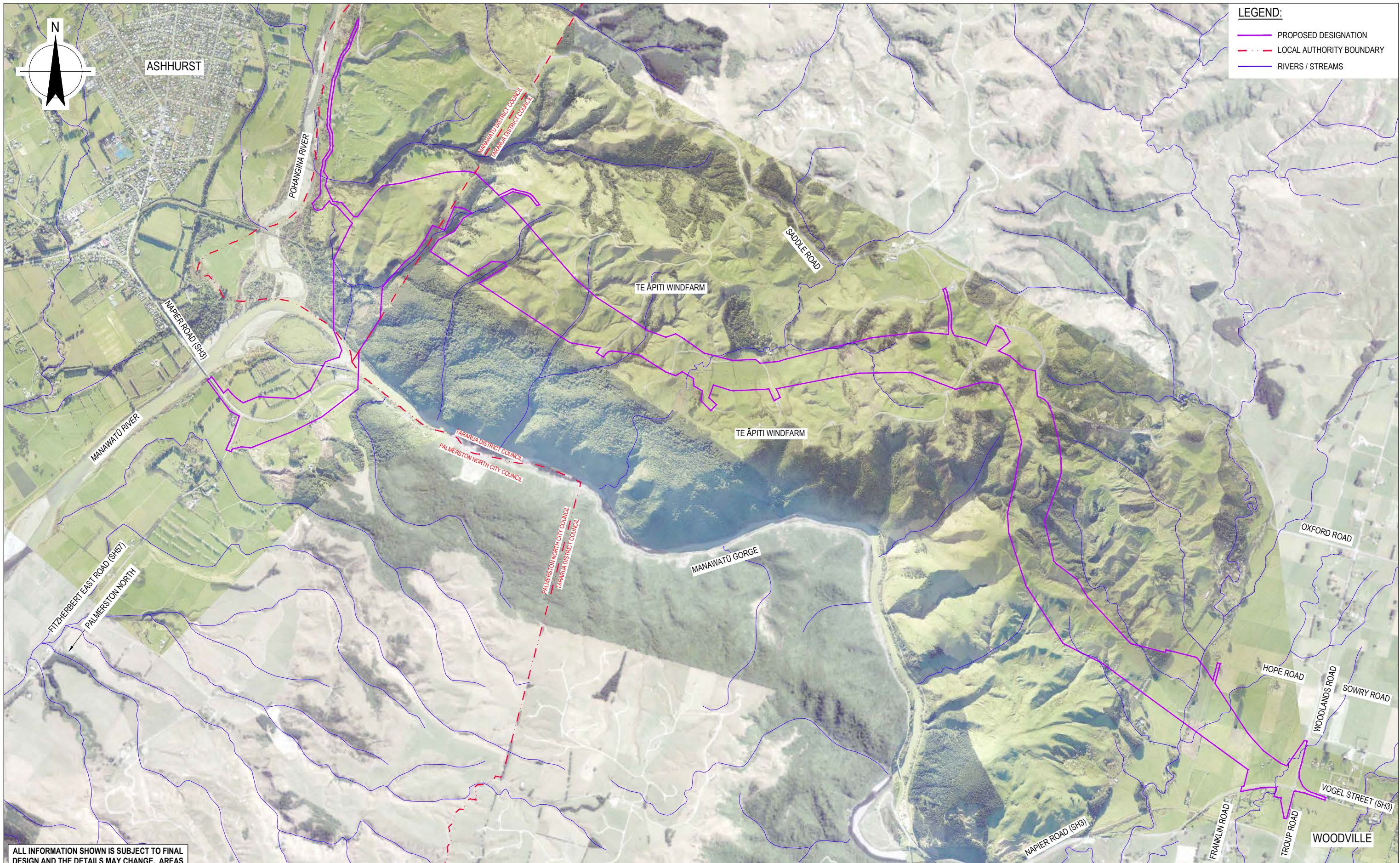
GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	N.T.S.		

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	COVER SHEET AND LOCATION PLAN		
Original Size	Project Number:	51-38113	Drawing Number: G-00 Rev: A



**CONTEXT
DRAWINGS**



LEGEND:

- PROPOSED DESIGNATION
- - - LOCAL AUTHORITY BOUNDARY
- RIVERS / STREAMS



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

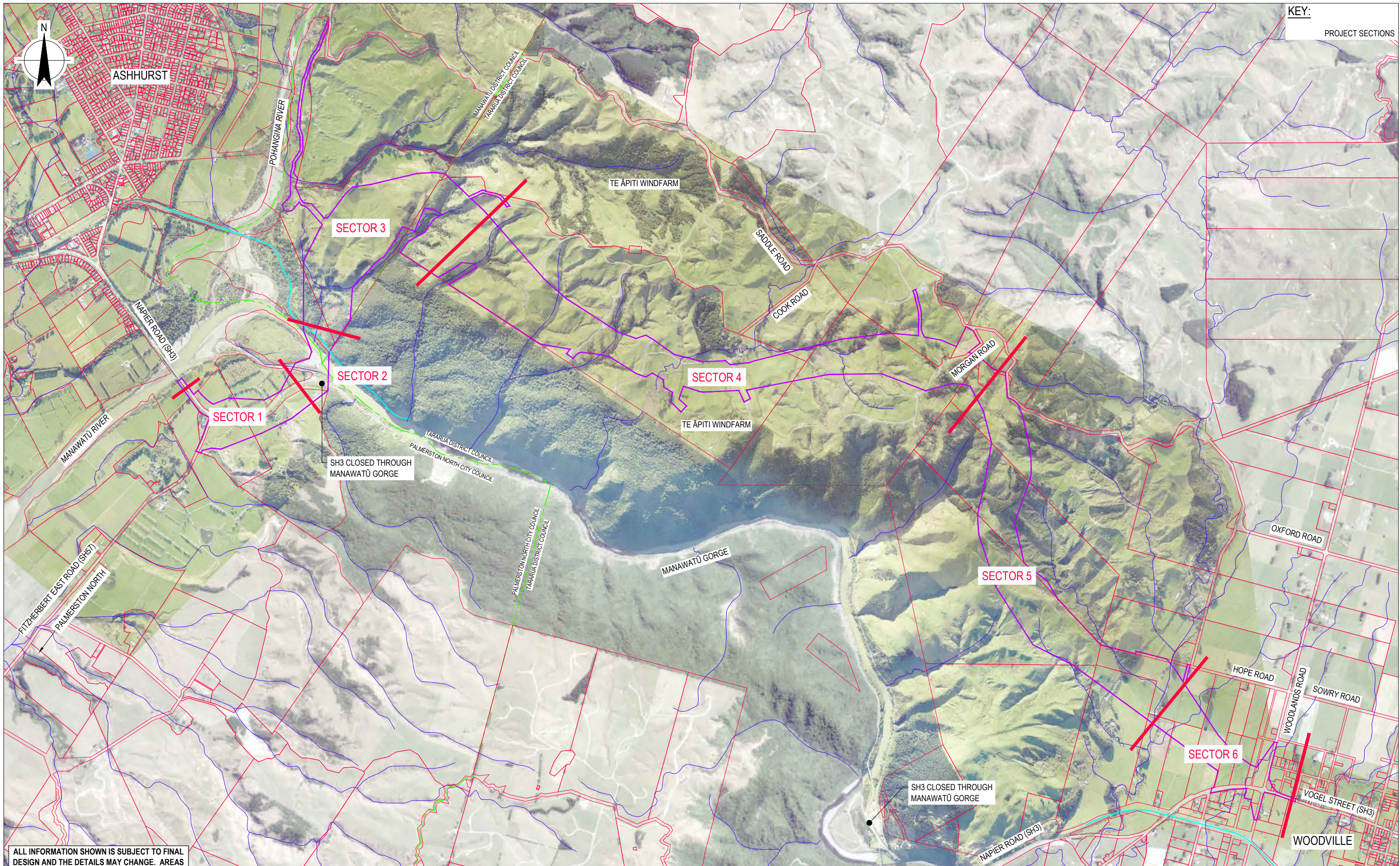
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
A	FOR SUBMISSION		WS	AW*	AW*	10/18



GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

DO NOT SCALE	
Drawn W SMITH	Designed T CRONIN
Drafting Check T CRONIN*	Design Check A WHALEY*
Approved A WHALEY*	
Date OCTOBER 2018	
Scale N.T.S.	This Drawing must not be used for Construction unless signed as Approved

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	TERRITORIAL AUTHORITY BOUNDARIES		
Original Size	Project Number: 51-38113	Drawing Number: C-01	Rev: A



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A	FOR SUBMISSION	WS	AW*	AM*	10/18
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved
					Date



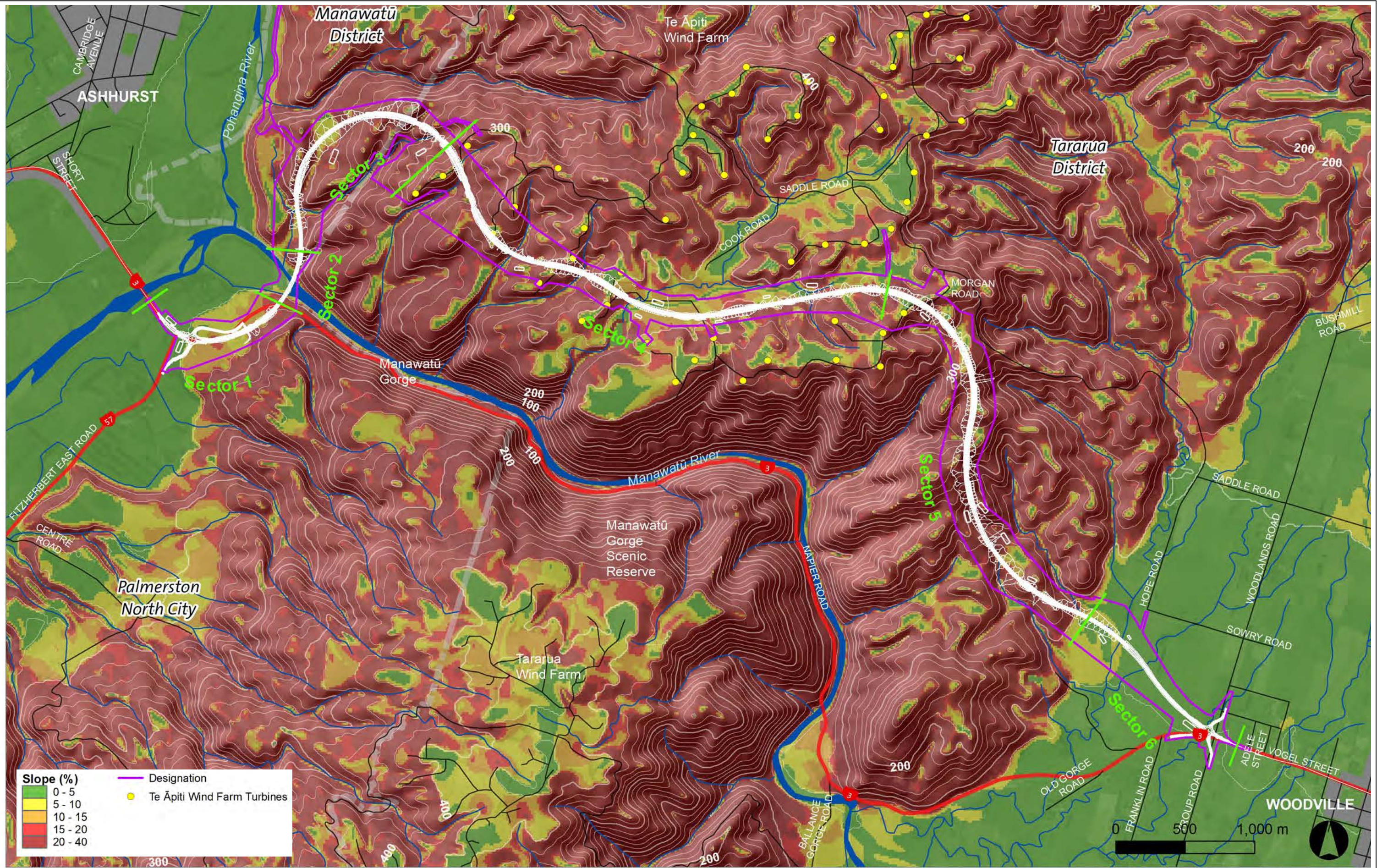
GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

DO NOT SCALE
 GHD Limited
 Conditions of Use:
 This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	N.T.S.		

This Drawing must not be used for Construction unless signed as Approved

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	PROJECT SECTIONS PLAN		
Original Size	Project Number:	Drawing Number:	Rev:
A1	51-38113	C-02	A



Slope (%)		Designation
0 - 5	Green	Te Āpiti Wind Farm Turbines
5 - 10	Yellow	
10 - 15	Orange	
15 - 20	Red	
20 - 40	Dark Red	

No	Revision	Note	Drawn	Checked	Approved	Date



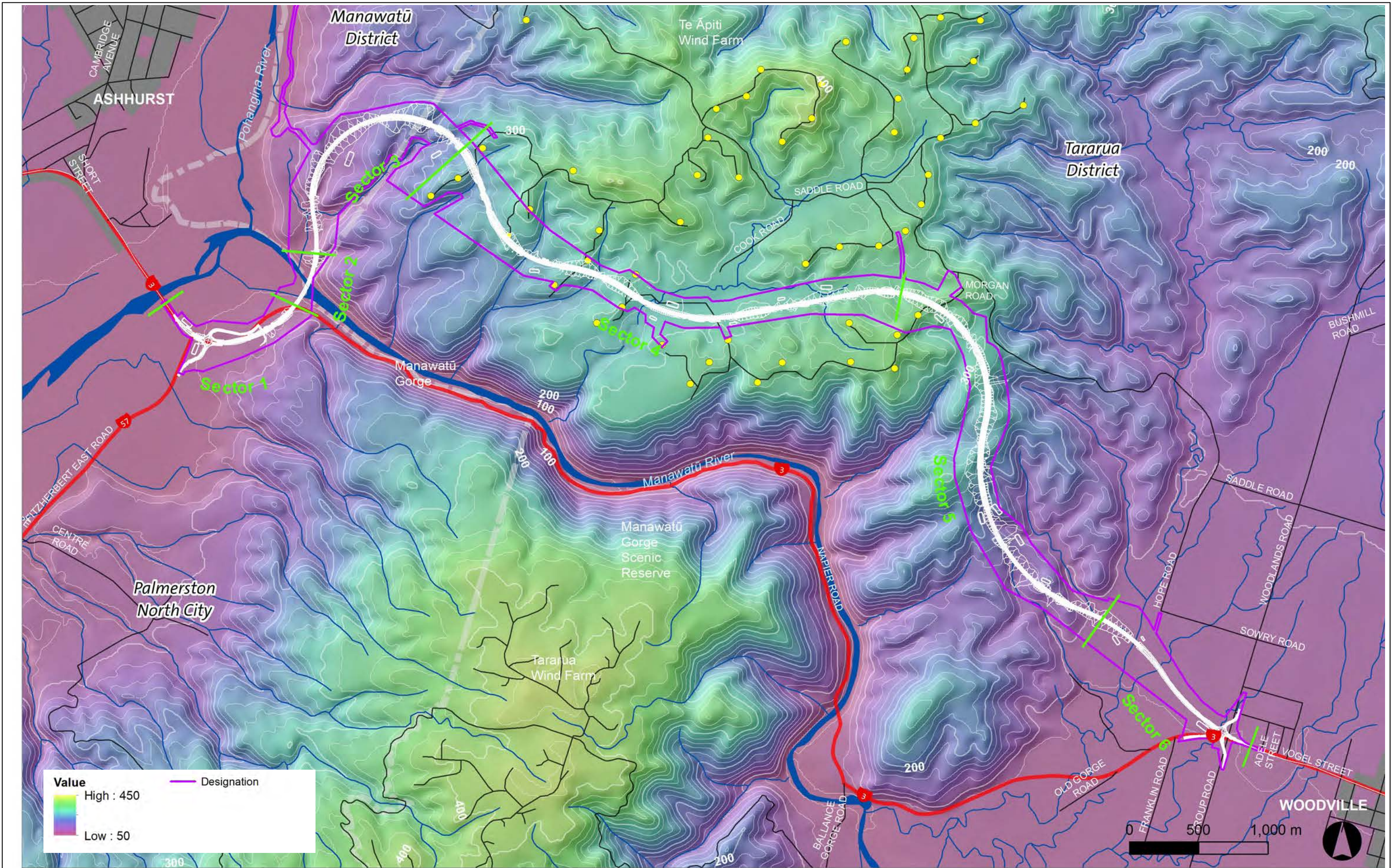
DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by
GHD's client (and any other person who
GHD has agreed can use this document)
for the purpose for which it was prepared
and must not be used by any other
person or for any other purpose.

Drawn **MDu**
Drafting Check **BEv**
Approved **BEv**
Date **25 Oct 2018**
Scale **As Shown**

Designed **BEv/BFa**
Design Check **BEv**
This Drawing must not be
used for construction unless
signed as Approved.

Client **NZ TRANSPORT AGENCY**
Project **TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY SLOPE**
Title
Original Size **A3**
Project Number: **51-38113**
Drawing Number: **C-03**
Rev:



No	Revision	Note	Drawn	Checked	Approved	Date

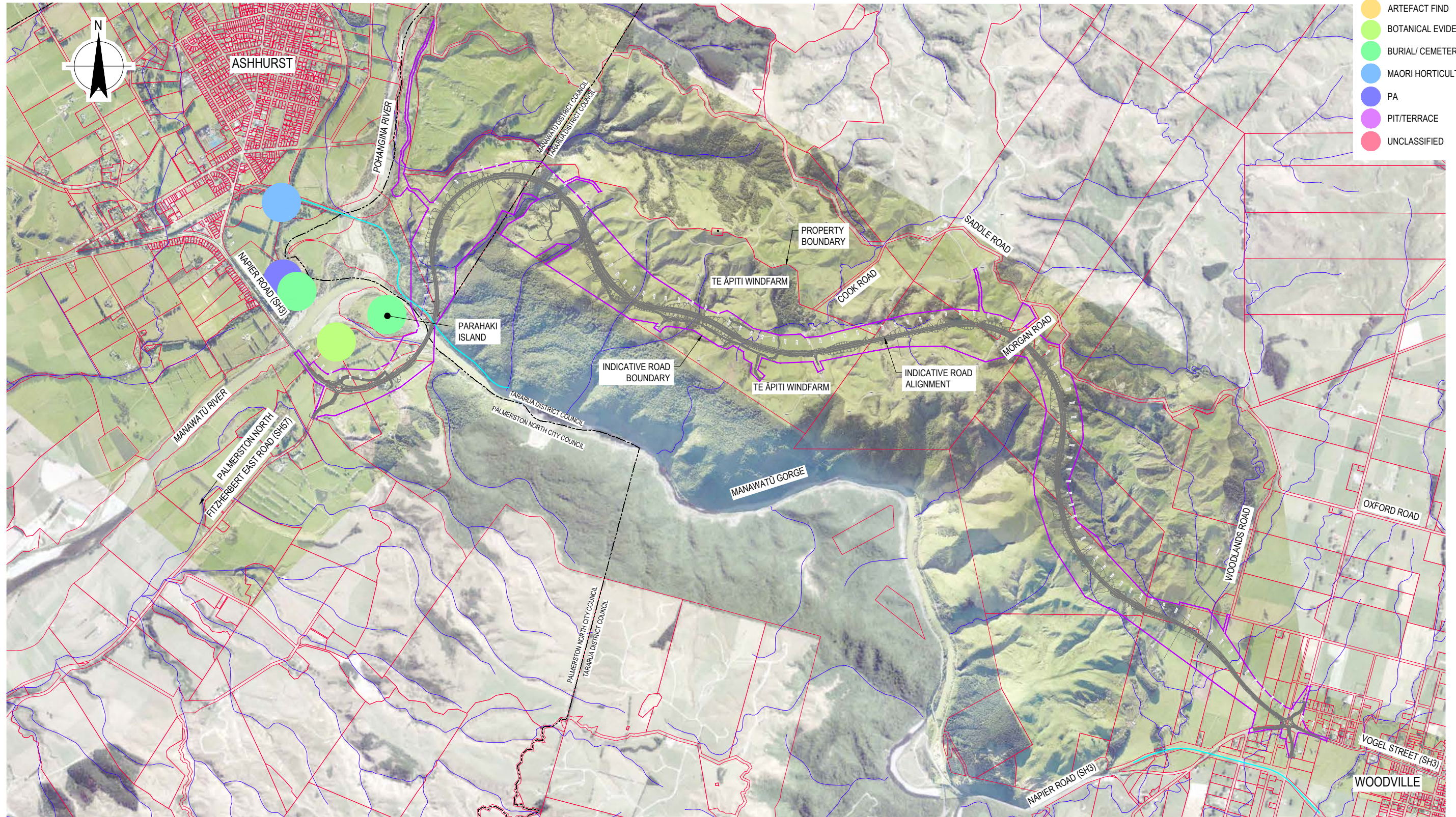


DO NOT SCALE	Drawn MDu	Designed BEv/BFa
GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	Drafting Check BEv	Design Check BEv
	Approved BEv	
	Date 25 Oct 2018	
	Scale As Shown	This Drawing must not be used for Construction unless signed as Approved

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY ELEVATION		
Title	ELEVATION		
Original Size A3	Project Number: 51-38113	Drawing Number: C-04	Rev:

LEGEND

- AGRICULTURAL/ PASTORAL
- ARTEFACT FIND
- BOTANICAL EVIDENCE
- BURIAL/ CEMETERY
- MAORI HORTICULTURE
- PA
- PIT/TERRACE
- UNCLASSIFIED



PLAN
N.T.S.

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
A	FOR SUBMISSION		WS	AW*	AW*	10/18



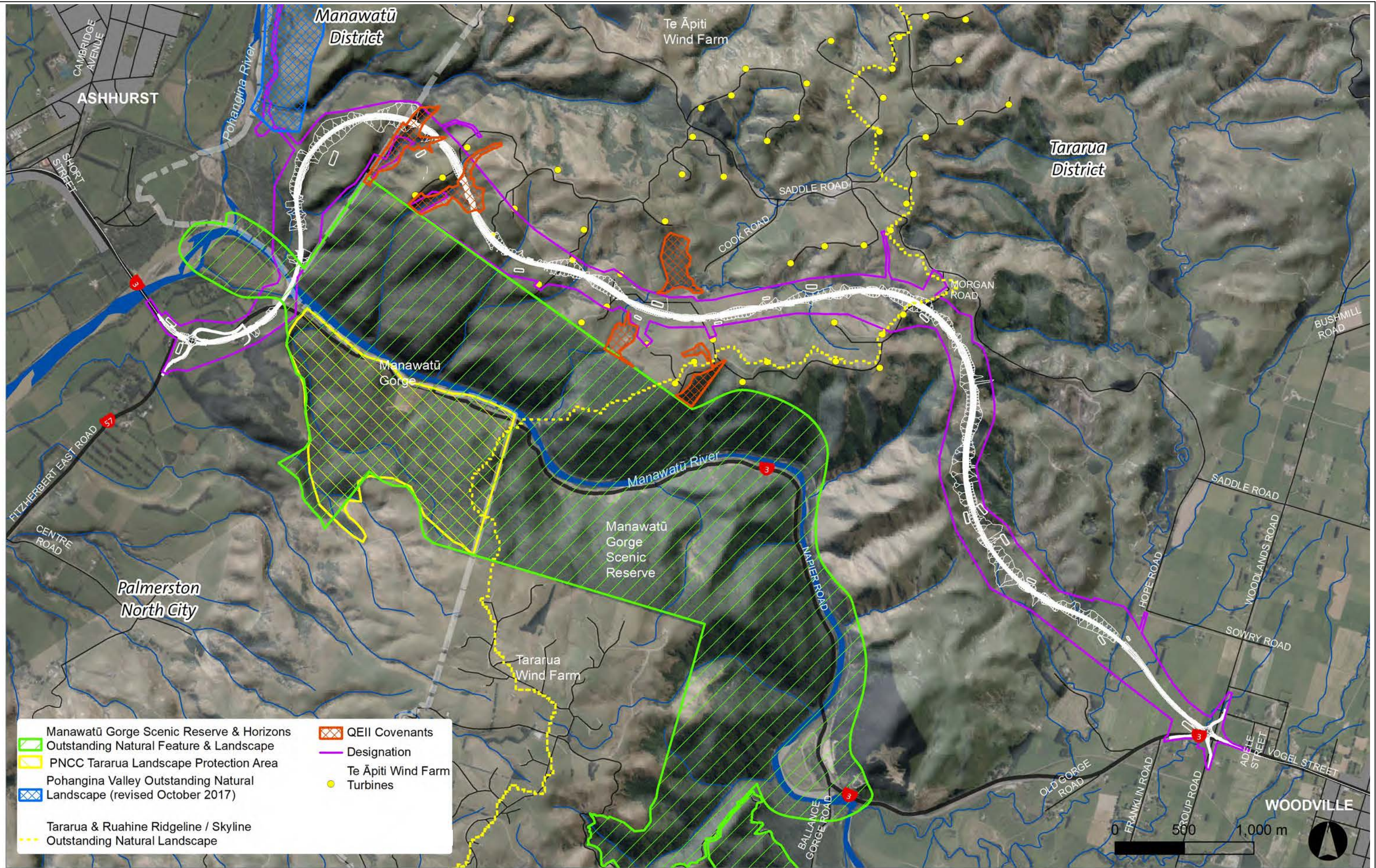
Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE

GHD Limited
Conditions of Use:
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	J LANDERS*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	N.T.S.		

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	RECORDED / LISTED SITES OF CULTURAL SIGNIFICANCE		
Original Size	Project Number:	51-38113	Drawing Number: C-05 Rev: A



- | | |
|-----------------------------------------------------------------------|--------------------|
| Manawatu Gorge Scenic Reserve & Horizons | QEII Covenants |
| Outstanding Natural Feature & Landscape | Designation |
| PNCC Tararua Landscape Protection Area | Te Āpiti Wind Farm |
| Pohangina Valley Outstanding Natural Landscape (revised October 2017) | Turbines |
| Tararua & Ruahine Ridgeline / Skyline | |
| Outstanding Natural Landscape | |

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



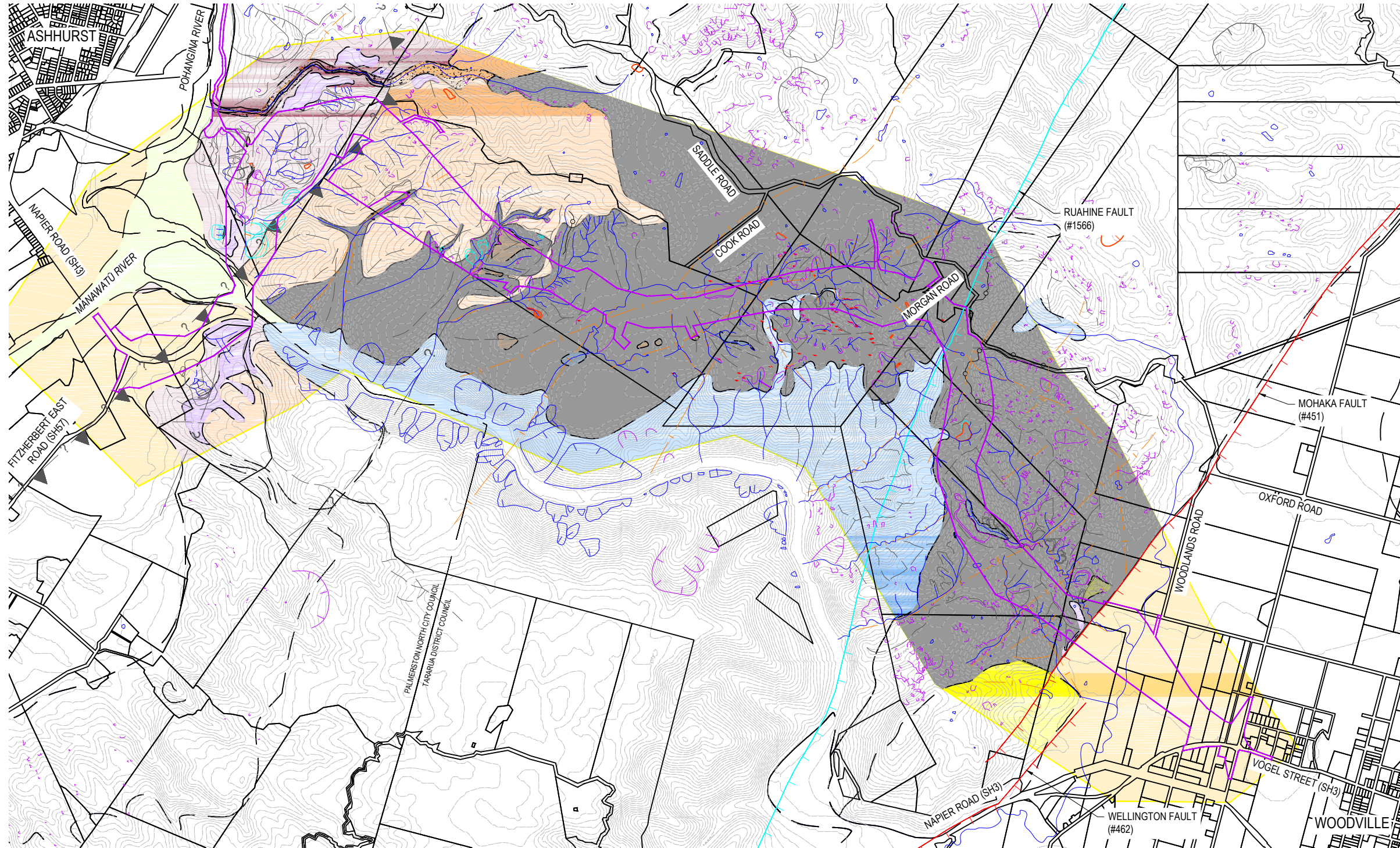
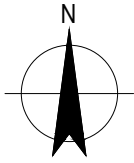
DO NOT SCALE

GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn **MDu**
 Drafting Check **BEv**
 Approved **BEv**
 Date **25 Oct 2018**
 Scale **As Shown**

Designed **BEv/BFa**
 Design Check **BEv**
 This Drawing must not be used for Construction unless signed as Approved.

Client **NZ TRANSPORT AGENCY**
 Project **TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY PROTECTED AREAS**
 Title
 Original Size **A3** Project Number: **51-38113** Drawing Number: **C-06** Rev:



GENERAL NOTES

1. THE DESIGN IS DEEMED INDICATIVE ONLY.
2. ALL MEASUREMENTS ARE IN METRES UNLESS OTHERWISE STATED.
3. ALL NAMED ROADS SHALL BE ASSUMED TO BE PUBLIC UNLESS STATED OTHERWISE.
4. AERIAL IMAGE FROM LINZ DATABASE.
5. DIGITAL TERRAIN MODEL LINZ LIDAR.
6. DATA TO NZGD WANGANUI 2000.
7. EXISTING PROPERTY BOUNDARIES SOURCED FROM LINZ.

GEOLOGICAL SECTIONS

INFERRED GEOLOGICAL BOUNDARY	— ? —
APPARENT BEDDING DIP	— / —

GEOLOGY KEY

UNIT 1 - RECENT ALLUVIAL GRAVEL	[Yellow Box]
UNIT 2 - YOUNG SANDSTONE/SILTSTONE	[Pink Box]
UNIT 3 - DENSE GRAVEL	[Orange Box]
UNIT 4 - OLDER SANDSTONE/SILTSTONE	[Grey Box]
UNIT 5 - LIMESTONE	[Light Yellow Box]
UNIT 6 - GREYWACKE	[Blue Box]
OBSERVED GEOLOGICAL BOUNDARY	— — —
INFERRED GEOLOGICAL BOUNDARY	- - -
INFERRED ACTIVE FAULT	—▲▲▲—
OBSERVED INACTIVE FAULT	—▼▼▼—
INFERRED INACTIVE FAULT	- -▼▼▼-
STRIPE/DIP MEASUREMENT GHD	— / —
STRIPE/DIP MEASUREMENT EXISTING PUBLISHED DATA	— / —

GEOMORPHOLOGY KEY

LINEAMENT	— / —
DEBRIS FLOW	—▲—
TRANSLATIONAL SLIDE	—▲—
LARGE TRANSLATIONAL SLIDE	—▲—
DEBRIS AVALANCHE / ROCK AVALANCHE	—▲—
UNDETERMINED SLIDES	—▲—
RIVERS AND TRIBUTARIES (LINZ)	— / —
PONDS	○
RIDGE LINES	— / —
BASE OF VALLEY	— / —
CONCAVE BREAK IN SLOPE	— / —
CONVEX BREAK IN SLOPE	— / —

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A	FOR SUBMISSION	WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE

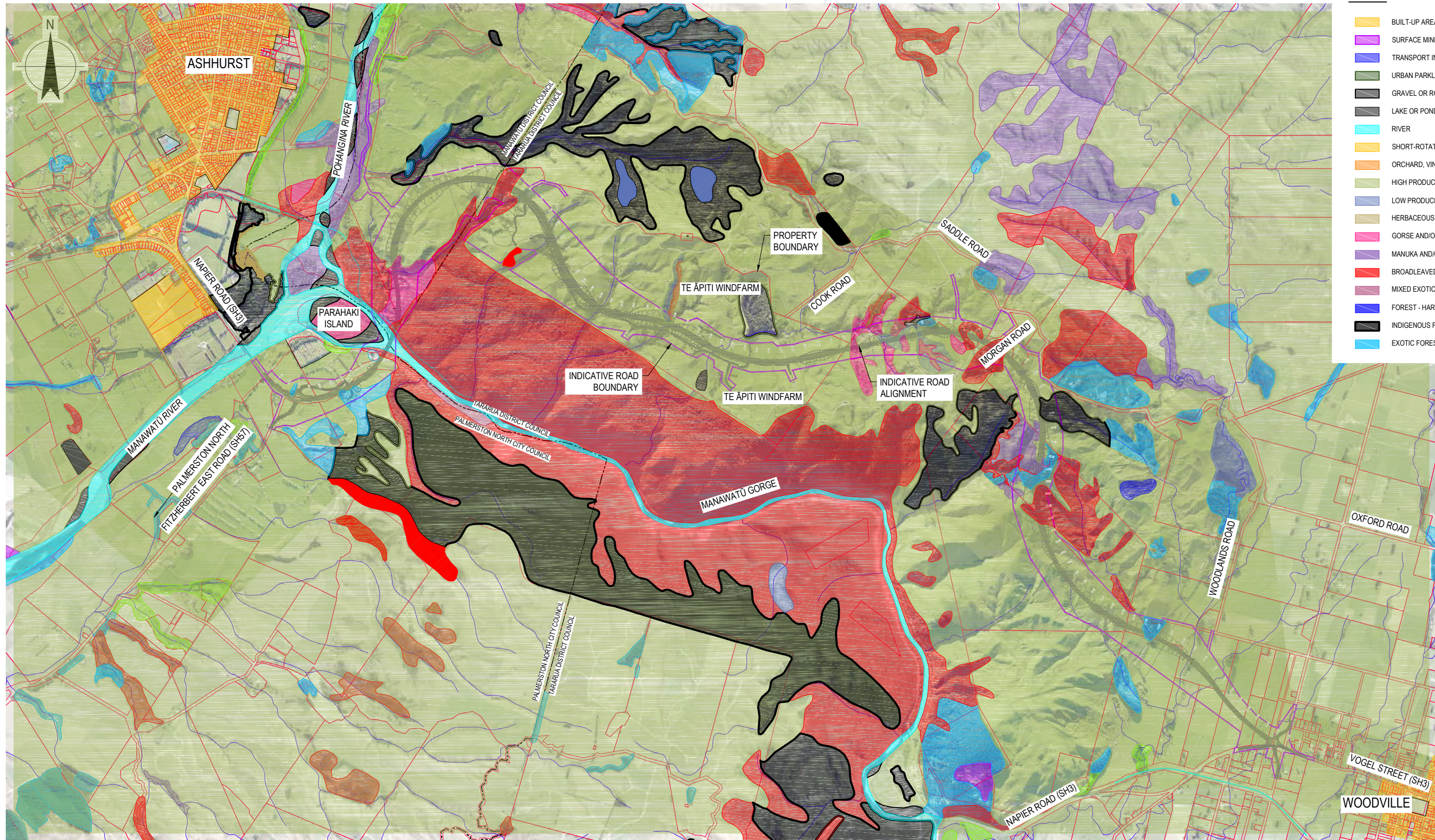
GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	W SMITH	Designed	T HOWARD
Drafting Check	N BURKE	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		

Scale 1:15,000-A1, 1:30,000-A3
This Drawing must not be used for Construction unless signed as Approved

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	GEOMORPHOLOGY		

Original Size	A1	Project Number:	51-38113	Drawing Number:	C-07	Rev:	A
---------------	----	-----------------	----------	-----------------	------	------	---



LEGEND

- BUILT-UP AREA (SETTLEMENT)
- SURFACE MINE OR DUMP
- TRANSPORT INFRASTRUCTURE
- URBAN PARKLAND/OPEN SPACE
- GRAVEL OR ROCK
- LAKE OR POND
- RIVER
- SHORT-ROTATION CROPLAND
- ORCHARD, VINEYARD OR OTHER PERENNIAL CROPS
- HIGH PRODUCING EXOTIC GRASSLAND
- LOW PRODUCING GRASSLAND
- HERBACEOUS FRESHWATER VEGETATION
- GORSE AND/OR BROOM
- MANUKA AND/OR KANUKA
- BROADLEAVED INDIGENOUS HARDWOODS
- MIXED EXOTIC SHRUBLAND
- FOREST - HARVESTED
- INDIGENOUS FOREST
- EXOTIC FOREST

PLAN
N.T.S.

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

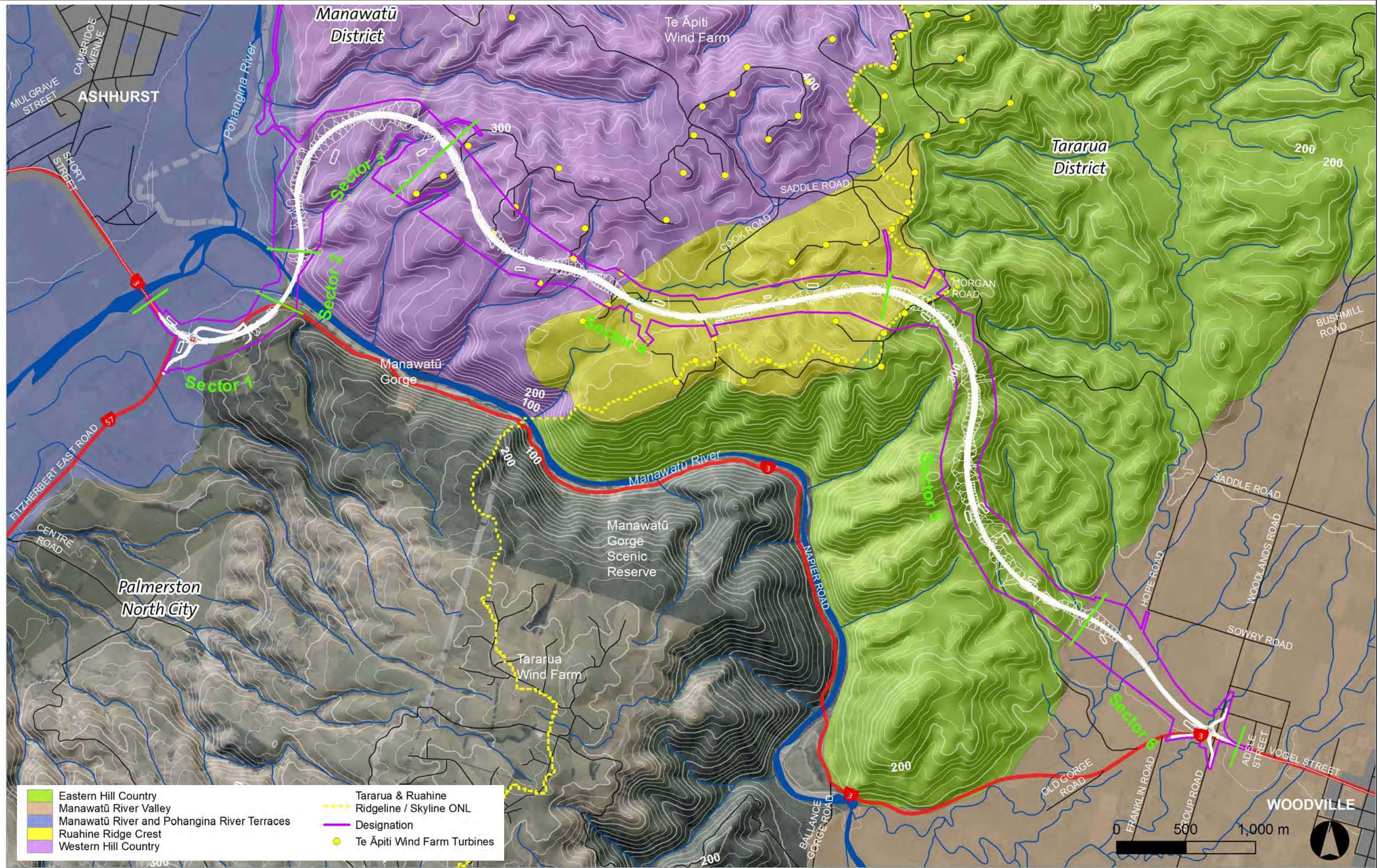
A FOR SUBMISSION		WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



GHD
Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE	Drawn W SMITH	Designed T CRONIN
GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	Drafting Check J LANDERS*	Design Check A WHALEY*
	Approved A WHALEY*	
	Date OCTOBER 2018	
	Scale N.T.S.	This Drawing must not be used for Construction unless signed as Approved

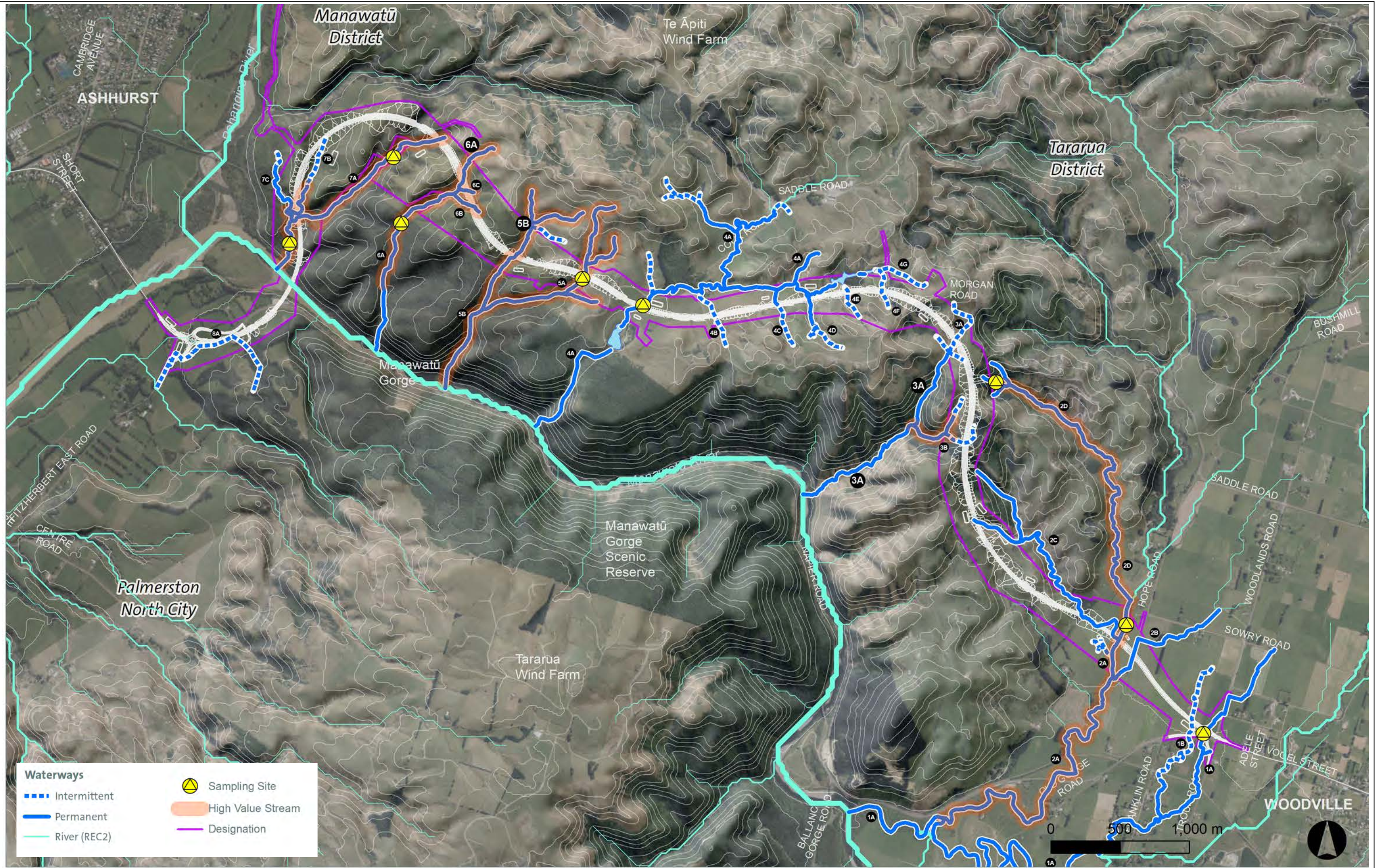
Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	LAND COVER		
Original Size	Project Number: 51-38113	Drawing Number: C-08	Rev: A



No	Revision	Note	Drawn	Checked	Approved	Date



DO NOT SCALE GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	Drawn MDu	Designed BEv/BFa	Client NZ TRANSPORT AGENCY Project TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY Title LANDSCAPE CHARACTER AREAS
	Drafting Check BEv	Design Check BEv	
	Approved BEv	Date 25 Oct 2018	
	Scale As Shown	This Drawing must not be used for Construction unless signed as Approved.	
Original Size A3	Project Number: 51-38113	Drawing Number: C-09	Rev:



No	Revision	Note	Drawn	Checked	Approved	Date



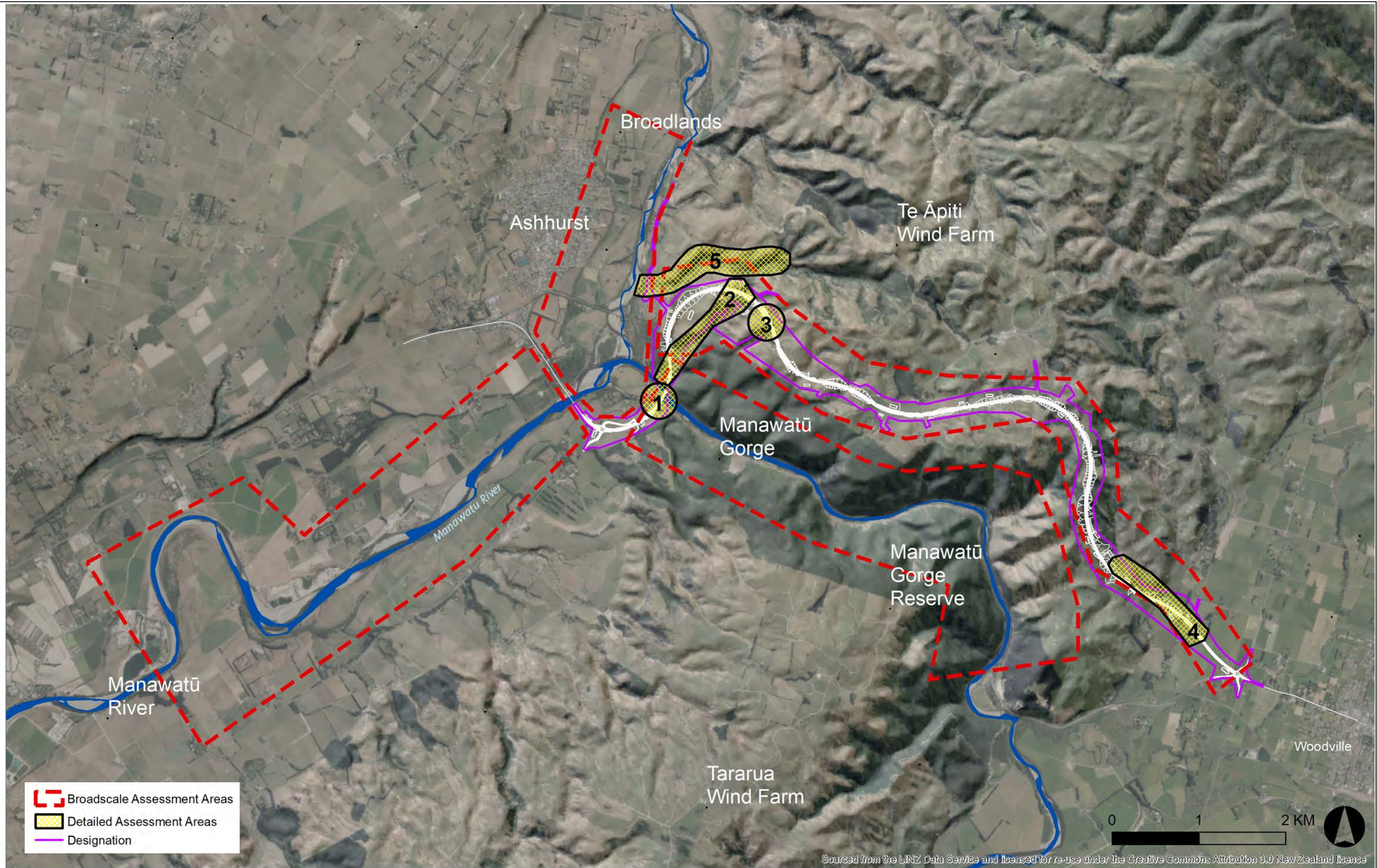
DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by
GHD's client (and any other person who
GHD has agreed can use this document)
for the purpose for which it was prepared
and must not be used by any other
person or for any other purpose.

Drawn **MDu**
Designed **BEv/BFa**
Drafting Check **BEv**
Design Check **BEv**
Approved **BEv**
Date **25 Oct 2018**
Scale **As Shown**

This Drawing must not be
used for Construction unless
signed as Approved.

Client **NZ TRANSPORT AGENCY**
Project **TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY**
Title **WATERWAYS**
Original Size **A3**
Project Number: **51-38113**
Drawing Number: **C-10**
Rev:



No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by
GHD's client (and any other person who
GHD has agreed can use this document)
for the purpose for which it was prepared
and must not be used by any other
person or for any other purpose.

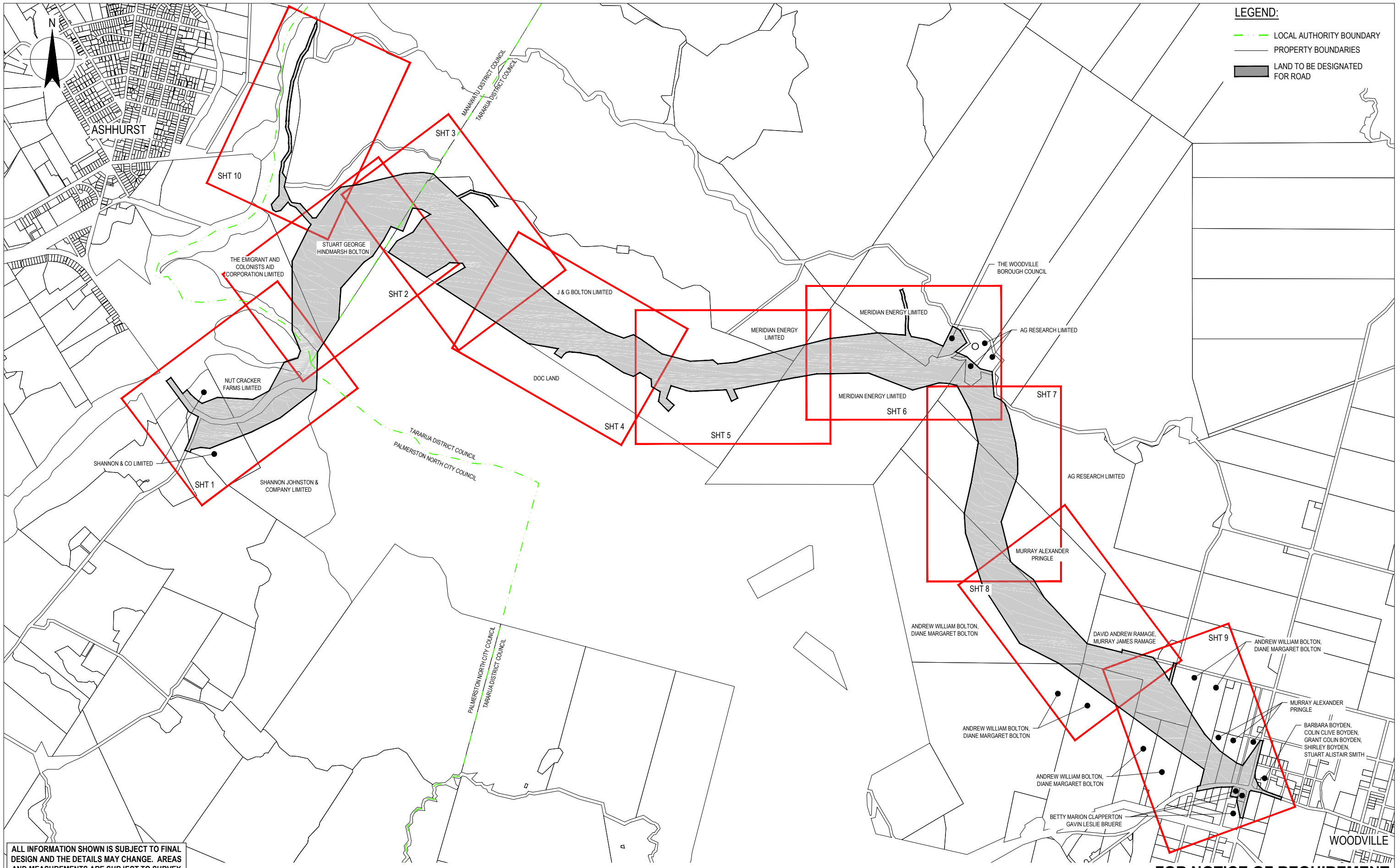
Drawn **MDu**
Designed **BEv/BFa**
Drafting Check **BEv**
Design Check **BEv**
Approved **BEv**
Date **25 Oct 2018**
Scale **As Shown**

This Drawing must not be
used for Construction unless
signed as Approved

Client **NZ TRANSPORT AGENCY**
Project **TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY**
Title **NATURAL CHARACTER ASSESSMENT SCOPE**
Original Size **A3**
Project Number: **51-38113**
Drawing Number: **C-11**
Rev:



**LAND
REQUIREMENT
PLANS**



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

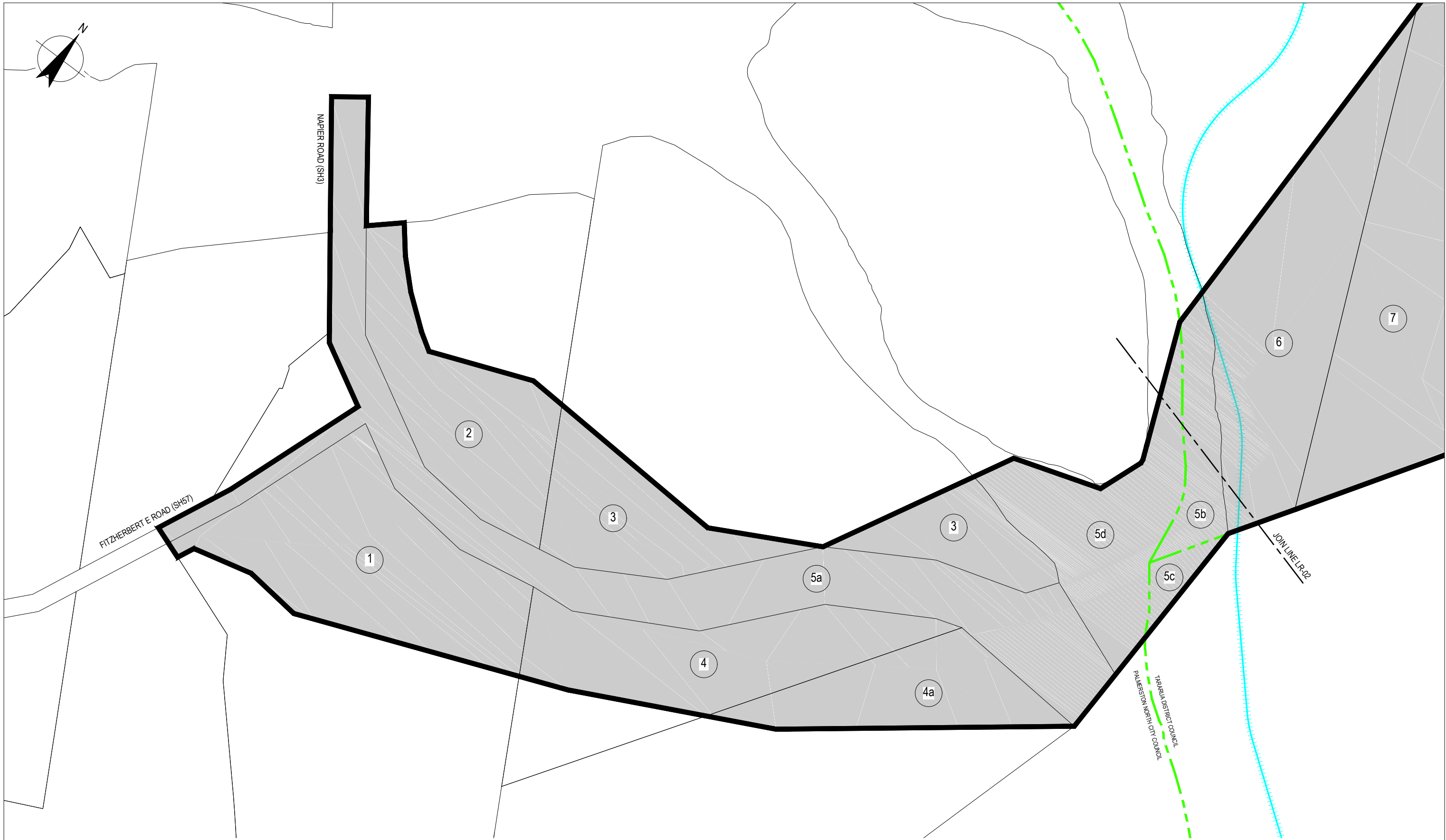
A FOR SUBMISSION		WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

DO NOT SCALE	Drawn W SMITH	Designed T CRONIN
GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	Drafting Check T CRONIN*	Design Check A WHALEY*
	Approved A WHALEY*	
	Date OCTOBER 2018	
	Scale 1:12,500-A1, 1:25,000-A3	This Drawing must not be used for Construction unless signed as Approved

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATU TARARUA HIGHWAY		
Title	LAND REQUIREMENT KEY PLAN		
Original Size	Project Number:	Drawing Number:	Rev:
A1	51-38113	LR-00	A



LEGEND:

- LAND TO BE DESIGNATED FOR ROAD
- PROPERTY BOUNDARIES

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
B	UPDATED PARCEL REFERENCES		WS	AW*	AW*	11/14
A	FOR SUBMISSION		WS	AW*	AW*	10/18



Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	1:2500-A1, 1:5000-A3		

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	LAND REQUIREMENT PLAN		
	SHEET 1 OF 10		
Original Size	Project Number:	51-38113	Drawing Number: LR-01 Rev: B



LEGEND:

- LAND TO BE DESIGNATED FOR ROAD
- PROPERTY BOUNDARIES

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
A	FOR SUBMISSION		WS	AW*	AW*	10/18



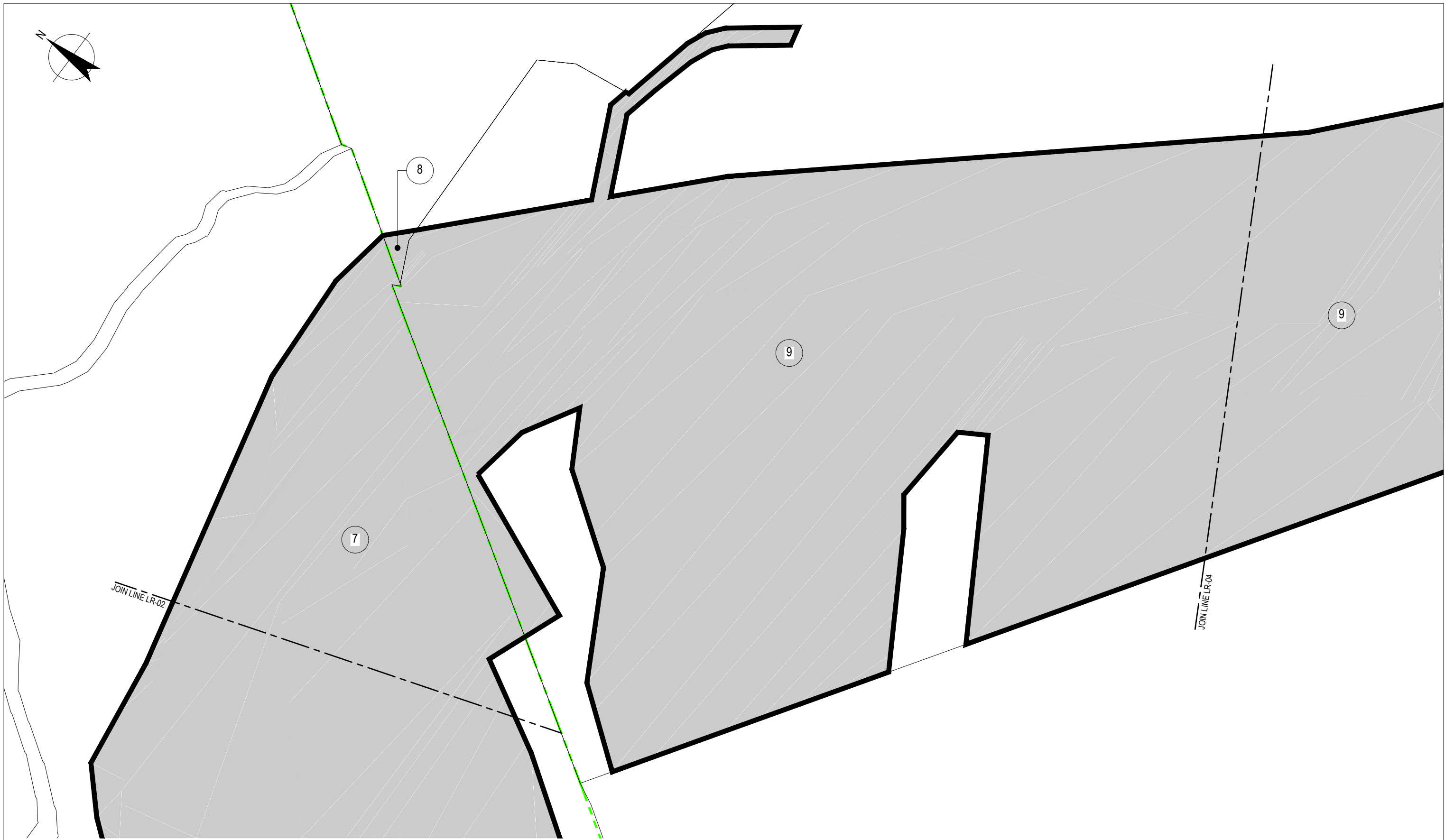
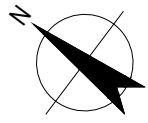
Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	1:2500-A1, 1:5000-A3		

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	LAND REQUIREMENT PLAN		
	SHEET 2 OF 10		
Original Size	Project Number:	51-38113	Drawing Number: LR-02 Rev: A



LEGEND:

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

- LAND TO BE DESIGNATED FOR ROAD
- PROPERTY BOUNDARIES

FOR NOTICE OF REQUIREMENT

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
A	FOR SUBMISSION		WS	AW*	AW*	10/18



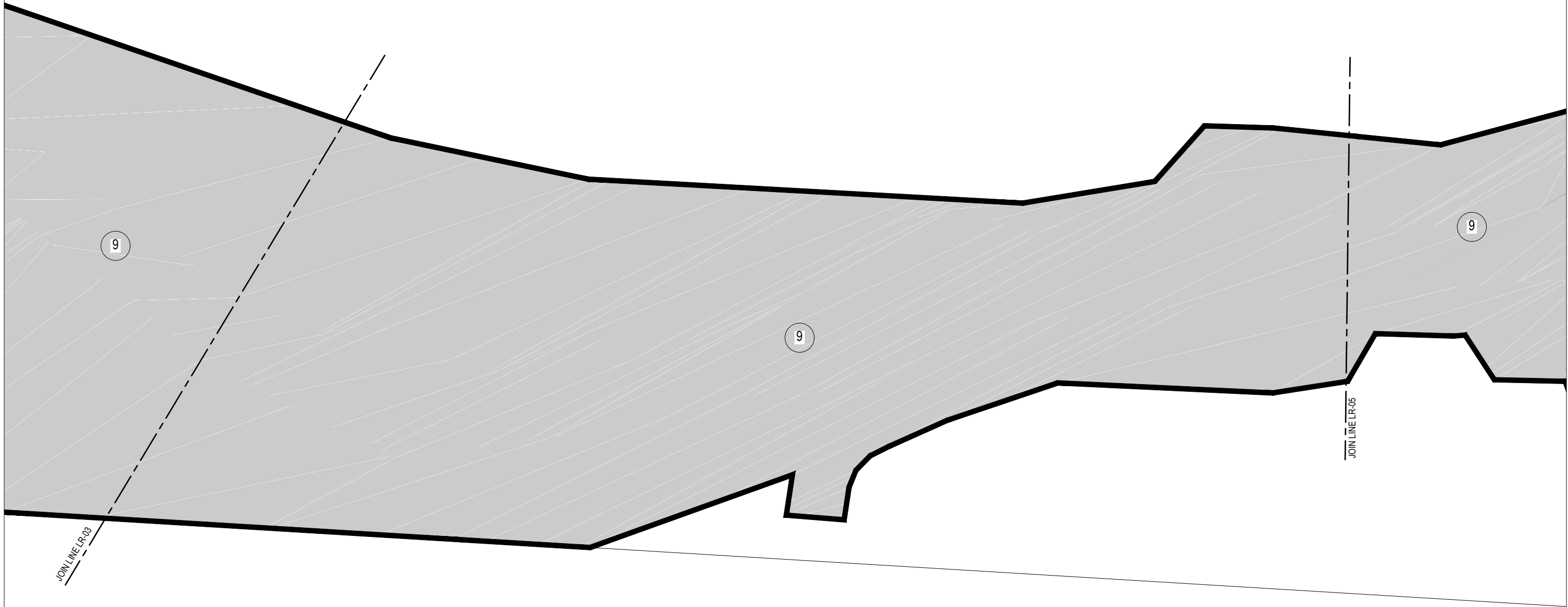
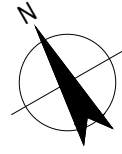
Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE



GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	1:2500-A1, 1:5000-A3		

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	LAND REQUIREMENT PLAN		
	SHEET 3 OF 10		
Original Size	Project Number:	51-38113	Drawing Number: LR-03 Rev: A



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

LEGEND:
 LAND TO BE DESIGNATED FOR ROAD
 PROPERTY BOUNDARIES

FOR NOTICE OF REQUIREMENT

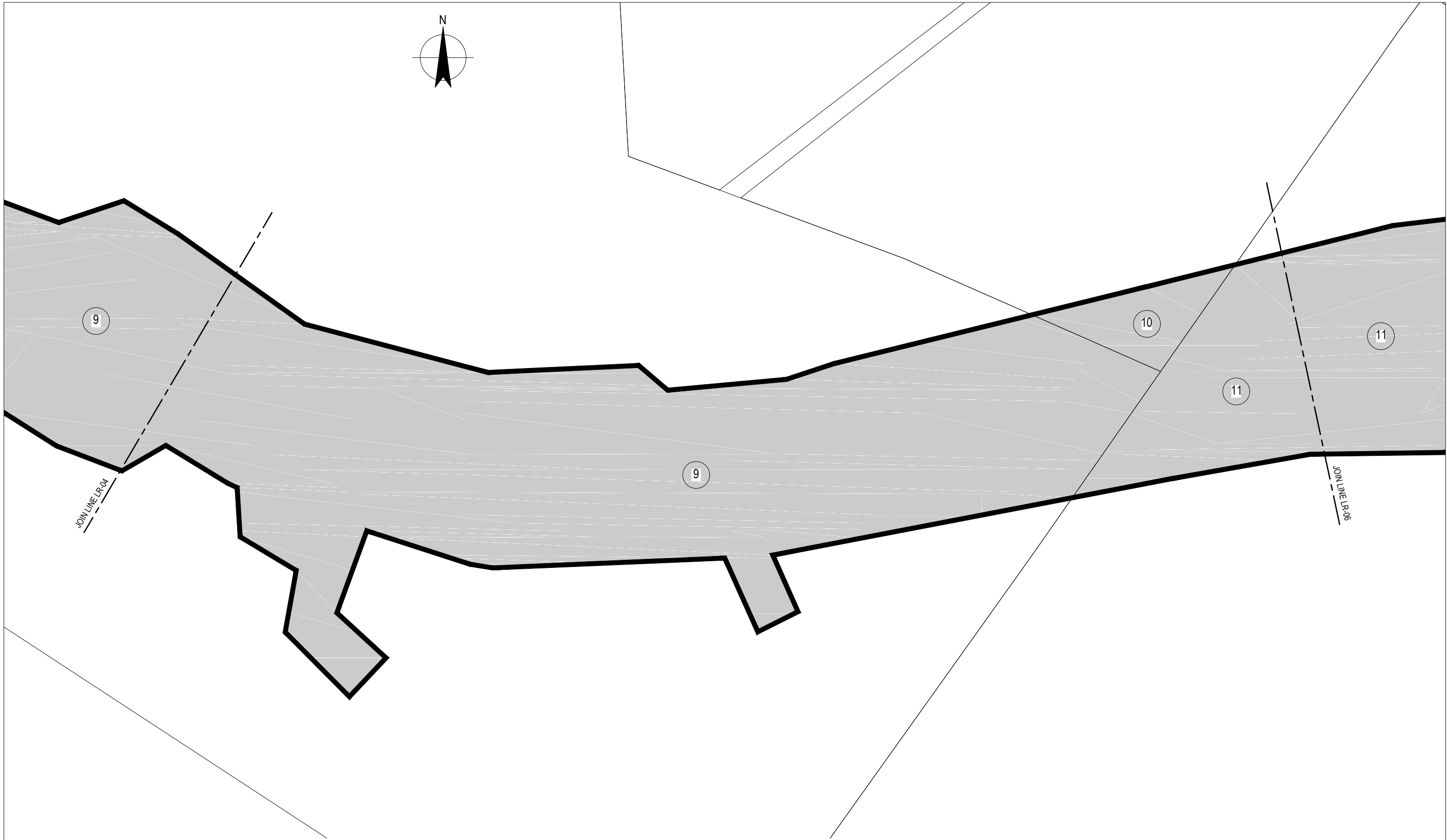
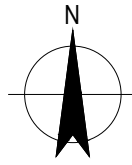
A FOR SUBMISSION					WS	AW*	AW*	10/18
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date		



GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

DO NOT SCALE	Drawn W SMITH	Designed T CRONIN
<small>GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.</small>	Drafting Check T CRONIN*	Design Check A WHALEY*
	Approved A WHALEY*	
	Date OCTOBER 2018	
Scale 1:2500-A1, 1:5000-A3	<small>This Drawing must not be used for Construction unless signed as Approved</small>	

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	LAND REQUIREMENT PLAN		
	SHEET 4 OF 10		
Original Size	Project Number: 51-38113	Drawing Number: LR-04	Rev: A



LEGEND:

- LAND TO BE DESIGNATED FOR ROAD
- PROPERTY BOUNDARIES

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A	FOR SUBMISSION	WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



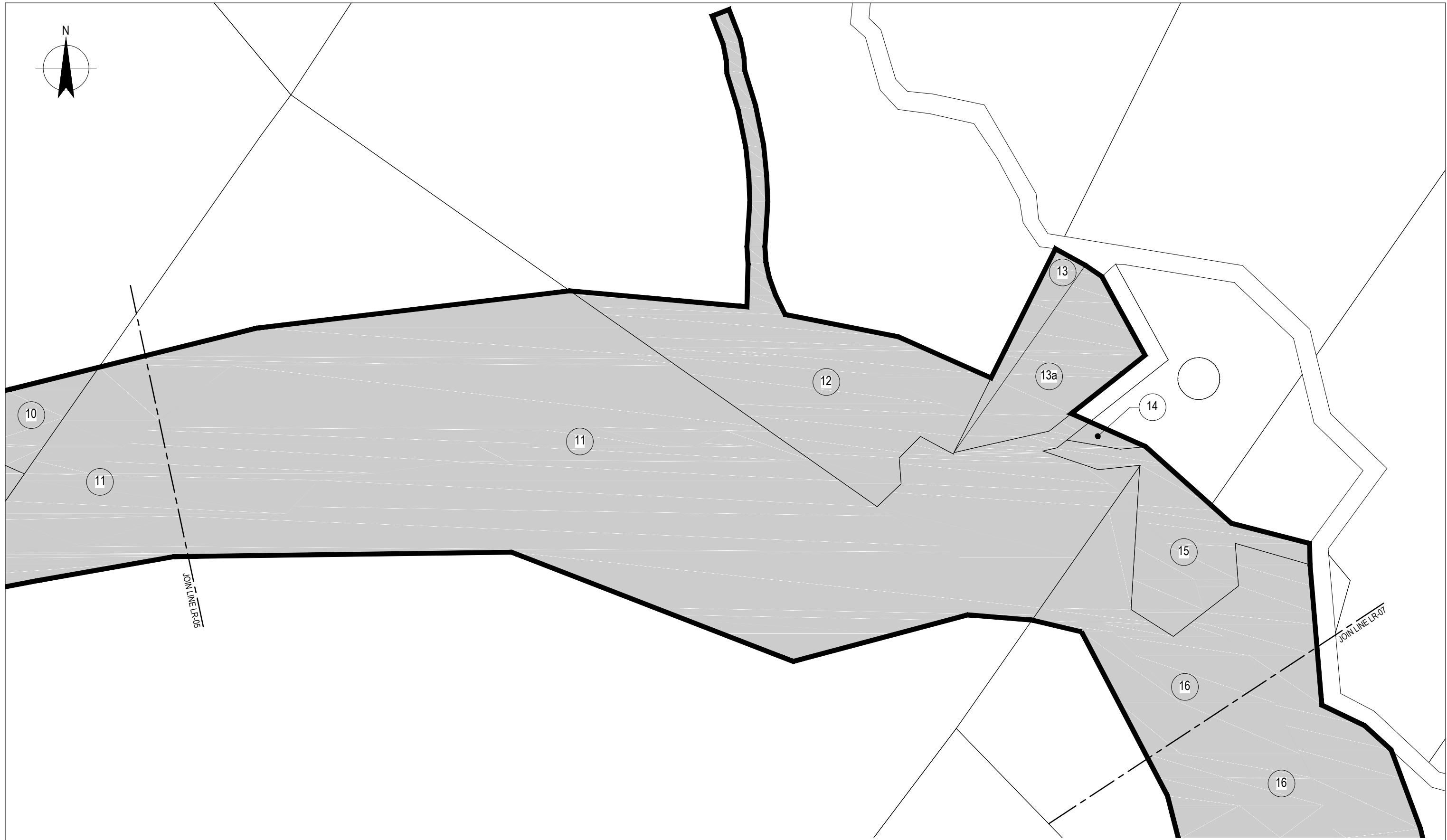
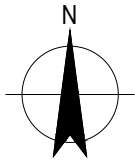
Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn W SMITH	Designed T CRONIN
Drafting Check T CRONIN*	Design Check A WHALEY*
Approved A WHALEY*	
Date OCTOBER 2018	
Scale 1:2500-A1, 1:5000-A3	This Drawing must not be used for Construction unless signed as Approved

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	LAND REQUIREMENT PLAN		
	SHEET 5 OF 10		
Original Size	Project Number: 51-38113	Drawing Number: LR-05	Rev: A



LEGEND:

- LAND TO BE DESIGNATED FOR ROAD
- PROPERTY BOUNDARIES

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
B	UPDATED PARCEL REFERENCES		WS	AW*	AW*	11/18
A	FOR SUBMISSION		WS	AW*	AW*	10/18



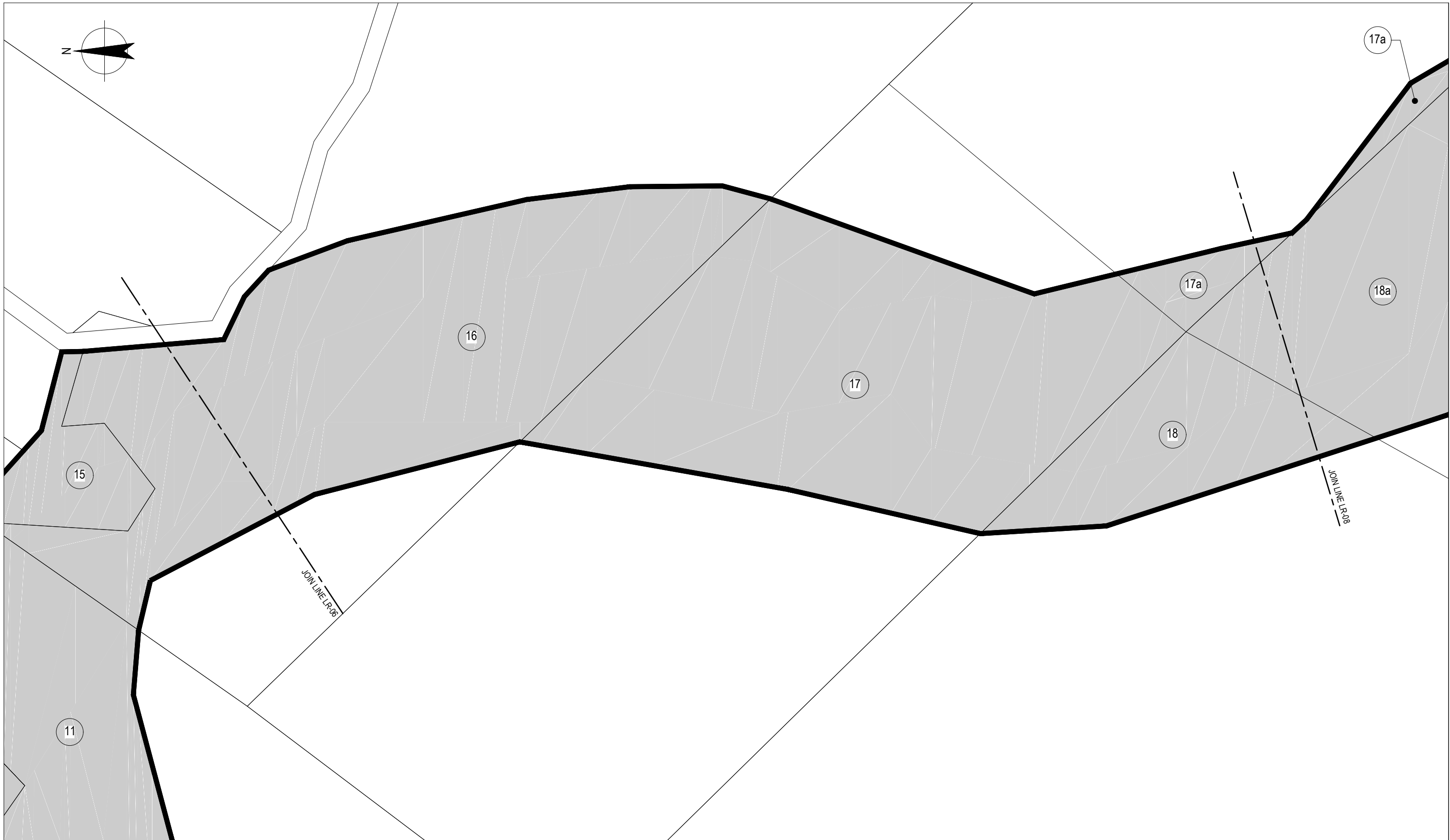
Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	1:2500-A1, 1:5000-A3		

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	LAND REQUIREMENT PLAN		
	SHEET 6 OF 10		
Original Size	Project Number:	51-38113	Drawing Number: LR-06 Rev: B



LEGEND:

- LAND TO BE DESIGNATED FOR ROAD
- PROPERTY BOUNDARIES

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

B	UPDATED PARCEL REFERENCES	WS	AW*	AW*	11/18	
A	FOR SUBMISSION	WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



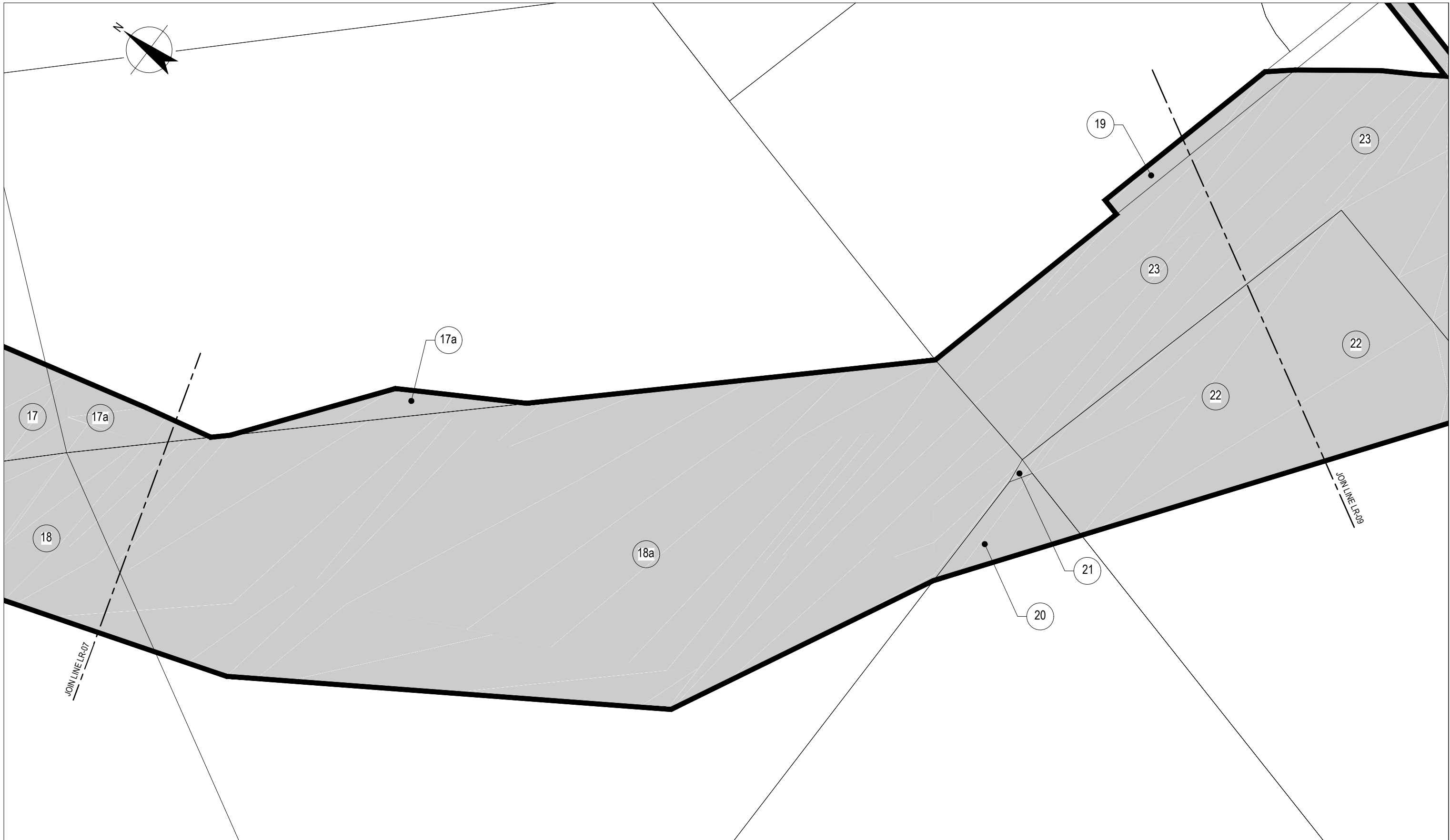
Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	1:2500-A1, 1:5000-A3		

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	LAND REQUIREMENT PLAN		
	SHEET 7 OF 10		
Original Size	Project Number:	51-38113	Drawing Number: LR-07 Rev: B



LEGEND:

- LAND TO BE DESIGNATED FOR ROAD
- PROPERTY BOUNDARIES

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
B	UPDATED PARCEL REFERENCES		WS	AW*	AW*	11/18
A	FOR SUBMISSION		WS	AW*	AW*	10/18



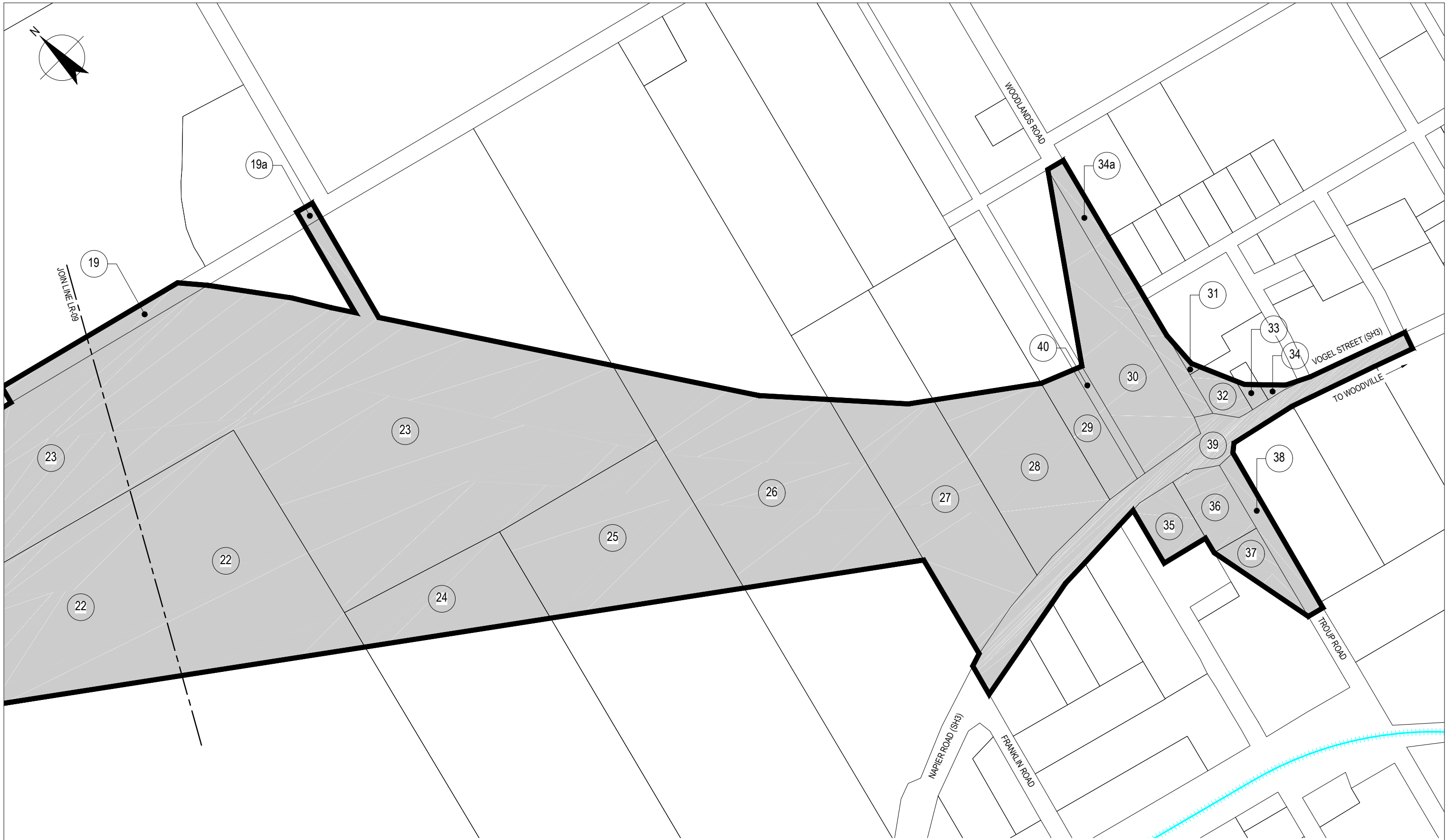
Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	1:2500-A1, 1:5000-A3		

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	LAND REQUIREMENT PLAN		
	SHEET 8 OF 10		
Original Size	Project Number:	51-38113	Drawing Number: LR-08 Rev: B



LEGEND:

- LAND TO BE DESIGNATED FOR ROAD
- PROPERTY BOUNDARIES

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

No	Revision	Note	Drawn	Checked	Approved	Date
B	UPDATED PARCEL REFERENCES		WS	AW*	AW*	11/18
A	FOR SUBMISSION		WS	AW*	AW*	10/18



Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	1:2500-A1, 1:5000-A3		

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	LAND REQUIREMENT PLAN		
	SHEET 9 OF 10		
Original Size	Project Number:	51-38113	Drawing Number: LR-09 Rev: B



LEGEND:

- LAND TO BE DESIGNATED FOR ROAD
- PROPERTY BOUNDARIES

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
A	FOR SUBMISSION		WS	AW*	AW*	10/18



Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	1:2500-A1, 1:5000-A3		

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	LAND REQUIREMENT PLAN		
	SHEET 10 OF 10		
Original Size	Project Number:	51-38113	Drawing Number: LR-10 Rev: A

PROPERTY REFERENCE NUMBER	LEGAL DESCRIPTION / PARCEL ID	OWNERSHIP	COUNCIL	AREA OF LAND (HA)	
				LAND TO BE DESIGNATED	TOTAL LAND
1	LOT 2 DP 440506 PARCEL ID 7316457	SHANNON & CO LTD	PALMERSTON NORTH CITY COUNCIL	5.1160	14.3440
2	SEC 439 TN OF FITZHERBERT PARCEL ID 4020208	SHANNON & CO LTD		3.4394	6.9028
3	LOT 49 DP 185 PARCEL ID 4049395	NUT CRACKER FARMS LTD		3.1125	15.5128
4	LOT 50 DP 185 PARCEL ID 3939825	SHANNON JOHNSTON AND COMPANY LTD		3.6614	4.9395
4a	SEC 406 TN OF FITZHERBERT PARCEL ID 3972828	SHANNON JOHNSTON AND COMPANY LTD		2.4415	44.2850
5a	PARCEL ID 4088217	ROAD - NAPIER ROAD (SH3)		9.3195	
5b		RIVER	MANAWATŪ DISTRICT COUNCIL	1.1516	
5c		RIVER	TARARUA DISTRICT COUNCIL	0.3450	
5d		RIVER	PALMERSTON NORTH CITY COUNCIL	3.0958	
6	SECTION 1 SBDN X MANCHESTER PARCEL ID 3912856	THE EMIGRANT AND COLONISTS AID CORPORATION LTD	MANAWATŪ DISTRICT COUNCIL	5.5195	32.2918
7	LOT 2 DP 84523 PARCEL ID 4037917	STUART GEORGE HINDMARSH BOLTON		55.8159	103.6072
8	SECTION 16 BLOCK IV GORGE SD PARCEL ID 3783151	BRAEMOAR FARMS LIMITED	TARARUA DISTRICT COUNCIL	0.0911	211.3843
9	SECTION 14 BLOCK IV GORGE SD PARCEL ID 3780289	J & G BOLTON LIMITED		103.4055	248.5464
10	SECTION 18 BLOCK IV GORGE SD PARCEL ID 3944254	MERIDIAN ENERGY LIMITED		1.1072	23.5377
11	LOT 1 DP 337483 PARCEL ID 6713118	MERIDIAN ENERGY LIMITED		27.9146	129.4055
12	LOT 1 DP 308738 PARCEL ID 6574041	MERIDIAN ENERGY LIMITED		5.518	37.8799
13	PART SECTION 12 BLOCK XIV WOODVILLE SD HBB 3 / 779	THE WOODVILLE BOROUGH COUNCIL		0.4824	0.4824
13a	PART SECTION 4 BLOCK XIV WOODVILLE SD HBB 3 / 779	THE WOODVILLE BOROUGH COUNCIL		1.8038	1.8109
14	PART SECTION 4 BLOCK XIV WOODVILLE SD PARCEL ID 7561950	AG RESEARCH LTD		0.1217	3.5229
15	SECTION 35 SO 1945 PARCEL ID 4193566	AG RESEARCH LTD		2.0628	2.0628
16	PART SECTION 6 BLOCK XIV WOODVILLE SD PARCEL ID 4193573	AG RESEARCH LTD		16.7764	102.5747
17	SECTION 7 BLOCK XIV WOODVILLE SD PARCEL ID 4174489	MURRAY ALEXANDER PRINGLE		10.4392	42.3168
17a	SECTION 8 BLOCK XIV WOODVILLE SD PARCEL ID 4193562	MURRAY ALEXANDER PRINGLE		1.3489	37.3755
18	SECTION 10 BLOCK XIV WOODVILLE SD PARCEL ID 4181199	ANDREW WILLIAM BOLTON, DIANE MARGARET BOLTON		4.2794	71.4258
18a	SECTION 9 BLOCK XIV WOODVILLE SD PARCEL ID 4181585	ANDREW WILLIAM BOLTON, DIANE MARGARET BOLTON		28.6011	52.9255
19	PARCEL ID 4244004	ROAD - HOPE ROAD - LOCAL ROAD	0.4791		
19a	PARCEL ID 4251618	ROAD - HOPE ROAD - LOCAL ROAD	0.0383		

PROPERTY REFERENCE NUMBER	LEGAL DESCRIPTION / PARCEL ID	OWNERSHIP	COUNCIL	AREA OF LAND (HA)	
				LAND TO BE DESIGNATED	TOTAL LAND
20	PART SECTION 1 BLOCK XIV WOODVILLE SD PARCEL ID 4224526	ANDREW WILLIAM BOLTON, DIANE MARGARET BOLTON	TARARUA DISTRICT COUNCIL	0.8021	109.1979
21	PARCEL ID 4248789	UNKNOWN / ROAD		0.0250	0.0250
22	PART SECTION 19 BLOCK XII WOODVILLE SD PARCEL ID 4162721	ANDREW WILLIAM BOLTON, DIANE MARGARET BOLTON		8.8067	49.8944
23	SECTION 18 BLOCK XII WOODVILLE SD PARCEL ID 4159391	ANDREW WILLIAM BOLTON, DIANE MARGARET BOLTON		17.832	22.8110
24	WOODVILLE SD PARCEL ID 4174447	ANDREW WILLIAM BOLTON, DIANE MARGARET BOLTON		1.5229	12.4049
25	SECTION 12 SO 434380 PARCEL ID 7287300	ANDREW WILLIAM BOLTON, DIANE MARGARET BOLTON		2.6494	11.7575
26	SECTION 13 SO 434380 PARCEL ID 7287301	ANDREW WILLIAM BOLTON, DIANE MARGARET BOLTON		4.5718	16.0010
27	SECTION 14 SO 434380 PARCEL ID 7287302	MURRAY ALEXANDER PRINGLE		2.7422	3.8975
28	SECTION 15 SO 434380 PARCEL ID 7287303	MURRAY ALEXANDER PRINGLE		2.1155	3.9777
29	SECTION 16 SO 434380 PARCEL ID 7287304	MURRAY ALEXANDER PRINGLE		0.5566	1.3470
30	SECTION 17 SO 434380 PARCEL ID 7287305	MURRAY ALEXANDER PRINGLE		1.8891	2.7103
31	LOT 6 DP 11369 PARCEL ID 4162713	BARBARA BOYDEN, COLIN CLIVE BOYDEN, GRANT COLIN BOYDEN, SHIRLEY BOYDEN, STUART ALISTAIR SMITH		0.0271	0.9114
32	SECTION 18 SO 434380 PARCEL ID 7287306	BARBARA BOYDEN, COLIN CLIVE BOYDEN, GRANT COLIN BOYDEN, SHIRLEY BOYDEN, STUART ALISTAIR SMITH		0.2509	0.6846
33	LOT 8 DP 11369 PARCEL ID 4184137	BARBARA BOYDEN, COLIN CLIVE BOYDEN, GRANT COLIN BOYDEN, SHIRLEY BOYDEN, STUART ALISTAIR SMITH		0.0551	0.1013
34	SECTION 18 SO 434380 PARCEL ID 7287306	ROAD - VOGEL STREET (SH3) - LOCAL ROAD		0.0338	
34a		ROAD - WOODLANDS ROAD - LOCAL ROAD		0.6467	
35	LOTS 81, 82, 83, 84 DP61	BETTY MARION CLAPPERTON, GAVIN LESLIE BRUERE		0.3886	0.3886
36	LOTS 85, 88, 89 DP61 AND SECTION 20-21 SO 434380	BETTY MARION CLAPPERTON, GAVIN LESLIE BRUERE		0.4815	0.4815
37	LOTS 90, 91, 92, 93, 94, 95, 96 DP 61	BETTY MARION CLAPPERTON, GAVIN LESLIE BRUERE		0.3102	1.9257
38	PARCEL ID 4253685	ROAD - TROUP ROAD - LOCAL ROAD		0.3828	
39	PARCEL ID 4253644	ROAD - NAPIER ROAD / VOGEL STREET (SH3)		1.7372	
40	PARCEL ID 4245805	ROAD - UNNAMED PAPER ROAD - LOCAL ROAD		0.0838	

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

B	UPDATED PARCEL REFERENCES	WS	AW*	AW*	11/18	
A	FOR SUBMISSION	WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE

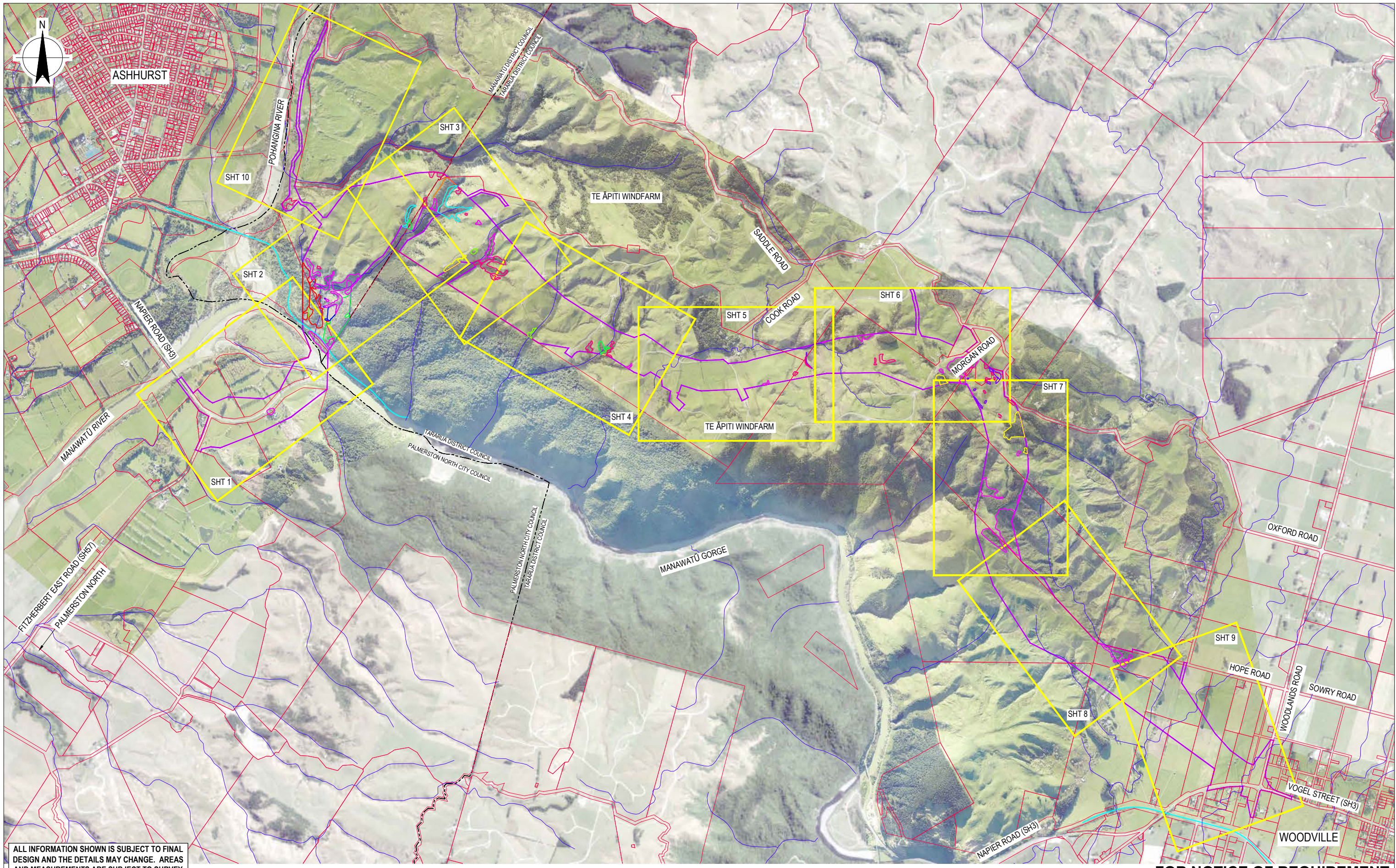
GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*	Date	OCTOBER 2018
Scale	N.T.S.	This Drawing must not be used for Construction unless signed as Approved	

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	LAND REQUIREMENT SCHEDULE		
Original Size	Project Number:	51-38113	Drawing Number:
A1			LR-11 Rev: B



DESIGNATION PLANS



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A	FOR SUBMISSION	WS	AW*	AW*	10/18	
No	Revision	Note: * Indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



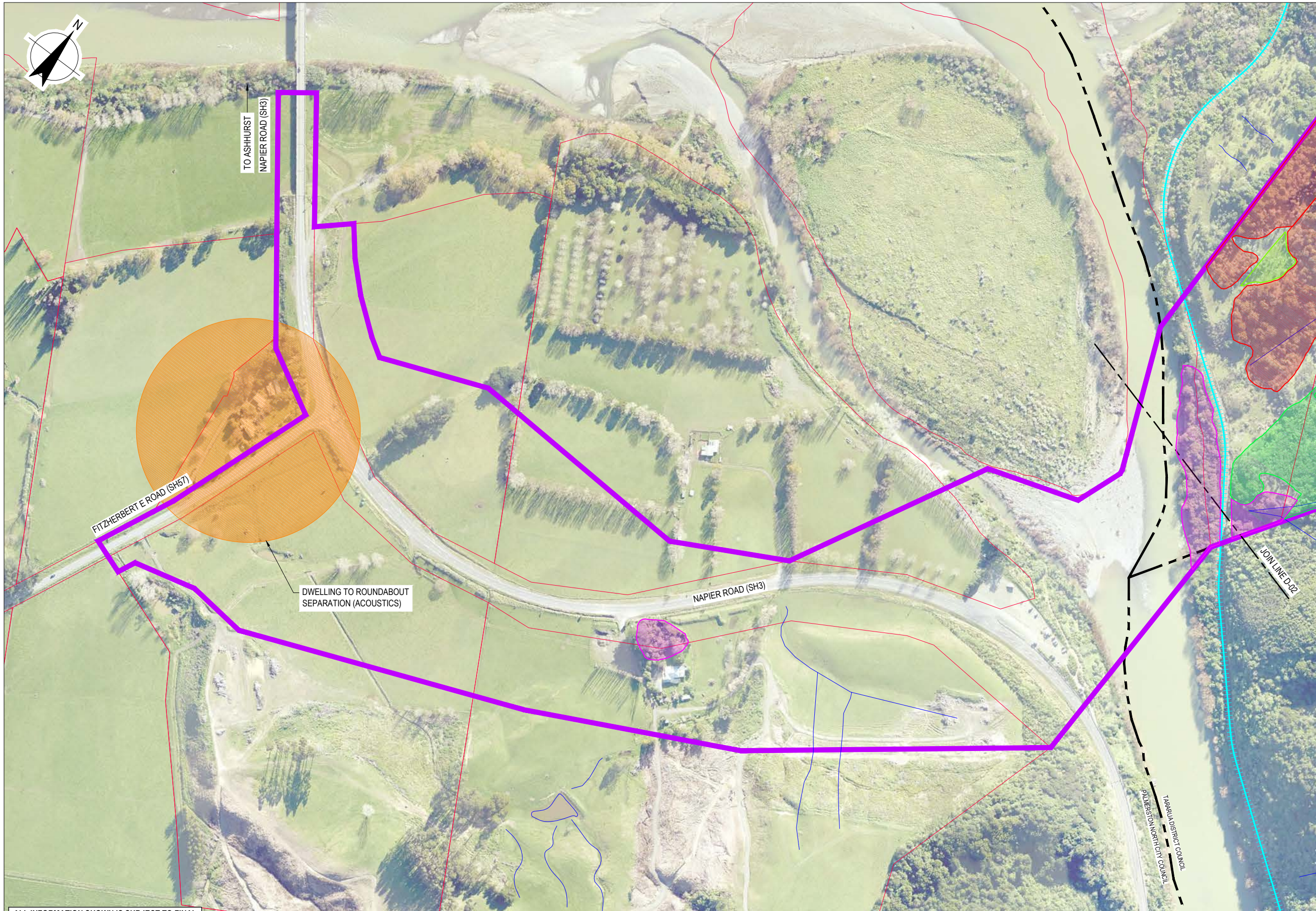
GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

DO NOT SCALE

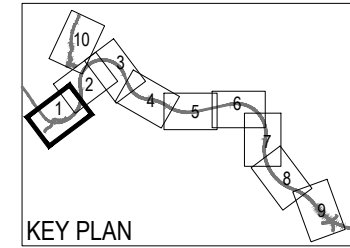
Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	N.T.S.		

This Drawing must not be used for Construction unless signed as Approved

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY DESIGNATION KEY PLAN		
Title			
Original Size	Project Number:	51-38113	Drawing Number: D-00 Rev: A



- LEGEND:**
- PROPOSED DESIGNATION
 - PROPERTY BOUNDARY
 - WIND TURBINE PLUS 60m RADII ZONE - WORK (EXCEPT RELOCATIONS OF SERVICES AND ACCESSES) SUBJECT TO ASSESSMENT OF POTENTIAL IMPACT ON THE SAFE AND EFFICIENT OPERATION OF TURBINE
 - DWELLING SEPARATION (ACOUSTICS)
 - OLD-GROWTH FOREST ALLUVIAL
 - OLD-GROWTH FOREST HILL COUNTRY
 - SECONDARY BROADLEAVED FORESTS WITH OLD-GROWTH SIGNATURES
 - OLD-GROWTH TREELANDS
 - KANUKA FORESTS
 - ADVANCED SECONDARY BROADLEAVED FOREST
 - INDIGENOUS DOMINATED SEEPAGE WETLANDS HIGH VALUE
 - INDIGENOUS DOMINATED SEEP WETLANDS MODERATE VALUE
 - SECONDARY BROADLEAVED FORESTS AND SCRUBLANDS
 - MANUKA KANUKA AND DIVARICATING SHRUBLANDS



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

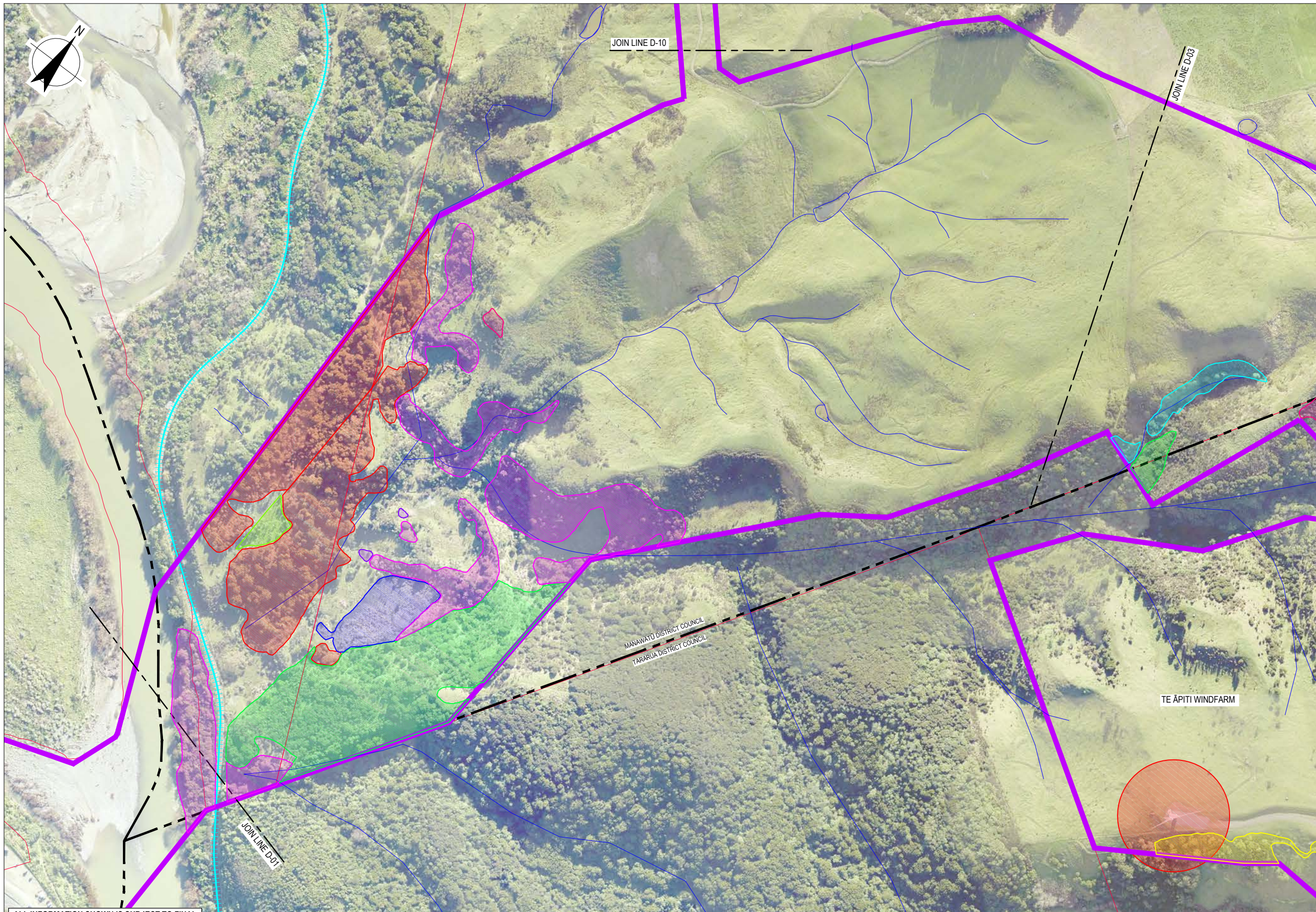
A FOR SUBMISSION		WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



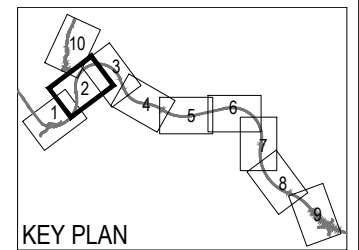
GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

DO NOT SCALE		Drawn W SMITH	Designed T CRONIN
Drafting Check T CRONIN*	Design Check A WHALEY*	Approved A WHALEY*	Date OCTOBER 2018
Scale 1:2000-A1, 1:4000-A3	This Drawing must not be used for Construction unless signed as Approved		

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	DESIGNATION PLAN - CH 2600 TO CH 3900		
	SHEET 1 OF 10		
Original Size	Project Number: 51-38113	Drawing Number: D-01	Rev: A



- LEGEND:**
- PROPOSED DESIGNATION
 - PROPERTY BOUNDARY
 - WIND TURBINE PLUS 60m RADII ZONE - WORK (EXCEPT RELOCATIONS OF SERVICES AND ACCESSES) SUBJECT TO ASSESSMENT OF POTENTIAL IMPACT ON THE SAFE AND EFFICIENT OPERATION OF TURBINE
 - DWELLING SEPARATION (ACOUSTICS)
 - OLD-GROWTH FOREST ALLUVIAL
 - OLD-GROWTH FOREST HILL COUNTRY
 - SECONDARY BROADLEAVED FORESTS WITH OLD-GROWTH SIGNATURES
 - OLD-GROWTH TREELANDS
 - KANUKA FORESTS
 - ADVANCED SECONDARY BROADLEAVED FOREST
 - INDIGENOUS DOMINATED SEEPAGE WETLANDS HIGH VALUE
 - INDIGENOUS DOMINATED SEEP WETLANDS MODERATE VALUE
 - SECONDARY BROADLEAVED FORESTS AND SCRUBLANDS
 - MANUKA KANAUKA AND DIVARICATING SHRUBLANDS



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
A	FOR SUBMISSION		WS	AW*	AW*	10/18



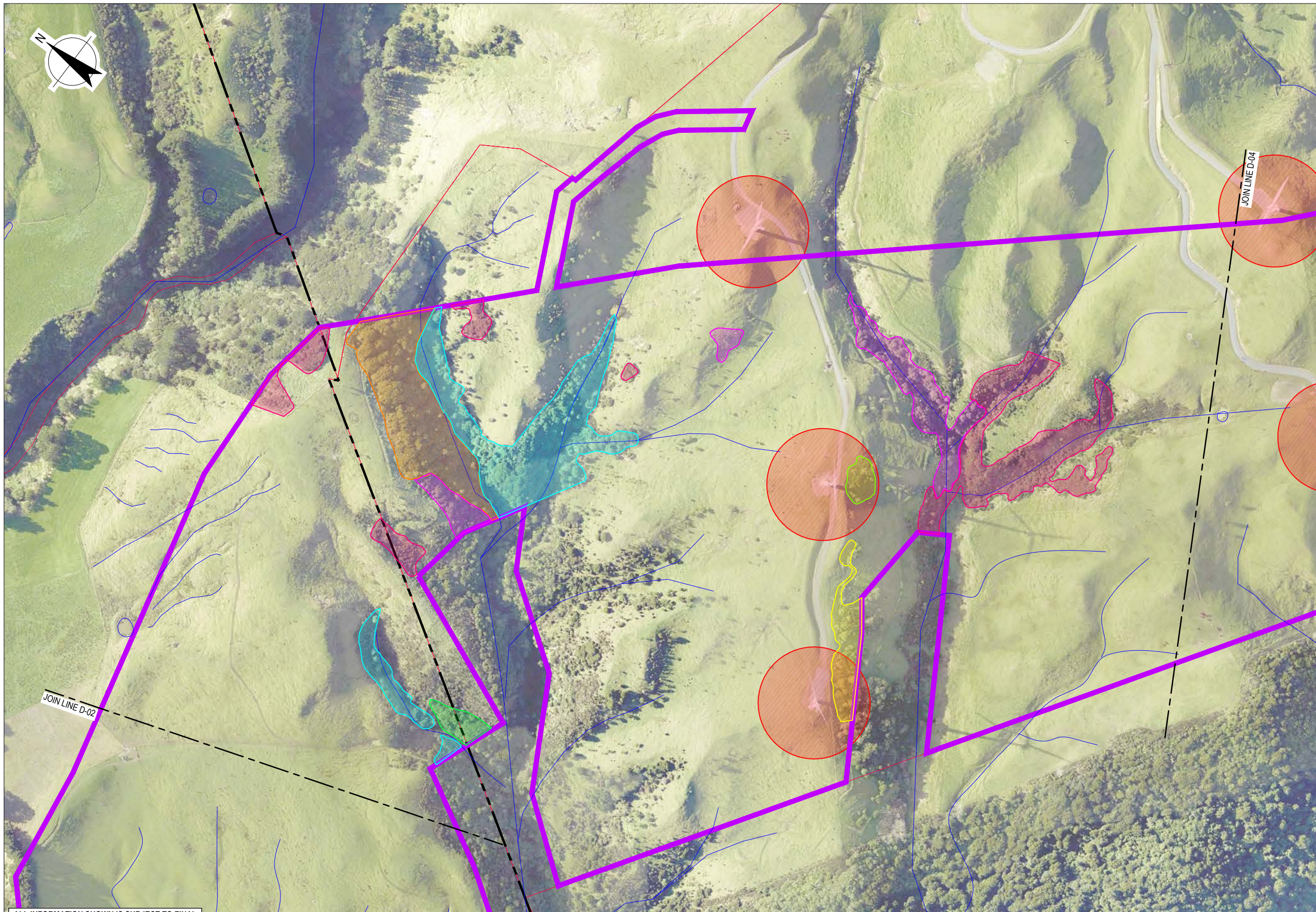
Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE

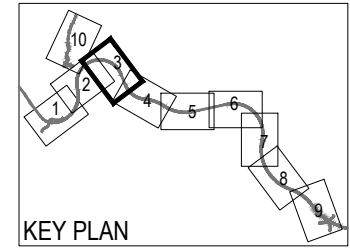
GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	1:2000-A1, 1:4000-A3		

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	DESIGNATION PLAN - CH 3900 TO CH 5200		
	SHEET 2 OF 10		
Original Size	Project Number:	Drawing Number:	Rev:
A1	51-38113	D-02	A



- LEGEND:**
- PROPOSED DESIGNATION
 - PROPERTY BOUNDARY
 - WIND TURBINE PLUS 60m RADII ZONE - WORK (EXCEPT RELOCATIONS OF SERVICES AND ACCESSES) SUBJECT TO ASSESSMENT OF POTENTIAL IMPACT ON THE SAFE AND EFFICIENT OPERATION OF TURBINE
 - DWELLING SEPARATION (ACOUSTICS)
 - OLD-GROWTH FOREST ALLUVIAL
 - OLD-GROWTH FOREST HILL COUNTRY
 - SECONDARY BROADLEAVED FORESTS WITH OLD-GROWTH SIGNATURES
 - OLD-GROWTH TREELANDS
 - KANUKA FORESTS
 - ADVANCED SECONDARY BROADLEAVED FOREST
 - INDIGENOUS DOMINATED SEEPAGE WETLANDS HIGH VALUE
 - INDIGENOUS DOMINATED SEEP WETLANDS MODERATE VALUE
 - SECONDARY BROADLEAVED FORESTS AND SCRUBLANDS
 - MANUKA KANUKA AND DIVARICATING SHRUBLANDS



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A FOR SUBMISSION					WS	AW*	AW*	10/18
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date		



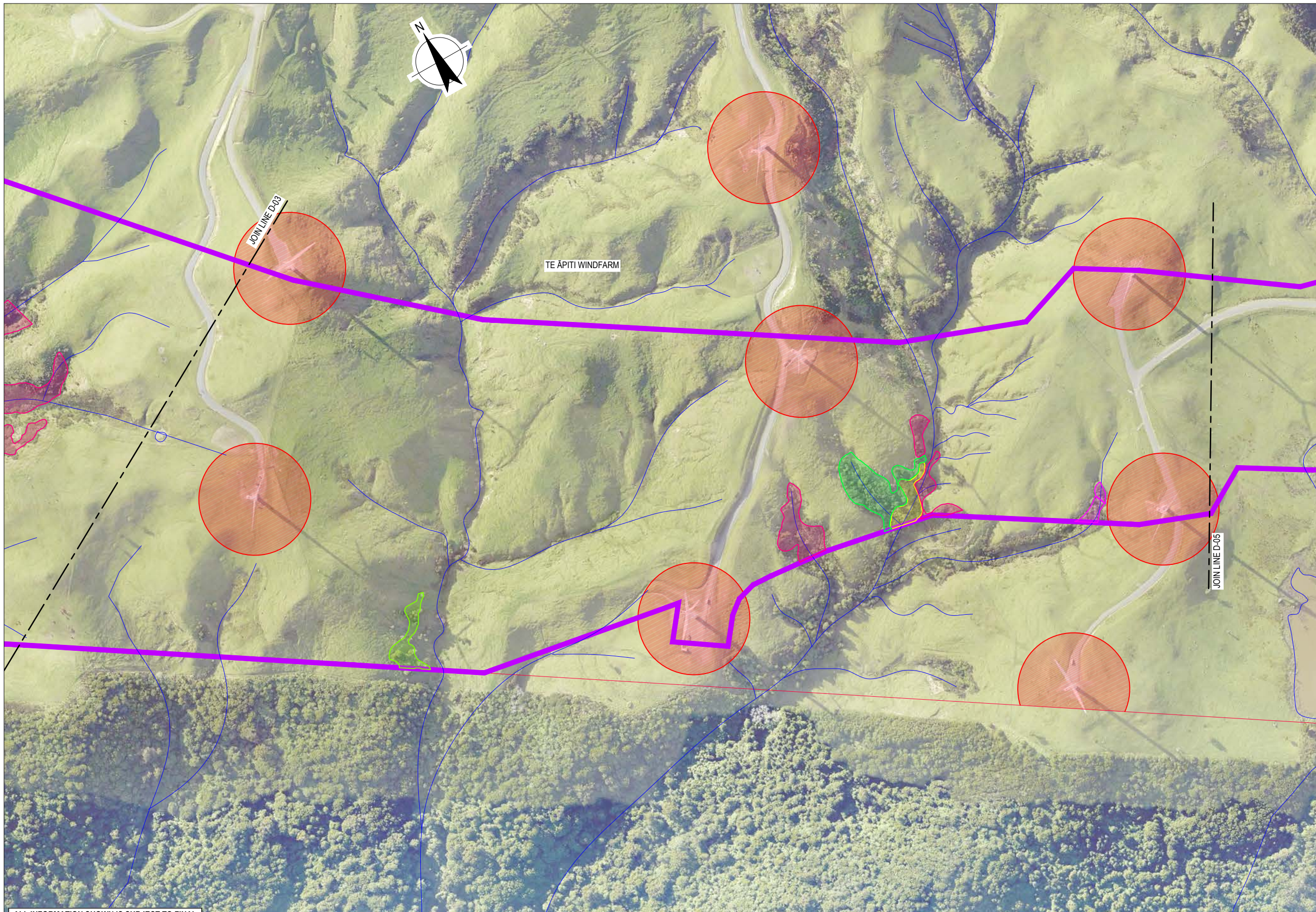
GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

DO NOT SCALE

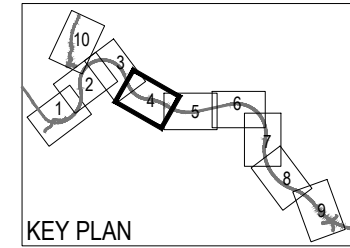
Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	1:2000-A1, 1:4000-A3		

This Drawing must not be used for Construction unless signed as Approved

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	DESIGNATION PLAN - CH 5200 TO CH 6500		
	SHEET 3 OF 10		
Original Size	Project Number:	Drawing Number:	Rev:
A1	51-38113	D-03	A



- LEGEND:**
- PROPOSED DESIGNATION
 - PROPERTY BOUNDARY
 - WIND TURBINE PLUS 60m RADII ZONE - WORK (EXCEPT RELOCATIONS OF SERVICES AND ACCESSES) SUBJECT TO ASSESSMENT OF POTENTIAL IMPACT ON THE SAFE AND EFFICIENT OPERATION OF TURBINE
 - DWELLING SEPARATION (ACOUSTICS)
 - ▭ OLD-GROWTH FOREST ALLUVIAL
 - ▭ OLD-GROWTH FOREST HILL COUNTRY
 - ▭ SECONDARY BROADLEAVED FORESTS WITH OLD-GROWTH SIGNATURES
 - ▭ OLD-GROWTH TREELANDS
 - ▭ KANUKA FORESTS
 - ▭ ADVANCED SECONDARY BROADLEAVED FOREST
 - ▭ INDIGENOUS DOMINATED SEEPAGE WETLANDS HIGH VALUE
 - ▭ INDIGENOUS DOMINATED SEEP WETLANDS MODERATE VALUE
 - ▭ SECONDARY BROADLEAVED FORESTS AND SCRUBLANDS
 - ▭ MANUKA KANUKA AND DIVARICATING SHRUBLANDS



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

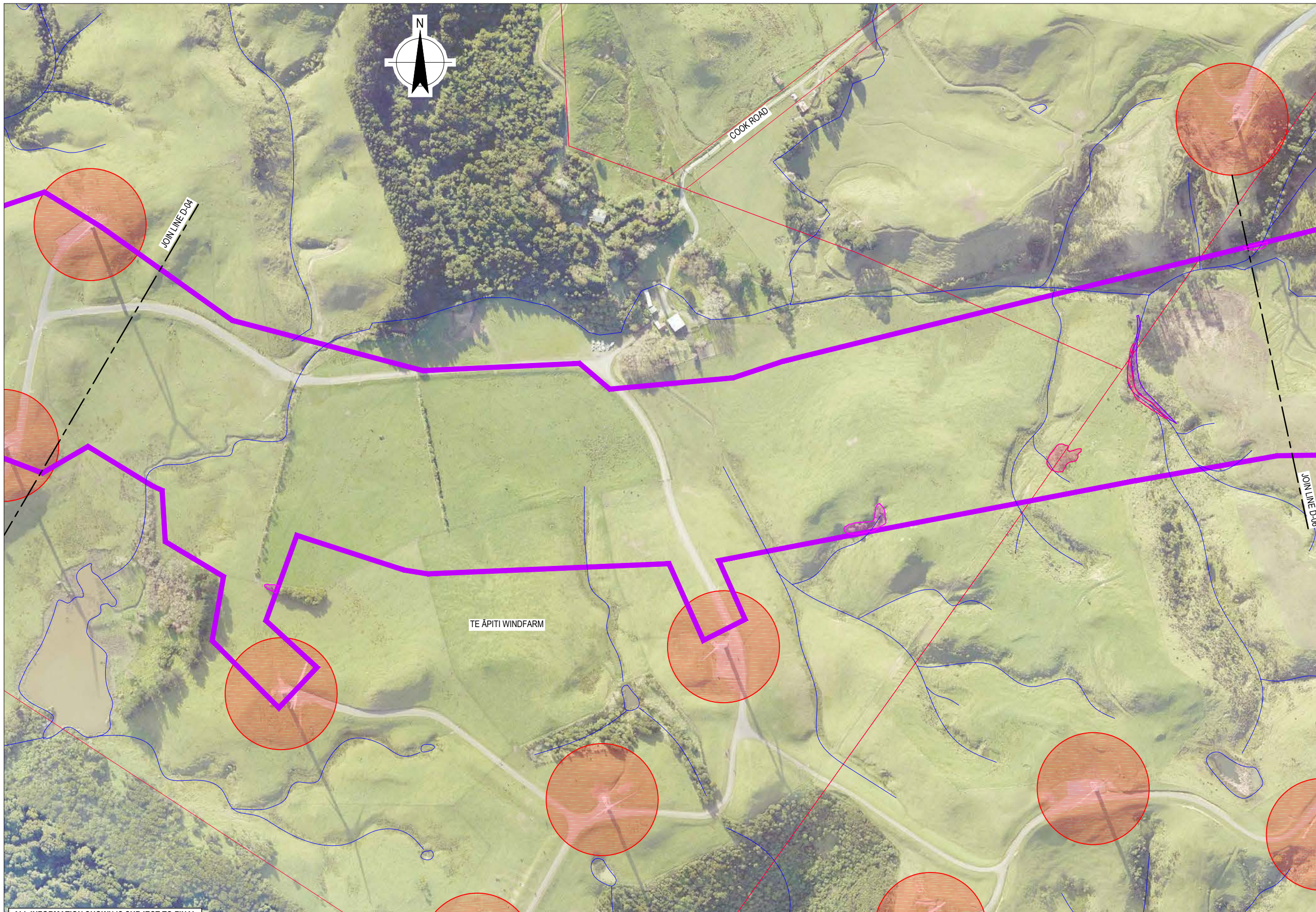
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
A	FOR SUBMISSION		WS	AW*	AW*	10/18



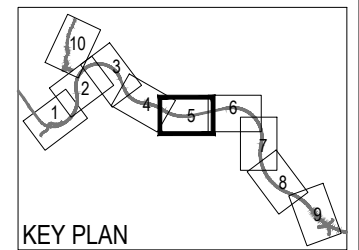
GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

DO NOT SCALE		Drawn W SMITH	Designed T CRONIN
Drafting Check T CRONIN*	Design Check A WHALEY*	Approved A WHALEY*	Date OCTOBER 2018
Scale 1:2000-A1, 1:4000-A3	This Drawing must not be used for Construction unless signed as Approved		

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	DESIGNATION PLAN - CH 6500 TO CH 7700		
Original Size	Project Number: 51-38113	Drawing Number: D-04	Rev: A



- LEGEND:**
- PROPOSED DESIGNATION
 - PROPERTY BOUNDARY
 - WIND TURBINE PLUS 60m RADII ZONE - WORK (EXCEPT RELOCATIONS OF SERVICES AND ACCESSES) SUBJECT TO ASSESSMENT OF POTENTIAL IMPACT ON THE SAFE AND EFFICIENT OPERATION OF TURBINE
 - DWELLING SEPARATION (ACOUSTICS)
 - OLD-GROWTH FOREST ALLUVIAL
 - OLD-GROWTH FOREST HILL COUNTRY
 - SECONDARY BROADLEAVED FORESTS WITH OLD-GROWTH SIGNATURES
 - OLD-GROWTH TREELANDS
 - KANUKA FORESTS
 - ADVANCED SECONDARY BROADLEAVED FOREST
 - INDIGENOUS DOMINATED SEEPAGE WETLANDS HIGH VALUE
 - INDIGENOUS DOMINATED SEEP WETLANDS MODERATE VALUE
 - SECONDARY BROADLEAVED FORESTS AND SCRUBLANDS
 - MANUKA KANUKA AND DIVARICATING SHRUBLANDS



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A FOR SUBMISSION		WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE

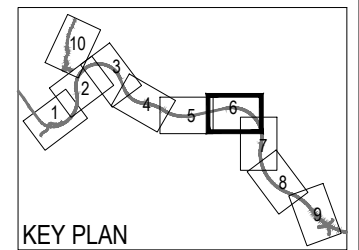
GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	1:2000-A1, 1:4000-A3		

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	DESIGNATION PLAN - CH 7700 TO CH 9000		
	SHEET 5 OF 10		
Original Size	Project Number:	51-38113	Drawing Number: D-05 Rev: A



- LEGEND:**
- PROPOSED DESIGNATION
 - PROPERTY BOUNDARY
 - WIND TURBINE PLUS 60m RADII ZONE - WORK (EXCEPT RELOCATIONS OF SERVICES AND ACCESSES) SUBJECT TO ASSESSMENT OF POTENTIAL IMPACT ON THE SAFE AND EFFICIENT OPERATION OF TURBINE
 - DWELLING SEPARATION (ACOUSTICS)
 - OLD-GROWTH FOREST ALLUVIAL
 - OLD-GROWTH FOREST HILL COUNTRY
 - SECONDARY BROADLEAVED FORESTS WITH OLD-GROWTH SIGNATURES
 - OLD-GROWTH TREELANDS
 - KANUKA FORESTS
 - ADVANCED SECONDARY BROADLEAVED FOREST
 - INDIGENOUS DOMINATED SEEPAGE WETLANDS HIGH VALUE
 - INDIGENOUS DOMINATED SEEP WETLANDS MODERATE VALUE
 - SECONDARY BROADLEAVED FORESTS AND SCRUBLANDS
 - MANUKA KANAUKA AND DIVARICATING SHRUBLANDS



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A FOR SUBMISSION		WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE

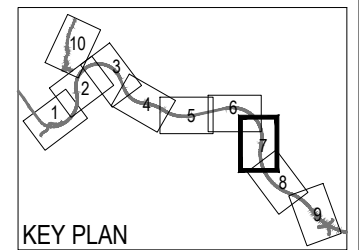
GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	1:2000-A1, 1:4000-A3		

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	DESIGNATION PLAN - CH 9000 TO CH 10300		
	SHEET 6 OF 10		
Original Size	Project Number:	51-38113	Drawing Number: D-06 Rev: A



- LEGEND:**
- PROPOSED DESIGNATION
 - PROPERTY BOUNDARY
 - WIND TURBINE PLUS 60m RADII ZONE - WORK (EXCEPT RELOCATIONS OF SERVICES AND ACCESSES) SUBJECT TO ASSESSMENT OF POTENTIAL IMPACT ON THE SAFE AND EFFICIENT OPERATION OF TURBINE
 - DWELLING SEPARATION (ACOUSTICS)
 - OLD-GROWTH FOREST ALLUVIAL
 - OLD-GROWTH FOREST HILL COUNTRY
 - SECONDARY BROADLEAVED FORESTS WITH OLD-GROWTH SIGNATURES
 - OLD-GROWTH TREELANDS
 - KANUKA FORESTS
 - ADVANCED SECONDARY BROADLEAVED FOREST
 - INDIGENOUS DOMINATED SEEPAGE WETLANDS HIGH VALUE
 - INDIGENOUS DOMINATED SEEP WETLANDS MODERATE VALUE
 - SECONDARY BROADLEAVED FORESTS AND SCRUBLANDS
 - MANUKA KANUKA AND DIVARICATING SHRUBLANDS



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A FOR SUBMISSION		WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



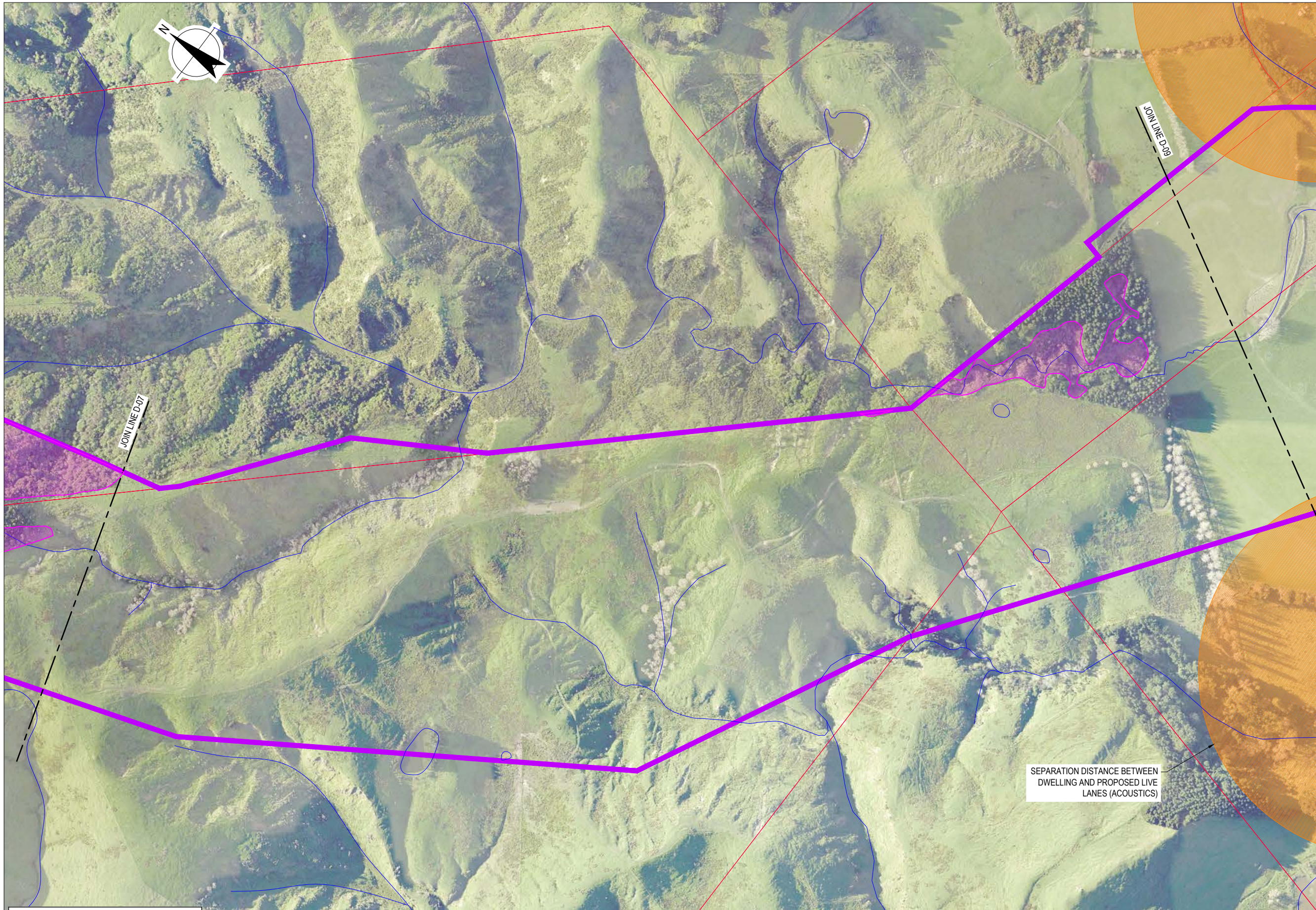
Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

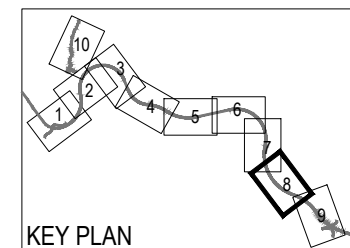
Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	1:2000-A1, 1:4000-A3		

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	DESIGNATION PLAN - CH 10300 TO CH 11500		
	SHEET 7 OF 10		
Original Size	Project Number:	51-38113	Drawing Number: D-07 Rev: A



- LEGEND:**
- PROPOSED DESIGNATION
 - PROPERTY BOUNDARY
 - WIND TURBINE PLUS 60m RADII ZONE - WORK (EXCEPT RELOCATIONS OF SERVICES AND ACCESSES) SUBJECT TO ASSESSMENT OF POTENTIAL IMPACT ON THE SAFE AND EFFICIENT OPERATION OF TURBINE
 - DWELLING SEPARATION (ACOUSTICS)
 - OLD-GROWTH FOREST ALLUVIAL
 - OLD-GROWTH FOREST HILL COUNTRY
 - SECONDARY BROADLEAVED FORESTS WITH OLD-GROWTH SIGNATURES
 - OLD-GROWTH TREELANDS
 - KANUKA FORESTS
 - ADVANCED SECONDARY BROADLEAVED FOREST
 - INDIGENOUS DOMINATED SEEPAGE WETLANDS HIGH VALUE
 - INDIGENOUS DOMINATED SEEP WETLANDS MODERATE VALUE
 - SECONDARY BROADLEAVED FORESTS AND SCRUBLANDS
 - MANUKA KANUKA AND DIVARICATING SHRUBLANDS

SEPARATION DISTANCE BETWEEN DWELLING AND PROPOSED LIVE LANES (ACOUSTICS)



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

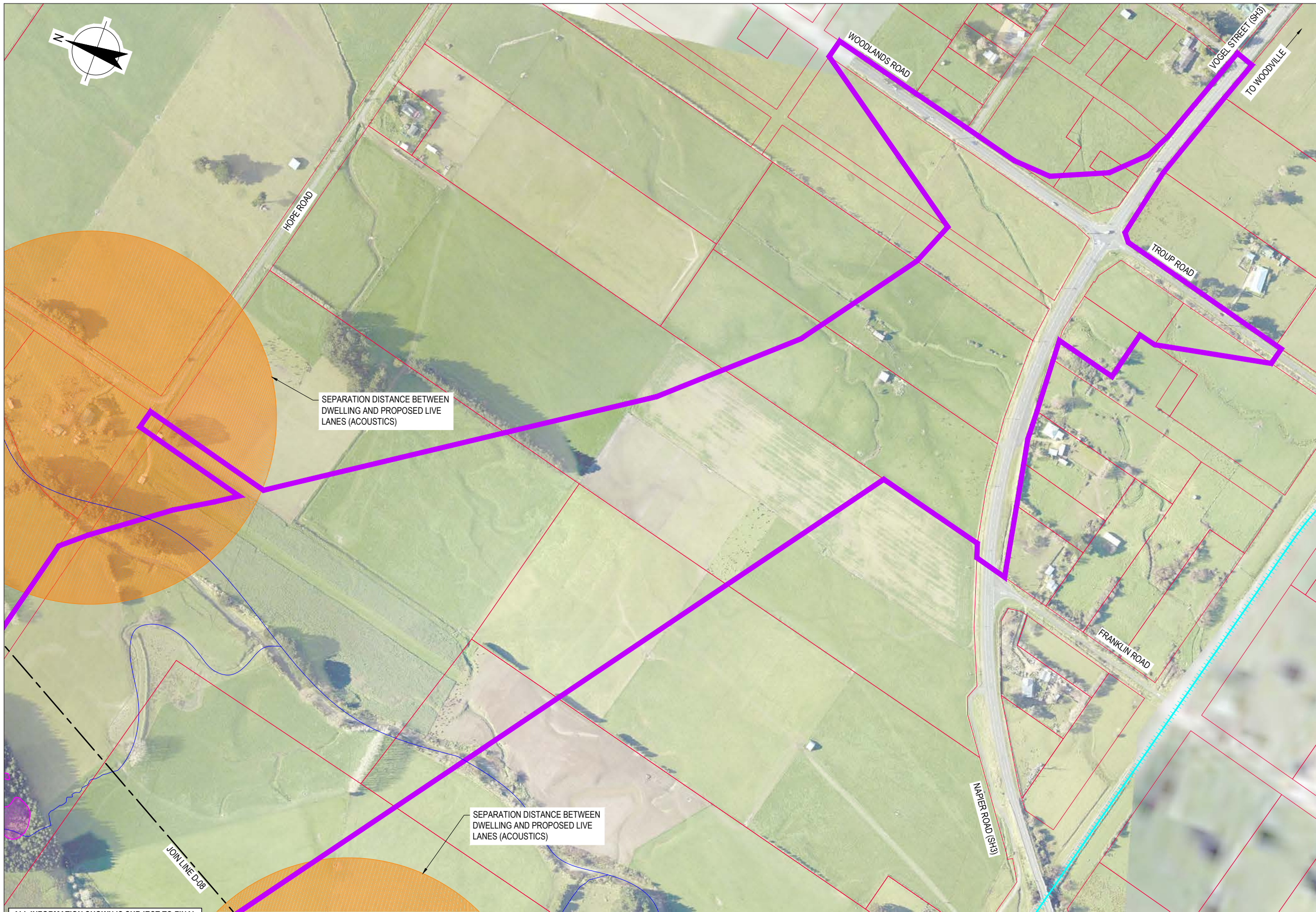
A FOR SUBMISSION		WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



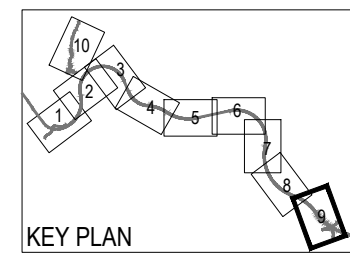
GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

DO NOT SCALE		Drawn W SMITH	Designed T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	1:2000-A1, 1:4000-A3		
This Drawing must not be used for Construction unless signed as Approved			

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	DESIGNATION PLAN - CH 11500 TO CH 12800		
Original Size	Project Number:	Drawing Number:	Rev:
A1	51-38113	D-08	A



- LEGEND:**
- PROPOSED DESIGNATION
 - PROPERTY BOUNDARY
 - WIND TURBINE PLUS 60m RADII ZONE - WORK (EXCEPT RELOCATIONS OF SERVICES AND ACCESSES) SUBJECT TO ASSESSMENT OF POTENTIAL IMPACT ON THE SAFE AND EFFICIENT OPERATION OF TURBINE
 - DWELLING SEPARATION (ACOUSTICS)
 - OLD-GROWTH FOREST ALLUVIAL
 - OLD-GROWTH FOREST HILL COUNTRY
 - SECONDARY BROADLEAVED FORESTS WITH OLD-GROWTH SIGNATURES
 - OLD-GROWTH TREELANDS
 - KANUKA FORESTS
 - ADVANCED SECONDARY BROADLEAVED FOREST
 - INDIGENOUS DOMINATED SEEPAGE WETLANDS HIGH VALUE
 - INDIGENOUS DOMINATED SEEP WETLANDS MODERATE VALUE
 - SECONDARY BROADLEAVED FORESTS AND SCRUBLANDS
 - MANUKA KANUKA AND DIVARICATING SHRUBLANDS



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A FOR SUBMISSION		WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

DO NOT SCALE

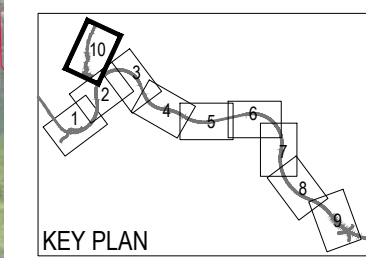
Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	1:2000-A1, 1:4000-A3		

This Drawing must not be used for Construction unless signed as Approved

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	DESIGNATION PLAN - CH 12800 TO CH 14200		
	SHEET 9 OF 10		
Original Size	Project Number:	Drawing Number:	Rev:
A1	51-38113	D-09	A



- LEGEND:**
- PROPOSED DESIGNATION
 - PROPERTY BOUNDARY
 - WIND TURBINE PLUS 60m RADII ZONE - WORK (EXCEPT RELOCATIONS OF SERVICES AND ACCESSES) SUBJECT TO ASSESSMENT OF POTENTIAL IMPACT ON THE SAFE AND EFFICIENT OPERATION OF TURBINE
 - DWELLING SEPARATION (ACOUSTICS)
 - OLD-GROWTH FOREST ALLUVIAL
 - OLD-GROWTH FOREST HILL COUNTRY
 - SECONDARY BROADLEAVED FORESTS WITH OLD-GROWTH SIGNATURES
 - OLD-GROWTH TREELANDS
 - KANUKA FORESTS
 - ADVANCED SECONDARY BROADLEAVED FOREST
 - INDIGENOUS DOMINATED SEEPAGE WETLANDS HIGH VALUE
 - INDIGENOUS DOMINATED SEEP WETLANDS MODERATE VALUE
 - SECONDARY BROADLEAVED FORESTS AND SCRUBLANDS
 - MANUKA KANUKA AND DIVARICATING SHRUBLANDS



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT


A FOR SUBMISSION		WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



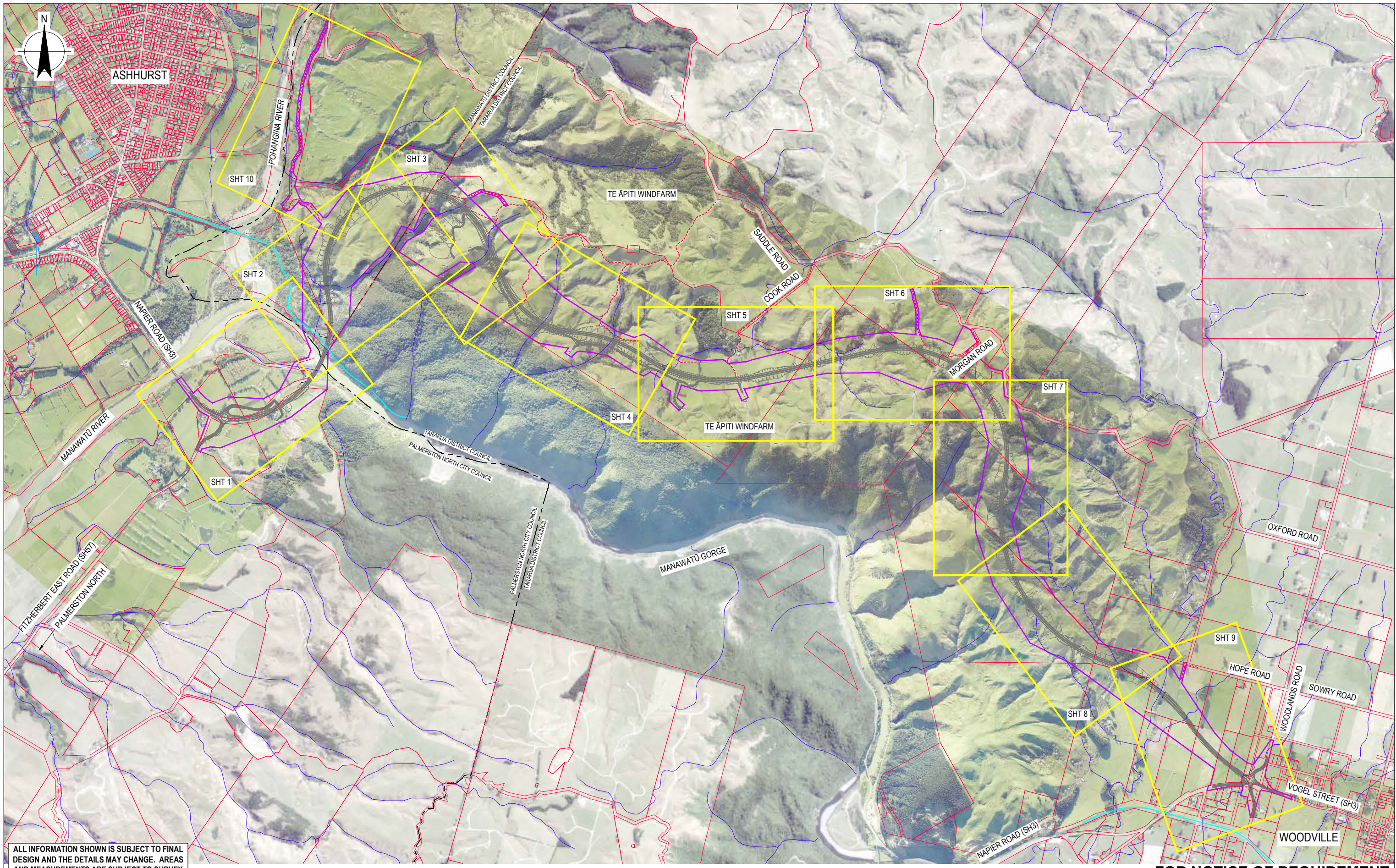
GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

DO NOT SCALE		Drawn W SMITH	Designed T CRONIN
Drafting Check T CRONIN*	Design Check A WHALEY*	Approved A WHALEY*	Date OCTOBER 2018
Scale 1:2000-A1, 1:4000-A3	This Drawing must not be used for Construction unless signed as Approved		

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY DESIGNATION PLAN - ACCESS TRACK TO SADDLE RD		
Title	SHEET 10 OF 10		
Original Size	Project Number: 51-38113	Drawing Number: D-10	Rev: A



**INDICATIVE
ALIGNMENT
PLANS**



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

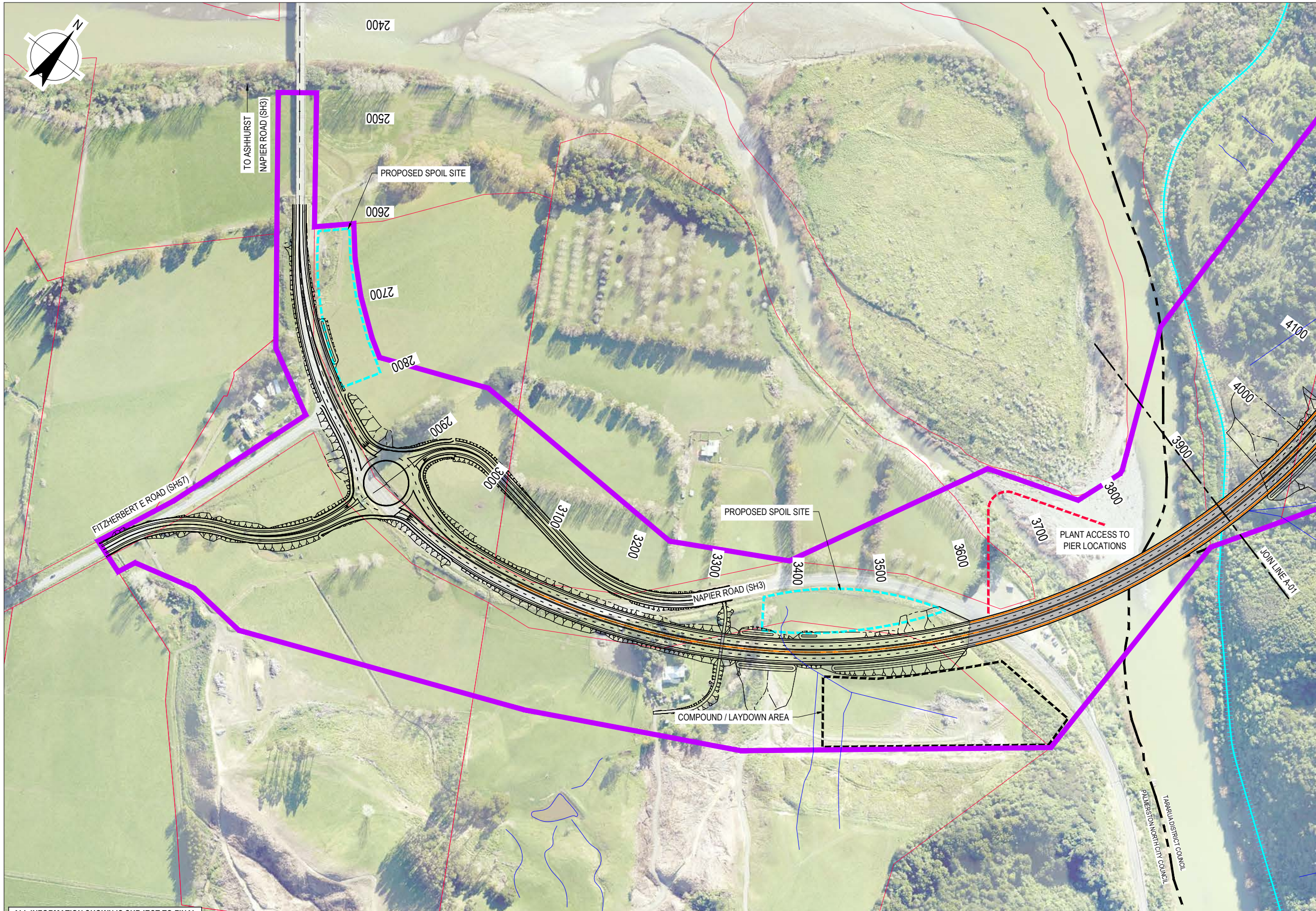
A	FOR SUBMISSION	WS	AW*	AW*	10/18
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved
					Date



GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

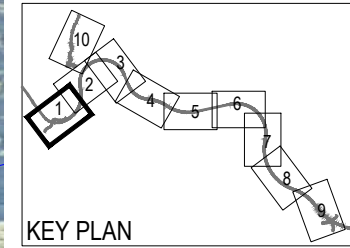
DO NOT SCALE	Drawn W SMITH	Designed T CRONIN
GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	Drafting Check T CRONIN*	Design Check A WHALEY*
	Approved A WHALEY*	
	Date OCTOBER 2018	
	Scale N.T.S.	This Drawing must not be used for Construction unless signed as Approved

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	INDICATIVE ALIGNMENT KEY PLAN		
Original Size	Project Number:	Drawing Number:	Rev:
A1	51-38113	A-00	A



LEGEND

- PROPOSED DESIGNATION
- PROPERTY BOUNDARY
- CONTROL STRING AND CHAINAGE
- FILL SLOPES
- CUT SLOPE
- CUT SLOPE BENCH
- BRIDGE STRUCTURE (INDICATIVE)
- RAIL LINE
- WIND FARM TURBINES
- WIND TURBINE PLUS 60m RADIi ZONE - WORK (EXCEPT RELOCATIONS OF SERVICES AND ACCESSES) SUBJECT TO ASSESSMENT OF POTENTIAL IMPACT ON THE SAFE AND EFFICIENT OPERATION OF TURBINE
- - - POTENTIAL SITE ACCESS
- - - PROPOSED SPOIL SITE
- - - COMPOUND / LAY DOWN AREA
- - - WIND FARM RE-CABLING (INDICATIVE)



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A FOR SUBMISSION		WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



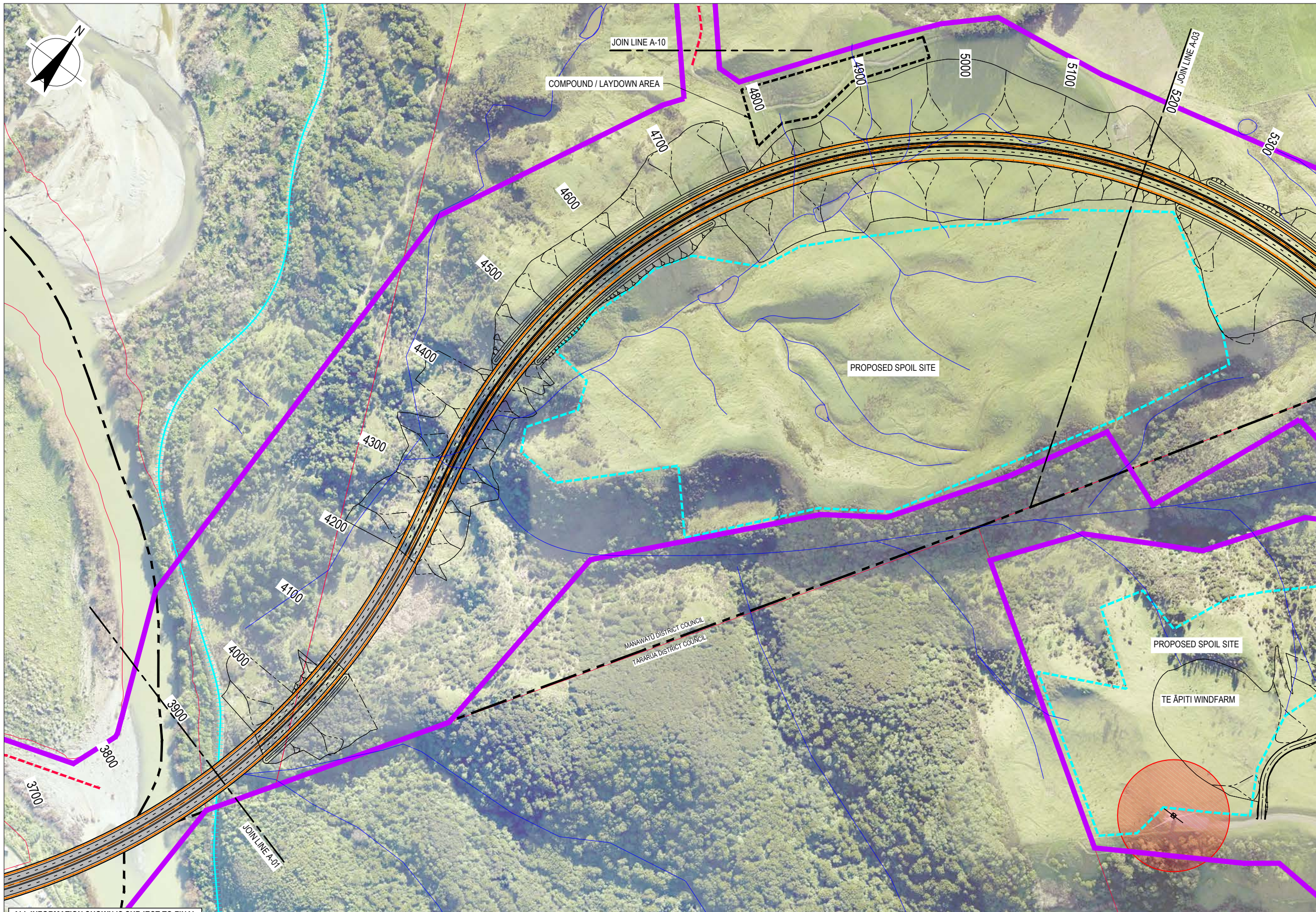
GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

DO NOT SCALE

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	1:2000-A1, 1:4000-A3		

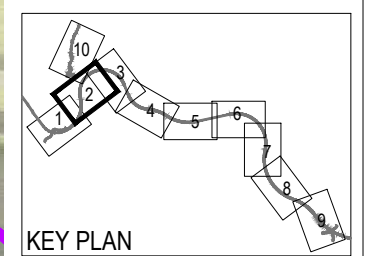
This Drawing must not be used for Construction unless signed as Approved

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	INDICATIVE ALIGNMENT PLAN - CH 2600 TO CH 3900		
	SHEET 1 OF 10		
Original Size	Project Number:	Drawing Number:	Rev:
A1	51-38113	A-01	A



LEGEND

- PROPOSED DESIGNATION
- PROPERTY BOUNDARY
- CONTROL STRING AND CHAINAGE
- FILL SLOPES
- CUT SLOPE
- CUT SLOPE BENCH
- BRIDGE STRUCTURE (INDICATIVE)
- RAIL LINE
- WIND FARM TURBINES
- WIND TURBINE PLUS 60m RADIUS ZONE - WORK (EXCEPT RELOCATIONS OF SERVICES AND ACCESSES) SUBJECT TO ASSESSMENT OF POTENTIAL IMPACT ON THE SAFE AND EFFICIENT OPERATION OF TURBINE
- - - POTENTIAL SITE ACCESS
- - - PROPOSED SPOIL SITE
- - - COMPOUND / LAY DOWN AREA
- - - WIND FARM RE-CABLING (INDICATIVE)



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

No	Revision	Note	Drawn	Checked	Approved	Date
A	FOR SUBMISSION		WS	AW*	AW*	10/18

Note: * indicates signatures on original issue of drawing or last revision of drawing



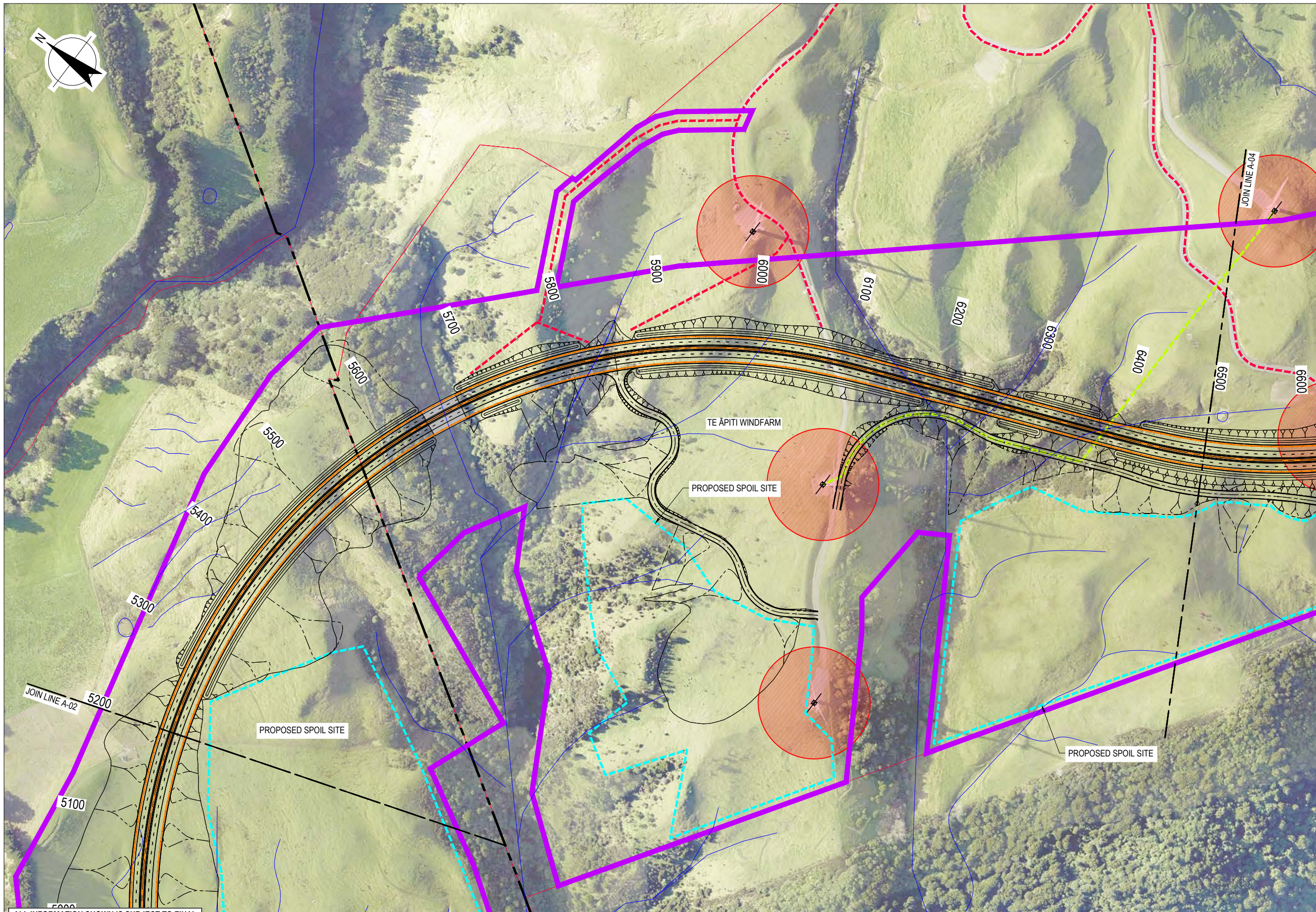
GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

DO NOT SCALE

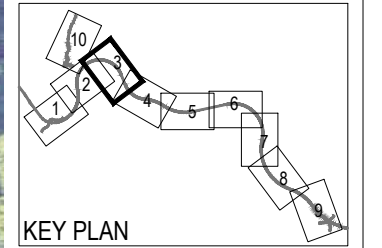
Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	1:2000-A1, 1:4000-A3		

This Drawing must not be used for Construction unless signed as Approved

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	INDICATIVE ALIGNMENT PLAN - CH 3900 TO CH 5200		
	SHEET 2 OF 10		
Original Size	Project Number:	Drawing Number:	Rev:
A1	51-38113	A-02	A



- LEGEND**
- PROPOSED DESIGNATION
 - PROPERTY BOUNDARY
 - CONTROL STRING AND CHAINAGE
 - FILL SLOPES
 - CUT SLOPE
 - CUT SLOPE BENCH
 - BRIDGE STRUCTURE (INDICATIVE)
 - RAIL LINE
 - WIND FARM TURBINES
 - WIND TURBINE PLUS 60m RADI ZONE - WORK (EXCEPT RELOCATIONS OF SERVICES AND ACCESSES) SUBJECT TO ASSESSMENT OF POTENTIAL IMPACT ON THE SAFE AND EFFICIENT OPERATION OF TURBINE
 - POTENTIAL SITE ACCESS
 - PROPOSED SPOIL SITE
 - COMPOUND / LAY DOWN AREA
 - WIND FARM RE-CABLING (INDICATIVE)



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

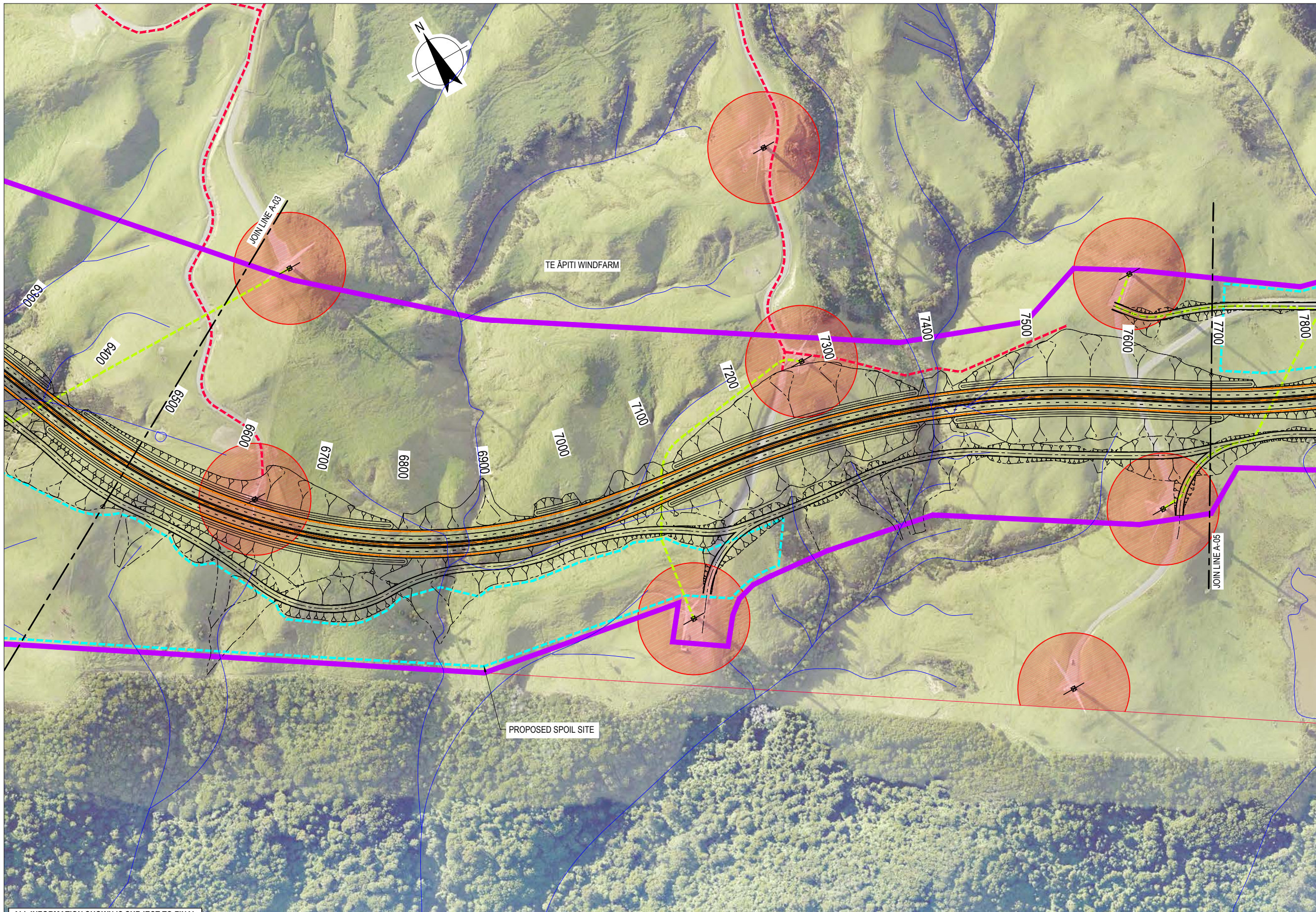
A FOR SUBMISSION					WS	AW*	AW*	10/18
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date		



GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

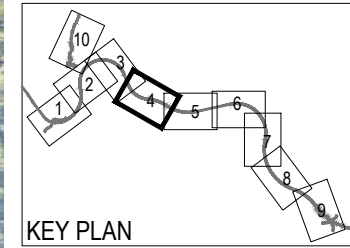
DO NOT SCALE	Drawn W SMITH	Designed T CRONIN
GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	Drafting Check T CRONIN*	Design Check A WHALEY*
	Approved A WHALEY*	
	Date OCTOBER 2018	
Scale 1:2000-A1, 1:4000-A3	This Drawing must not be used for Construction unless signed as Approved	

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	INDICATIVE ALIGNMENT PLAN - CH 5200 TO CH 6500		
	SHEET 3 OF 10		
Original Size	Project Number: 51-38113	Drawing Number: A-03	Rev: A



LEGEND

- PROPOSED DESIGNATION
- PROPERTY BOUNDARY
- CONTROL STRING AND CHAINAGE
- FILL SLOPES
- CUT SLOPE
- CUT SLOPE BENCH
- BRIDGE STRUCTURE (INDICATIVE)
- RAIL LINE
- WIND FARM TURBINES
- WIND TURBINE PLUS 60m RADIUS ZONE - WORK (EXCEPT RELOCATIONS OF SERVICES AND ACCESSES) SUBJECT TO ASSESSMENT OF POTENTIAL IMPACT ON THE SAFE AND EFFICIENT OPERATION OF TURBINE
- POTENTIAL SITE ACCESS
- PROPOSED SPOIL SITE
- COMPOUND / LAY DOWN AREA
- WIND FARM RE-CABLING (INDICATIVE)



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
A	FOR SUBMISSION		WS	AW*	AW*	10/18



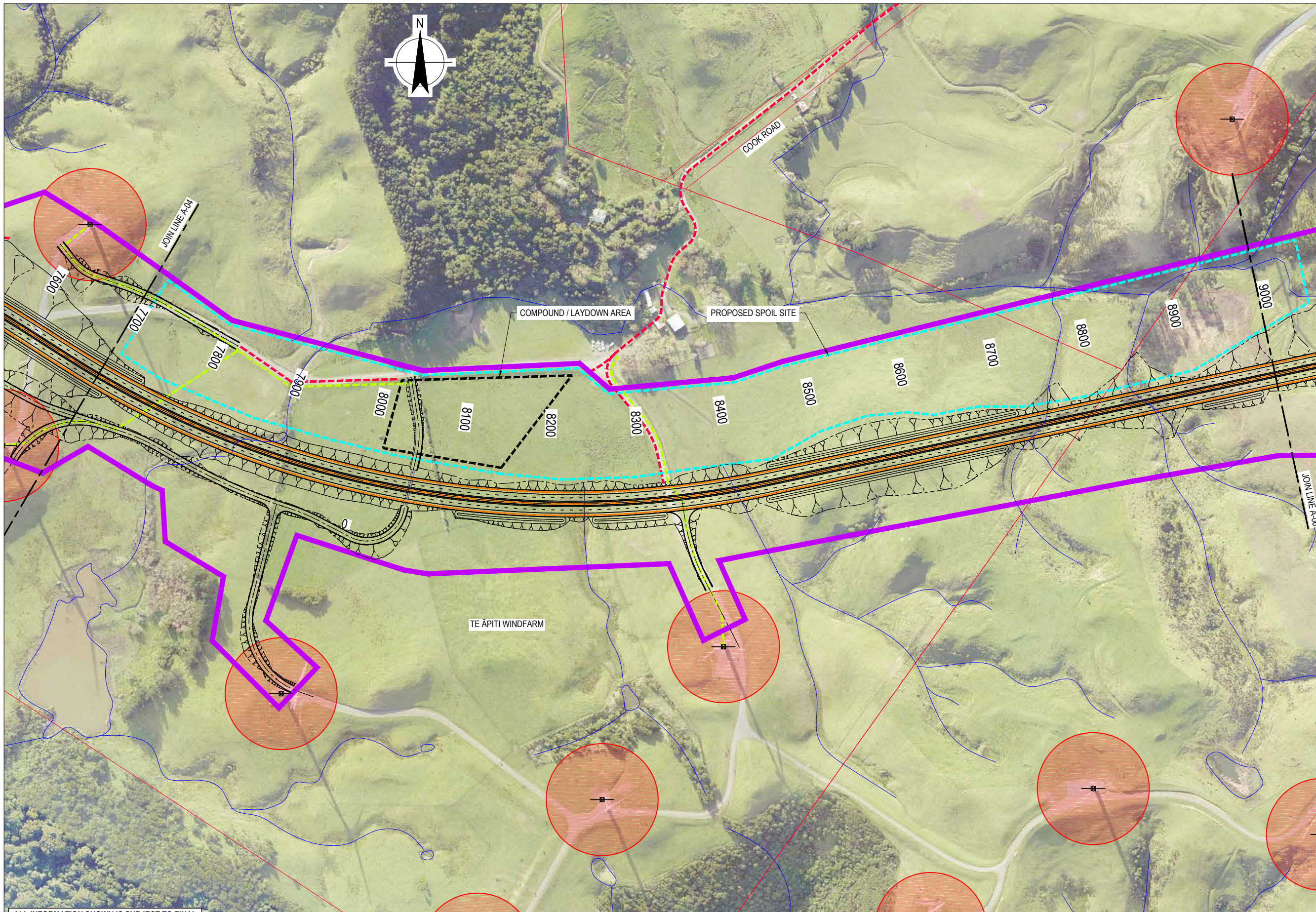
GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

DO NOT SCALE

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	1:2000-A1, 1:4000-A3		

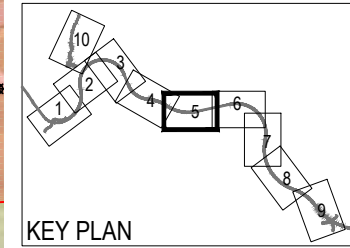
This Drawing must not be used for Construction unless signed as Approved

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	INDICATIVE ALIGNMENT PLAN - CH 6500 TO CH 7700		
Original Size	Project Number:	Drawing Number:	Rev:
A1	51-38113	A-04	A



LEGEND

- PROPOSED DESIGNATION
- PROPERTY BOUNDARY
- CONTROL STRING AND CHAINAGE
- FILL SLOPES
- CUT SLOPE
- CUT SLOPE BENCH
- BRIDGE STRUCTURE (INDICATIVE)
- RAIL LINE
- WIND FARM TURBINES
- WIND TURBINE PLUS 60m RADIUS ZONE - WORK (EXCEPT RELOCATIONS OF SERVICES AND ACCESSES) SUBJECT TO ASSESSMENT OF POTENTIAL IMPACT ON THE SAFE AND EFFICIENT OPERATION OF TURBINE
- POTENTIAL SITE ACCESS
- PROPOSED SPOIL SITE
- COMPOUND / LAY DOWN AREA
- WIND FARM RE-CABLING (INDICATIVE)



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A	FOR SUBMISSION	WS	AW*	AW*	10/18				
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date			

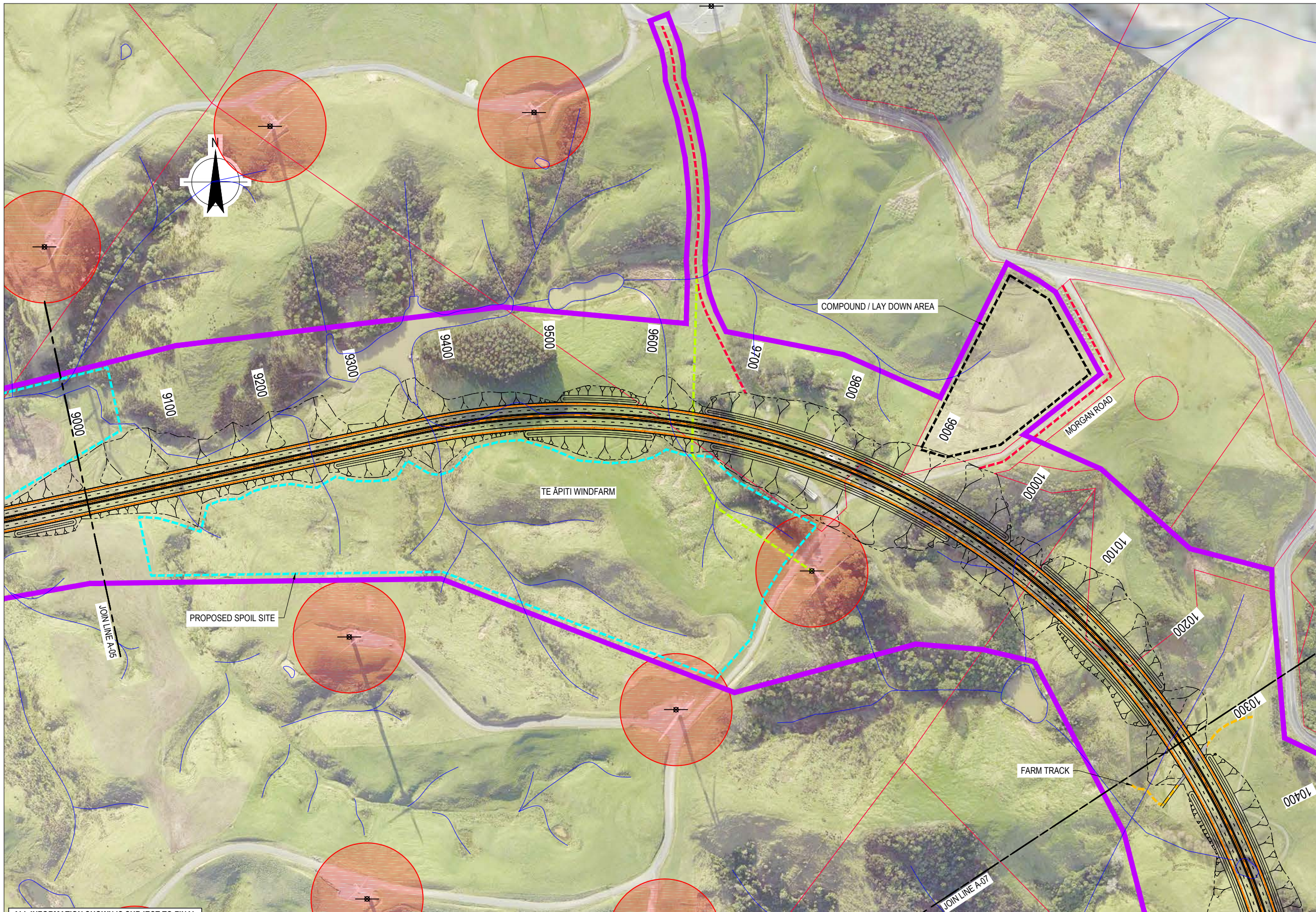


GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

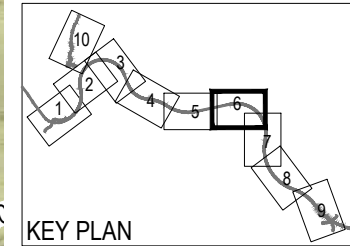
DO NOT SCALE

Drawn W SMITH	Designed T CRONIN
Drafting Check T CRONIN*	Design Check A WHALEY*
Approved A WHALEY*	
Date OCTOBER 2018	
Scale 1:2000-A1, 1:4000-A3	This Drawing must not be used for Construction unless signed as Approved

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	INDICATIVE ALIGNMENT PLAN - CH 7700 TO CH 9000		
	SHEET 5 OF 10		
Original Size	Project Number: 51-38113	Drawing Number: A-05	Rev: A



- LEGEND**
- PROPOSED DESIGNATION
 - - - PROPERTY BOUNDARY
 - CONTROL STRING AND CHAINAGE
 - FILL SLOPES
 - CUT SLOPE
 - CUT SLOPE BENCH
 - BRIDGE STRUCTURE (INDICATIVE)
 - - - RAIL LINE
 - ⊗ WIND FARM TURBINES
 - WIND TURBINE PLUS 60m RADIUS ZONE - WORK (EXCEPT RELOCATIONS OF SERVICES AND ACCESSES) SUBJECT TO ASSESSMENT OF POTENTIAL IMPACT ON THE SAFE AND EFFICIENT OPERATION OF TURBINE
 - - - POTENTIAL SITE ACCESS
 - - - PROPOSED SPOIL SITE
 - - - COMPOUND / LAY DOWN AREA
 - - - WIND FARM RE-CABLING (INDICATIVE)



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A FOR SUBMISSION					WS	AW*	AW*	10/18
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date		



GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

DO NOT SCALE

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	1:2000-A1, 1:4000-A3		

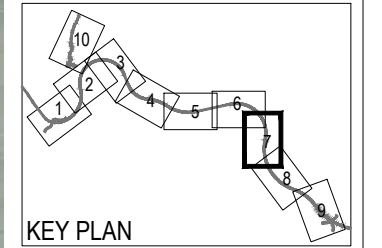
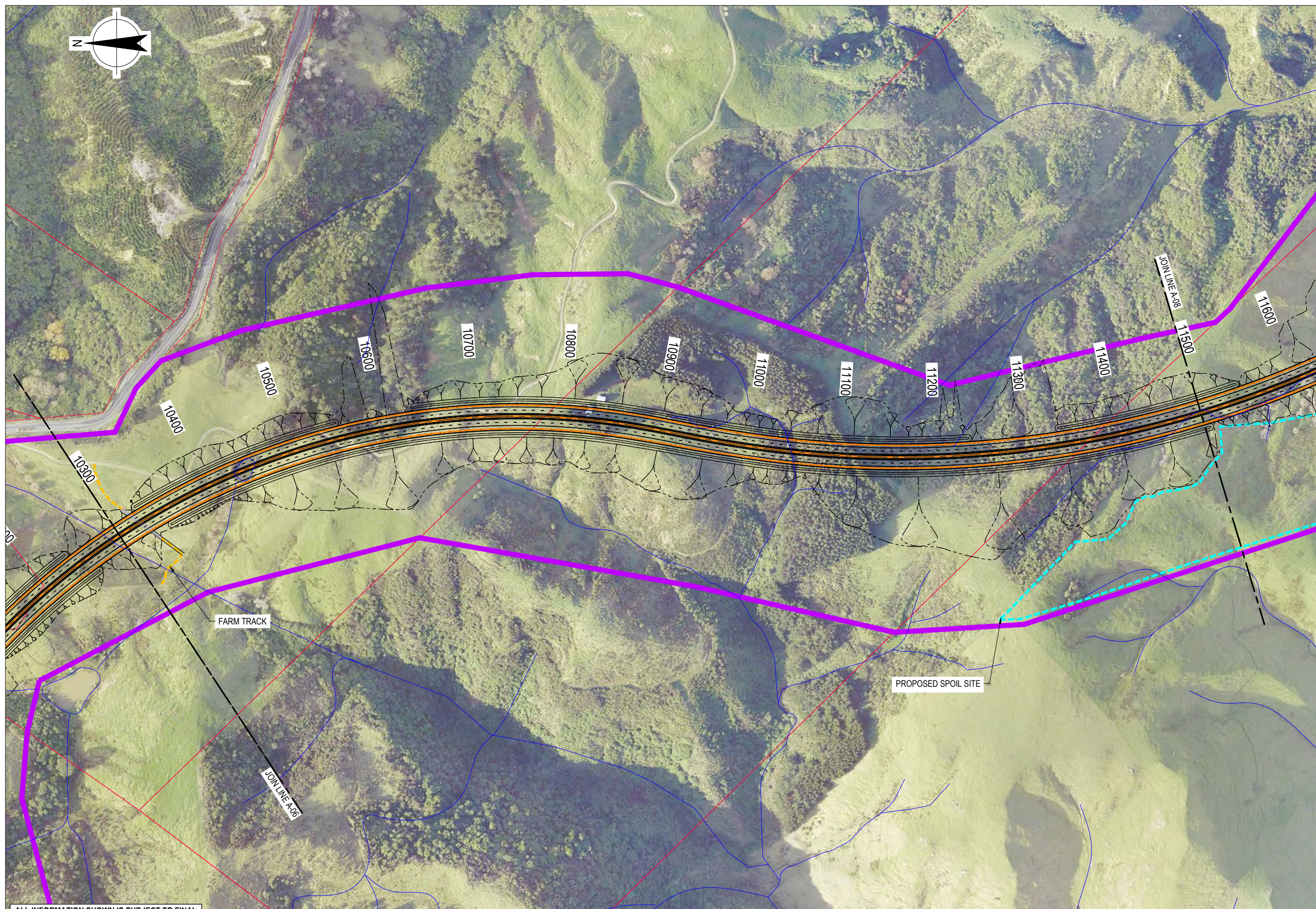
This Drawing must not be used for Construction unless signed as Approved

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	INDICATIVE ALIGNMENT PLAN - CH 9000 TO CH 10300		
	SHEET 6 OF 10		
Original Size	Project Number:	51-38113	Drawing Number: A-06 Rev: A



LEGEND

- PROPOSED DESIGNATION
- PROPERTY BOUNDARY
- CONTROL STRING AND CHAINAGE
- FILL SLOPES
- CUT SLOPE
- CUT SLOPE BENCH
- BRIDGE STRUCTURE (INDICATIVE)
- RAIL LINE
- WIND FARM TURBINES
- WIND TURBINE PLUS 60m RADIUS ZONE - WORK (EXCEPT RELOCATIONS OF SERVICES AND ACCESSES) SUBJECT TO ASSESSMENT OF POTENTIAL IMPACT ON THE SAFE AND EFFICIENT OPERATION OF TURBINE
- POTENTIAL SITE ACCESS
- PROPOSED SPOIL SITE
- COMPOUND / LAY DOWN AREA
- WIND FARM RE-CABLING (INDICATIVE)



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

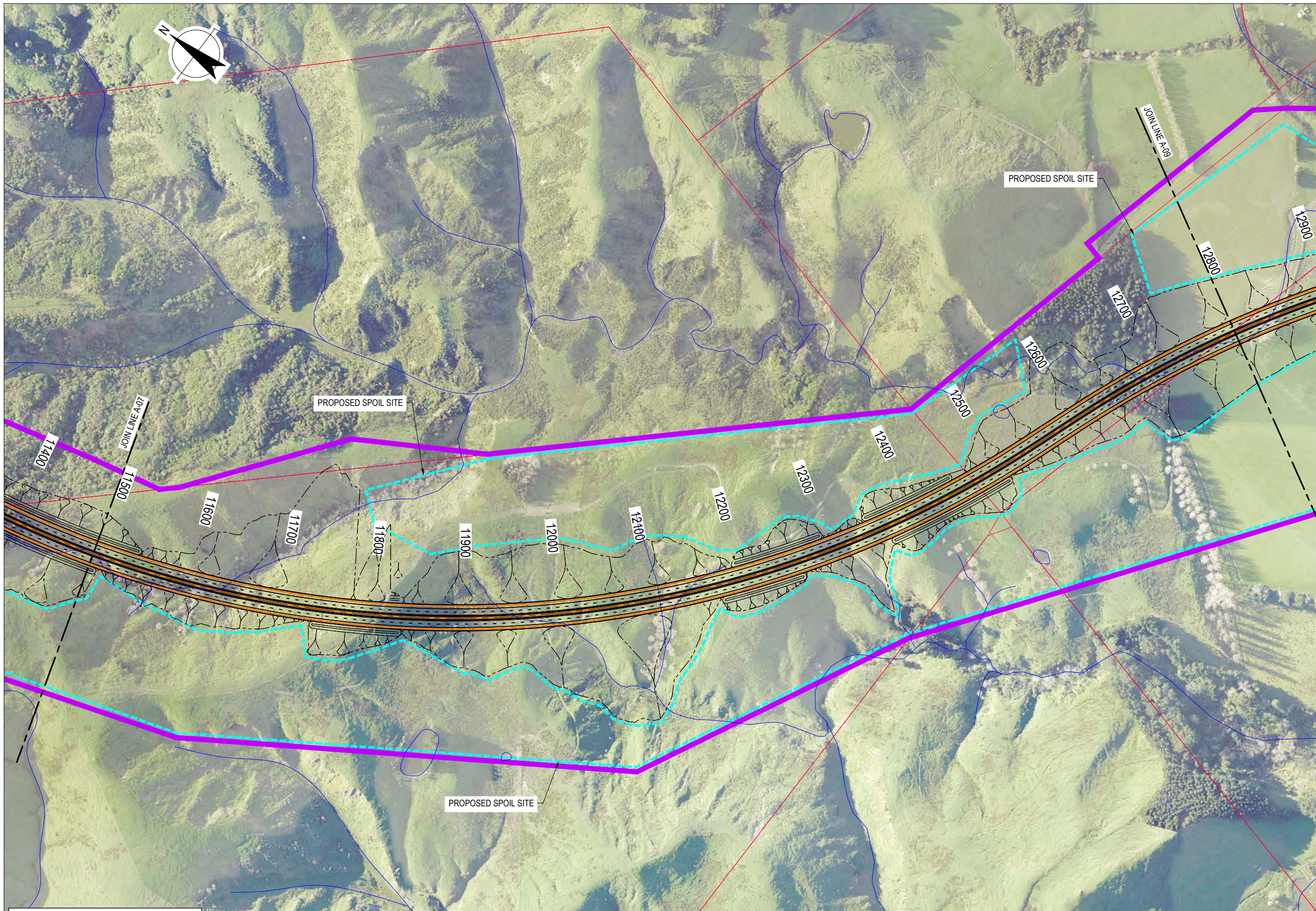
A	FOR SUBMISSION	WS	AW*	AW*	10/18
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved
					Date



GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

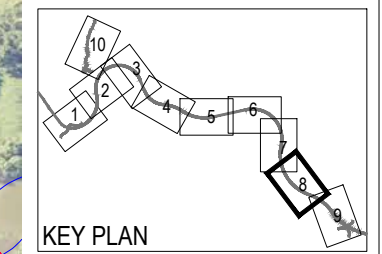
DO NOT SCALE	
Drawn W SMITH	Designed T CRONIN
Drafting Check T CRONIN*	Design Check A WHALEY*
Approved A WHALEY*	
Date OCTOBER 2018	
Scale 1:2000-A1, 1:4000-A3	This Drawing must not be used for Construction unless signed as Approved

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	INDICATIVE ALIGNMENT PLAN - CH 10300 TO CH 11500		
	SHEET 7 OF 10		
Original Size	Project Number: 51-38113	Drawing Number: A-07	Rev: A



LEGEND

- PROPOSED DESIGNATION
- PROPERTY BOUNDARY
- 100m 200m CONTROL STRING AND CHAINAGE
- FILL SLOPES
- CUT SLOPE
- CUT SLOPE BENCH
- BRIDGE STRUCTURE (INDICATIVE)
- RAIL LINE
- WIND FARM TURBINES
- WIND TURBINE PLUS 60m RADIi ZONE - WORK (EXCEPT RELOCATIONS OF SERVICES AND ACCESSES) SUBJECT TO ASSESSMENT OF POTENTIAL IMPACT ON THE SAFE AND EFFICIENT OPERATION OF TURBINE
- - - POTENTIAL SITE ACCESS
- - - PROPOSED SPOIL SITE
- - - COMPOUND / LAY DOWN AREA
- - - WIND FARM RE-CABLING (INDICATIVE)



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A FOR SUBMISSION					WS	AW*	AW*	10/18
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date		



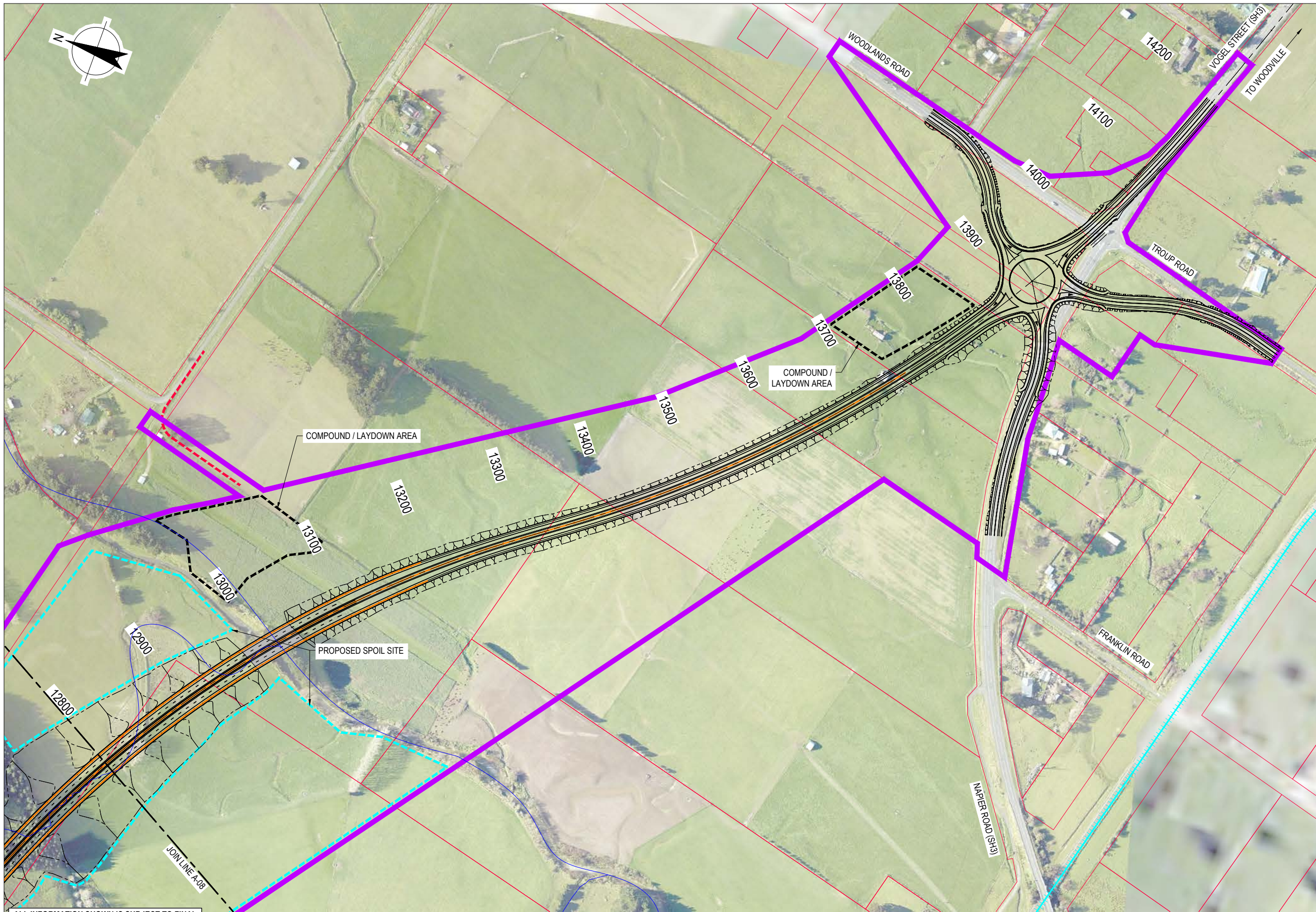
GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

DO NOT SCALE

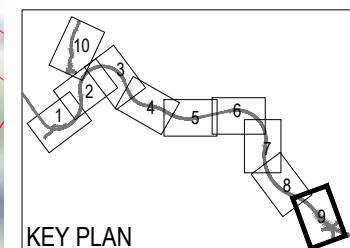
Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	1:2000-A1, 1:4000-A3		

This Drawing must not be used for Construction unless signed as Approved

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	INDICTIVE ALIGNMENT PLAN - CH 11500 TO CH 12800		
Original Size	Project Number:	51-38113	Drawing Number: A-08 Rev: A



- LEGEND**
- PROPOSED DESIGNATION
 - PROPERTY BOUNDARY
 - CONTROL STRING AND CHAINAGE
 - FILL SLOPES
 - CUT SLOPE
 - CUT SLOPE BENCH
 - BRIDGE STRUCTURE (INDICATIVE)
 - RAIL LINE
 - WIND FARM TURBINES
 - WIND TURBINE PLUS 60m RADIUS ZONE - WORK (EXCEPT RELOCATIONS OF SERVICES AND ACCESSES) SUBJECT TO ASSESSMENT OF POTENTIAL IMPACT ON THE SAFE AND EFFICIENT OPERATION OF TURBINE
 - - - POTENTIAL SITE ACCESS
 - - - PROPOSED SPOIL SITE
 - - - COMPOUND / LAY DOWN AREA
 - - - WIND FARM RE-CABLING (INDICATIVE)



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A FOR SUBMISSION					WS	AW*	AW*	10/18
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date		



GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

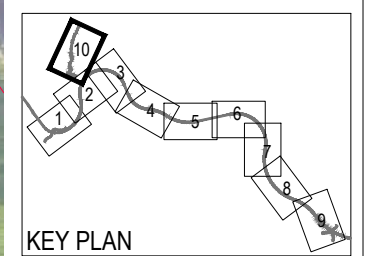
DO NOT SCALE		Drawn W SMITH	Designed T CRONIN
Drafting Check T CRONIN*	Design Check A WHALEY*	Approved A WHALEY*	Date OCTOBER 2018
GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.		Scale 1:2000-A1, 1:4000-A3	

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	INDICATIVE ALIGNMENT PLAN - CH 12800 TO CH 14200		
Original Size	Project Number:	Drawing Number:	Rev:
A1	51-38113	A-09	A



LEGEND

- PROPOSED DESIGNATION
- PROPERTY BOUNDARY
- CONTROL STRING AND CHAINAGE
- FILL SLOPES
- CUT SLOPE
- CUT SLOPE BENCH
- BRIDGE STRUCTURE (INDICATIVE)
- RAIL LINE
- WIND FARM TURBINES
- WIND TURBINE PLUS 60m RADIUS ZONE - WORK (EXCEPT RELOCATIONS OF SERVICES AND ACCESSES) SUBJECT TO ASSESSMENT OF POTENTIAL IMPACT ON THE SAFE AND EFFICIENT OPERATION OF TURBINE
- POTENTIAL SITE ACCESS
- PROPOSED SPOIL SITE
- COMPOUND / LAY DOWN AREA
- WIND FARM RE-CABLING (INDICATIVE)



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

A	FOR SUBMISSION	WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date

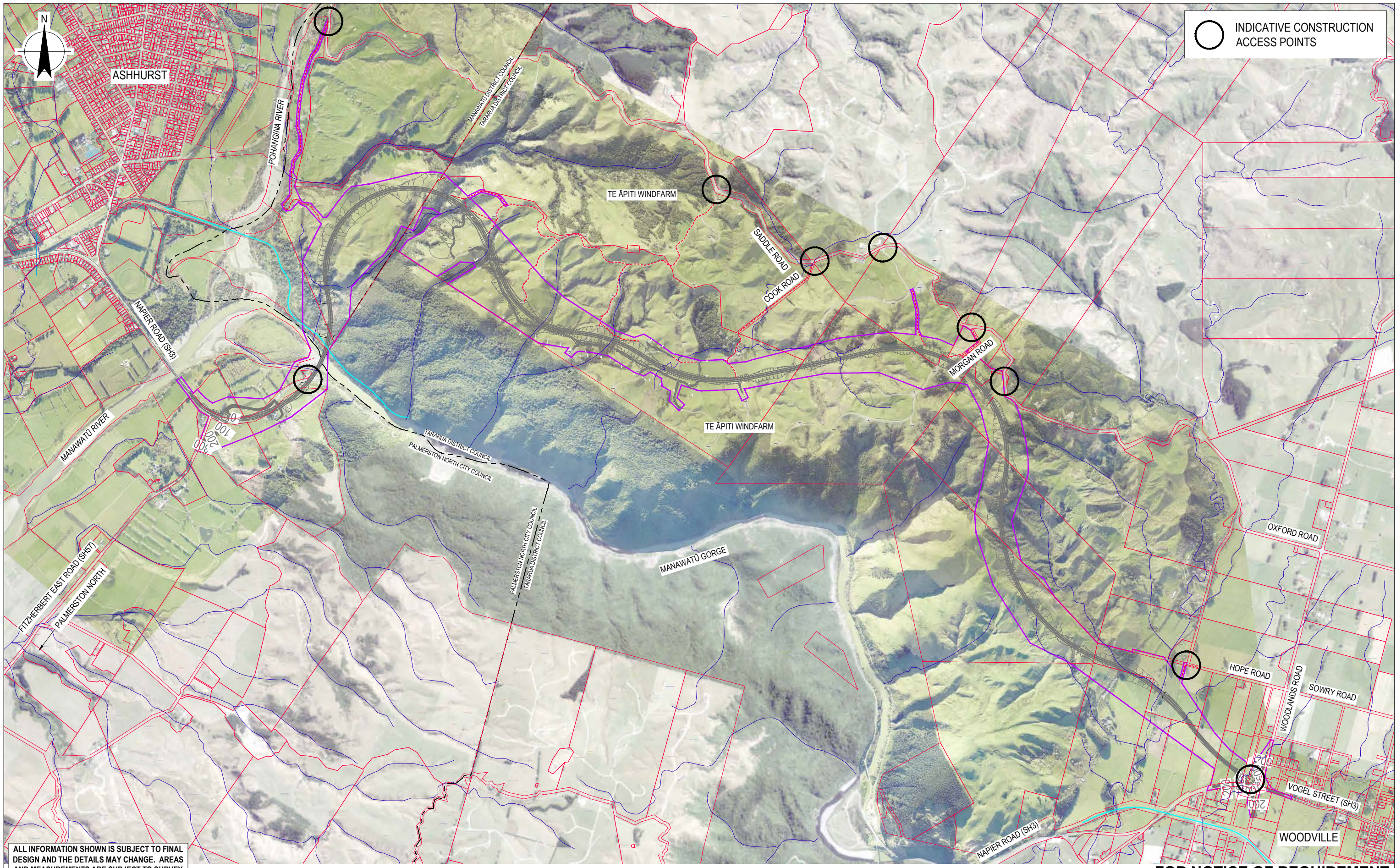


GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

DO NOT SCALE
 GHD Limited
 Conditions of Use.
 This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	1:2000-A1, 1:4000-A3		

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	INDICATIVE ALIGNMENT PLAN - ACCESS TRACK TO SADDLE RD		
	SHEET 10 OF 10		
Original Size	Project Number:	51-38113	Drawing Number: A-10 Rev: A



○ INDICATIVE CONSTRUCTION ACCESS POINTS

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A	FOR SUBMISSION	ST	DD*	AW*	10/18
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved
			Date		




GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

DO NOT SCALE

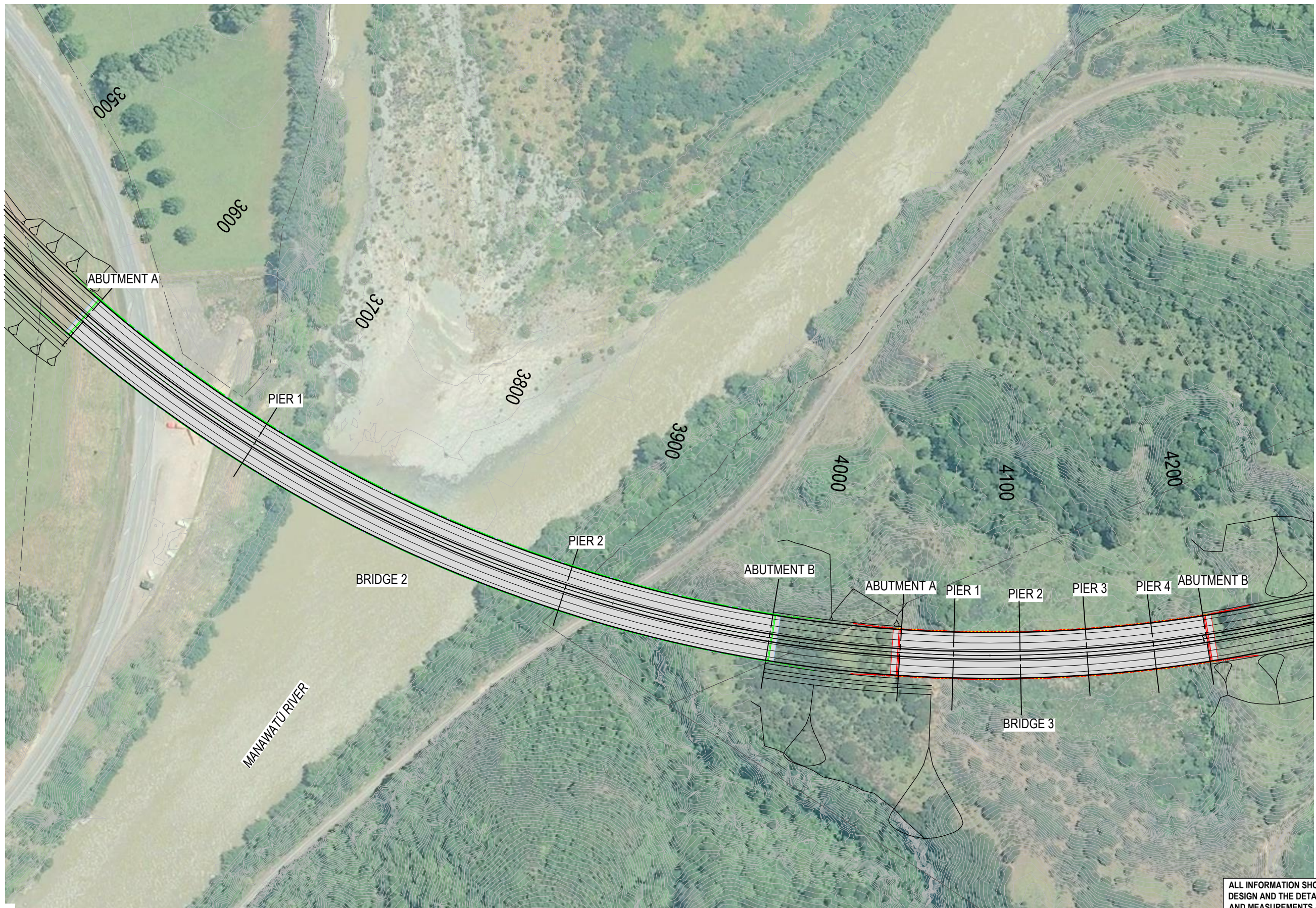
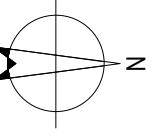
Drawn	S THORNTON	Designed	S THORNTON
Drafting Check	D DUNLOP*	Design Check	D DUNLOP*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	N.T.S.		

This Drawing must not be used for Construction unless signed as Approved

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	INDICATIVE CONSTRUCTION ACCESS - SHEET 1 OF 1		
Original Size	Project Number:	Drawing Number:	Rev:
A1	51-38113	A-11	A



**STRUCTURES
PLANS**



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A	FOR SUBMISSION	WS	PG*	RP*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



DO NOT SCALE	Drawn W SMITH	Designed R PRESLAND
GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	Drafting Check A WEST*	Design Check P GABY*
	Approved R PRESLAND*	
	Date OCTOBER 2018	
	Scale N.T.S.	This Drawing must not be used for Construction unless signed as Approved

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	INDICATIVE MANAWATŪ RIVER BRIDGE PLAN - OPTION A		
Original Size	Project Number:	51-38113	Drawing Number: SP-01 Rev: A

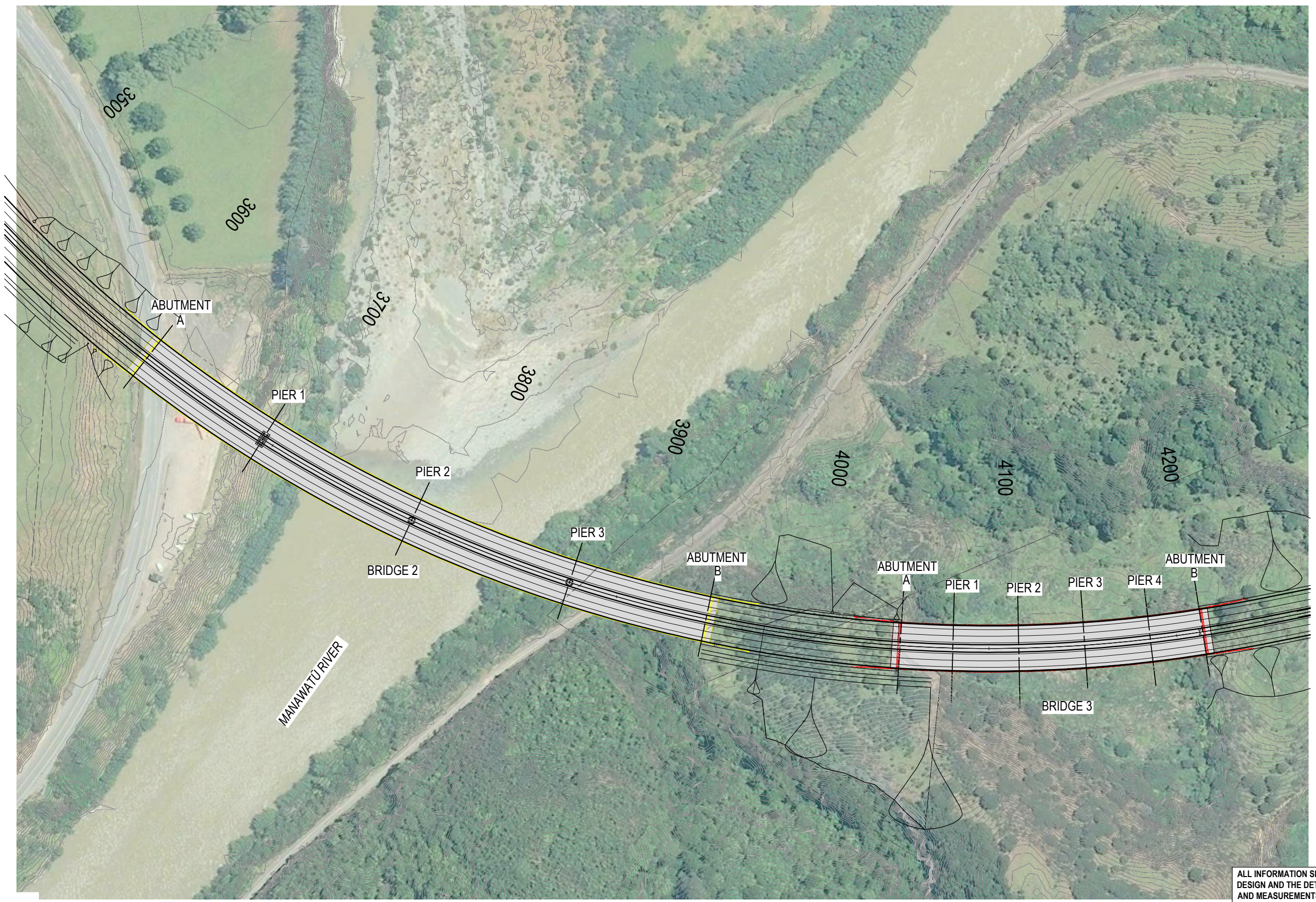
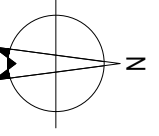


MANAWATŪ RIVER BRIDGE (BRIDGE 2) - OPTION A - NO PIERS IN RIVER

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

							 <p>Level 3, GHD Centre 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand T 64 9 370 8000 F 64 9 370 8001 E auckland@ghd.com W www.ghd.com</p>	DO NOT SCALE		Drawn W SMITH	Designed R PRESLAND	Client NZ TRANSPORT AGENCY Project TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY Title INDICATIVE MANAWATŪ RIVER BRIDGE IMAGES ELEVATION - OPTION A	
A FOR SUBMISSION								WS	PG*	RP*	10/18		Drafting Check A WEST*
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date	Scale N.T.S.		Date OCTOBER 2018		Original Size A1	Project Number: 51-38113	Drawing Number: SP-02 Rev: A



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

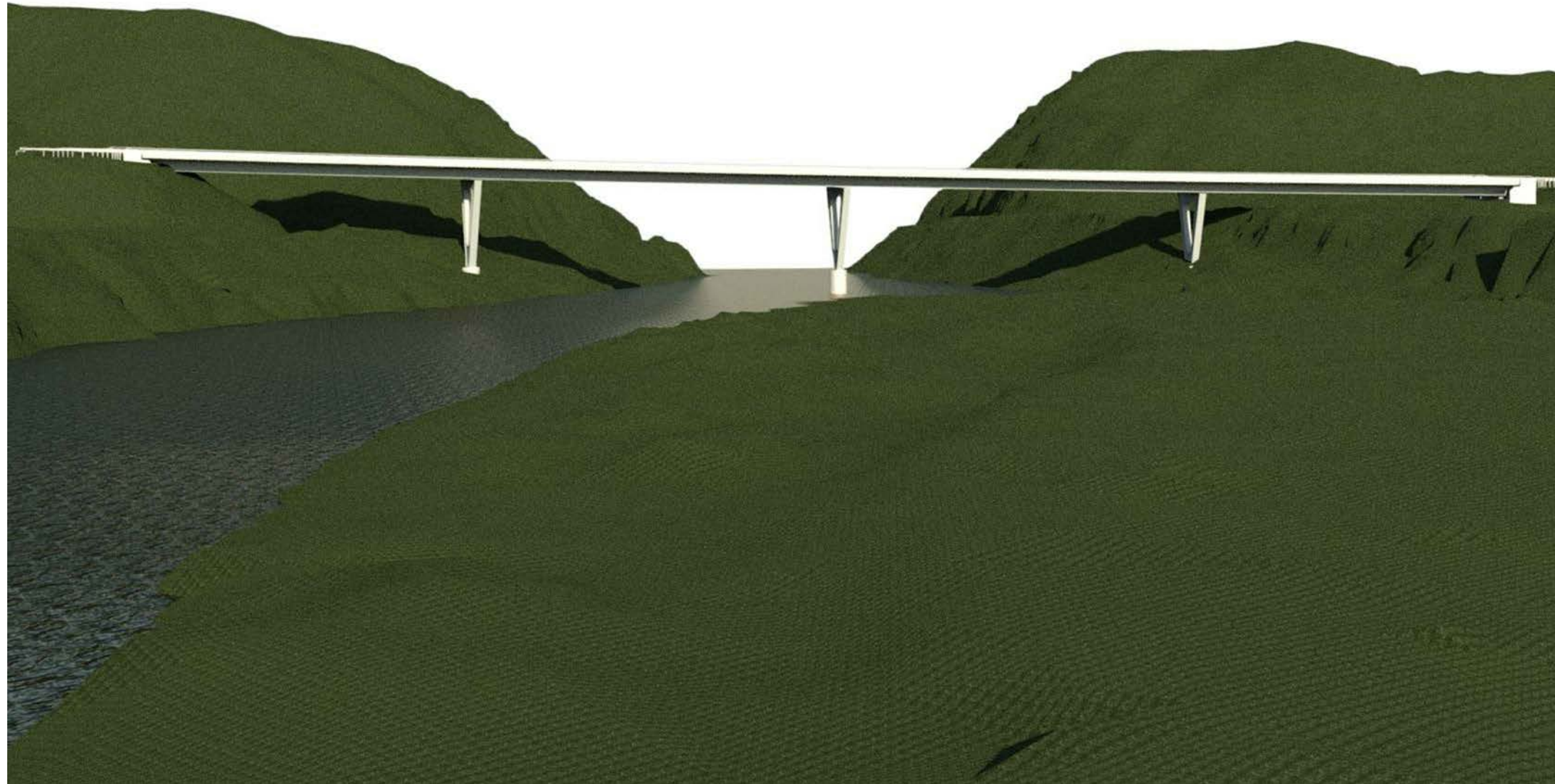
FOR NOTICE OF REQUIREMENT

A	FOR SUBMISSION	WS	PG*	RP*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



DO NOT SCALE	Drawn W SMITH	Designed R PRESLAND
GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	Drafting Check A WEST*	Design Check P GABY*
	Approved R PRESLAND*	
	Date OCTOBER 2018	
Scale N.T.S.	This Drawing must not be used for Construction unless signed as Approved	

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	INDICATIVE MANAWATŪ RIVER BRIDGE PLAN - OPTION B		
Original Size	Project Number:	51-38113	Drawing Number: SP-03 Rev: A



MANAWATŪ RIVER BRIDGE (BRIDGE 2) - OPTION B - LIMITED NUMBERS OF PIERS IN RIVER

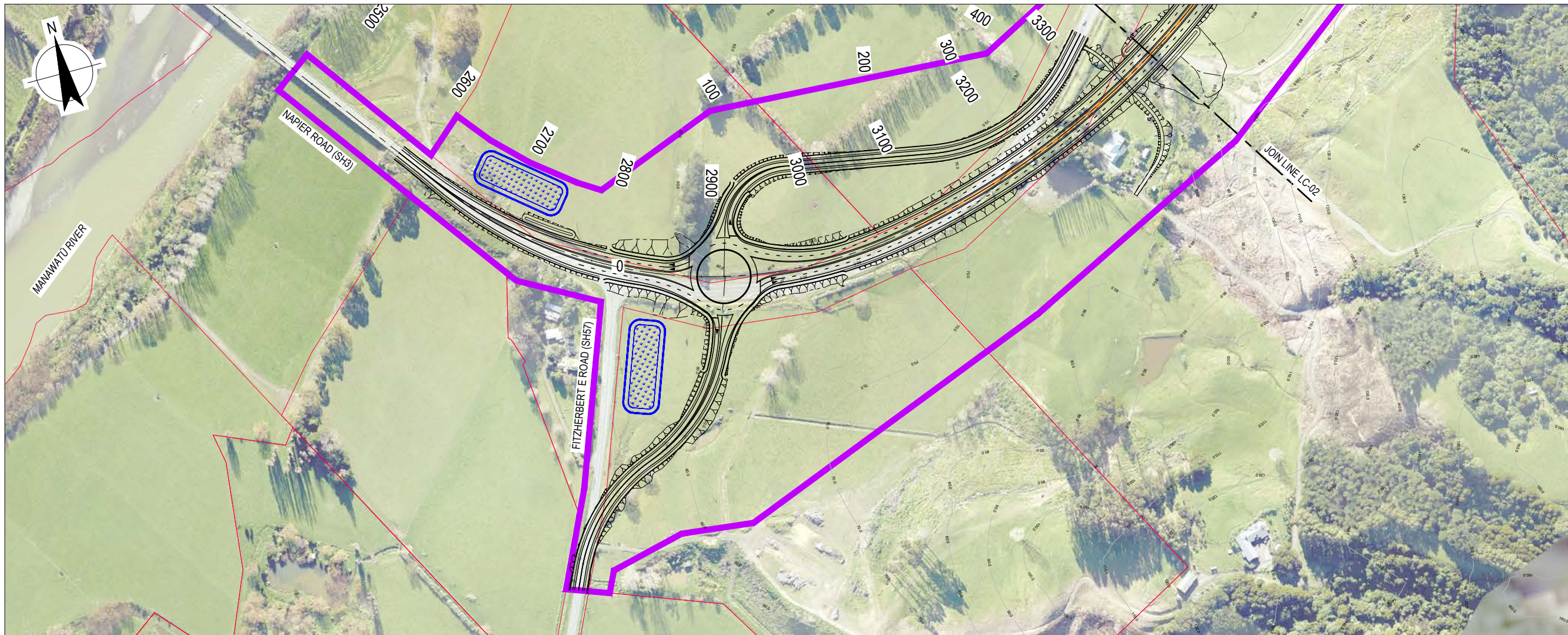
ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

							 <p>Level 3, GHD Centre 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand T 64 9 370 8000 F 64 9 370 8001 E auckland@ghd.com W www.ghd.com</p>	DO NOT SCALE		Drawn W SMITH	Designed R PRESLAND	Client NZ TRANSPORT AGENCY	
								<p>GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.</p>		Drafting Check A WEST*	Design Check P GABY*	Project TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY	
							Approved R PRESLAND*		Date OCTOBER 2018	Title INDICATIVE MANAWATU RIVER BRIDGE IMAGES ELEVATION - OPTION B			
							Scale N.T.S.		This Drawing must not be used for Construction unless signed as Approved		Original Size A1	Project Number: 51-38113	Drawing Number: SP-04 Rev: A
A	FOR SUBMISSION	WS	PG*	RP*	10/18								
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date							

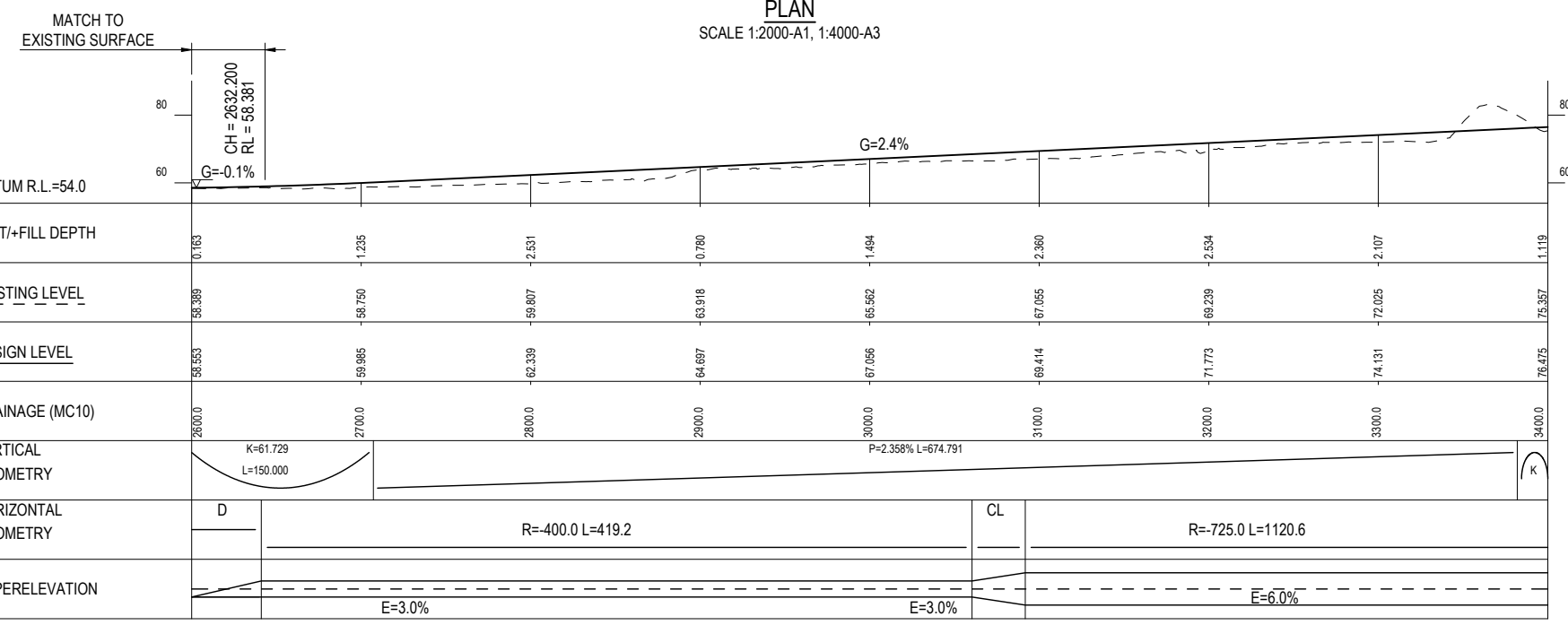


LONGITUDINAL & CROSS SECTIONS



LEGEND

- PROPOSED DESIGNATION
- CONTROL STRING AND CHAINAGE
- FILL SLOPES
- CUT SLOPE
- CUT SLOPE BENCH
- BRIDGE STRUCTURE (INDICATIVE)
- MSE WALL
- PROPERTY BOUNDARY
- CONTOURS (10m INTERVALS)



LONGITUDINAL SECTION - MC10
SCALE 1:2000H-A1, 1:1000V-A1, 1:4000H-A3, 1:2000V-A3

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A	FOR SUBMISSION	WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date

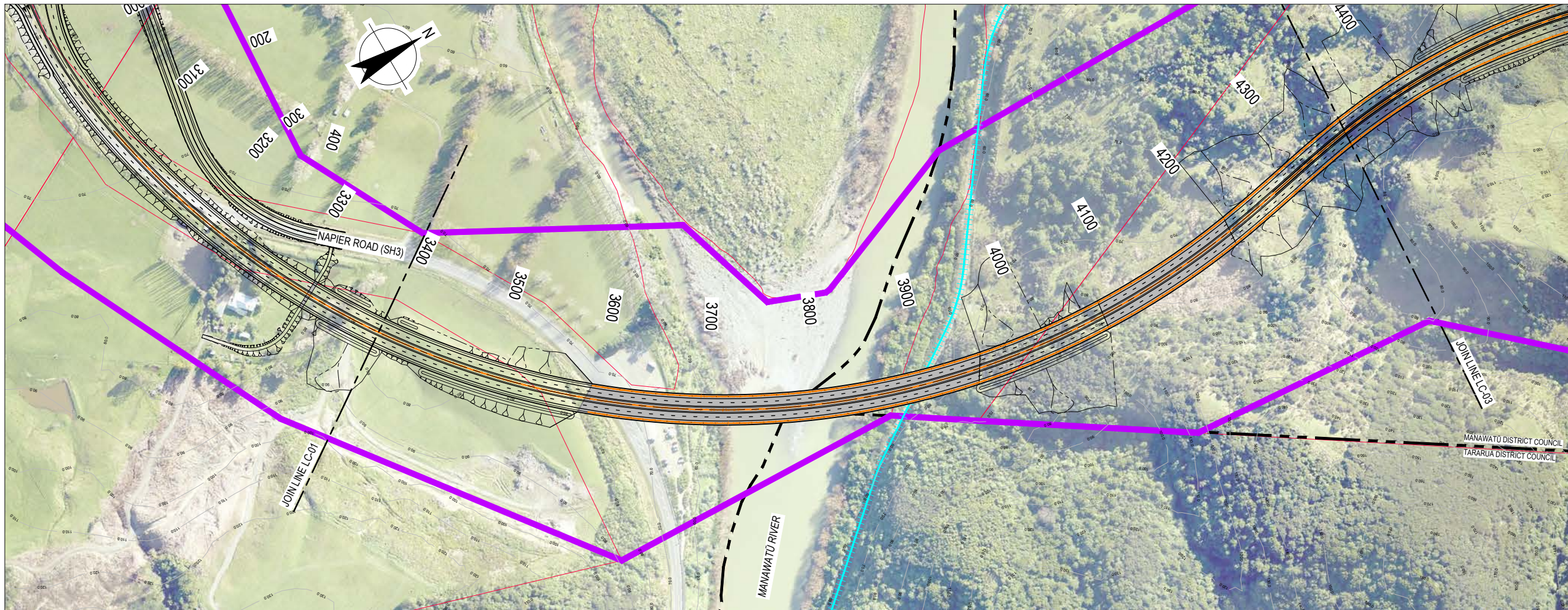


DO NOT SCALE

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	AS SHOWN		

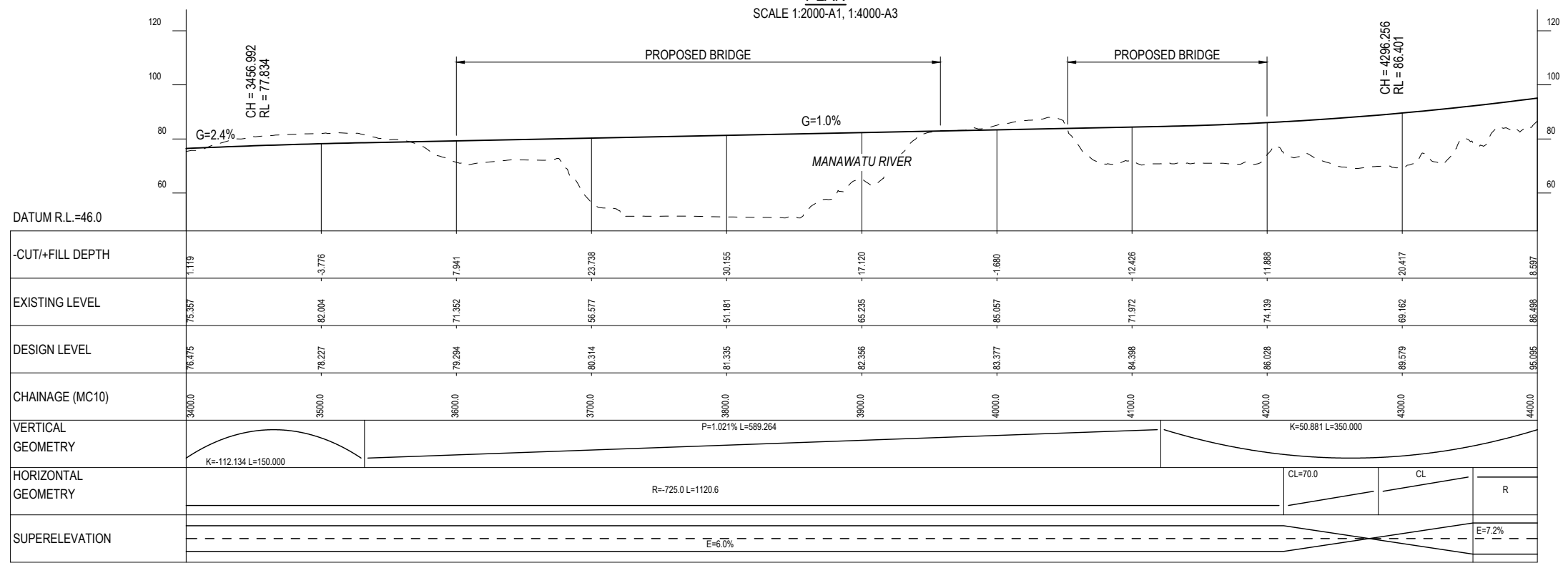
This Drawing must not be used for Construction unless signed as Approved

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	PLAN & LONG SECTION - CH 2600 TO CH 3400		
	SHEET 1 OF 12		
Original Size	Project Number:	51-38113	Drawing Number: LC-01 Rev: A



- LEGEND**
- PROPOSED DESIGNATION
 - CONTROL STRING AND CHAINAGE
 - FILL SLOPES
CUT SLOPE
CUT SLOPE BENCH
 - BRIDGE STRUCTURE (INDICATIVE)
 - MSE WALL
 - PROPERTY BOUNDARY
 - CONTOURS (10m INTERVALS)

PLAN
SCALE 1:2000-A1, 1:4000-A3



LONGITUDINAL SECTION - MC10
SCALE 1:2000H-A1, 1:1000V-A1, 1:4000H-A3, 1:2000V-A3

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
A	FOR SUBMISSION		WS	AW*	AW*	10/18



DO NOT SCALE

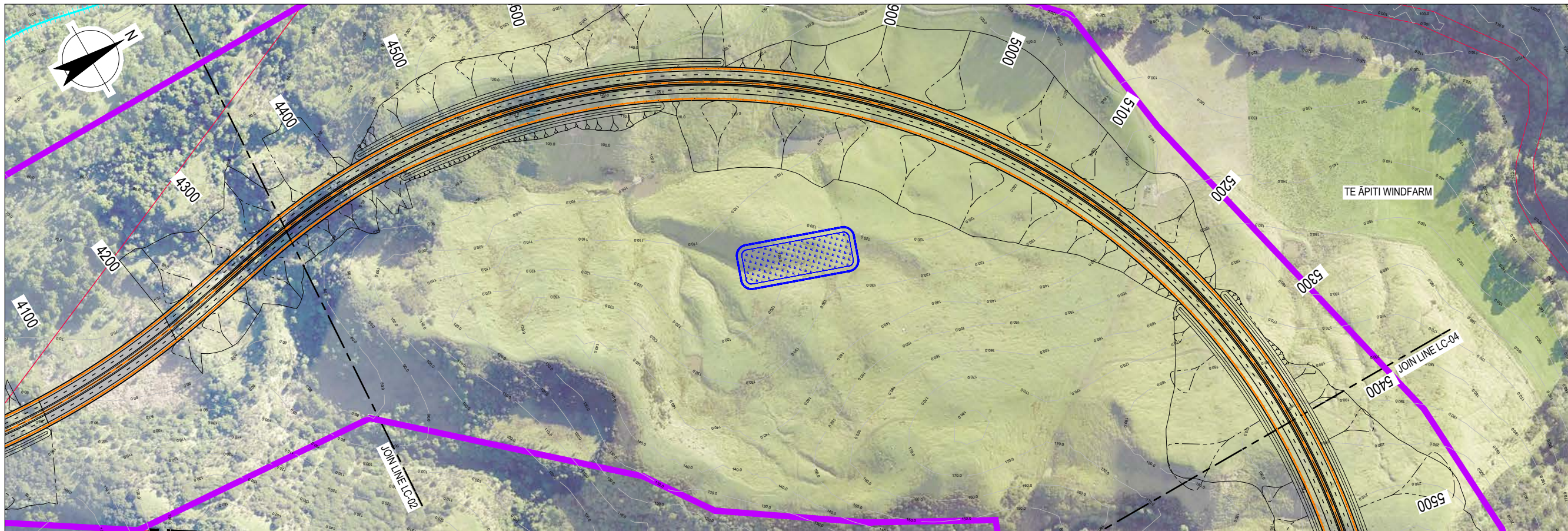
GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn W SMITH
Designed T CRONIN
Drafting Check T CRONIN*
Design Check A WHALEY*
Approved A WHALEY*
Date OCTOBER 2018
Scale AS SHOWN

This Drawing must not be used for Construction unless signed as Approved

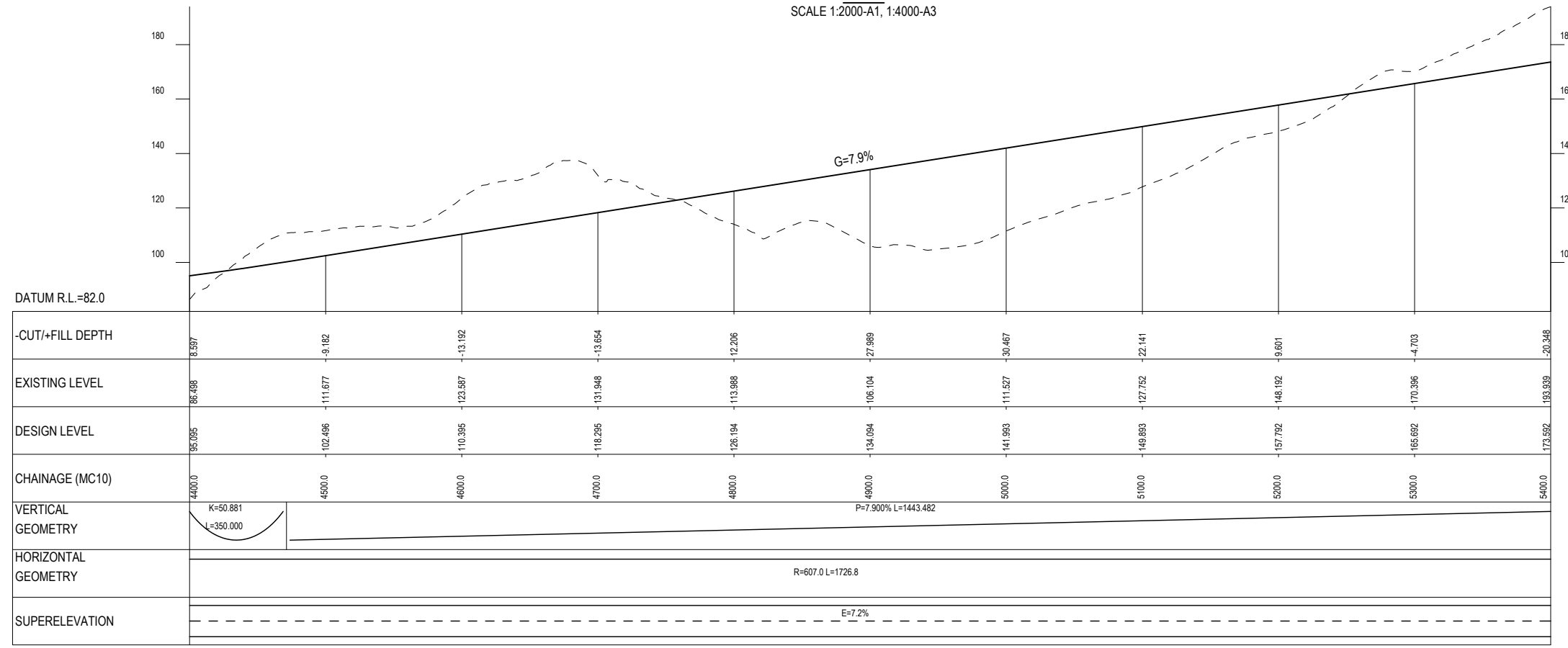
Client **NZ TRANSPORT AGENCY**
Project **TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY**
Title **PLAN & LONG SECTION - CH 3400 TO CH 4400**
SHEET 2 OF 12

Original Size **A1**
Project Number: **51-38113**
Drawing Number: **LC-02**
Rev: **A**



- LEGEND**
- PROPOSED DESIGNATION
 - CONTROL STRING AND CHAINAGE
 - FILL SLOPES
 - CUT SLOPE
 - CUT SLOPE BENCH
 - BRIDGE STRUCTURE (INDICATIVE)
 - MSE WALL
 - PROPERTY BOUNDARY
 - CONTOURS (10m INTERVALS)

PLAN
SCALE 1:2000-A1, 1:4000-A3



LONGITUDINAL SECTION - MC10
SCALE 1:2000H-A1, 1:1000V-A1, 1:4000H-A3, 1:2000V-A3

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

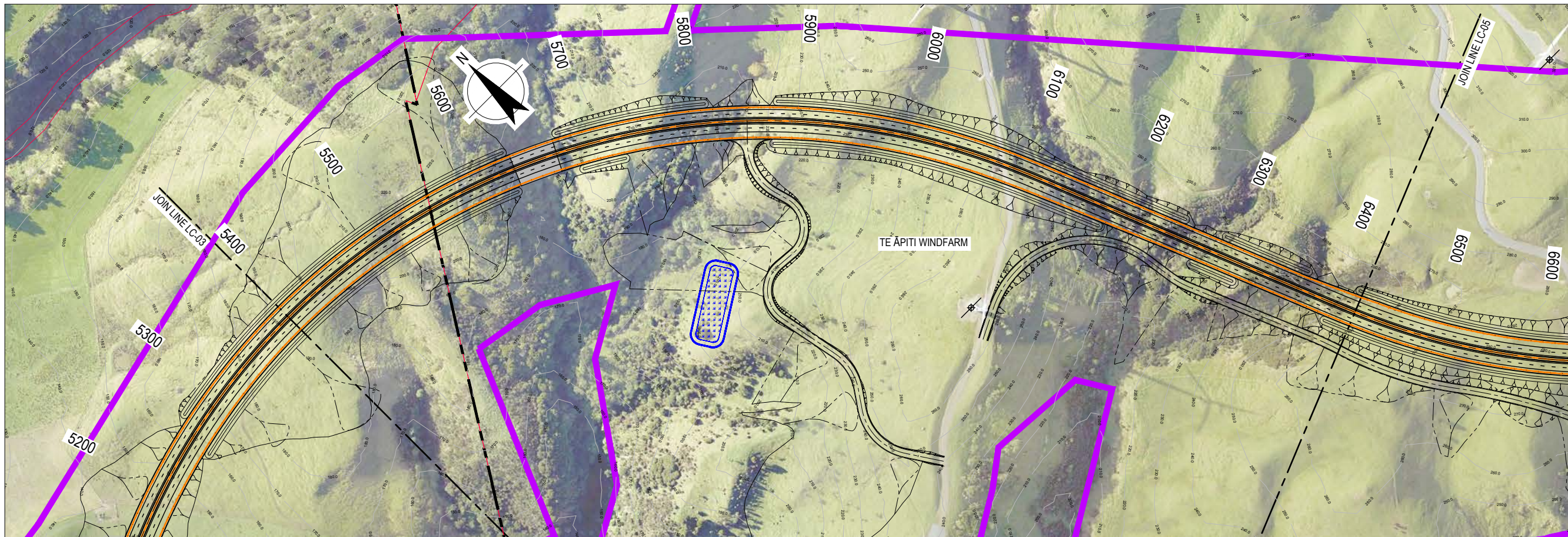
FOR NOTICE OF REQUIREMENT

A	FOR SUBMISSION	WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



DO NOT SCALE	Drawn W SMITH	Designed T CRONIN
GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	Drafting Check T CRONIN*	Design Check A WHALEY*
	Approved A WHALEY*	Date OCTOBER 2018
	Scale AS SHOWN	This Drawing must not be used for Construction unless signed as Approved

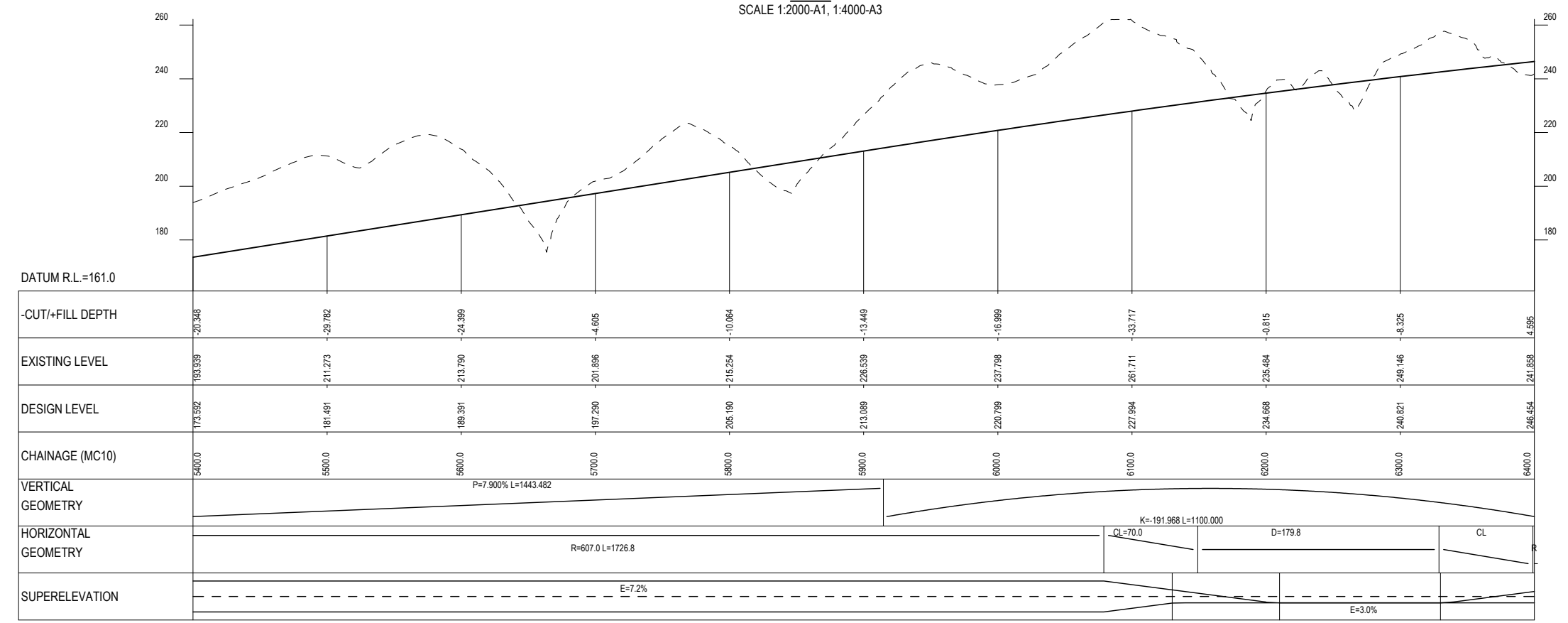
Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	PLAN & LONG SECTION - CH 4400 TO CH 5400		
	SHEET 3 OF 12		
Original Size	Project Number: 51-38113	Drawing Number: LC-03	Rev: A



LEGEND

- PROPOSED DESIGNATION
- CONTROL STRING AND CHAINAGE
- FILL SLOPES
- CUT SLOPE
- CUT SLOPE BENCH
- BRIDGE STRUCTURE (INDICATIVE)
- MSE WALL
- PROPERTY BOUNDARY
- CONTOURS (10m INTERVALS)

PLAN
SCALE 1:2000-A1, 1:4000-A3



LONGITUDINAL SECTION - MC10
SCALE 1:2000H-A1, 1:1000V-A1, 1:4000H-A3, 1:2000V-A3

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

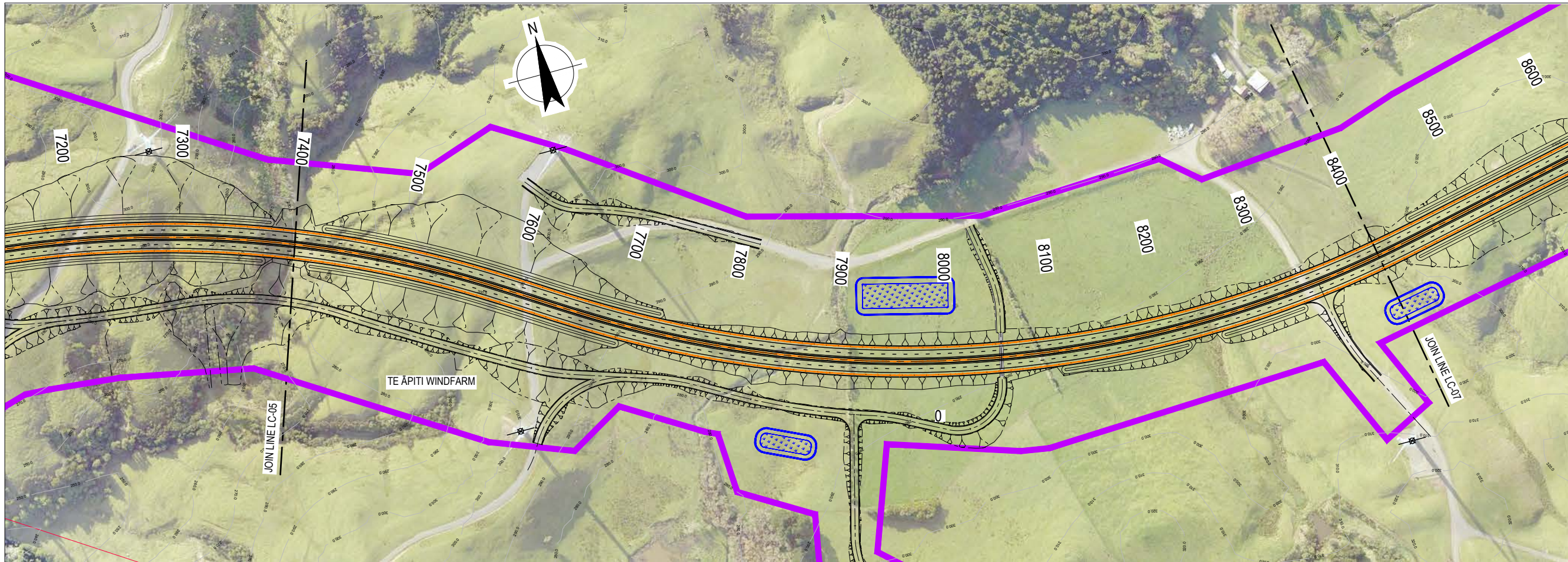
A	FOR SUBMISSION	WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



DO NOT SCALE

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*	Date	OCTOBER 2018
Scale	AS SHOWN	This Drawing must not be used for Construction unless signed as Approved	

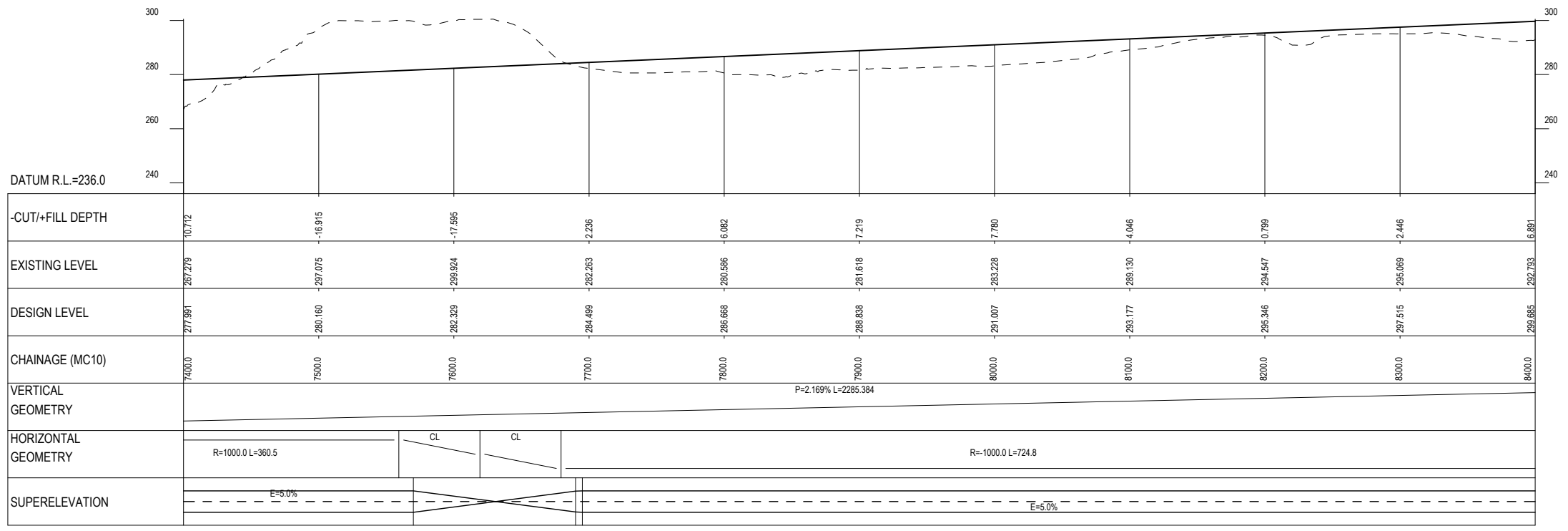
Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	PLAN & LONG SECTION - CH 5400 TO CH 6400		
Original Size	A1	Project Number:	51-38113
		Drawing Number:	LC-04
		Rev:	A



LEGEND

- PROPOSED DESIGNATION
- CONTROL STRING AND CHAINAGE
- FILL SLOPES
- CUT SLOPE
- CUT SLOPE BENCH
- BRIDGE STRUCTURE (INDICATIVE)
- MSE WALL
- PROPERTY BOUNDARY
- CONTOURS (10m INTERVALS)

PLAN
SCALE 1:2000-A1, 1:4000-A3



LONGITUDINAL SECTION - MC10
SCALE 1:2000H-A1, 1:1000V-A1, 1:4000H-A3, 1:2000V-A3

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A	FOR SUBMISSION	WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date

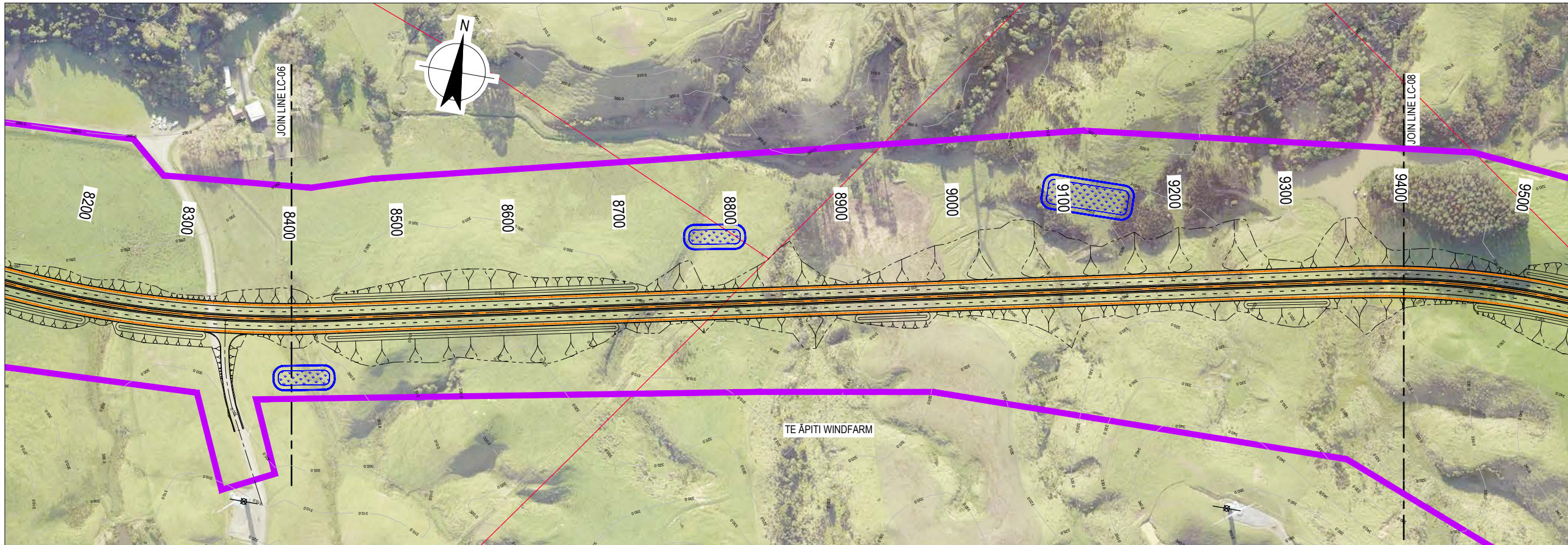


DO NOT SCALE

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	AS SHOWN		

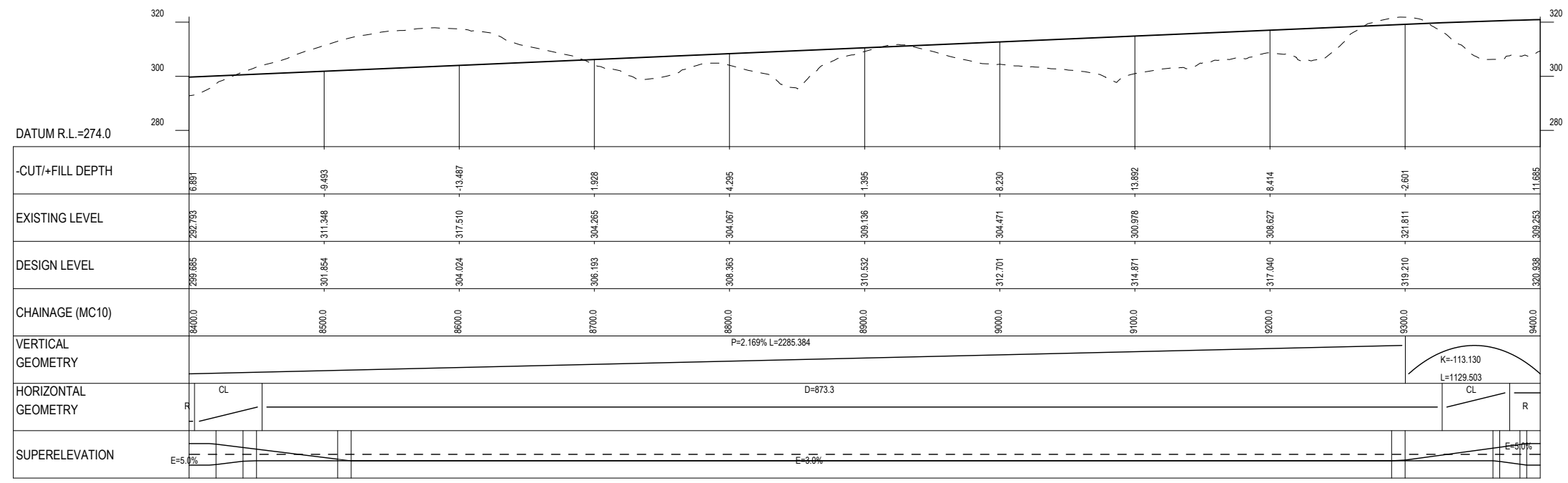
This Drawing must not be used for Construction unless signed as Approved

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	PLAN & LONG SECTION - CH 7400 TO CH 8400		
Original Size	Project Number:	51-38113	Drawing Number: LC-06 Rev: A



- LEGEND**
- PROPOSED DESIGNATION
 - CONTROL STRING AND CHAINAGE
 - FILL SLOPES
CUT SLOPE
CUT SLOPE BENCH
 - BRIDGE STRUCTURE (INDICATIVE)
 - MSE WALL
 - PROPERTY BOUNDARY
 - CONTOURS (10m INTERVALS)

PLAN
SCALE 1:2000-A1, 1:4000-A3



LONGITUDINAL SECTION - MC10
SCALE 1:2000H-A1, 1:1000V-A1, 1:4000H-A3, 1:2000V-A3

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

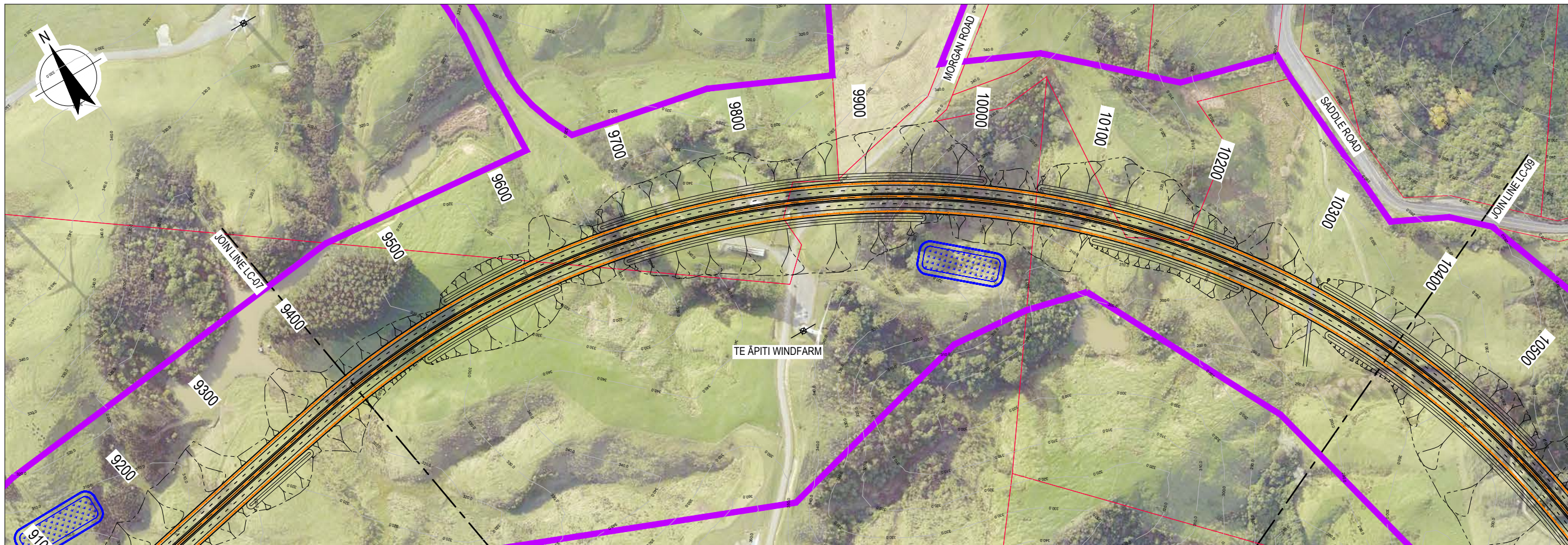
FOR NOTICE OF REQUIREMENT

A	FOR SUBMISSION	WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



DO NOT SCALE	Drawn W SMITH	Designed T CRONIN
GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	Drafting Check T CRONIN*	Design Check A WHALEY*
	Approved A WHALEY*	Date OCTOBER 2018
	Scale AS SHOWN	This Drawing must not be used for Construction unless signed as Approved

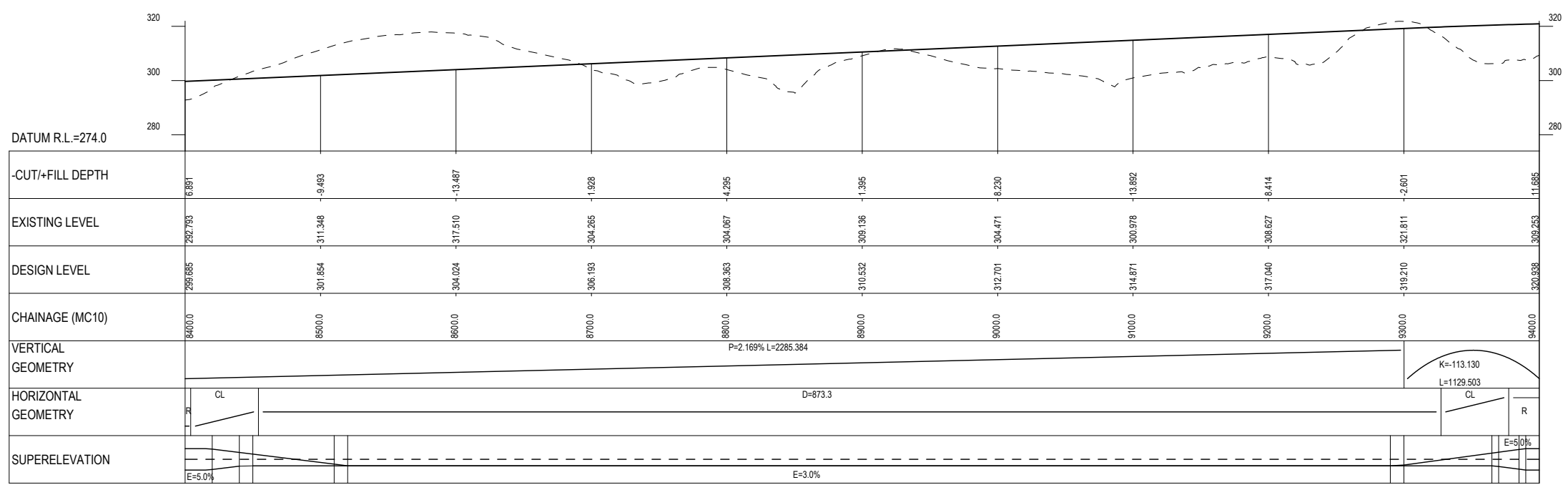
Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	PLAN & LONG SECTION - CH 8400 TO CH 9400		
	SHEET 7 OF 12		
Original Size	Project Number: 51-38113	Drawing Number: LC-07	Rev: A



LEGEND

- PROPOSED DESIGNATION
- CONTROL STRING AND CHAINAGE
- FILL SLOPES
- CUT SLOPE
- CUT SLOPE BENCH
- BRIDGE STRUCTURE (INDICATIVE)
- MSE WALL
- PROPERTY BOUNDARY
- CONTOURS (10m INTERVALS)

PLAN
SCALE 1:2000-A1, 1:4000-A3



LONGITUDINAL SECTION - MC10
SCALE 1:2000H-A1, 1:1000V-A1, 1:4000H-A3, 1:2000V-A3

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
A	FOR SUBMISSION		WS	AW*	AW*	10/18



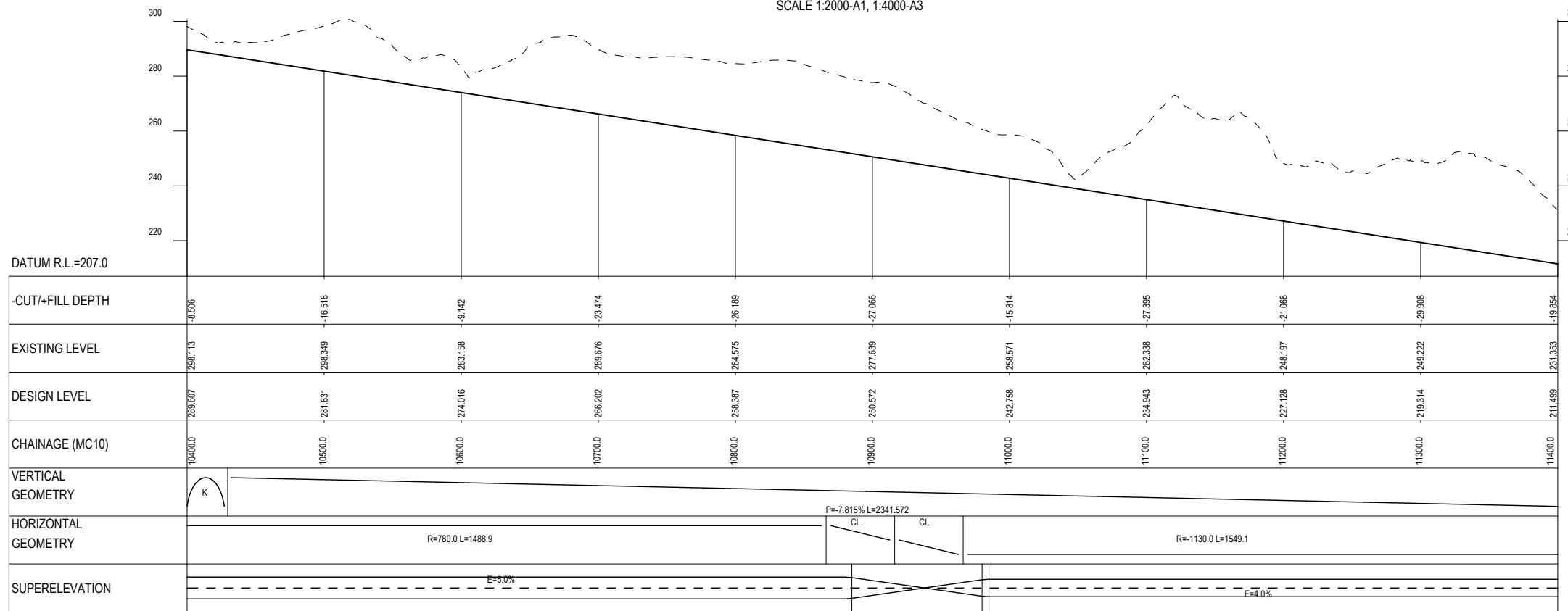
DO NOT SCALE

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*	Date	OCTOBER 2018
Scale	AS SHOWN	This Drawing must not be used for Construction unless signed as Approved	

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	PLAN & LONG SECTION - CH 9400 TO CH 10400		
Original Size	A1	Project Number:	51-38113
Drawing Number:	LC-08	Rev:	A



PLAN
SCALE 1:2000-A1, 1:4000-A3



LONGITUDINAL SECTION - MC10
SCALE 1:2000H-A1, 1:1000V-A1, 1:4000H-A3, 1:2000V-A3

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

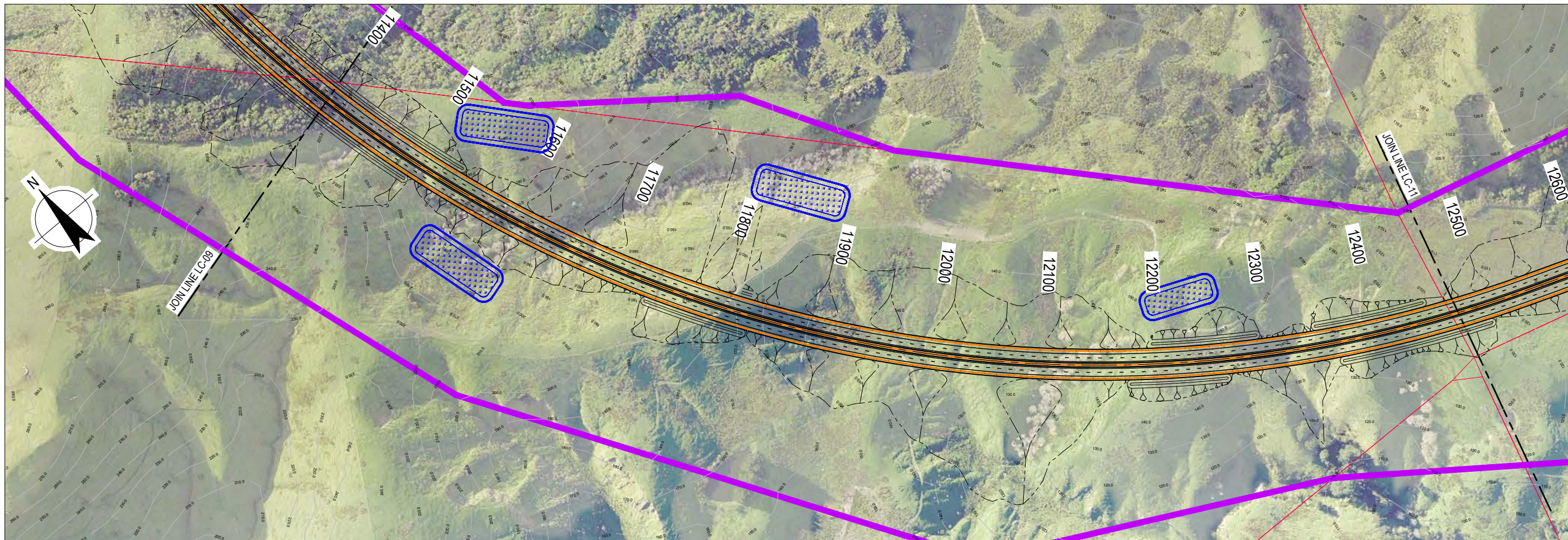
FOR NOTICE OF REQUIREMENT

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
A	FOR SUBMISSION		WS	AW*	AW*	10/18



DO NOT SCALE	Drawn W SMITH	Designed T CRONIN
GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	Drafting Check T CRONIN*	Design Check A WHALEY*
	Approved A WHALEY*	Date OCTOBER 2018
	Scale AS SHOWN	This Drawing must not be used for Construction unless signed as Approved

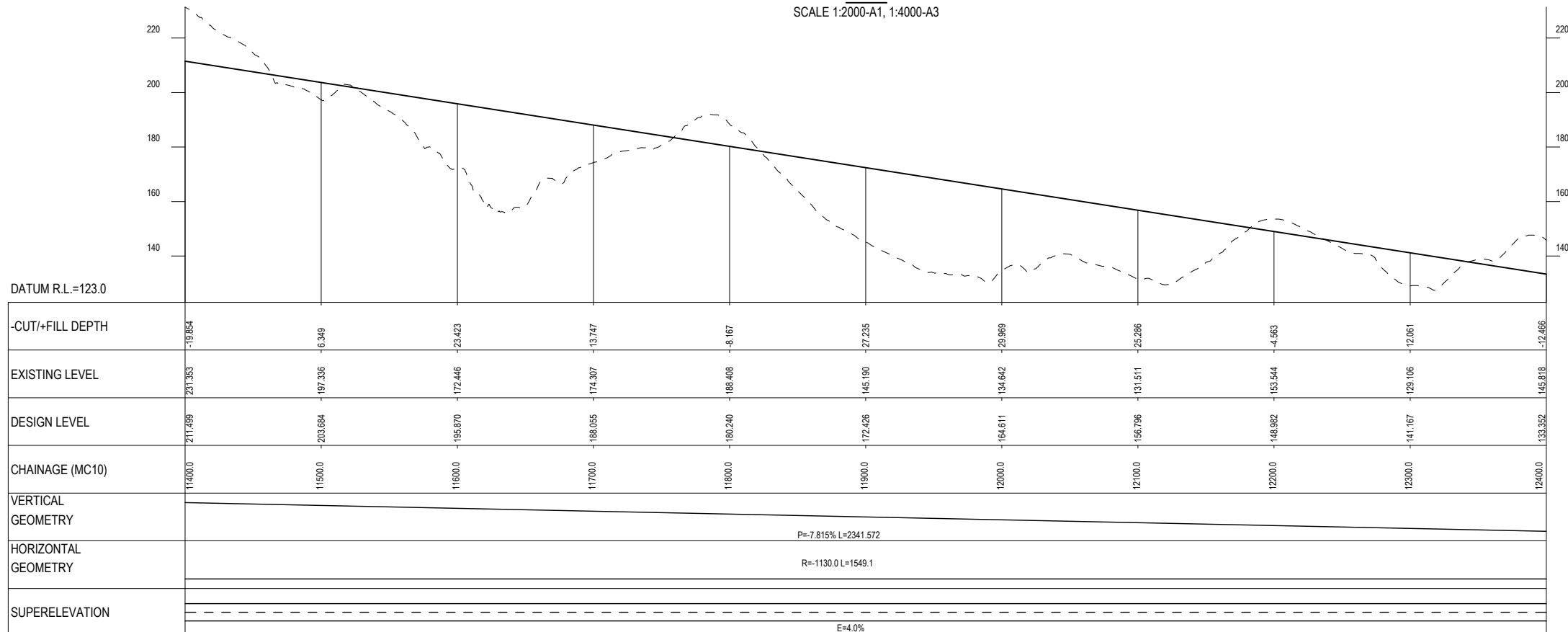
Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	PLAN & LONG SECTION - CH 10400 TO CH 11400		
	SHEET 9 OF 12		
Original Size	Project Number: 51-38113	Drawing Number: LC-09	Rev: A



LEGEND

- PROPOSED DESIGNATION
- CONTROL STRING AND CHAINAGE
- FILL SLOPES
CUT SLOPE
CUT SLOPE BENCH
- BRIDGE STRUCTURE (INDICATIVE)
- MSE WALL
- PROPERTY BOUNDARY
- CONTOURS (10m INTERVALS)

PLAN
SCALE 1:2000-A1, 1:4000-A3



LONGITUDINAL SECTION - MC10
SCALE 1:2000H-A1, 1:1000V-A1, 1:4000-A3, 1:2000-A3

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A FOR SUBMISSION					WS	AW*	AW*	10/18
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date		



GHD
Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE

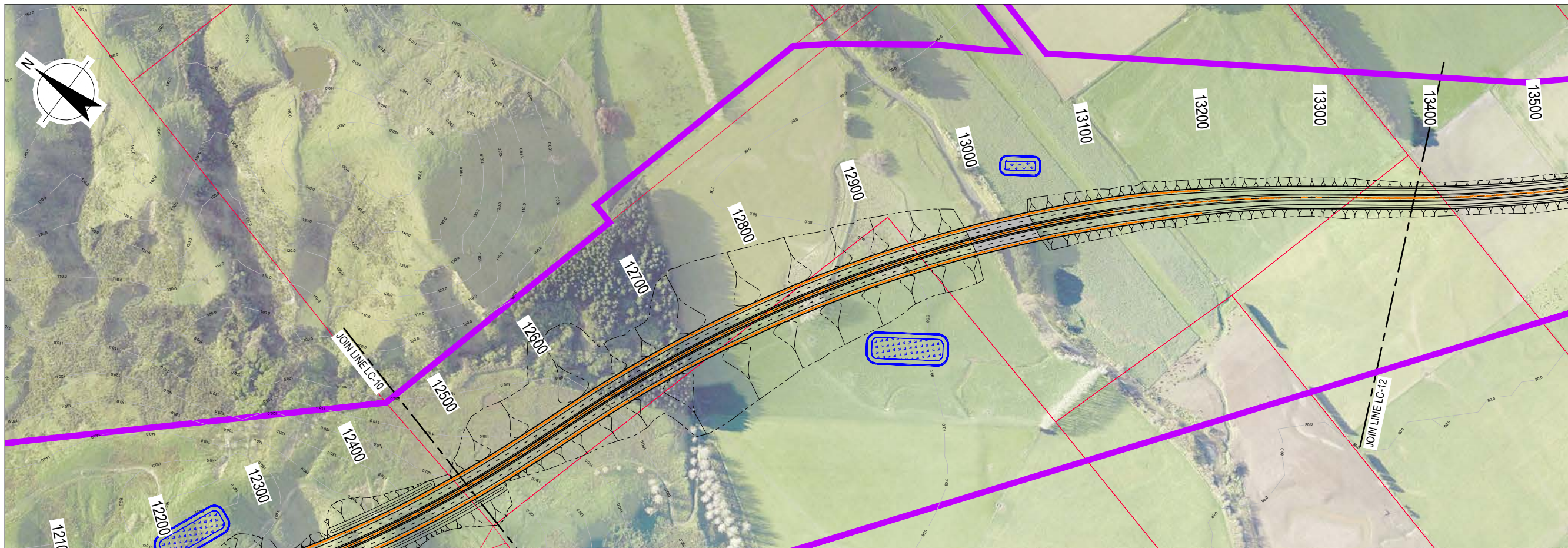
GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn W SMITH
Designed T CRONIN
Drafting Check T CRONIN*
Design Check A WHALEY*
Approved A WHALEY*
Date OCTOBER 2018
Scale AS SHOWN

This Drawing must not be used for Construction unless signed as Approved

Client **NZ TRANSPORT AGENCY**
Project **TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY**
Title **PLAN & LONG SECTION - CH 11400 TO CH 12400**
SHEET 10 OF 12

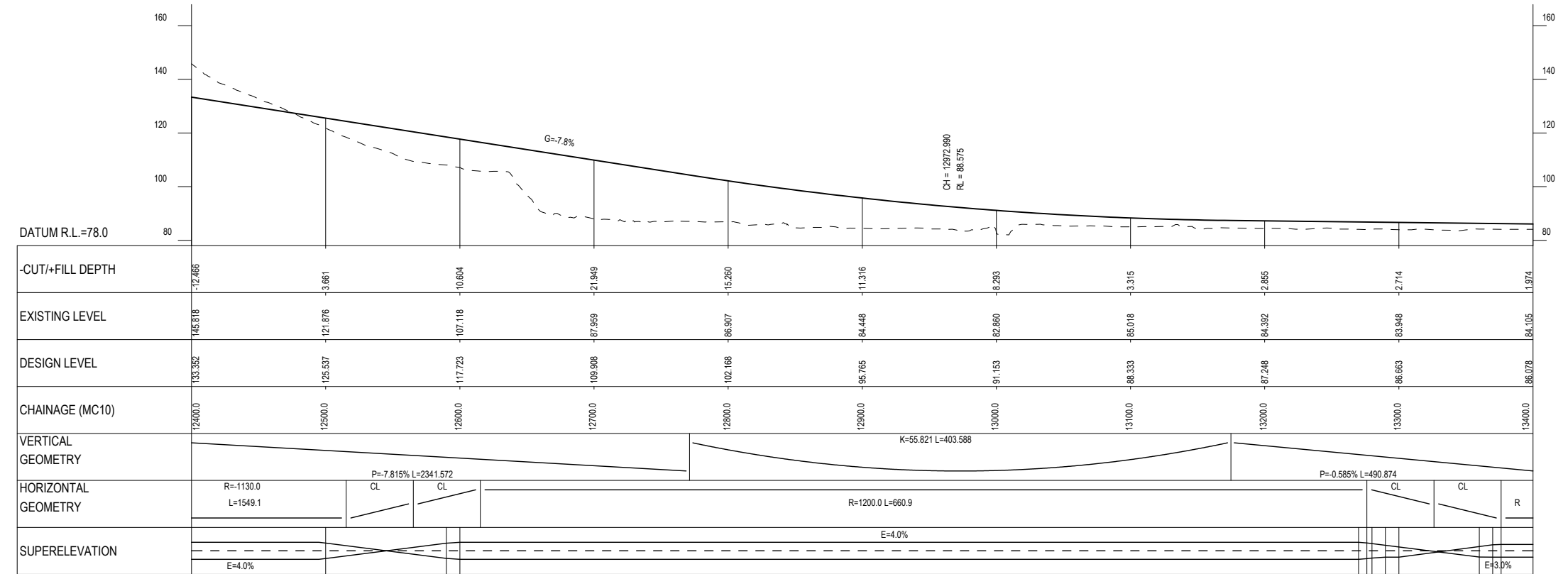
Original Size **A1**
Project Number: **51-38113**
Drawing Number: **LC-10** Rev: **A**



LEGEND

- PROPOSED DESIGNATION
- CONTROL STRING AND CHAINAGE
- FILL SLOPES
- CUT SLOPE
CUT SLOPE BENCH
- BRIDGE STRUCTURE (INDICATIVE)
- MSE WALL
- PROPERTY BOUNDARY
- CONTOURS (10m INTERVALS)

PLAN
SCALE 1:2000-A1, 1:4000-A3



LONGITUDINAL SECTION - MC10
SCALE 1:2000H-A1, 1:1000V-A1, 1:4000H-A3, 1:2000V-A3

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
A	FOR SUBMISSION		WS	AW*	AW*	10/18

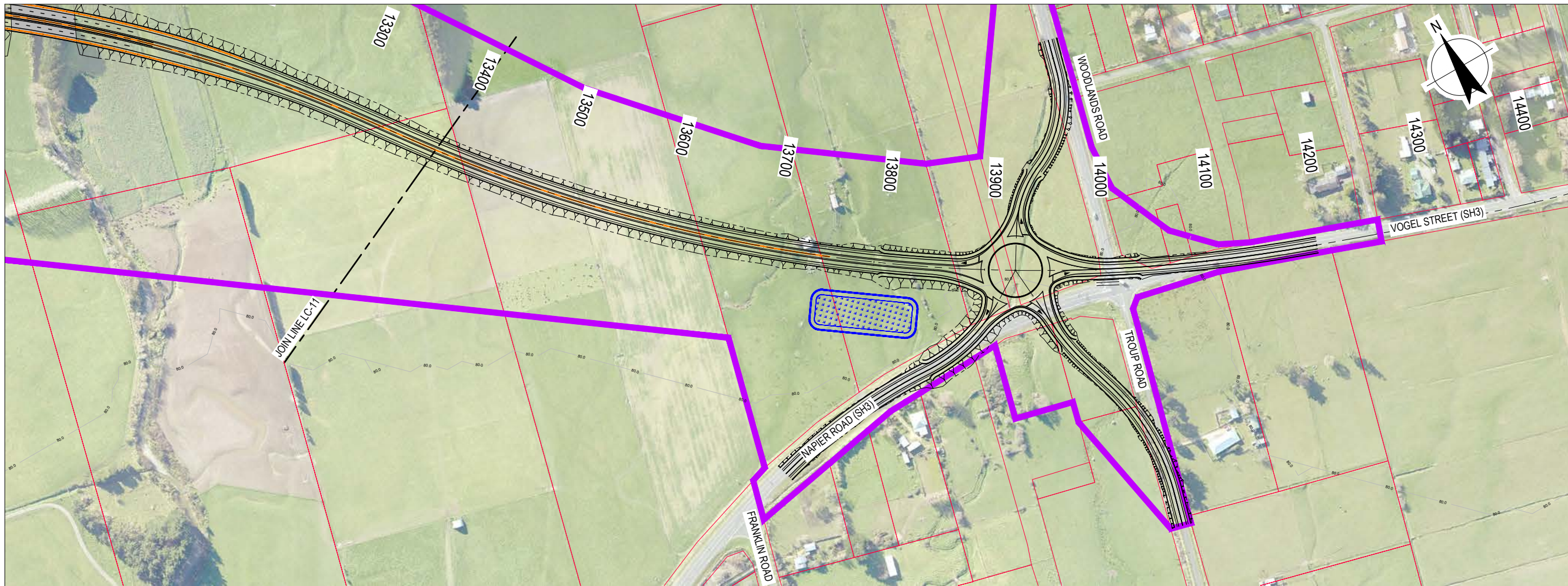


DO NOT SCALE

Drawn	W SMITH	Designed	T CRONIN
Drafting Check	T CRONIN*	Design Check	A WHALEY*
Approved	A WHALEY*		
Date	OCTOBER 2018		
Scale	AS SHOWN		

This Drawing must not be used for Construction unless signed as Approved

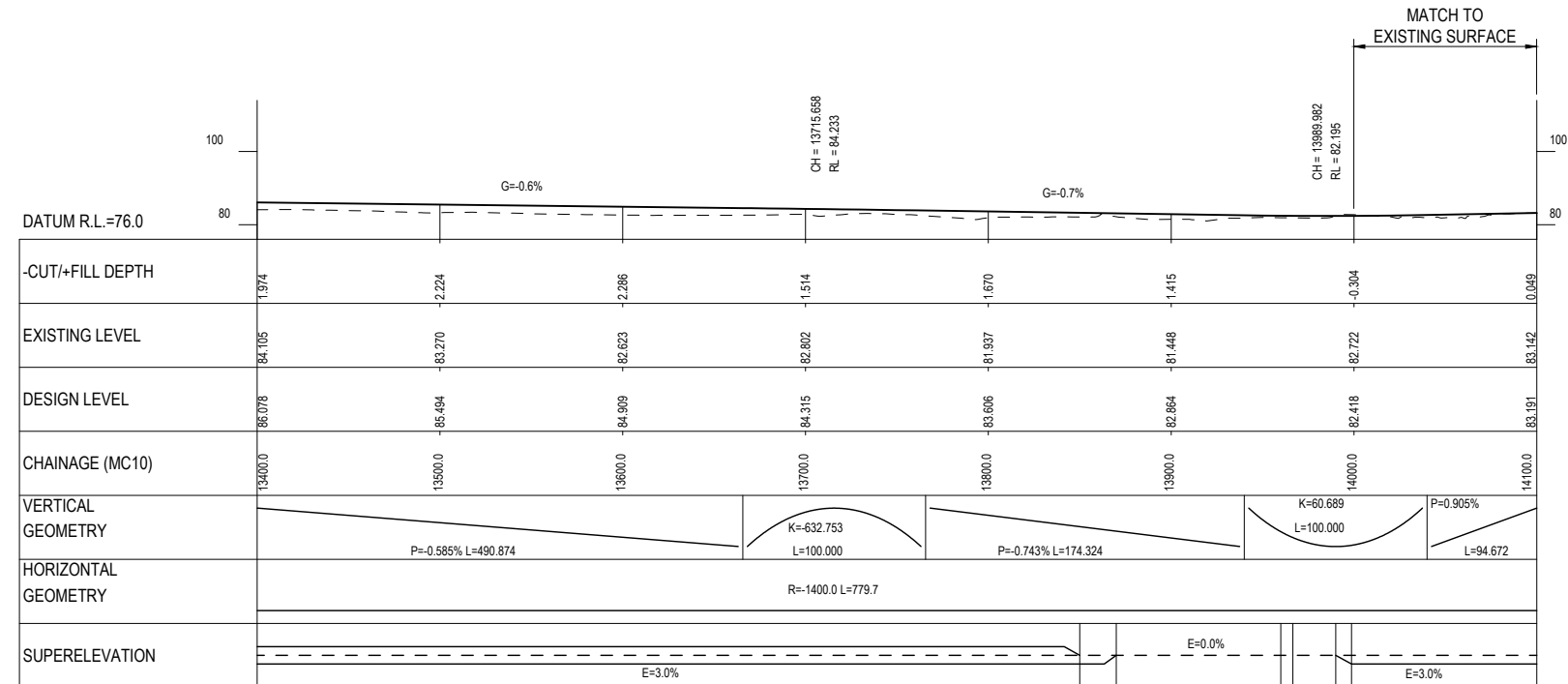
Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	PLAN & LONG SECTION - CH 12400 TO CH 13400		
Original Size	A1	Project Number:	51-38113
		Drawing Number:	LC-11
		Rev:	A



LEGEND

- PROPOSED DESIGNATION
- CONTROL STRING AND CHAINAGE
- FILL SLOPES
- CUT SLOPE
- CUT SLOPE BENCH
- BRIDGE STRUCTURE (INDICATIVE)
- MSE WALL
- PROPERTY BOUNDARY
- CONTOURS (10m INTERVALS)

PLAN
SCALE 1:2000-A1, 1:4000-A3



LONGITUDINAL SECTION - MC10
SCALE 1:2000H-A1, 1:1000V-A1, 1:4000H-A3, 1:2000V-A3

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

No	Revision	Note	Drawn	Checked	Approved	Date
A	FOR SUBMISSION		WS	AW*	AW*	10/18



GHD
Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

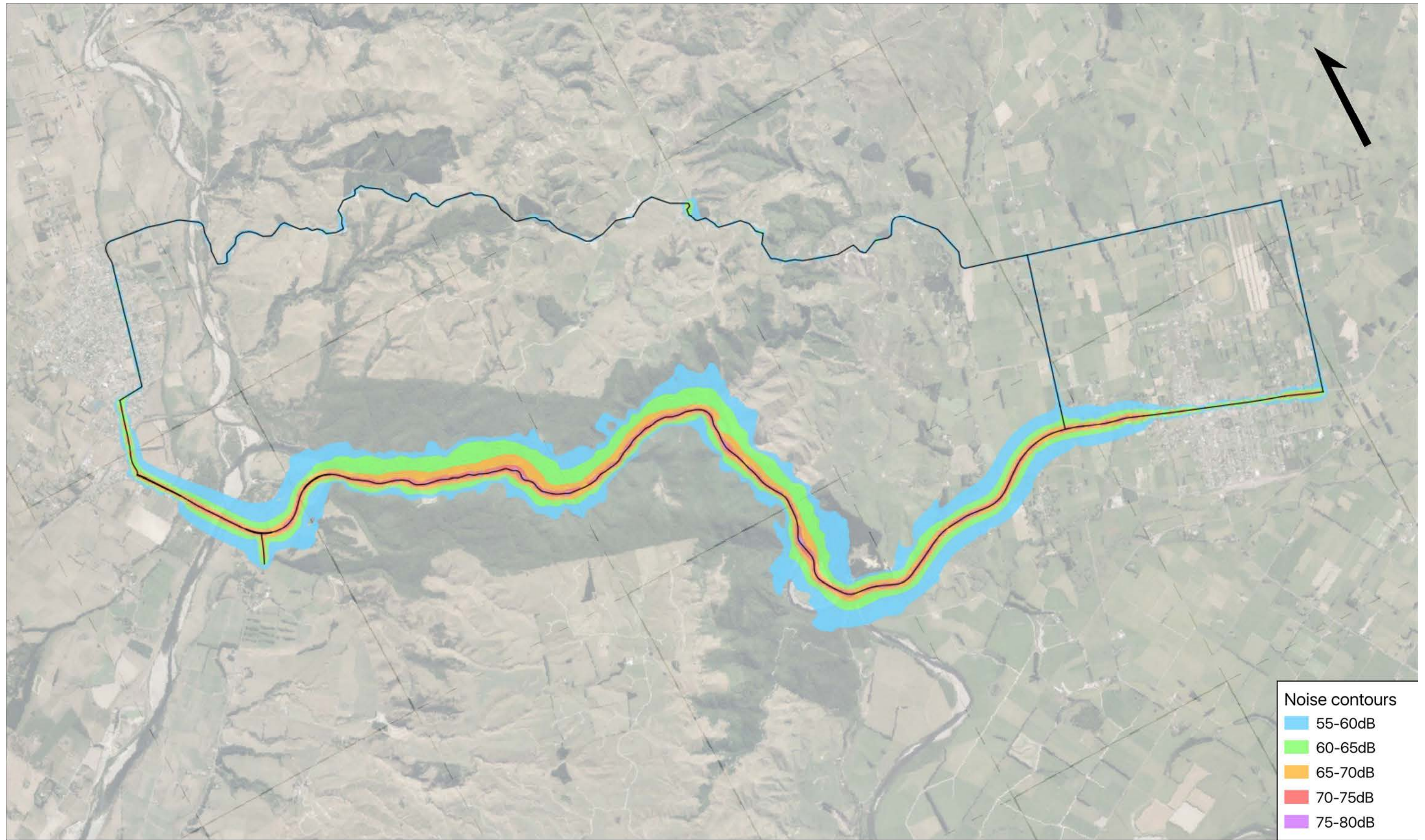
Drawn W SMITH
Designed T CRONIN
Drafting Check T CRONIN*
Design Check A WHALEY*
Approved A WHALEY*
Date OCTOBER 2018
Scale AS SHOWN

Client **NZ TRANSPORT AGENCY**
Project **TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY**
Title **PLAN & LONG SECTION - CH 13400 TO CH 14100**
SHEET 12 OF 12

Original Size **A1**
Project Number: **51-38113**
Drawing Number: **LC-12** Rev: **A**



NOISE PLANS



Noise contours

- 55-60dB
- 60-65dB
- 65-70dB
- 70-75dB
- 75-80dB

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A FOR SUBMISSION		WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



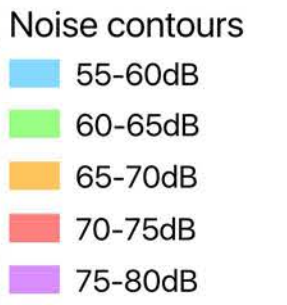
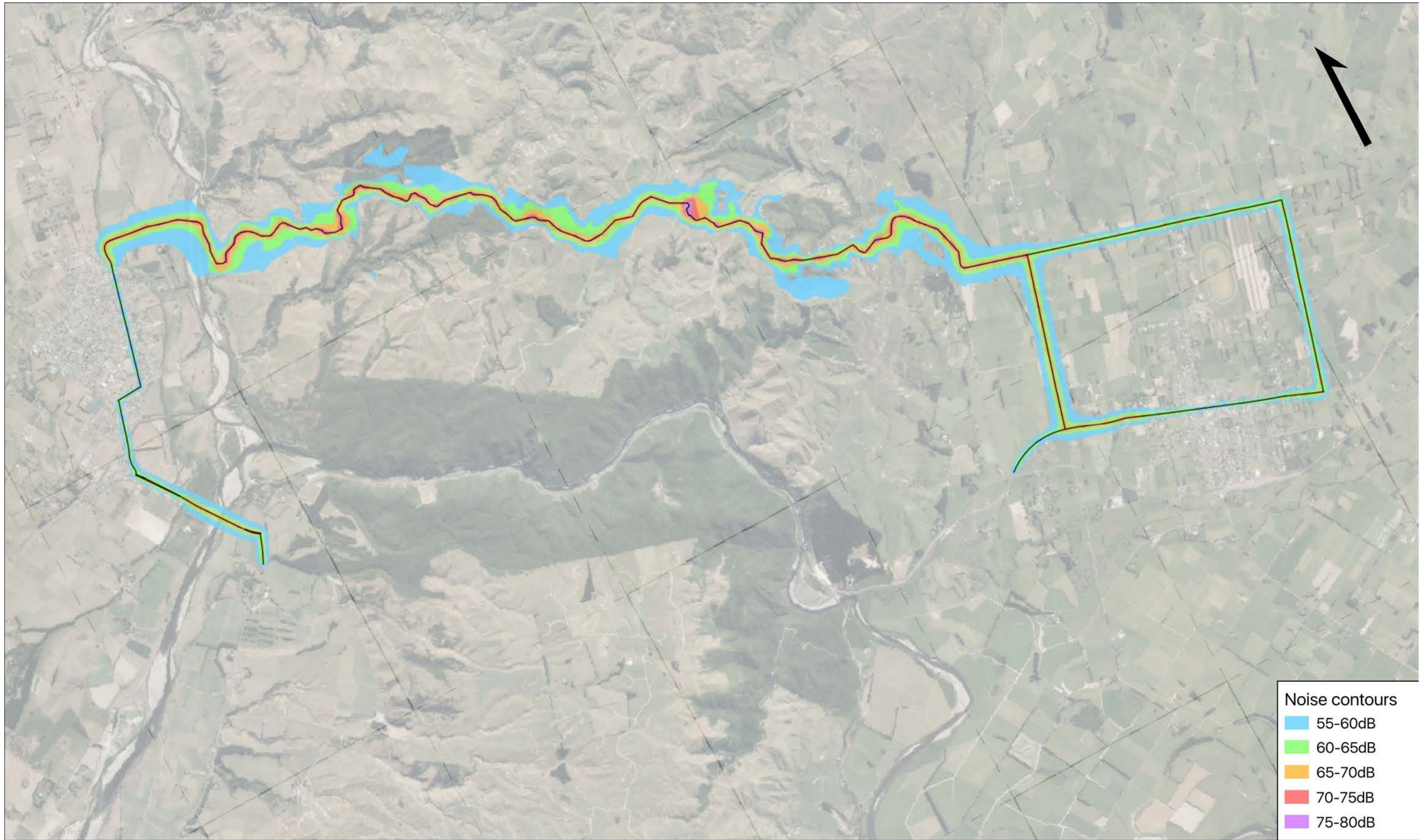
Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	J BULL	Designed	J BULL
Drafting Check	J BULL*	Design Check	S CHILES*
Approved	S CHILES*		
Date	OCTOBER 2018		
Scale	N.T.S.		

Client	NZ TRANSPORT AGENCY					
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY					
Title	NOISE PLAN					
	PRE-EXISTING SCENARIO OVERVIEW (2016)					
Original Size	Project Number:	51-38113	Drawing Number:	N-01	Rev:	A



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A FOR SUBMISSION		WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



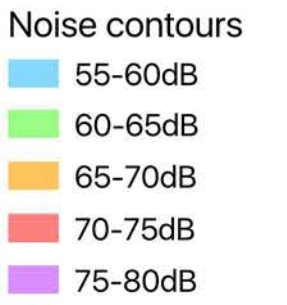
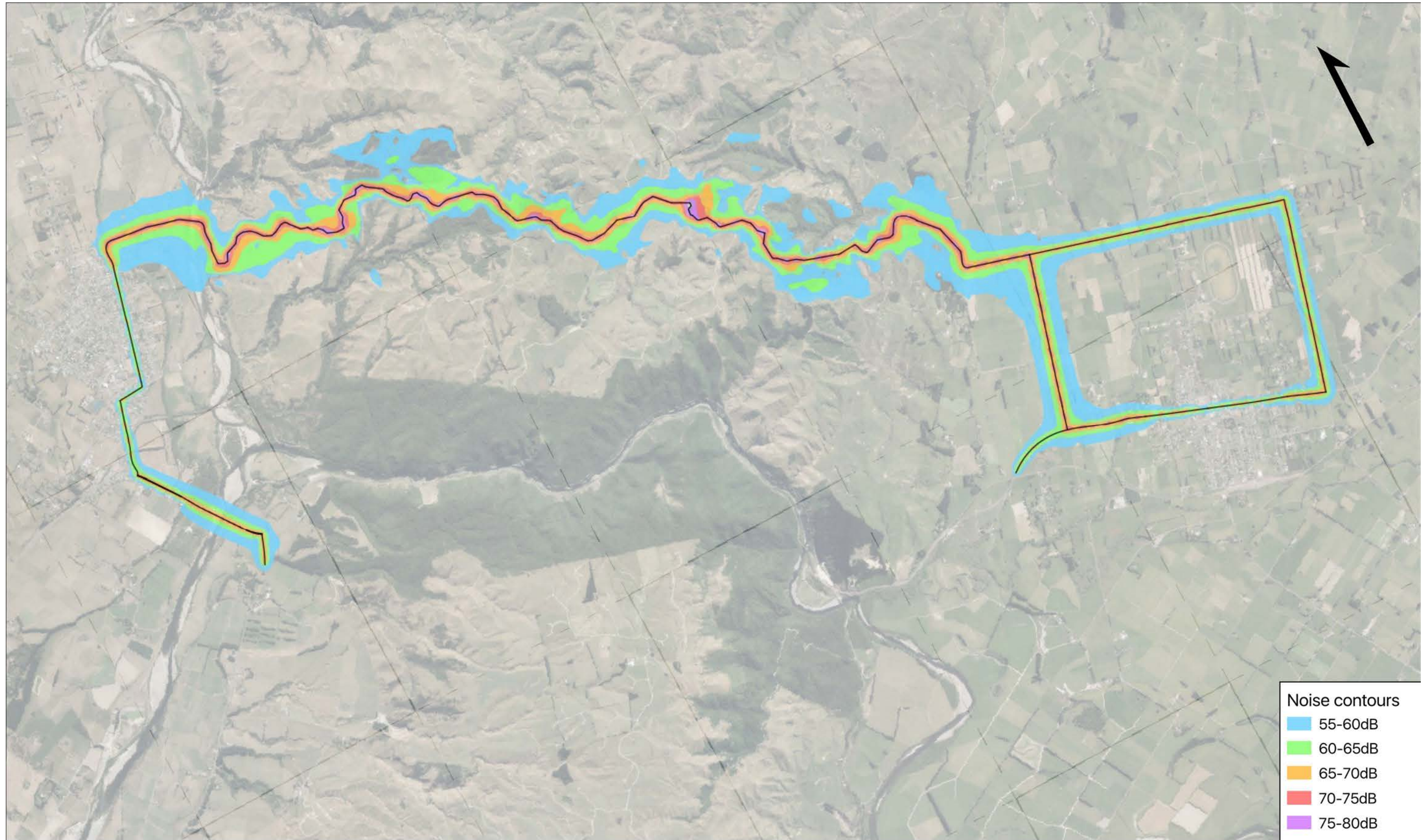
Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	J BULL	Designed	J BULL
Drafting Check	J BULL*	Design Check	S CHILES*
Approved	S CHILES*		
Date	OCTOBER 2018		
Scale	N.T.S.		

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	NOISE PLAN		
	EXISTING SCENARIO OVERVIEW (2018)		
Original Size	Project Number:	51-38113	Drawing Number:
A1			N-02
			Rev: A



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

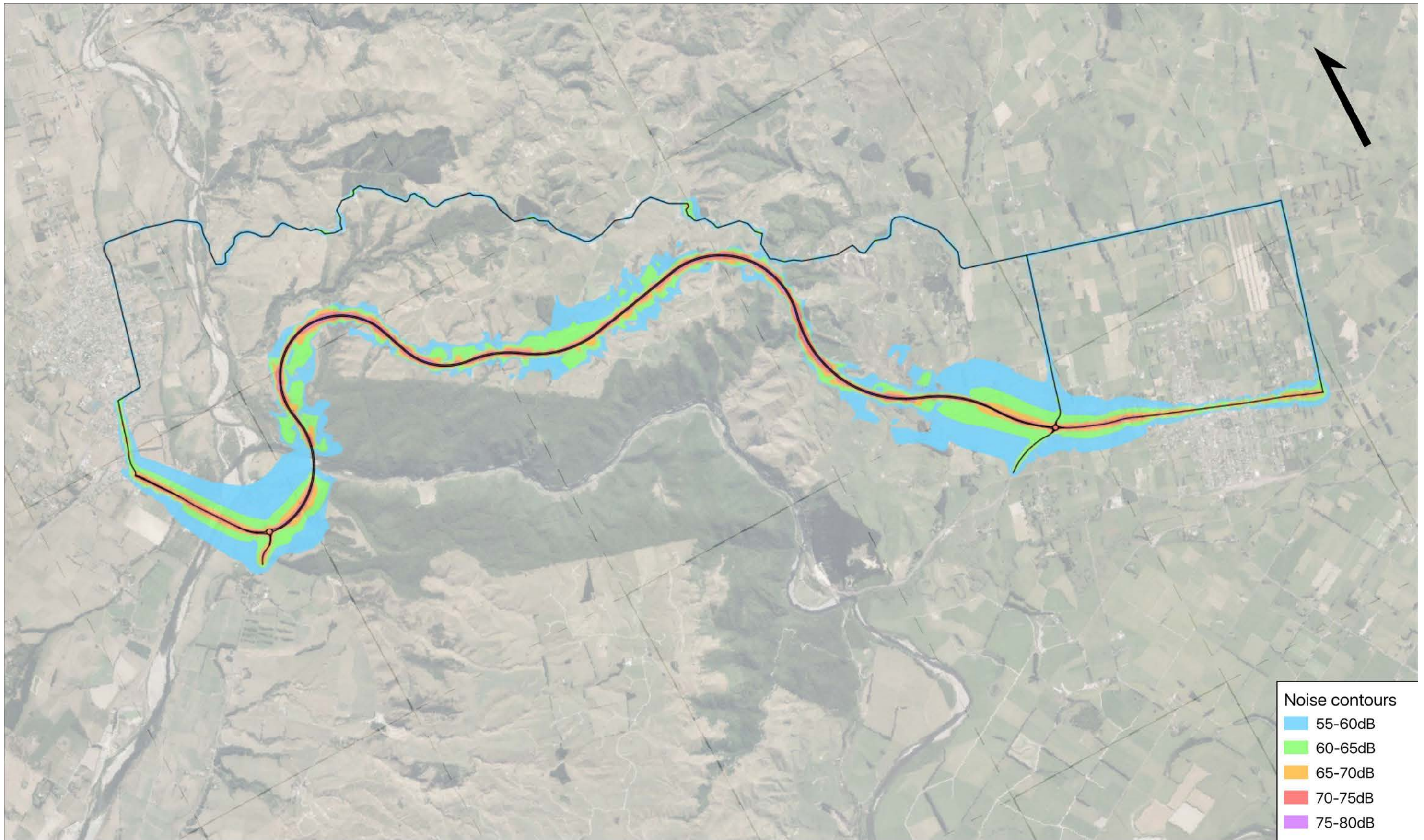
A	FOR SUBMISSION	WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

DO NOT SCALE	Drawn J BULL	Designed J BULL
GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	Drafting Check J BULL*	Design Check S CHILES*
	Approved S CHILES*	
	Date OCTOBER 2018	
	Scale N.T.S.	This Drawing must not be used for Construction unless signed as Approved

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	NOISE PLAN		
	DO-NOTHING SCENARIO OVERVIEW (2041)		
Original Size	Project Number: 51-38113	Drawing Number: N-03	Rev: A



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

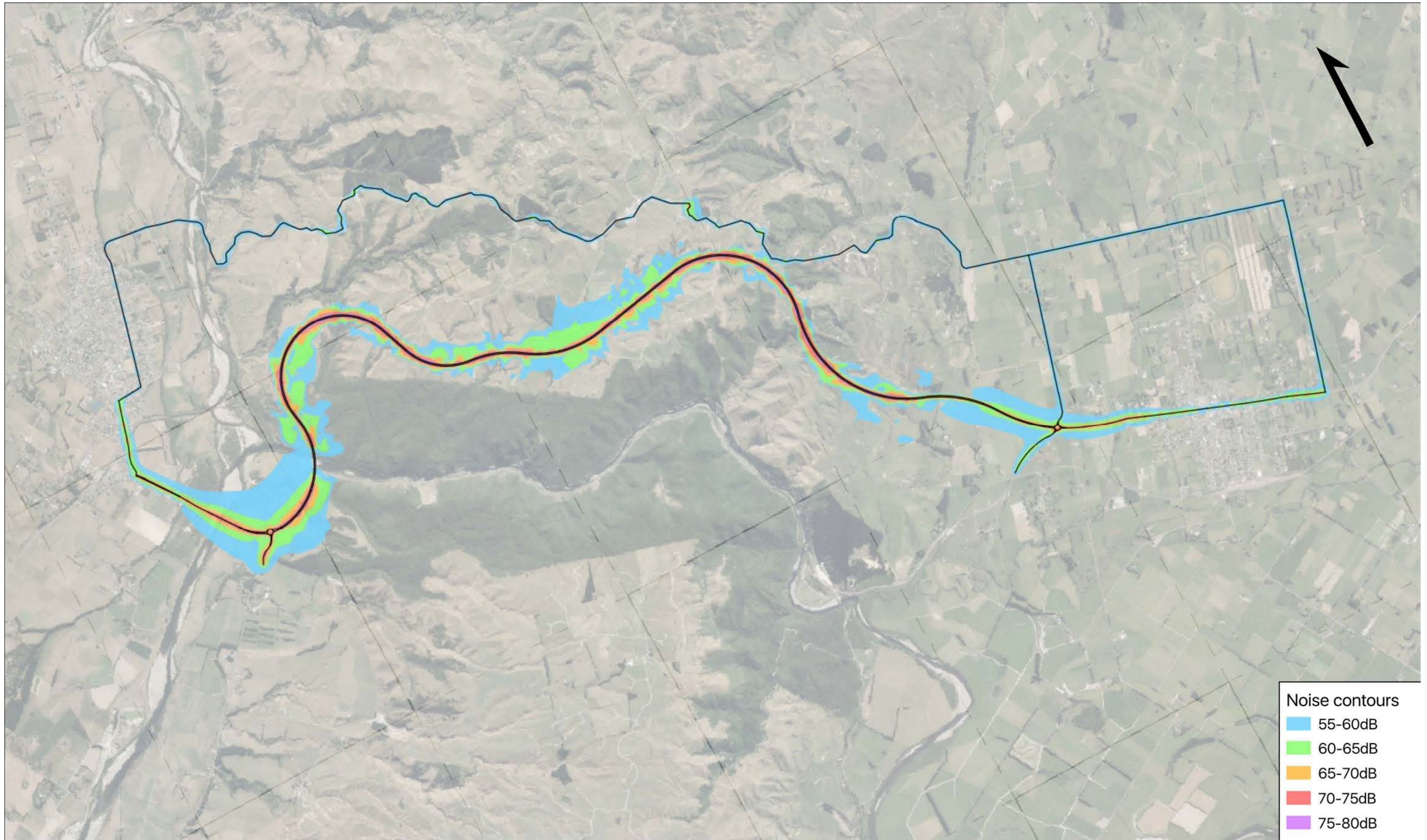
A	FOR SUBMISSION	WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

DO NOT SCALE	Drawn J BULL	Designed J BULL
<small>GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.</small>	Drafting Check J BULL*	Design Check S CHILES*
	Approved S CHILES*	
	Date OCTOBER 2018	
Scale N.T.S.	<small>This Drawing must not be used for Construction unless signed as Approved</small>	

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	NOISE PLAN		
	DO-MINIMUM SCENARIO OVERVIEW (2041)		
Original Size	Project Number: 51-38113	Drawing Number: N-04	Rev: A



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

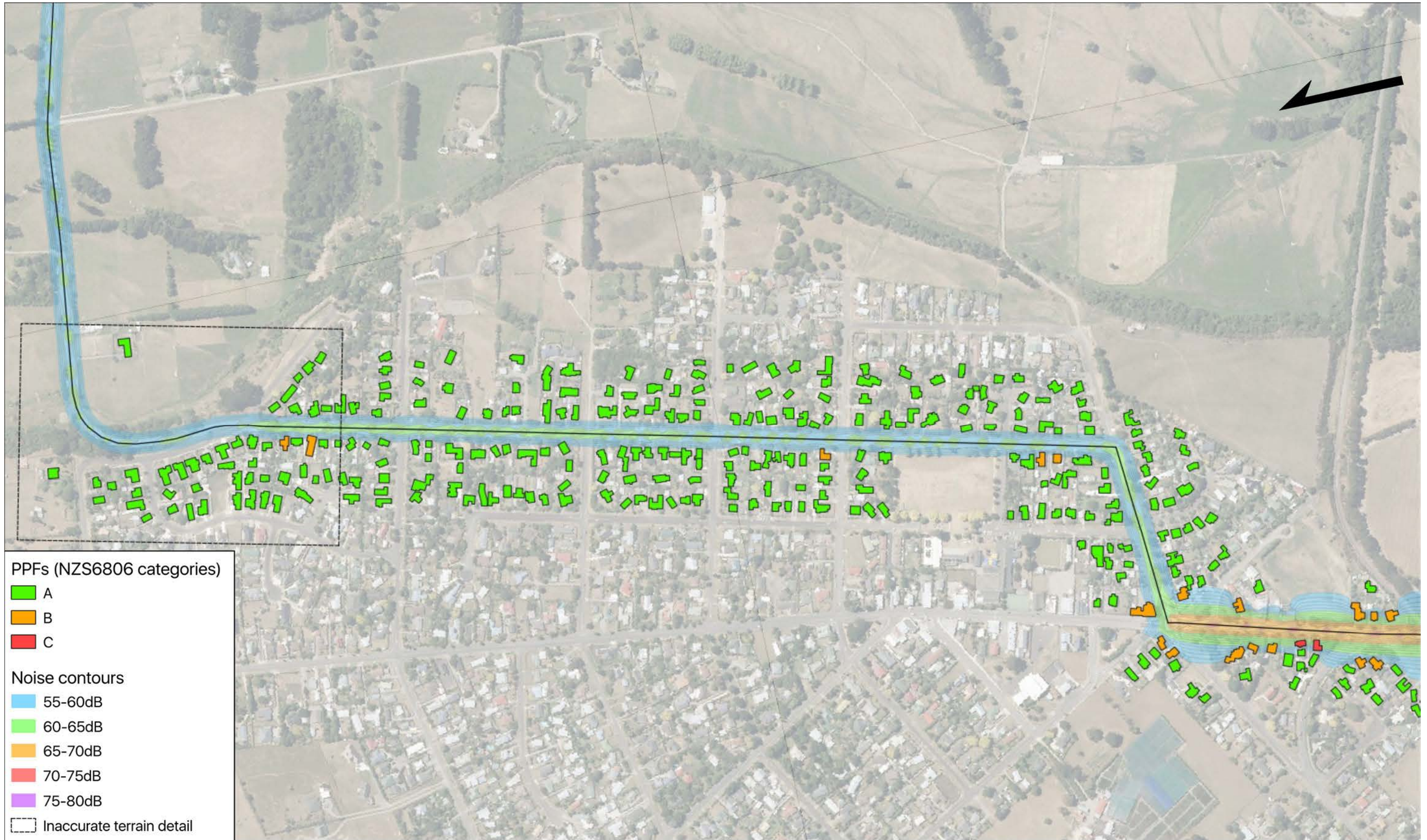
A FOR SUBMISSION					WS	AW*	AW*	10/18
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date		



GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

DO NOT SCALE	Drawn J BULL	Designed J BULL
GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	Drafting Check J BULL*	Design Check S CHILES*
	Approved S CHILES*	
	Date OCTOBER 2018	
Scale N.T.S.	This Drawing must not be used for Construction unless signed as Approved	

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	NOISE PLAN		
	PROJECT WITH MITIGATION OVERVIEW (2041)		
Original Size	Project Number: 51-38113	Drawing Number: N-05	Rev: A



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A FOR SUBMISSION		WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



DO NOT SCALE
 GHD Limited
 Conditions of Use.
 This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	J BULL	Designed	J BULL
Drafting Check	J BULL*	Design Check	S CHILES*
Approved	S CHILES*		
Date	OCTOBER 2018		
Scale	N.T.S.		

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	NOISE PLAN		
	ASHHURST - PROJECT WITH MITIGATION (2041)		
Original Size	Project Number:	51-38113	Drawing Number:
A1			N-06
			Rev: A



ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A	FOR SUBMISSION	WS	AW*	AW*	10/18	
No.	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



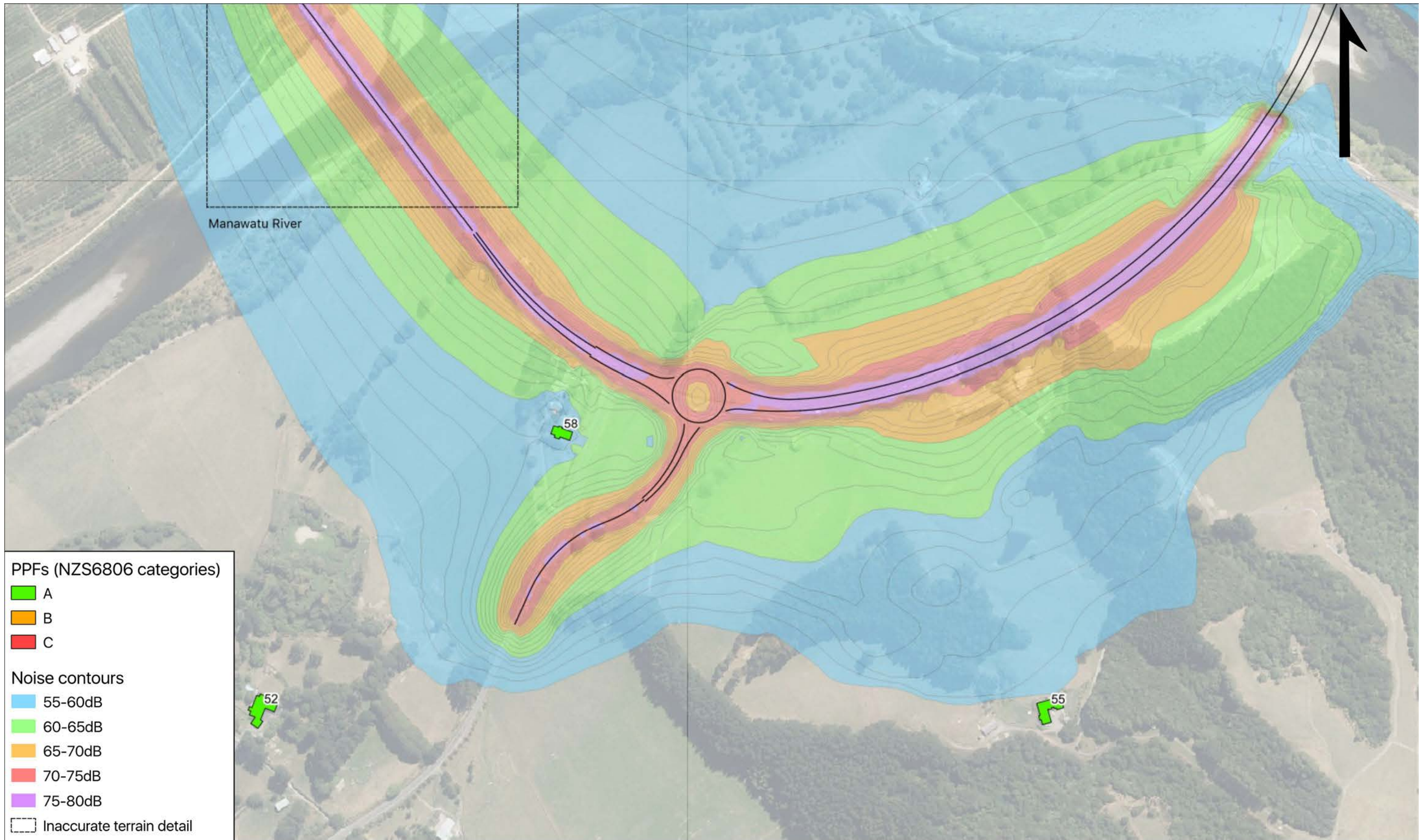
Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	J BULL	Designed	J BULL
Drafting Check	J BULL*	Design Check	S CHILES*
Approved	S CHILES*		
Date	OCTOBER 2018		
Scale	N.T.S.		

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	NOISE PLAN		
	ASHHURST (NAPIER RD) - PROJECT WITH MITIGATION (2041)		
Original Size	Project Number:	51-38113	Drawing Number: N-07 Rev: A



PPFs (NZS6806 categories)

- A
- B
- C

Noise contours

- 55-60dB
- 60-65dB
- 65-70dB
- 70-75dB
- 75-80dB

Inaccurate terrain detail

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

No.	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
A	FOR SUBMISSION		WS	AW*	AW*	10/18



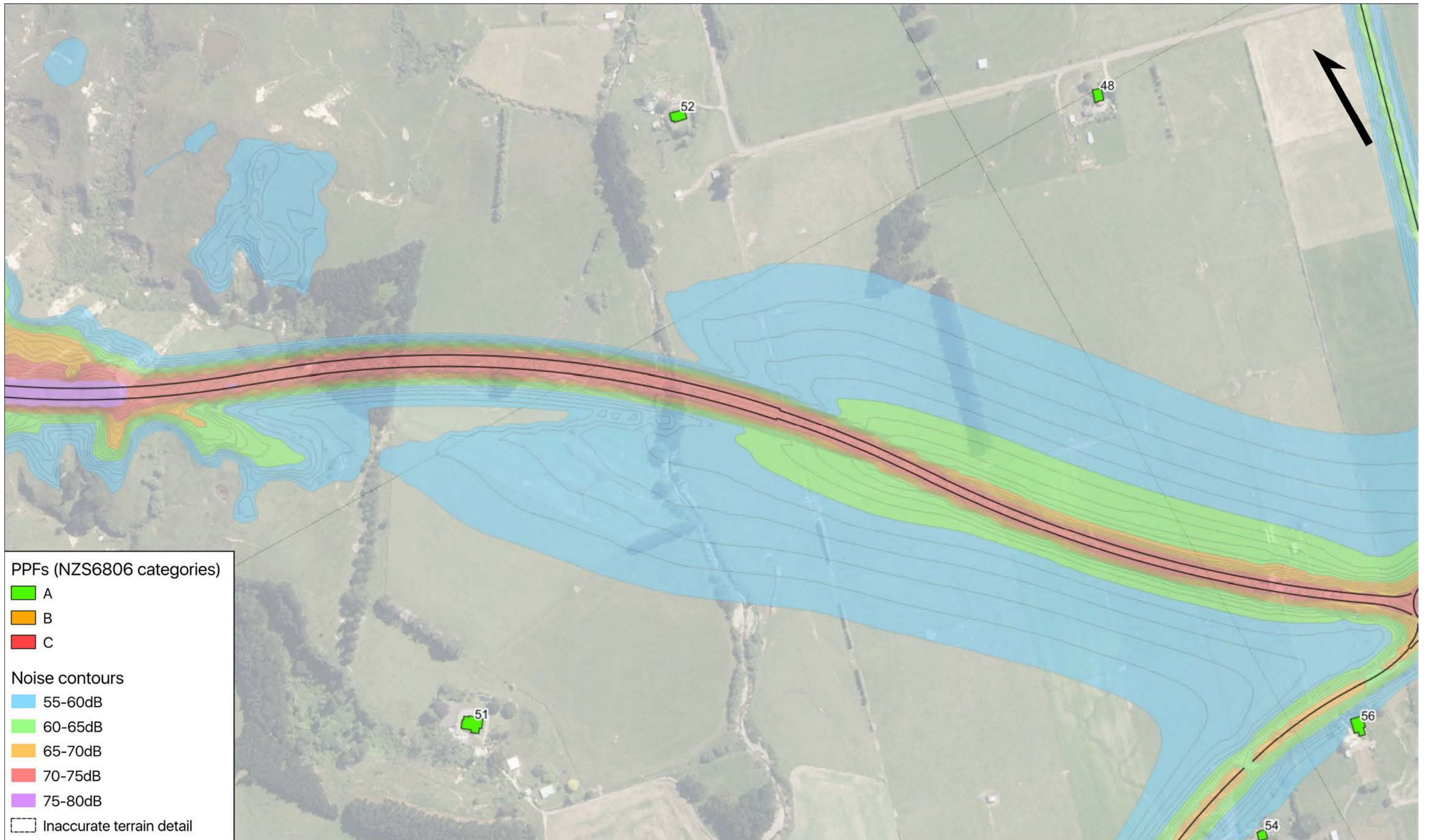
Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	J BULL	Designed	J BULL
Drafting Check	J BULL*	Design Check	S CHILES*
Approved	S CHILES*		
Date	OCTOBER 2018		
Scale	N.T.S.		

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	NOISE PLAN		
	BRIDGE TO BRIDGE - PROJECT WITH MITIGATION (2041)		
Original Size	Project Number:	51-38113	Drawing Number: N-08 Rev: A



PPFs (NZS6806 categories)

- A
- B
- C

Noise contours

- 55-60dB
- 60-65dB
- 65-70dB
- 70-75dB
- 75-80dB

Inaccurate terrain detail

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A FOR SUBMISSION					WS	AW*	AW*	10/18
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date		

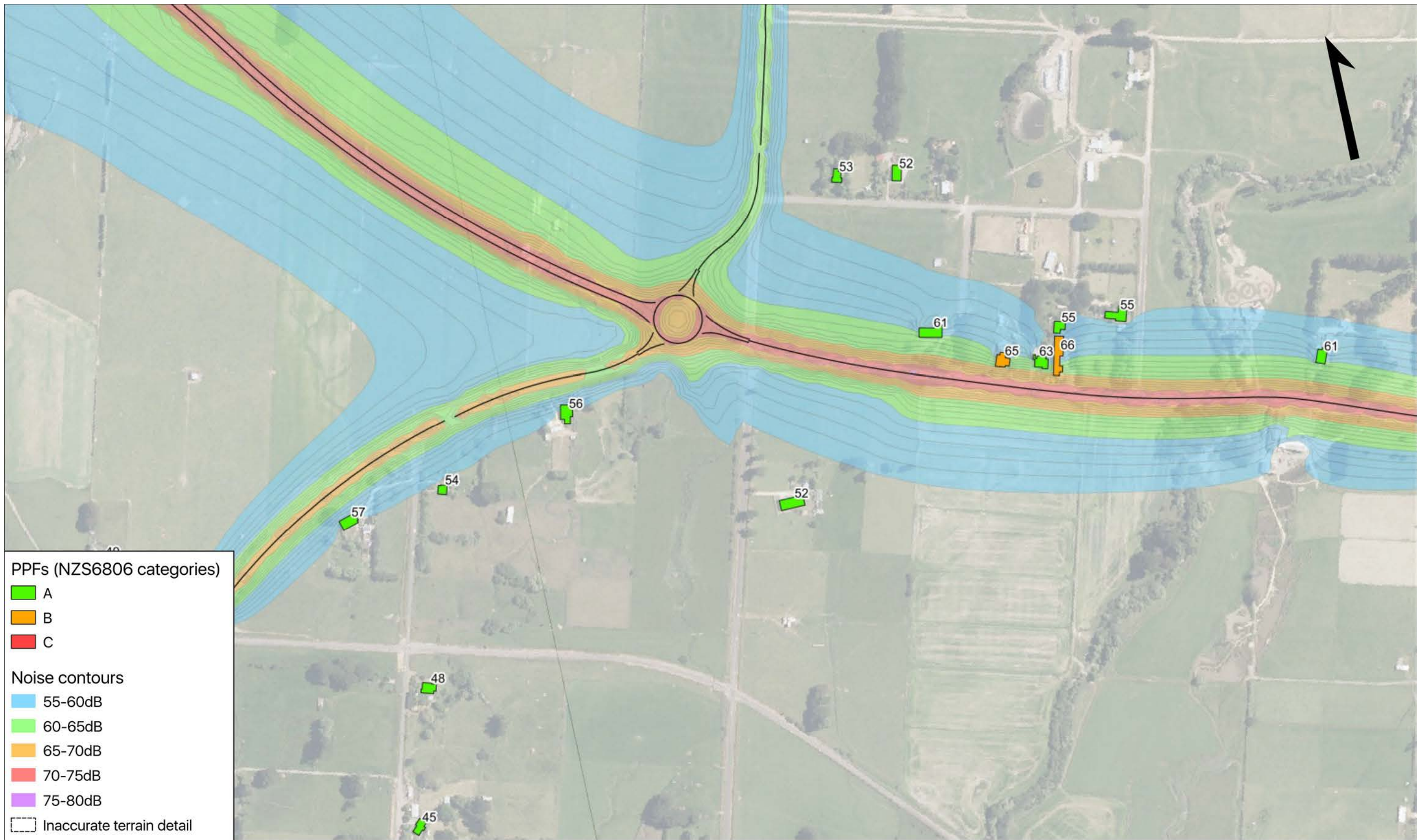


GHD

Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE	Drawn J BULL	Designed J BULL
GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	Drafting Check J BULL*	Design Check S CHILES*
	Approved S CHILES*	
	Date OCTOBER 2018	
Scale N.T.S.	This Drawing must not be used for Construction unless signed as Approved	

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	NOISE PLAN		
	LOWER EASTERN SLOPE - PROJECT WITH MITIGATION (2041)		
Original Size	Project Number: 51-38113	Drawing Number: N-09	Rev: A



PPFs (NZS6806 categories)

- A
- B
- C

Noise contours

- 55-60dB
- 60-65dB
- 65-70dB
- 70-75dB
- 75-80dB

Inaccurate terrain detail

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A FOR SUBMISSION		WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



DO NOT SCALE	Drawn J BULL	Designed J BULL
GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	Drafting Check J BULL*	Design Check S CHILES*
	Approved S CHILES*	
	Date OCTOBER 2018	
Scale N.T.S.	This Drawing must not be used for Construction unless signed as Approved	

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	NOISE PLAN		
	WOODVILLE GATEWAY - PROJECT WITH MITIGATION (2041)		
Original Size	Project Number: 51-38113	Drawing Number: N-10	Rev: A



PPFs (NZS6806 categories)

- A
- B
- C

Noise contours

- 55-60dB
- 60-65dB
- 65-70dB
- 70-75dB
- 75-80dB

Inaccurate terrain detail

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A	FOR SUBMISSION	WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



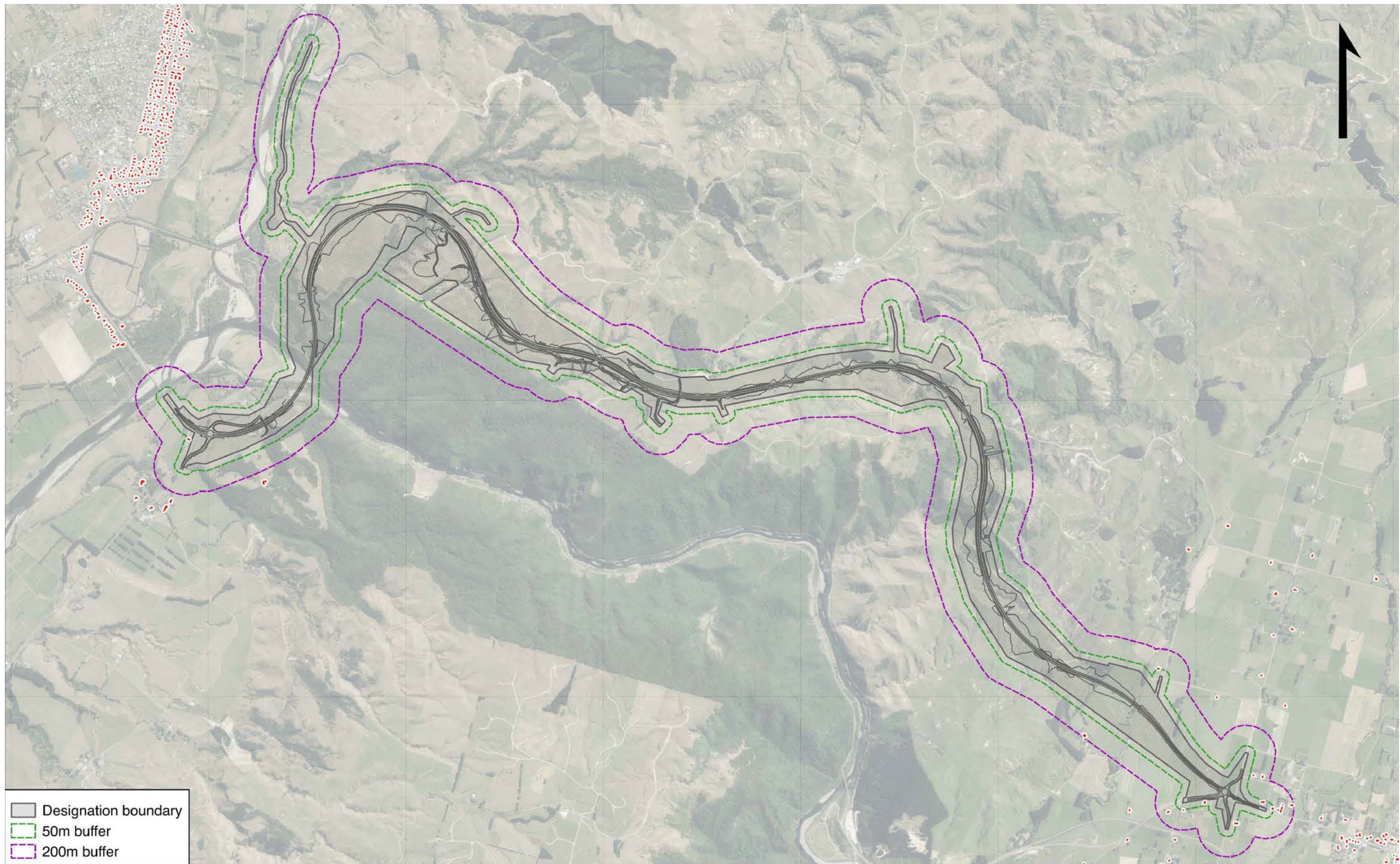
Level 3, GHD Centre
27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
T 64 9 370 8000 F 64 9 370 8001
E auckland@ghd.com W www.ghd.com

DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	J BULL	Designed	J BULL
Drafting Check	J BULL*	Design Check	S CHILES*
Approved	S CHILES*	Date	OCTOBER 2018
Scale	N.T.S.	This Drawing must not be used for Construction unless signed as Approved	

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	NOISE PLAN		
	WOODVILLE - PROJECT WITH MITIGATION (2041)		
Original Size	Project Number:	51-38113	Drawing Number:
A1			N-11 Rev: A



- Designation boundary
- 50m buffer
- 200m buffer

ALL INFORMATION SHOWN IS SUBJECT TO FINAL DESIGN AND THE DETAILS MAY CHANGE. AREAS AND MEASUREMENTS ARE SUBJECT TO SURVEY

FOR NOTICE OF REQUIREMENT

A FOR SUBMISSION		WS	AW*	AW*	10/18	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



GHD
 Level 3, GHD Centre
 27 Napier Street, Freemans Bay, Auckland 1011 New Zealand
 T 64 9 370 8000 F 64 9 370 8001
 E auckland@ghd.com W www.ghd.com

DO NOT SCALE	Drawn J BULL	Designed J BULL
GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	Drafting Check J BULL*	Design Check S CHILES*
	Approved S CHILES*	
	Date OCTOBER 2018	
Scale N.T.S.	This Drawing must not be used for Construction unless signed as Approved	

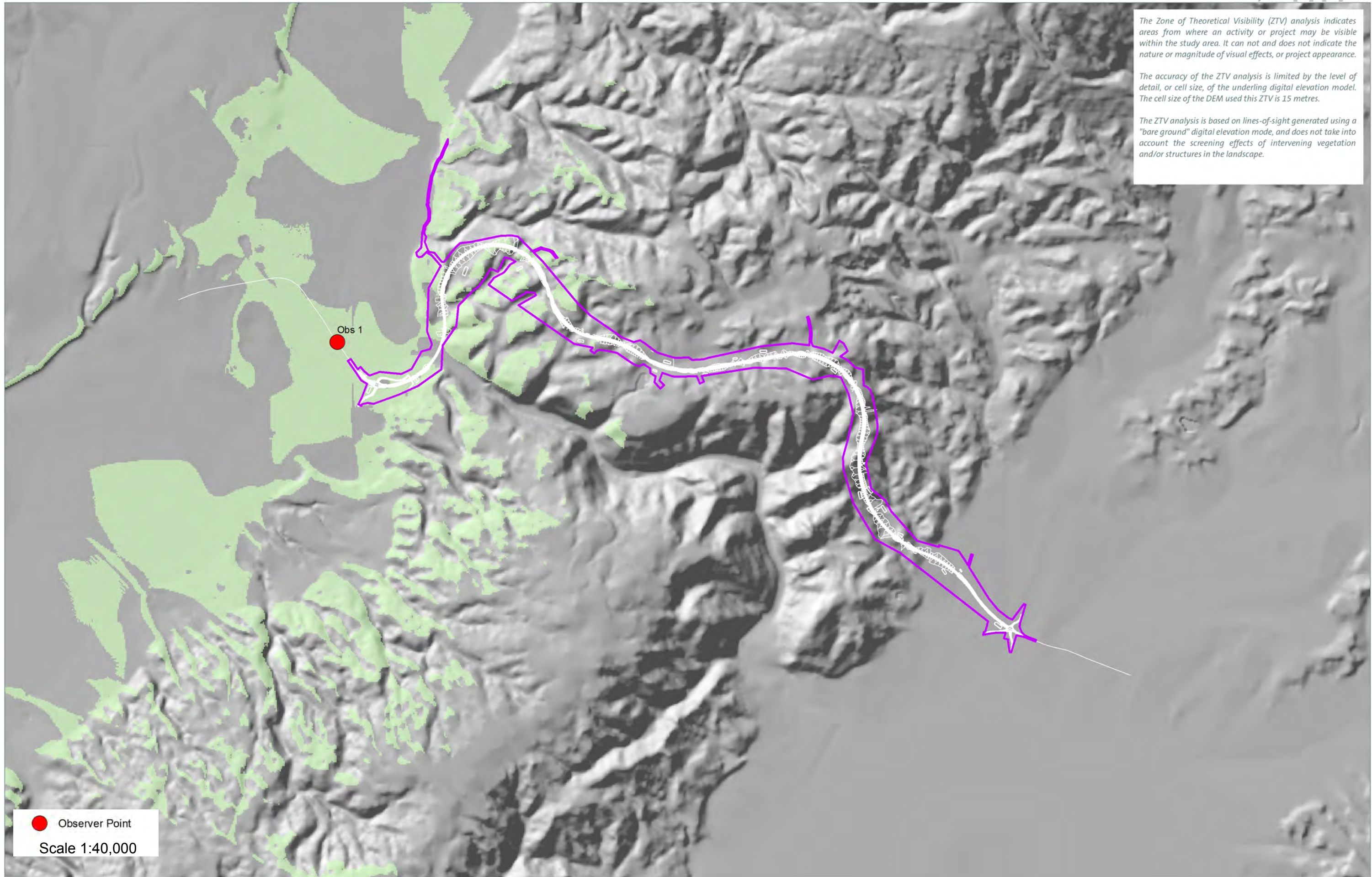
Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	NOISE PLAN		
	50m & 200m CONSTRUCTION NOISE MANAGEMENT AREAS		
Original Size	Project Number: 51-38113	Drawing Number: N-12	Rev: A

LANDSCAPE & VISUAL ASSESSMENTS

The Zone of Theoretical Visibility (ZTV) analysis indicates areas from where an activity or project may be visible within the study area. It can not and does not indicate the nature or magnitude of visual effects, or project appearance.

The accuracy of the ZTV analysis is limited by the level of detail, or cell size, of the underlying digital elevation model. The cell size of the DEM used this ZTV is 15 metres.

The ZTV analysis is based on lines-of-sight generated using a "bare ground" digital elevation mode, and does not take into account the screening effects of intervening vegetation and/or structures in the landscape.



● Observer Point
Scale 1:40,000

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn **MDu**
Designed **BEv/BFa**
Drafting Check **BEv**
Design Check **BEv**
Approved **BEv**
Date **25 Oct 2018**
Scale **As Shown**

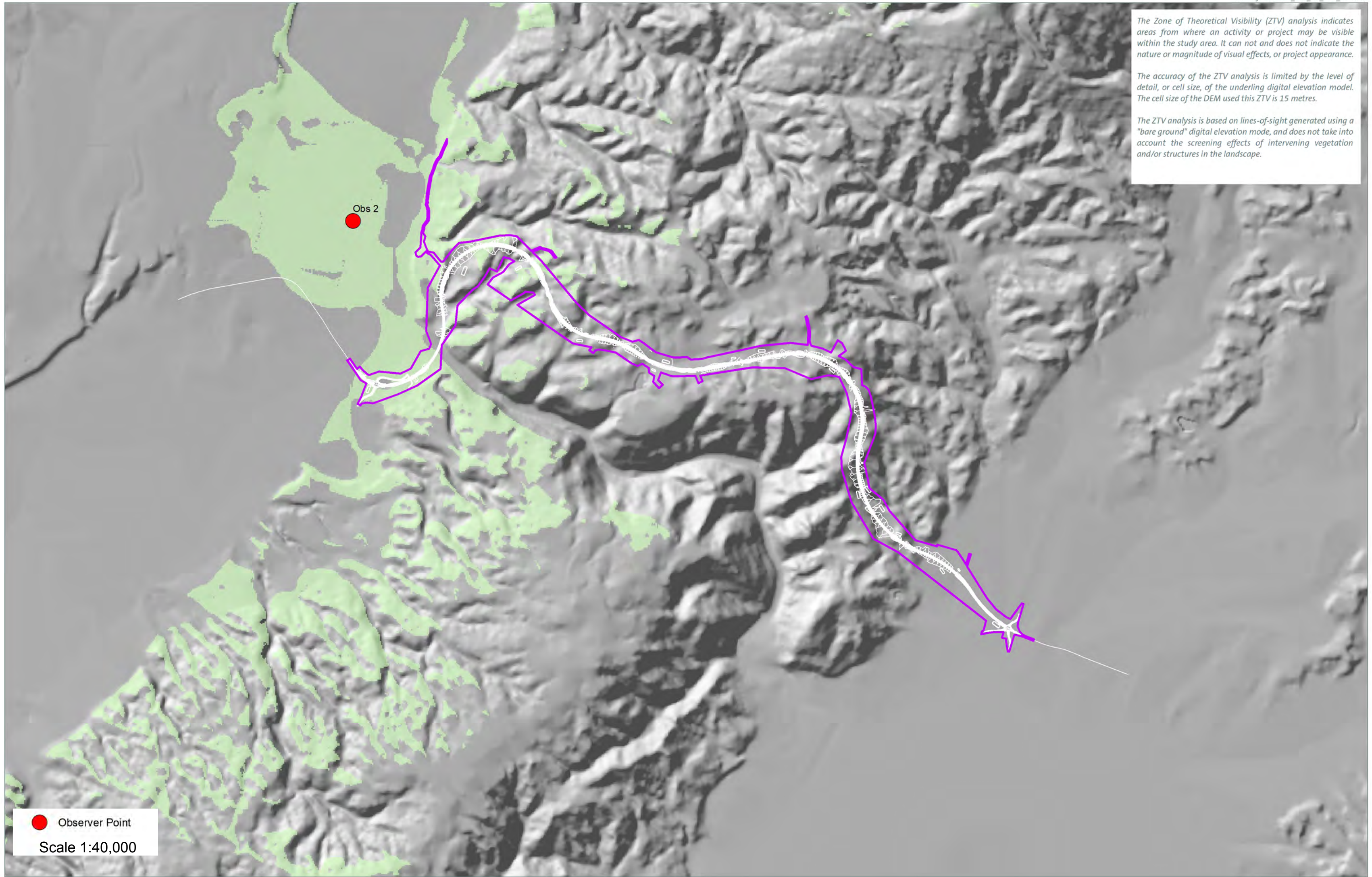
This Drawing must not be used for Construction unless signed as Approved

Client **NZ TRANSPORT AGENCY**
Project **TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY**
Title **ZONE OF THEORETICAL VISIBILITY OBSERVER POINT 1**
Original Size **A3**
Project Number: **51-38113**
Drawing Number: **LVA-01** Rev:

The Zone of Theoretical Visibility (ZTV) analysis indicates areas from where an activity or project may be visible within the study area. It can not and does not indicate the nature or magnitude of visual effects, or project appearance.

The accuracy of the ZTV analysis is limited by the level of detail, or cell size, of the underlying digital elevation model. The cell size of the DEM used this ZTV is 15 metres.

The ZTV analysis is based on lines-of-sight generated using a "bare ground" digital elevation mode, and does not take into account the screening effects of intervening vegetation and/or structures in the landscape.



● Observer Point
Scale 1:40,000

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn **MDu**
Designed **BEv/BFa**
Drafting Check **BEv**
Design Check **BEv**
Approved **BEv**
Date **25 Oct 2018**
Scale **As Shown**

This Drawing must not be used for Construction unless signed as Approved

Client **NZ TRANSPORT AGENCY**
Project **TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY**
Title **ZONE OF THEORETICAL VISIBILITY OBSERVER POINT 2**
Original Size **A3**
Project Number: **51-38113**
Drawing Number: **LVA-02** Rev:

The Zone of Theoretical Visibility (ZTV) analysis indicates areas from where an activity or project may be visible within the study area. It can not and does not indicate the nature or magnitude of visual effects, or project appearance.

The accuracy of the ZTV analysis is limited by the level of detail, or cell size, of the underlying digital elevation model. The cell size of the DEM used this ZTV is 15 metres.

The ZTV analysis is based on lines-of-sight generated using a "bare ground" digital elevation mode, and does not take into account the screening effects of intervening vegetation and/or structures in the landscape.



● Observer Point
Scale 1:40,000

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



DO NOT SCALE

GHD Limited
Conditions of Use,
This document may only be used by
GHD's client (and any other person who
GHD has agreed can use this document)
for the purpose for which it was prepared
and must not be used by any other
person or for any other purpose.

Drawn **MDu**
Designed **BEv/BFa**
Drafting **BEv**
Design **BEv**
Check **BEv**
Approved **BEv**
Date **25 Oct 2018**
Scale **As Shown**

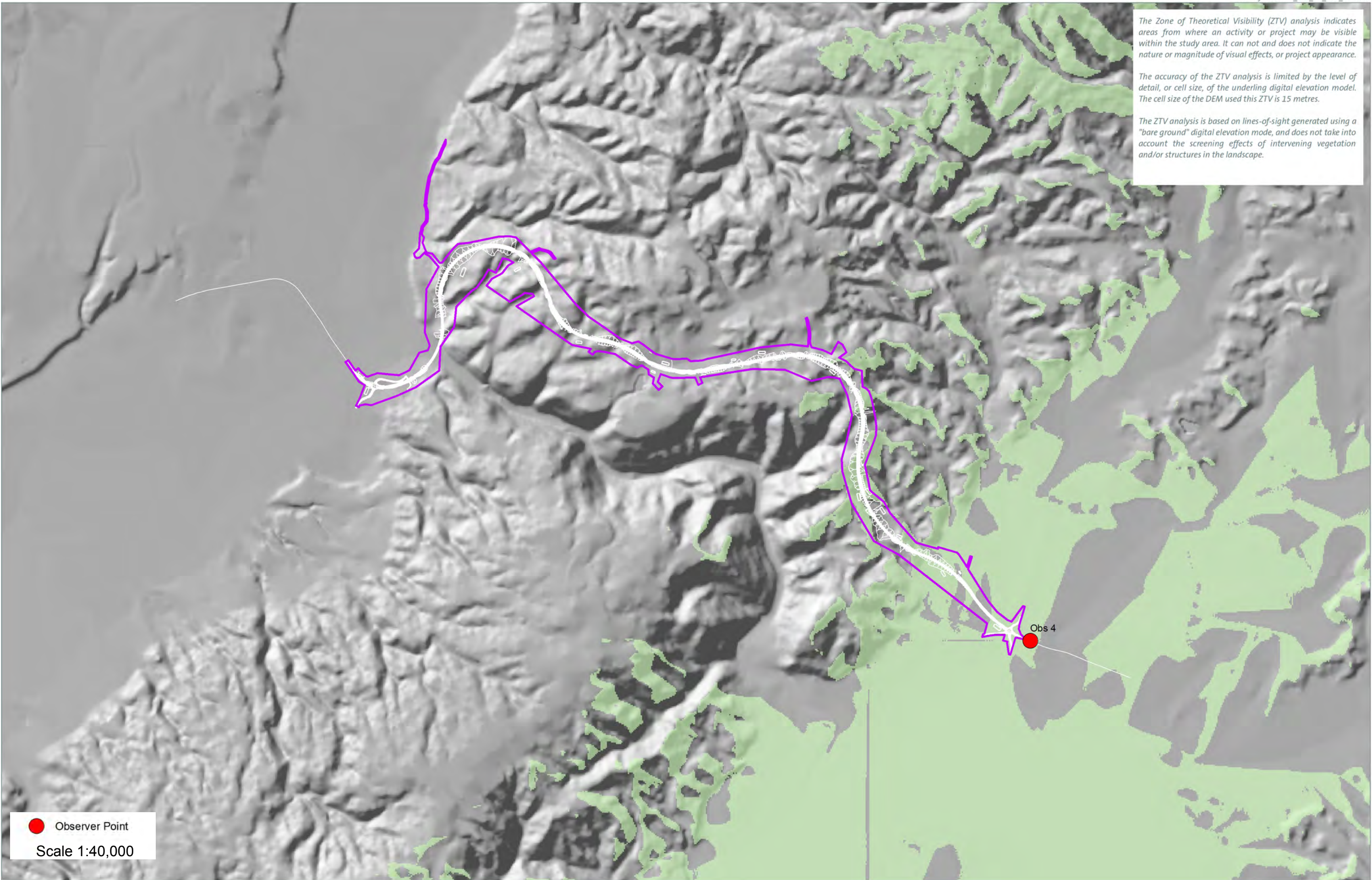
This Drawing must not be used for Construction unless signed as Approved

Client **NZ TRANSPORT AGENCY**
Project **TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY**
Title **ZONE OF THEORETICAL VISIBILITY**
OBSERVER POINT 3
Original Size **A3**
Project Number: **51-38113**
Drawing Number: **LVA-03** Rev:

The Zone of Theoretical Visibility (ZTV) analysis indicates areas from where an activity or project may be visible within the study area. It can not and does not indicate the nature or magnitude of visual effects, or project appearance.

The accuracy of the ZTV analysis is limited by the level of detail, or cell size, of the underlying digital elevation model. The cell size of the DEM used this ZTV is 15 metres.

The ZTV analysis is based on lines-of-sight generated using a "bare ground" digital elevation mode, and does not take into account the screening effects of intervening vegetation and/or structures in the landscape.

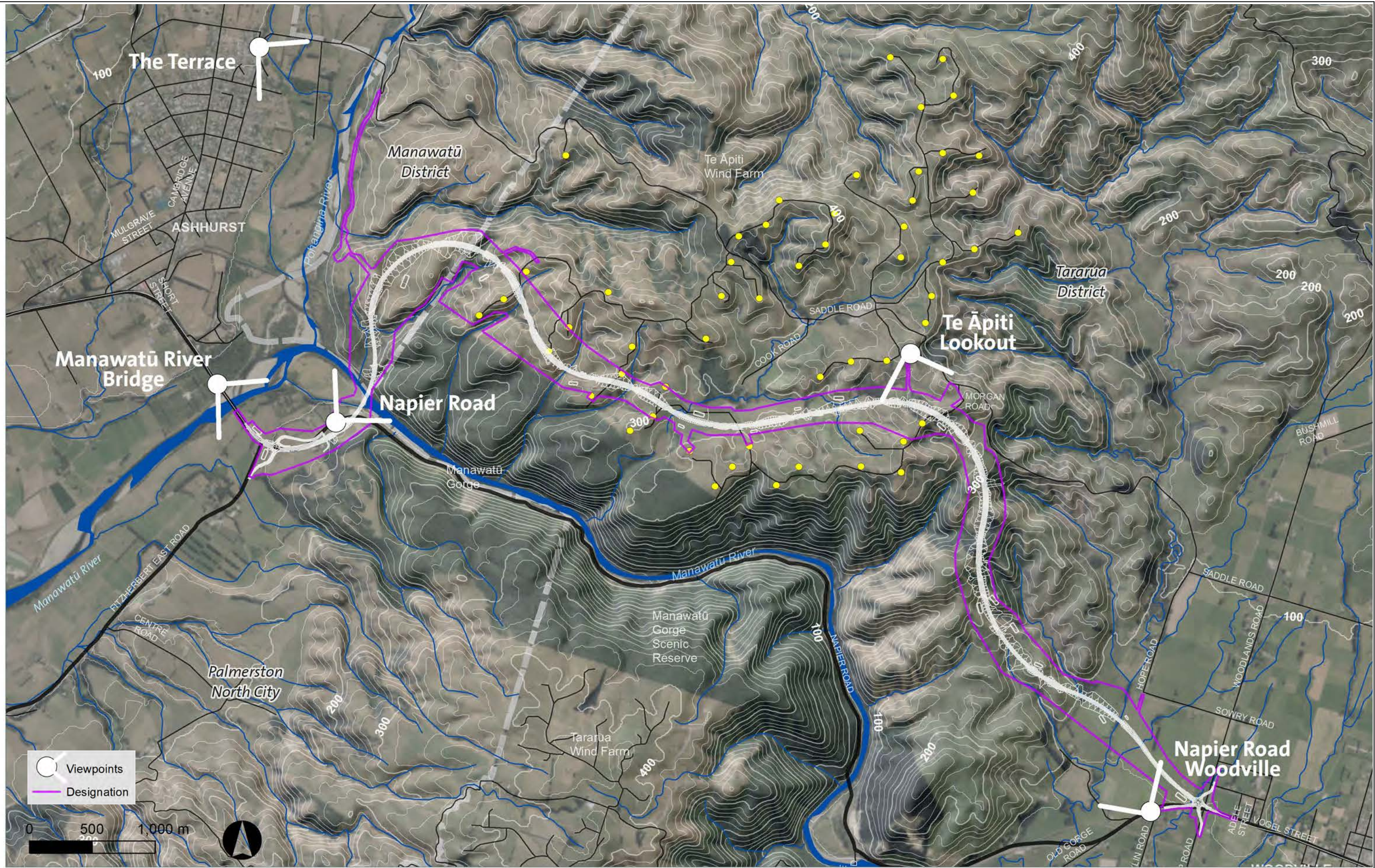


● Observer Point
Scale 1:40,000

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



DO NOT SCALE		Drawn MDu	Designed BEv/BFa	Client NZ TRANSPORT AGENCY
GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.		Drafting Check BEv	Design Check BEv	Project TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY
Date 25 Oct 2018		Approved BEv		Title ZONE OF THEORETICAL VISIBILITY
Scale As Shown		This Drawing must not be used for Construction unless signed as Approved		Original Size A3
		Project Number: 51-38113		Drawing Number: LVA-04 Rev:



No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



DO NOT SCALE GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	Drawn MDu	Designed BEv/BFa	Client NZ TRANSPORT AGENCY
	Drafting Check BEv	Design Check BEv	Project TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY
	Approved BEv	Date 25 Oct 2018	Title VISUAL SIMULATION VIEWPOINT LOCATION MAP
	Scale As Shown	This Drawing must not be used for Construction unless signed as Approved.	Original Size A3



DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by
GHD's client (and any other person who
GHD has agreed can use this document)
for the purpose for which it was prepared
and must not be used by any other
person or for any other purpose.

Drawn **MDu**

Drafting Check **BEv**

Approved **BEv**

Date **25 Oct 2018**

Scale **As Shown**

Designed **BEv/BFa**

Design Check **BEv**

This Drawing must not be used for Construction unless signed as Approved

Original Size **A3**

Client **NZ TRANSPORT AGENCY**
Project **TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY**
Title **VIEWPOINT FROM THE TERRACE, ASHHURST**

Project Number: **51-38113** Drawing Number: **LVA-06** Rev:



Proposed View

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn **MDu**

Drafting Check **BEv**

Approved **BEv**

Date **25 Oct 2018**

Scale **As Shown**

Designed **BEv/BFa**

Design Check **BEv**

This Drawing must not be used for Construction unless signed as Approved

Original Size **A3**

Client **NZ TRANSPORT AGENCY**
Project **TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY**
Title **VIEWPOINT FROM THE MANAWATŪ RIVER BRIDGE SH3**
Project Number: **51-38113** Drawing Number: **LVA-07** Rev:



Proposed View

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	MDu	Designed	BEv/BFa
Drafting Check	BEv	Design Check	BEv
Approved	BEv	Date 25 Oct 2018	
Scale	As Shown	This Drawing must not be used for Construction unless signed as Approved	

Client	NZ TRANSPORT AGENCY		
Project	TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY		
Title	VIEWPOINT FROM NAPIER ROAD, SH3		
Original Size	Project Number:	51-38113	Drawing Number: LVA-08 Rev:



Proposed View

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by
GHD's client (and any other person who
GHD has agreed can use this document)
for the purpose for which it was prepared
and must not be used by any other
person or for any other purpose.

Drawn **MDu**

Drafting Check **BEv**

Approved **BEv**

Date **25 Oct 2018**

Scale **As Shown**

Designed **BEv/BFa**

Design Check **BEv**

This Drawing must not be
used for Construction unless
signed as Approved

Scale **As Shown**

Client **NZ TRANSPORT AGENCY**
Project **TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY**
Title **VIEWPOINT FROM TE ĀPITI WIND FARM LOOKOUT**

Original Size **A3** Project Number: **51-38113** Drawing Number: **LVA-09** Rev:



Proposed View

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



DO NOT SCALE

GHD Limited
Conditions of Use.
This document may only be used by
GHD's client (and any other person who
GHD has agreed can use this document)
for the purpose for which it was prepared
and must not be used by any other
person or for any other purpose.

Drawn **MDu**

Drafting Check **BEv**

Approved **BEv**

Date **25 Oct 2018**

Scale **As Shown**

Designed **BEv/BFa**

Design Check **BEv**

This Drawing must not be used for Construction unless signed as Approved

Client

Project

Title

Original Size

A3

NZ TRANSPORT AGENCY
TE AHU A TURANGA; MANAWATŪ TARARUA HIGHWAY
VIEWPOINT FROM NAPIER ROAD, WOODVILLE

Project Number:

51-38113

Drawing Number:

LVA-10

Rev: