

Appendix J

Preliminary Site Investigation Report

Transpower New Zealand Limited
96 The Terrace
PO Box 1021
Wellington 6140

Attention: Kelly Parekowhai

Dear Kelly,

Preliminary Site Investigation - Mount Manganui A & B 110kV Transmission Line Realignment

In accordance with our proposal of 8 June 2017, Tonkin & Taylor Limited (T+T) has undertaken a Preliminary Site Investigation (PSI) to assess the potential for historical and current onsite activities to have resulted in onsite ground contamination along the alignment of the HAI-MTM A and B transmission lines located between Matapihi and Maungatapu and identify whether contaminated land consent is required under the NES Transmission¹ or under the Bay of Plenty Regional Plan (BOPRP) for earthworks associated with the proposed foundation refurbishment/ replacement works.

1 Background

We understand proposed works will involve relocation of a number of structures and one tower located along the HAI-MTM A transmission line to the same general alignment as the HAI MTM B line, and replacement of a number of structures along the HAI MTM B transmission line. Physical work involves disturbance of soil to establish new tower foundations and to remove existing tower foundations and support structures. The location of the current and proposed transmission structures are illustrated in the site location plans included at Appendix A.

The NES Transmission applies to the proposed works as they involve upgrading of an existing transmission line. However, we also note that Regulation 4(2)(f) states that *“these regulation do not apply to earthworks to the extent that they are subject to a regional rule”*. Accordingly, Rule 35 of the BOPRP applies.

As per Transpower's position, while consenting requirements of the NES Soil² have not been considered further, this PSI has been prepared in accordance with the requirements of the NES Soil and as outlined in the MfE's CLMGs³. If the Bay of Plenty Regional Council (BOPRC) reaches a different conclusion our contaminated land recommendations would apply equally to any consent

¹ Resource Management (National Environmental Standards for Electricity Transmission Activities) Regulation 2009

² Resource Management (National Environmental Standards for Assessing and Managing Contaminants in Soil to Protect Human Health) Regulation 2011

³ Ministry for the Environment, 2011: Contaminated Land Management Guideline No. 1 “Reporting on Contaminated Sites in New Zealand.

issued under the NES Soil. The persons undertaking, managing reviewing and certifying this PSI are suitably qualified and experienced practitioners as defined in the NES Soil Users Guide⁴.

1.1 Objective and scope of works

The objective of this PSI is to assess the potential for historical and current activities to have resulted in ground contamination on the land underlying the structure foundations and establish whether the proposed foundation refurbishment works will meet the permitted activity requirements relating to contaminated land under the BOPRP, if not, identify those structures where a resource consent is likely to be required prior to commencing works.

To achieve this objective, the following scope of works was undertaken:

- Review available historical aerial photographs to identify potential HAIL⁵ activities;
- Review of Bay of Plenty Site Land Use Register (HAIL activities) for records of possible historical contamination;
- Undertake a brief site inspection of each transmission structure; and
- Assess each structure site against the relevant provisions of the BOPRP to confirm whether the works require contaminated land related consent.

2 Site description

2.1 Site identification

The tower foundations to be replaced (HAI-MTM Line A and Line B) are located between the suburbs of Matapihi and Maungatapu, generally adjacent to State Highway 29A (refer Figures in Appendix A).

2.2 Existing layout and surrounding land uses

The structures⁶ are located on land where there are four primary land uses – horticultural, road reserve, residential and recreational.

- Line A Structures 120-127 and Line B Structures 48A, 48C-48E and 127A are located within land primarily used for growing kiwifruit, the land is generally flat with established shelterbelts surrounding each block;
- The majority of structures located along Line B are adjacent to the road reserve of SH29A, this area is typically flat and in pastoral use;
- Three of the structures located along Line A (113A-115) are within residential properties, with two are positioned adjacent to Ariki Park sports fields and tennis courts; and
- Line A Tower 118 is located within the Tauranga Harbour approximately 190 m from the coastline.

⁴ Ministry for the Environment. 2012: Users' Guide: National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health. Wellington: Ministry for the Environment.

⁵ Hazardous Activities and Industry List

⁶ Structure numbers are based on plans provided by Transpower – HAI-MTM A Relocation SSR, revision A2, dated 11 July 2017.

2.3 Site geology and hydrogeology

Published geology of the Tauranga area⁷ indicates both transmission lines and associated structures are underlain by quaternary alluvium deposits of the Tauranga Group. These sediments generally comprise light brown mudstones and sandstones and weather to form in-situ silts and clays.

Based on the transmission lines proximity to the coast, groundwater is anticipated to occur relatively close to ground surface (less than 5 m below ground level) and predicted to flow in a north-easterly direction towards the Tauranga Harbour.

3 Site history and consenting assessment

In order to assess the works against contaminated land rules in the BOPRP, we have undertaken a review of available Council information including reviewing historic aerial photographs and a BOPRC site contamination enquiry. The review has identified there are a number of transmission tower sites which have the potential to contain fill materials but this does not necessarily trigger the requirement for a consent under the contaminated land rules of the BOPRP.

A summary of relevant information from these records and a contaminated land consent assessment is presented in Appendix B and summary is provided below and in Table 3.1 below:

- Fourteen (14) sites were assessed as having either a low or moderate potential for contamination, based on evidence on the BOPRC Selected Land Use Register, Tauranga City Council aerial photographs, and based on our inspection showing evidence of HAIL activities (orchards or significantly filled ground) on or immediately surrounding the site of the tower. Accordingly, these sites are considered to have the potential to be contaminated and, therefore, require resource consent under Rule 35 of the BOPRP as a restricted discretionary activity;
- Seven (7) of the sites, located in Line B, were assessed as having negligible potential for contamination and, therefore, do not require a contaminated land consent under Rule 35 of the BOPRP;
- Twenty nine (29) structures have a low potential for contamination (i.e. where there has been minor surface disturbance and low level adjacent site activity). These sites are considered unlikely to pose a risk to human health or the environment and, therefore, do not require a contaminated land consent under Rule 35 of the BOPRP. The BoP specific Site Management Plan (SMP)⁸ will be appropriate for use on these sites; and
- Tower 118 is located within the Tauranga Harbour. We understand from Transpower that this structure is proposed to be removed with little disturbance to the underlying material and therefore no consent for contaminated soil is likely to be required. Furthermore, sampling of the sediment in the Tauranga Harbour has been undertaken by BOPRC which shows that metal and hydrocarbon concentrations are generally below the ANZECC interim sediment quality guidelines.

⁷ Leonard, G.S.; Begg, J.G.; Wilson, C.J.N. (compilers) 2010: *Geology of the Rotorua area*. Scale 1:250,000. Institute of Geological & Nuclear Sciences geological map 5.

⁸ T+T, 2017: Site Management Plan for ground contamination, Small scale works – Bay of Plenty Region.

Table 3.1: Summary of potential for contamination and tower consenting requirements

Potential for contamination	Consent requirement	Structures
Negligible	Do not require consent under BOPRP Rule 35	Line B Structures 28A, 29A, 30A, 31A, 32A, 33A, 33B
Low	Do not require consent under BOPRP Rule 35 but recommend controls (SMP) in place	- Line A Structures 113A, 114, 115, 116, 117 - Line B Structures 33C, 33D, 43A, 47, 48, 49A, 50, 33D, 38A, 39, 39A, 40A, 41A, 42A, 43B, 44C, 44B, 45A, 47A, 48A, 48B, 48E, 51, 128
Moderate	Restricted Discretionary consent required (BOPRP Rule 35)	- Line A Structures 119, 120, 121, 122, 123, 124, 125, 126 and 127 - Line B Structures Structures 33E, 48C, 48D, 48E and 127A

4 Works requirements

For structures where the site is not potentially contaminated, the works should be undertaken in accordance with standard earthworks controls. For the 29 structures (refer Table 3.1) where there has been minor soil disturbance in the past, on or adjacent to the land, it would be prudent for the Transpower generic SMP for *“small scale works within the Bay of Plenty region”*⁹ to be provided to the Contractors in the event that visual or olfactory evidence of contamination is identified during the works.

For the 14 sites where some degree of contamination is likely present, the key issues for the refurbishment/replacement works are potential for:

- Skin contact and ingestion of contaminated soil by workers;
- Discharges such as dust that may affect adjacent site workers, neighbouring residents and the general public;
- Discharges that may affect the environment, in particular surface water, sediment and dust; and
- Inappropriate disposal of surplus soil offsite.

For these 14 sites a works specific SMP will be required to support application for consent under Rule 35 of the BOPRC. We suggest the SMP is based on the requirements of the Transpower generic SMP for the BoP region, but with works specific information around the nature of the works.

5 Conclusions

Based on our review there are 14 sites where a contaminated land consent is required under Rule 35 of the BOPRP. The balance of sites are not considered to require contaminated land related resource consents under the BOPRP.

To ensure best practice is followed, contractors undertaking works on the 29 structures where there has historically been some land modification but no potentially contaminating activities/HAIL activities (refer Table 3.1), should be provided with the Transpower generic SMP.

A works specific SMP will be required to support a resource consent application for the 14 tower sites where consent is required under Rule 35 of the BOPRP.

6 Applicability

This report has been prepared for the exclusive use of our client, Transpower New Zealand Limited, with respect to the particular brief given to us and it may not be relied upon in other contexts or for any other purpose, or by any person other than our client, without our prior written agreement.

Tonkin & Taylor Ltd

Environmental and Engineering Consultants

Report prepared by:

Authorised for Tonkin & Taylor Ltd by:



Rachel Pickett
Contaminated Land Specialist



Shannon Richardson
Project Director

Report certified by a suitably qualified and experienced practitioner as prescribed under the NES Soil Users Guide (April 2012).



Wendi Williamson
Senior Contaminated Land Specialist

rcp

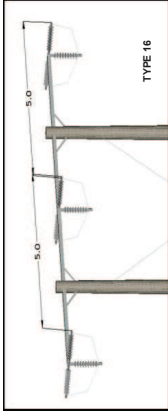
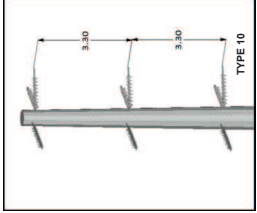
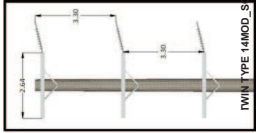
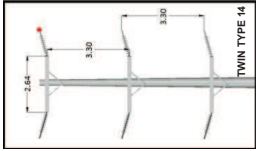
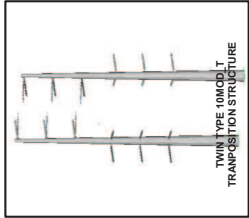
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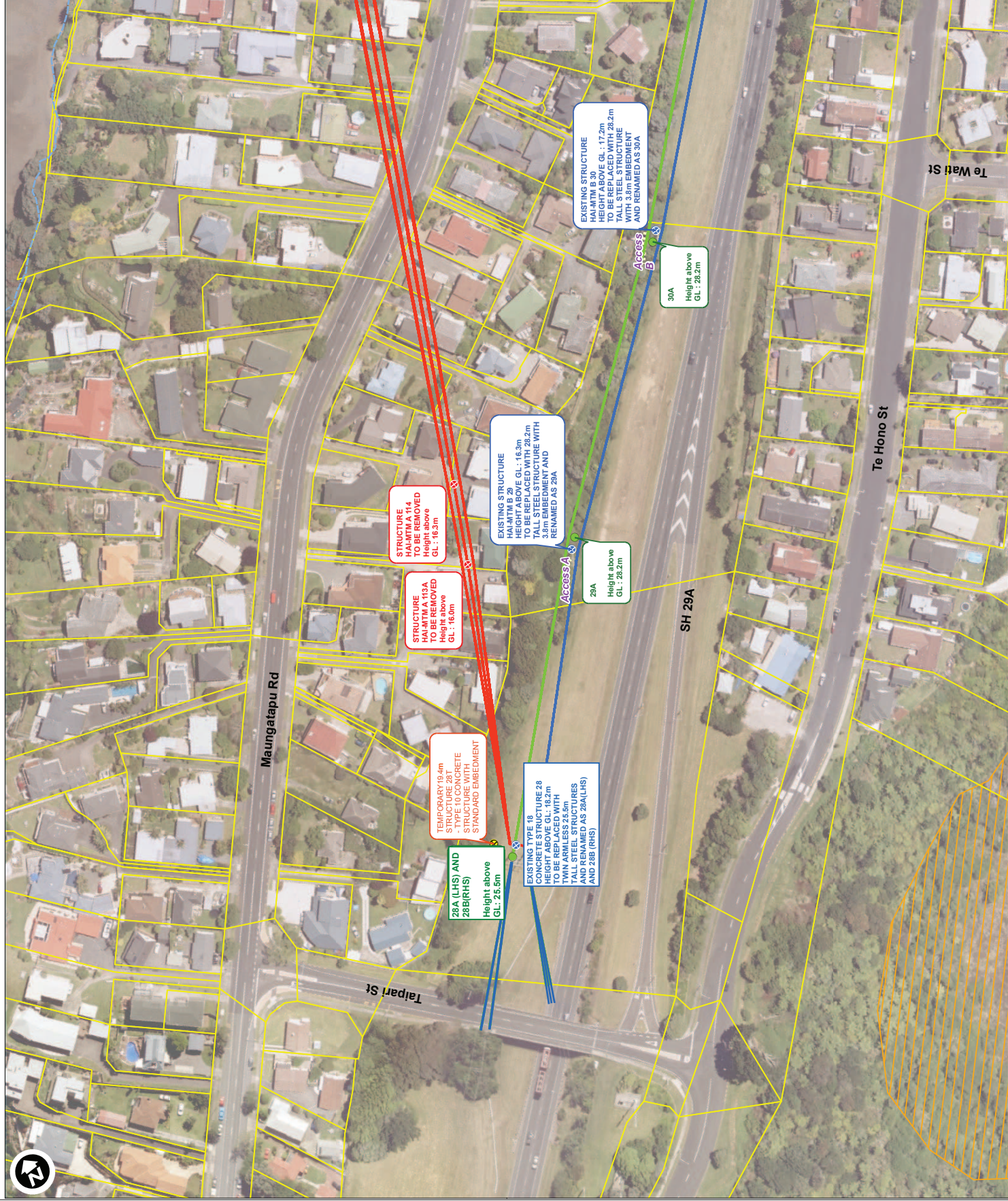
Appendix A: Site Location Plan

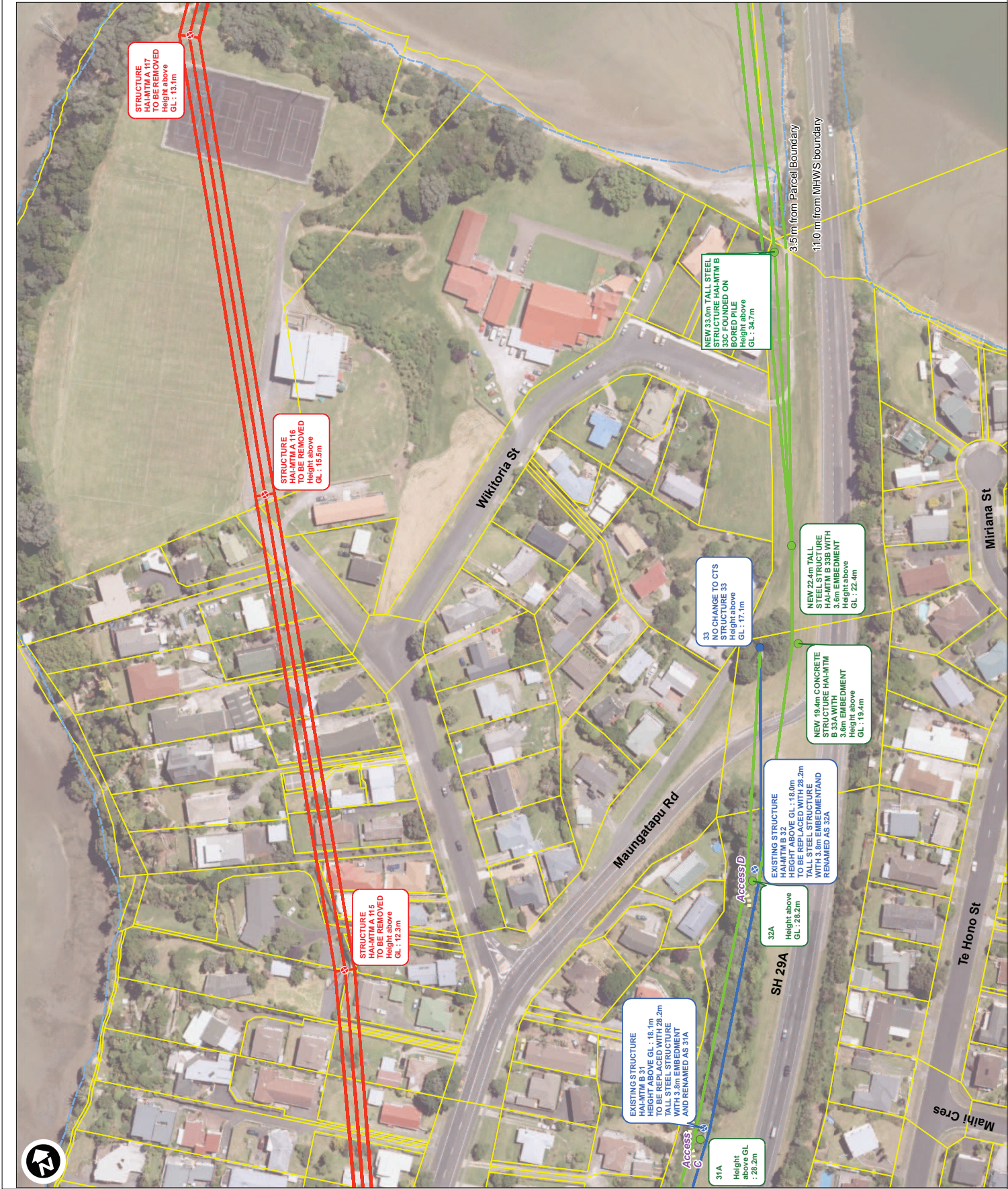
POLE NO	NEW POLE ID	PROPOSED WORK ON POLE	EXISTING POLE COORDINATES			EXISTING POLE HEIGHT ABOVE GL (m)	NEW POLE COORDINATES			NEW POLE HEIGHT ABOVE GL(m)	TYPE	CHANGE IN HEIGHT (m)	STRUCTURE HEIGHT FULLY COMPLIES WITH TAURANGA AIRPORT HEIGHT RESTRICTIONS	RADIAL DISTANCE FROM EXISTING STRUCTURE WHERE APPLICABLE (m)	DESCRIPTION OF WORKS	REQUIRE DEEP INSULATED EARTH
			X	Y	Z		X	Y	Z							
28 (LHS)	28A	TWIN POLE REPLACED WITH TWIN POLE	1880443.5	5820984.3		18.2	1880439.4	5820981.4	53.9	25.5	TWIN TYPE 10MOD_P	7.3	YES	5.0	POLE LENGTH 25.5m, FOUNDATION UPSTAND = 0.5m, STRUCTURE TOTAL HEIGHT ABOVE GL = 26.0m, STRUCTURE HEIGHT ABOVE NSL = 49.3m.	YES
28 (RHS)	28B		1880446.9	5820980.7			1880443.4	5820987.0	53.9							
28T		NEW TEMPORARY POLE					1880436.7	5821001.7	53.9	19.4	TYPE 10		YES		NEW 23m TP150 HS CONCRETE POLE CARRYING BOTH CIRCUITS	NO
29	29A	POLE REPLACEMENT	1880636.7	5821076.4		16.3	1880540.7	5821079.4	55.6	28.2	TYPE 14	11.9	YES	5.0	POLE REPLACED WITH 32m STEEL POLE AND INSTALL SECOND CIRCUIT. NEW POLE MOVED 5m TOWARDS HA1 TO ALLOW FOR INSTALLATION WORKS.	YES
30	30A	POLE REPLACEMENT	1880645.0	5821158.9		17.2	1880641.0	5821155.9	52.3	28.2	TYPE 14	11.0	YES	5.0	POLE REPLACED WITH 32m STEEL POLE AND INSTALL SECOND CIRCUIT. NEW POLE MOVED 5m TOWARDS HA1 TO ALLOW FOR INSTALLATION WORKS.	YES
31	31A	POLE REPLACEMENT	1880735.0	5821237.7		18.1	1880731.2	5821234.4	44.1	28.2	TYPE 14	10.2	YES	5.0	POLE REPLACED WITH 32m STEEL POLE AND INSTALL SECOND CIRCUIT. NEW POLE MOVED 5m TOWARDS HA1 TO ALLOW FOR INSTALLATION WORKS.	YES
32	32A	POLE REPLACEMENT	1880810.7	5821317.5		18.0	1880807.3	5821313.9	41.6	28.2	TYPE 14	10.2	YES	5.0	POLE REPLACED WITH 32m STEEL POLE AND INSTALL SECOND CIRCUIT. NEW POLE MOVED 5m TOWARDS HA1 TO ALLOW FOR INSTALLATION WORKS.	YES
33		NO CHANGE	1880882.0	5821394.7		17.1					CTS	0.0	YES		EXISTING CTS POLE REMAINS UNCHANGED	NO
33A		NEW POLE					1880876.4	5821387.5	38.7	19.4	TYPE 14MOD_SC	19.4	YES		NEW 23m TP150 HS CONCRETE POLE AND SECOND CIRCUIT INSTALLED	YES
33B		NEW POLE					1880895.9	5821423.5	36.3	22.4	TYPE 10	22.4	YES		NEW 26m STEEL POLE CARRYING SINGLE CIRCUIT	YES
33C		NEW POLE					1880895.4	5821531.1	32.8	34.7	TYPE 18MOD_ECS	34.7	YES		POLE LENGTH 33.0m, VERTICAL LINE POST LENGTH = 1.4m, FOUNDATION UPSTAND = 0.3m, STRUCTURE TOTAL HEIGHT ABOVE GL = 34.7m, STRUCTURE HEIGHT ABOVE NSL = 36.5m	YES
33D		NEW POLE					1881249.5	5822129.1	32.2	46.8	TYPE 18MOD_ECS	46.8	YES		POLE LENGTH 46.1m, VERTICAL LINE POST LENGTH = 1.4m, FOUNDATION UPSTAND = 0.3m, STRUCTURE TOTAL HEIGHT ABOVE GL = 46.8m, STRUCTURE HEIGHT ABOVE NSL = 48.5m.	YES
33E		NEW POLE					1881363.7	5822244.1	53.4	24.0	TYPE 10	24.0	YES		INSTALL NEW 24m STEEL POLE CARRYING SINGLE CIRCUIT	YES
34		NO CHANGE	1881275.9	5822127.8		16.8					CTS	0.0	YES		EXISTING CTS POLE REMAINS UNCHANGED	NO
35		NO CHANGE	1881337.2	5822198.1		16.9					TYPE 14MOD_SC	0.0	YES		EXISTING POLE REMAINS UNCHANGED	NO
36		NO CHANGE	1881377.4	5822247.2		16.9					TYPE 14MOD_SC	0.0	YES		EXISTING POLE REMAIN UNCHANGED	NO
37		NO CHANGE	1881435.7	5822294.7		15.6					TYPE 14	0.0	YES		EXISTING POLE WITH 2ND CIRCUIT INSTALLED	YES
38		NO CHANGE	1881509.3	5822326.5		15.6					TYPE 14	0.0	YES		EXISTING POLE WITH 2ND CIRCUIT INSTALLED	YES
	38A	POLE REPLACEMENT	1881594.9	5822358.9		15.6	1881658.6	5822369.0	50.2	19.4	TYPE 14	3.9	YES	64.8	NEW 23m TP150 HS CONCRETE POLE CARRYING BOTH CIRCUITS	YES
39A		NEW POLE					1881658.6	5822369.0	50.2	19.4	TYPE 14	19.4	YES		NEW 23m TP150 HS CONCRETE POLE CARRYING BOTH CIRCUITS	YES
40		NO CHANGE	1881727.5	5822382.1		19.4					TYPE 14	0.0	YES		EXISTING POLE WITH 2ND CIRCUIT INSTALLED	YES
40A		NEW POLE					1881830.3	5822398.4	50.5	19.4	TYPE 14	19.4	YES		NEW 23m TP150 HS CONCRETE POLE CARRYING BOTH CIRCUITS	YES
41		NO CHANGE	1881880.9	5822406.4		16.9					TYPE 14	0.0	YES		EXISTING POLE WITH 2ND CIRCUIT INSTALLED	YES
41A		NEW POLE					1881932.0	5822420.1	50.4	19.4	TYPE 14	19.4	YES		NEW 23m TP150 HS CONCRETE POLE CARRYING BOTH CIRCUITS	YES
42		NO CHANGE	1881978.0	5822433.0		15.6					TYPE 14	0.0	YES		EXISTING POLE WITH 2ND CIRCUIT INSTALLED	YES
42A		NEW POLE					1882022.7	5822450.7	49.5	19.4	TYPE 14	19.4	YES		NEW 23m TP150 HS CONCRETE POLE CARRYING BOTH CIRCUITS	YES
43A	43B	POLE REPLACEMENT	1882089.4	5822499.8		16.9	1882073.8	5822472.3	49.0	19.4	TYPE 14	2.6	YES	5.0	POLE REPLACED WITH 23m TP150 CONCRETE HS POLE AND INSTALL SECOND CIRCUIT. NEW POLE MOVED 5m TOWARDS HA1 TO ALLOW FOR INSTALLATION WORKS.	YES
43C		NEW POLE					1882166.6	5822495.6	48.6	19.4	TYPE 14	19.4	YES		NEW 23m TP150 HS CONCRETE POLE CARRYING BOTH CIRCUITS	YES
44A		NO CHANGE	1882158.1	5822519.0		18.2					TYPE 14	0.0	YES		EXISTING POLE WITH 2ND CIRCUIT INSTALLED	YES
44B		NEW POLE					1882206.9	5822540.7	47.9	19.4	TYPE 14	19.4	YES		NEW 23m TP150 HS CONCRETE POLE CARRYING BOTH CIRCUITS	YES
45		NO CHANGE	1882243.9	5822575.3		18.2					TYPE 14	0.0	YES		EXISTING POLE WITH 2ND CIRCUIT INSTALLED	YES
45A		NEW POLE					1882281.3	5822606.8	47.7	19.4	TYPE 14	19.4	YES		NEW 23m TP150 HS CONCRETE POLE CARRYING SINGLE CIRCUITS	YES
46		NO CHANGE	1882319.9	5822640.6		18.2					TYPE 14	0.0	YES		EXISTING POLE WITH 2ND CIRCUIT INSTALLED	YES
47	47A	POLE REPLACEMENT	1882413.9	5822750.8		19.4	1882403.9	5822741.2	48.1	22.8	TYPE 14	3.4	YES	13.8	POLE REPLACED WITH 26m STEEL POLE AND INSTALL SECOND CIRCUIT. NEW POLE MOVED 13.8m TOWARDS HA1 TO ALLOW FOR INSTALLATION WORKS.	YES
48	48A	POLE REPLACEMENT	1882526.7	5822829.9		19.4	1882510.0	5822827.3	46.1	22.8	TYPE 10	3.4	YES	16.8	POLE 48 REPLACED WITH A 26.0m TALL STEEL POLE, CARRYING ONE CIRCUIT	YES
48B		NEW POLE					1882513.5	5822823.4	46.1	22.8	TYPE 10	22.8	YES		NEW 26m STEEL POLE CARRYING SINGLE CIRCUIT	YES
48A	48C	POLE REPLACEMENT	1882619.2	5822926.5		19.0	1882602.2	5822924.2	43.7	28.7	TYPE 16	9.7	YES	17.5	POLE REPLACED WITH 32.0m STEEL POLE CARRYING BOTH CIRCUITS.	YES
50	48D	POLE REPLACEMENT	1882733.2	5823057.7		15.2	1882674.5	5823024.5	40.9	26.2	TYPE 16	11.0	YES	67.4	POLE REPLACED WITH 30.0m STEEL POLE CARRYING BOTH CIRCUITS.	YES
48E		NEW POLE					1882707.3	5823102.4	38.9	22.8	TYPE 14	22.8	YES		NEW 26m STEEL POLE CARRYING DOUBLE CIRCUIT	YES
51	48F	POLE REPLACEMENT	1882747.3	5823198.8		17.8	1882744.4	5823199.2	36.6	21.8	TYPE 10	4.0	YES	3.0	NEW 26m STEEL POLE CARRYING SINGLE CIRCUIT. -1.0m ADDED IN TO THE STANDARD 3.2m EMBEDMENT BRINGING THE TOTAL EMBEDMENT TO 4.2m	NO
127A		NEW POLE					1882737.0	5823226.1	36.1	19.4	TYPE 16	19.4	YES		NEW TWIN 23m TP150 HS CONCRETE POLE CARRYING SINGLE CIRCUIT	YES
128	128A	POLE REPLACEMENT	1882762.5	5823495.4		12.6	1882751.3	5823492.6	33.4	11.2	TYPE 16	-1.4	YES	3.1	POLE REPLACED WITH 18.5m TP150 CONCRETE HS POLE AND INSTALL SECOND CIRCUIT. NEW POLE MOVED 3m TOWARDS HA1 TO ALLOW FOR INSTALLATION WORKS.	YES
113A		POLE REMOVAL	1880499.0	5821057.8		16.0						-18.0			EXISTING POLE TO BE REMOVED. EXISTING HEIGHT ABOVE GL = 16m	NO
114		POLE REMOVAL	1880514.9	5821127.7		16.3						-16.3			EXISTING POLE TO BE REMOVED. EXISTING HEIGHT ABOVE GL = 16.3m	NO
115		POLE REMOVAL	1880643.9	5821373.2		12.3						-12.3			EXISTING POLE TO BE REMOVED. EXISTING HEIGHT ABOVE GL = 12.3m	NO
116		POLE REMOVAL	1880721.2	5821559.1		15.5						-15.5			EXISTING POLE TO BE REMOVED. EXISTING HEIGHT ABOVE GL = 15.5m	NO
117		POLE REMOVAL	1880796.8	5821757.8		13.1						-13.1			EXISTING POLE TO BE REMOVED. EXISTING HEIGHT ABOVE GL = 13.1m	NO
118		POLE REMOVAL	1881085.7	5822012.8		31.0						-31.0			EXISTING POLE TO BE REMOVED. EXISTING HEIGHT ABOVE GL = 31m	NO

POLE NO	NEW POLE ID	PROPOSED WORK ON POLE	EXISTING POLE COORDINATES		EXISTING POLE HEIGHT ABOVE GL (m)	NEW POLE COORDINATES			NEW POLE HEIGHT ABOVE GL (m)	TYPE	CHANGE IN HEIGHT (m)	STRUCTURE HEIGHT FULLY COMPLIES WITH TAURANGA AIRPORT HEIGHT RESTRICTIONS	RADIAL DISTANCE FROM EXISTING STRUCTURE WHERE APPLICABLE (m)	DESCRIPTION OF WORKS	REQUIRE DEEP INSULATED EARTH
			X	Y		X	Y	Z							
119		POLE REMOVAL	1881398.0	5822310.5	13.1						-13.1			EXISTING POLE TO BE REMOVED. EXISTING HEIGHT ABOVE GL = 13.1m	NO
120		POLE REMOVAL	1881570.1	5822419.6	19.2						-19.2			EXISTING POLE TO BE REMOVED. EXISTING HEIGHT ABOVE GL = 19.2m	NO
121		POLE REMOVAL	1881770.7	5822544.3	16.4						-16.4			EXISTING POLE TO BE REMOVED. EXISTING HEIGHT ABOVE GL = 16.4m	NO
122		POLE REMOVAL	1881894.8	5822647.4	15.0						-15.0			EXISTING POLE TO BE REMOVED. EXISTING HEIGHT ABOVE GL = 15m	NO
123		POLE REMOVAL	1882071.4	5822753.4	15.0						-15.0			EXISTING POLE TO BE REMOVED. EXISTING HEIGHT ABOVE GL = 15m	NO
124		POLE REMOVAL	1882237.7	5822837.7	15.4						-15.4			EXISTING POLE TO BE REMOVED. EXISTING HEIGHT ABOVE GL = 15.4m	NO
125		POLE REMOVAL	1882384.4	5822936.4	13.7						-13.7			EXISTING POLE TO BE REMOVED. EXISTING HEIGHT ABOVE GL = 13.7m	NO
126		POLE REMOVAL	1882552.0	5823035.2	15.6						-15.6			EXISTING POLE TO BE REMOVED. EXISTING HEIGHT ABOVE GL = 15.6m	NO
127		POLE REMOVAL	1882649.4	5823258.4	16.1						-16.1			EXISTING POLE TO BE REMOVED. EXISTING HEIGHT ABOVE GL = 16.1m	NO

NOTE:
1 SHADED CELLS INDICATE EXISTING STRUCTURES REMAINING UNCHANGED.
2 THE HEIGHTS SPECIFIED FOR 33C AND 33D ARE TO THE CONDUCTOR ATTACHMENT POINT AT THE TOP OF THE VERTICAL LINE POST (VLP) INSULATOR FOR THE MID PHASE





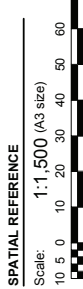


PROJECT
HAI-MTM A RELOCATION
SSR

CLIENT
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- New Structure
- Existing Structure
- Existing Structure - to be replaced
- Existing Structure - to be removed
- Proposed Realignment
- Existing Alignment
- Existing Alignment - to be removed
- Biodiversity Sites
- Mean High Water Springs



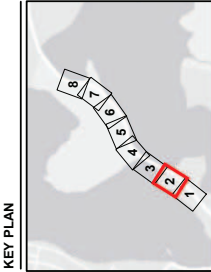
Map features depicted in terms of NZTM 2000 projection.
Data Sources:
Cadastral Boundaries - LINZ NZ Cadastral Database 2016
Note: The MHWS boundary is based on 2007 aerial mapping. It does not necessarily represent the current position.

PROJECT MANAGEMENT

Approved	Colin Thomson	Date	09/06/2017
Checked	Iqbal Kalia	Date	19/06/2017
Designed	Iqbal Kalia	Date	19/06/2017
Drawn	David Kulp	Date	19/06/2017

ISSUE/REVISION

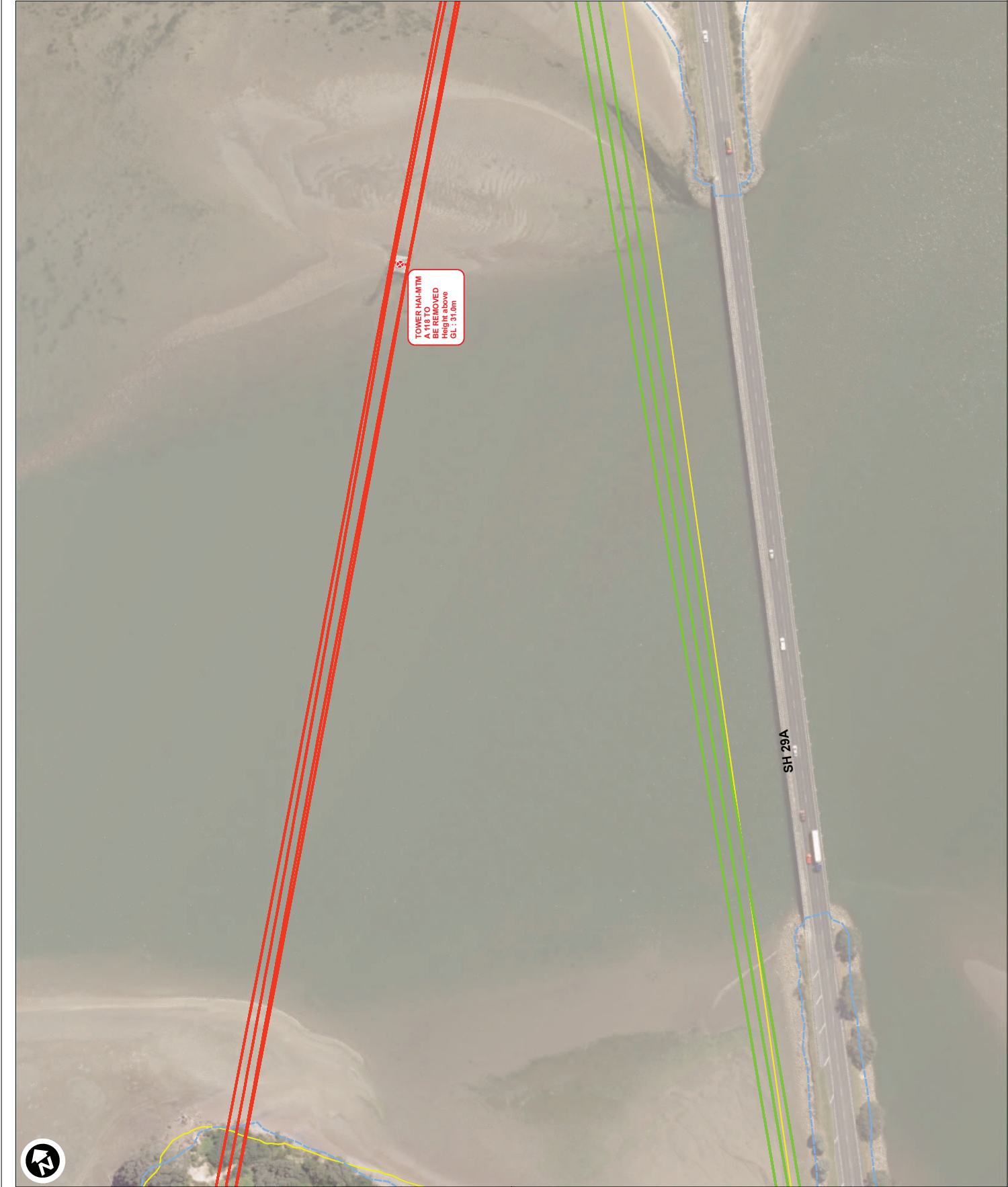
Rev	Date	Description
A2	11.07.17	
A1	15.06.17	
A	18.05.17	



PROJECT NUMBER
60438334

SHEET TITLE
HAI-MTM A & B Modifications
Illustration

MAP NUMBER
60438334 - 2



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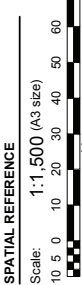


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- Existing Structure
- Existing Structure - to be replaced
- Existing Structure - to be removed
- Proposed Realignment
- Existing Alignment
- Existing Alignment - to be removed
- Biodiversity Sites
- Mean High Water Springs



Map features depicted in terms of NZTM 2000 projection.
Data Sources:
Cadastral Boundaries - LINZ NZ Cadastral Dataset 2016
Note: The MHWS boundary is based on 2007 aerial mapping. It does not necessarily represent the current position.

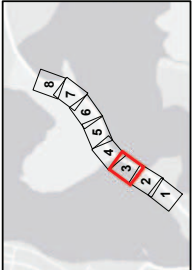
PROJECT MANAGEMENT

Approved	Colin Thomson	Date	09/06/2017
Checked	Iqbal Kalsi	Date	09/06/2017
Designed	Iqbal Kalsi	Date	19/05/2017
Drawn	David Kulp	Date	19/05/2017

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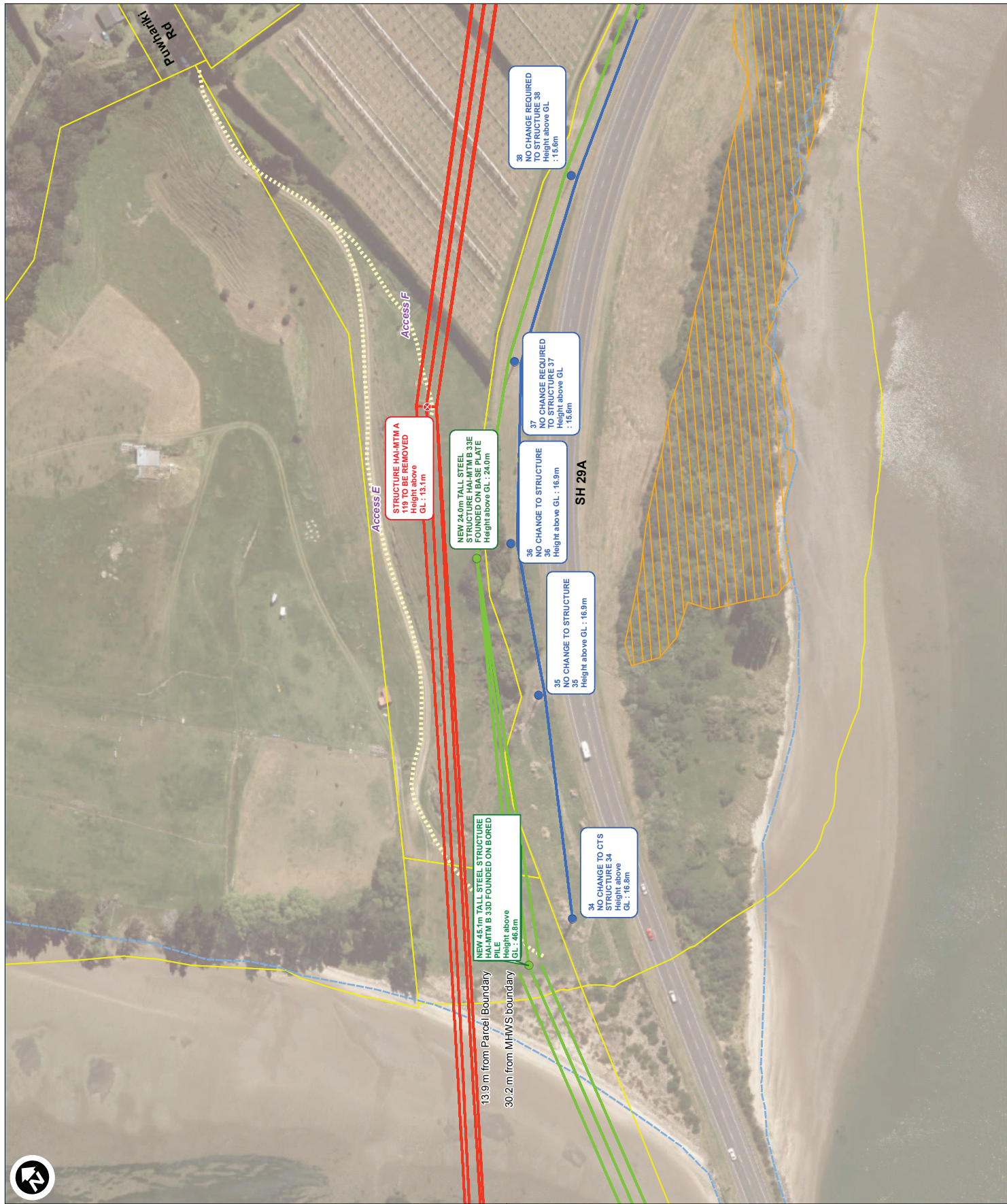
KEY PLAN



PROJECT NUMBER
60438334

SHEET TITLE
HAI-MTM A & B Modifications
Illustration

MAP NUMBER
60438334 - 3



Access F

Access F

SH 29A

STRUCTURE HAI-MTM A
119 TO BE REMOVED
Height above
GL : 13.1 m

NEW 24.0m TALL STEEL
STRUCTURE HAI-MTM B 33E
FOUNDED ON BASE PLATE
Height above GL : 24.0m

NEW 45.1m TALL STEEL STRUCTURE
HAI-MTM B 33D FOUNDED ON BORED
PILE
Height above
1.46 m

13.9 m from Parcel Boundary
30.2 m from MHWS boundary

35 NO CHANGE TO STRUCTURE
35 Height above GL : 16.9m

NO CHANGE TO STRUCTURE
36
Height above GL : 16.9m

**NO CHANGE REQUIRED
TO STRUCTURE 37**
Height above GL
: 15.6m

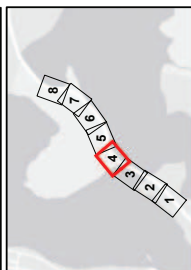
TO STRUCTURE 38
Height above GL
: 15.6m

34 NO CHANGE TO CTS
STRUCTURE 34
Height above
GL : 16.8m

Approved	Collin Thomson	Date	
Checked	Iqbal Kalsi	Date	09/06/2017
Designed	Iqbal Kalsi	Date	18/05/2017
Drawn	David Klap	Date	18/05/2017

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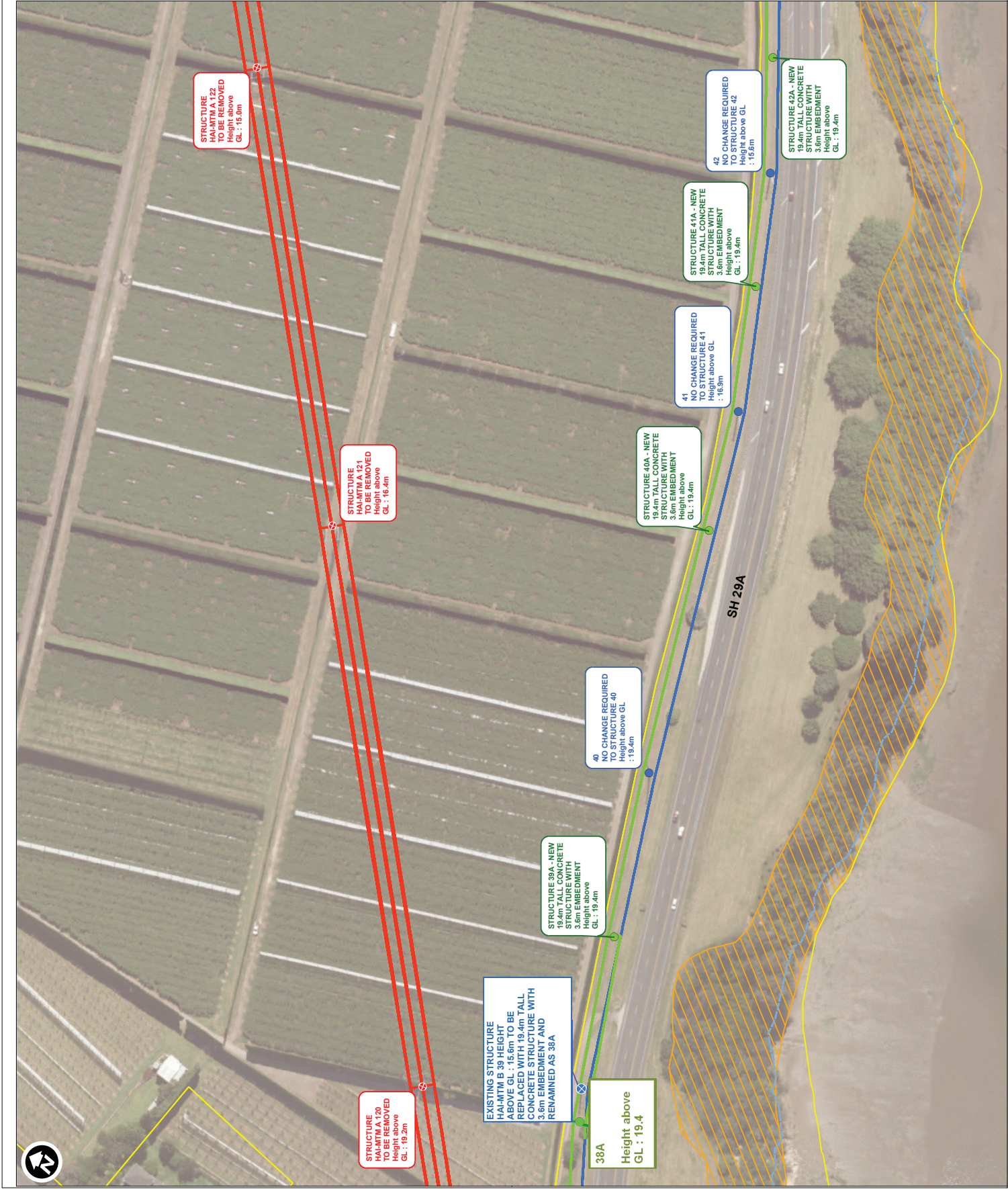


PROJECT NUMBER

SHEET TITLE

HAL-MTM A

MAP NUMBER



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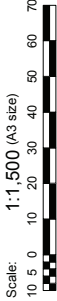
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SPATIAL REFERENCE



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PROJECT MANAGEMENT

Approved	Colin Thomson	Date	09/06/2017
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Designed	Iqbal Kalia	Date	19/05/2017
Drawn	David Kulp	Date	19/05/2017

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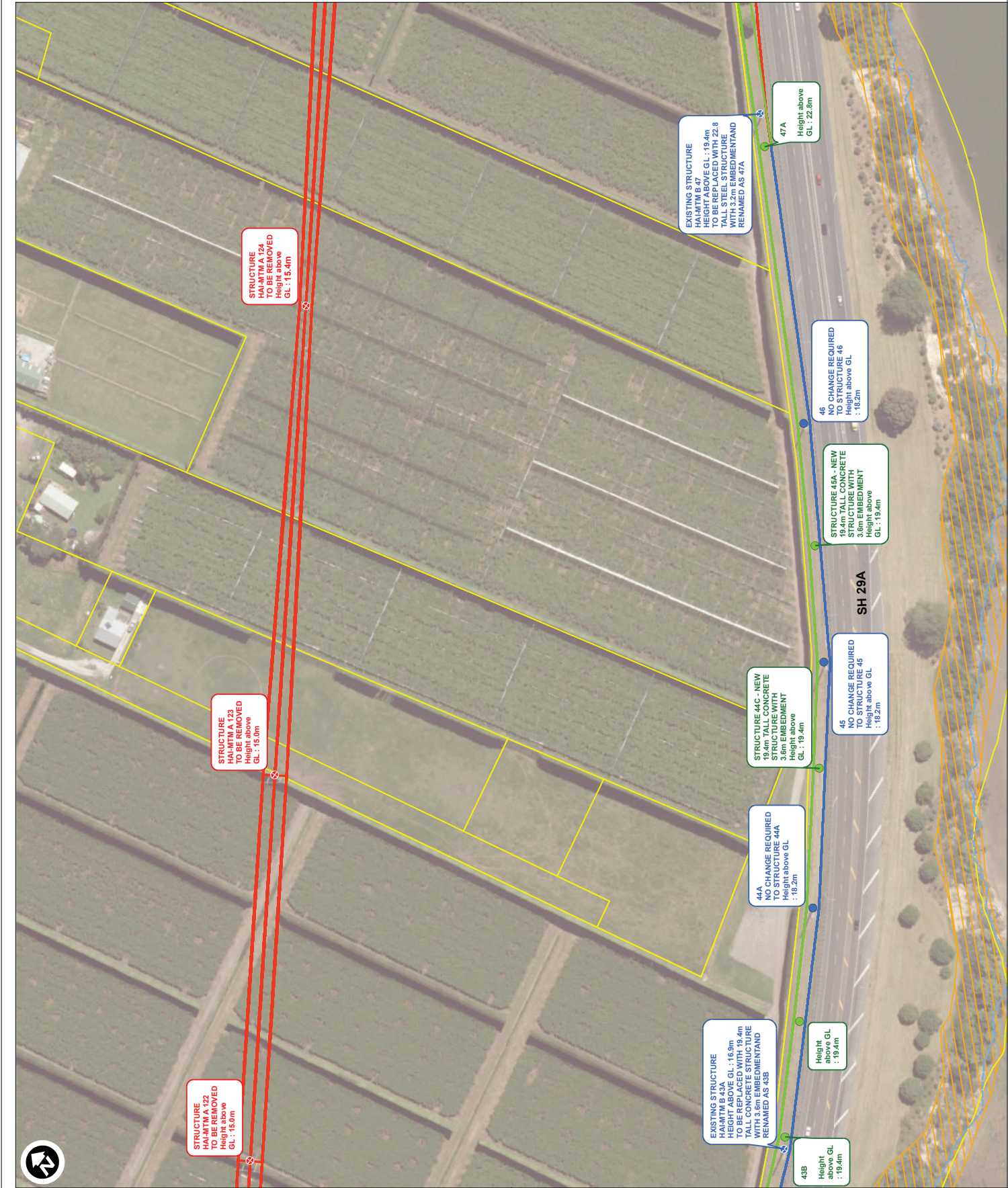
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SHEET TITLE
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Illustration

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SPATIAL REFERENCE
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Meters

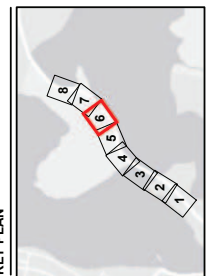
Map features depicted in terms of NZTM 2000 projection.
Data Sources:
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Drawn	David Kulp	Date	19/05/2017

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A	18.05.17	



PROJECT NUMBER
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SHEET TITLE
HAI-MTM A & B Modifications
Illustration

MAP NUMBER
60438334 - 6

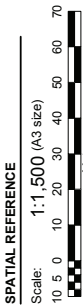


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Map features depicted in terms of NZTM 2000 projection.
Data Sources:
Cadastral Boundaries - LINZ NZ Cadastral Dataset 2016
Note: The MHWS boundary is based on 2007 aerial mapping. It does not necessarily represent the current position.

PROJECT MANAGEMENT

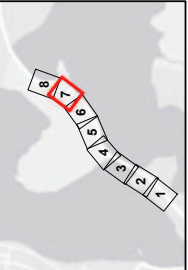
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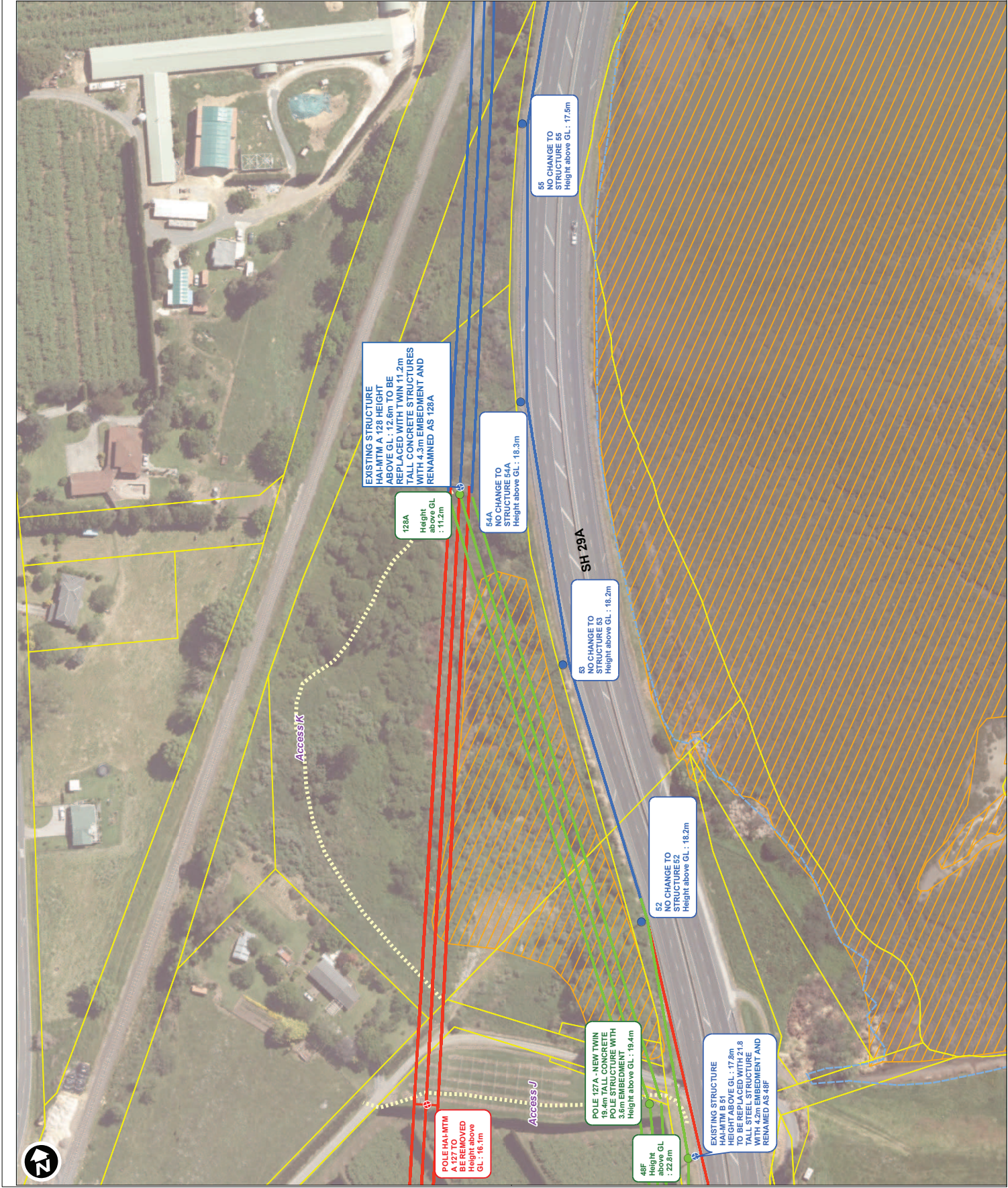
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New Structure

Existing Structure

Existing Structure - to be replaced

Existing Structure - to be removed

Proposed Realignment

Existing Alignment

Existing Alignment - to be removed

Biodiversity Sites

Mean High Water Springs

SPATIAL REFERENCE

Scale: 1:1,500 (A3 size)

10 5 0 10 20 30 40 50 60 70

Meters

Map features depicted in terms of NZTM 2000 projection.

Data Sources:
Cadastral Boundaries - LINZ NZ Cadastral Database 2016
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Drawn	David Kulp	Date	19/05/2017

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PROJECT NUMBER

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MAP NUMBER

60438334 - 8

Appendix B: Summary of historical information

Structure No.	Regional Council	District Council	Legal Description	Title	Land owner	Access track works	Address	Recent use (based on 2017 aerial photograph review)	Aerial Photos	SLUR	Potential for HAIL use	HAIL activity reference (site-wide)	Comments / issues / other information	CONCLUSION - Disturbance of contaminated land (Rule 25)
HAI-MTM A 113A	Bay of Plenty	Tauranga City	Lot 1, DP1 66/021 & 24 Lot 8 DP5 9888 Beleg 951.142	SA 642/283	William Haines & Mahaki Ellis	No	345B Mairangapu Road	Residential	1942 - 1977: cleared land/vacant block. 1977 - present: Residential.	No - does not appear on Selected Land Use Register (Bay of Plenty).	Low	N/A	Minor surface bling/disturbance possible.	No
HAI-MTM A 114	Bay of Plenty	Tauranga City	Lot 1, DP1 41/331 Lot 1 DP5 3252	SA 680/778	Confidential	No	303A Mairangapu Road	Residential	1942 - 1977: cleared land/vacant block. 1977 - present: Residential.	No - does not appear on Selected Land Use Register (Bay of Plenty).	Low	N/A	Minor surface bling/disturbance possible.	No
HAI-MTM A 115	Bay of Plenty	Tauranga City	Lot 1 DP5 116/033 & Lot 1 DP5 12422	SA 602/1334 & SA 607/77	404: Mary Elizabeth Renuit 442: Laila Francis Meyers	No	604 and/or 412 Mairangapu Road	Residential	1942 - present: Residential.	No - does not appear on Selected Land Use Register (Bay of Plenty).	Low	N/A	None.	No
HAI-MTM A 116	Bay of Plenty	Tauranga City	SA 38 492 Mairangapu No 2	508/92	Ariana Waharou, Bonjamin Te Kani, Christine Mairangapu Waharou, Goryk Werocha, Ken Ngatahi, Otiotanga Pihakura, Parane Rawa, Parane Takaka, Rawa Renuit, Tari Maki, Tara Kahau	No	600 Mairangapu Road	Sporting facility (rugby field and tennis courts)	1942: Mostly undeveloped vegetation, some surface levelling in east of site. Pre 1977 - present: Sporting field and tennis court.	No - does not appear on Selected Land Use Register (Bay of Plenty).	Low	N/A	Minor surface bling/disturbance possible, structures not located on sporting fields.	No
HAI-MTM A 117	Bay of Plenty	Tauranga City	SA 38 492 Mairangapu No 2	508/92	Ariana Waharou, Bonjamin Te Kani, Christine Mairangapu Waharou, Goryk Werocha, Ken Ngatahi, Otiotanga Pihakura, Parane Rawa, Parane Takaka, Rawa Renuit, Tari Maki, Tara Kahau	No	600 Mairangapu Road	Sporting facility (rugby field and tennis courts)	1942: Mostly undeveloped vegetation, some surface levelling in east of site. Pre 1977 - present: Sporting field and tennis court.	No - does not appear on Selected Land Use Register (Bay of Plenty).	Low	N/A	Minor surface bling/disturbance possible, structures not located on sporting fields.	No
HAI-MTM A 118	Bay of Plenty	Tauranga City	NA	NA	Crown	SEALED	SEALED	Intervental zone.	SEALED	NA	Low	N/A	Potential to disturb contaminated sediments.	No
HAI-MTM A 119	Bay of Plenty	Tauranga City	Lot 1 DP5 66/021 & Lot 2 DP5 9888 Beleg 951.142	SA 642/286	William Haines & Mahaki Ellis	Yes (Access 1)	30 Pwariwaki Road	Residential	1942 to present: pasture. Horticulture on adjacent lot to east.	Yes - on Selected Land Use Register (Bay of Plenty), file number TGA_206.	Moderate	Persistent pesticide bulk storage and/or use including sports turfs, market gardens, orchards, glass houses or spray sheds.	Potential for spray drift from nearby market gardening. Sampling recommended prior to works.	Yes
HAI-MTM A 120	Bay of Plenty	Tauranga City	Lot 1 DP5 66/021 & Lot 2 DP5 9888 Beleg 951.142	SA 642/286	William Haines & Mahaki Ellis	No	30 Pwariwaki Road	Horticulture (orchard)	1942: No photograph available. 1977: Potential pasture or grain cropping. 1977 - present: Horticulture.	Yes - on Selected Land Use Register (Bay of Plenty), file number TGA_206.	Moderate	Persistent pesticide bulk storage and/or use including sports turfs, market gardens, orchards, glass houses or spray sheds.	Property listed on SLUR. Minor surface disturbance during cropping, spray residue from historical cropping. Sampling recommended prior to works.	Yes
HAI-MTM A 121	Bay of Plenty	Tauranga City	Lot 1 DP5 66/021 & Lot 2 DP5 9888 Beleg 951.142	SA 642/286	William Haines & Mahaki Ellis	No	30 Pwariwaki Road	Horticulture (orchard)	1942: No photograph available. 1977: Potential pasture or grain cropping. 1977 - present: Horticulture.	Yes - on Selected Land Use Register (Bay of Plenty), file number TGA_206.	Moderate	Persistent pesticide bulk storage and/or use including sports turfs, market gardens, orchards, glass houses or spray sheds.	Property listed on SLUR. Minor surface disturbance during cropping, spray residue from historical cropping. Sampling recommended prior to works.	Yes
HAI-MTM A 122	Bay of Plenty	Tauranga City	Lot 1 DP5 66/021 & Lot 2 DP5 9888 Beleg 951.142	SA 642/286	William Haines & Mahaki Ellis	No	30 Pwariwaki Road	Horticulture (orchard)	1942: No photograph available. 1977: Potential pasture or grain cropping. 1977 - present: Horticulture.	Yes - on Selected Land Use Register (Bay of Plenty), file number TGA_206.	Moderate	Persistent pesticide bulk storage and/or use including sports turfs, market gardens, orchards, glass houses or spray sheds.	Property listed on SLUR. Minor surface disturbance during cropping, spray residue from historical cropping. Sampling recommended prior to works.	Yes
HAI-MTM A 123	Bay of Plenty	Tauranga City	Lot 1 DP5 66/021 & Lot 2 DP5 9888 Beleg 951.142	SA 642/286	William Haines & Mahaki Ellis	No	30 Pwariwaki Road	Grassed paddock.	1942: No photograph available. 1977: Potential pasture or grain cropping. 1977 - present: Grass grazing.	Yes - on Selected Land Use Register (Bay of Plenty), file number TGA_206.	Moderate	Persistent pesticide bulk storage and/or use including sports turfs, market gardens, orchards, glass houses or spray sheds.	Property listed on SLUR. Minor surface disturbance during cropping, spray residue from historical cropping. Sampling recommended prior to works.	Yes
HAI-MTM A 124	Bay of Plenty	Tauranga City	Lot 1 DP5 78/029	SA 642/283	Hannah Montgomery Walker & William Walker	No	6335 Mairangapu Rd	Horticulture (orchard)	1942: No photograph available. 1977: Potential pasture or grain cropping. 1977 - present: Horticulture.	No - does not appear on Selected Land Use Register (Bay of Plenty).	Moderate	Persistent pesticide bulk storage and/or use including sports turfs, market gardens, orchards, glass houses or spray sheds.	Land does not appear on SLUR, however ongoing horticulture activity from between 1977-2002 to present. No photograph available. Sampling recommended prior to works.	Yes
HAI-MTM A 125	Bay of Plenty	Tauranga City	Lot 1 DP5 66/021 & Lot 2 DP5 9888 Beleg 951.142	SA 642/286	William Haines & Mahaki Ellis	No	30 Pwariwaki Road	Horticulture (orchard)	1942: No photograph available. 1977: Potential pasture or grain cropping. 1977 - present: Horticulture.	Yes - on Selected Land Use Register (Bay of Plenty), file number TGA_206.	Moderate	Persistent pesticide bulk storage and/or use including sports turfs, market gardens, orchards, glass houses or spray sheds.	Property listed on SLUR. Minor surface disturbance during cropping, spray residue from historical cropping. Sampling recommended prior to works.	Yes
HAI-MTM A 126	Bay of Plenty	Tauranga City	Lot 1 DP5 66/021 & Lot 2 DP5 9888 Beleg 951.142	SA 642/286	William Haines & Mahaki Ellis	No	30 Pwariwaki Road	Horticulture (orchard)	1942: No photograph available. 1977: Potential pasture or grain cropping. 1977 - present: Horticulture.	Yes - on Selected Land Use Register (Bay of Plenty), file number TGA_206.	Moderate	Persistent pesticide bulk storage and/or use including sports turfs, market gardens, orchards, glass houses or spray sheds.	Property listed on SLUR. Minor surface disturbance during cropping, spray residue from historical cropping. Sampling recommended prior to works.	Yes
HAI-MTM A 127	Bay of Plenty	Tauranga City	Lot 1 DP5 66/021 & Lot 2 DP5 9888 Beleg 951.142	SA 642/286	William Haines & Mahaki Ellis	Yes	30 Pwariwaki Road	Horticulture (orchard)	1942: No photograph available. 1977: Potential pasture or grain cropping. 1977 - present: Horticulture.	Yes - on Selected Land Use Register (Bay of Plenty), file number TGA_206.	Moderate	Persistent pesticide bulk storage and/or use including sports turfs, market gardens, orchards, glass houses or spray sheds.	Property listed on SLUR. Minor surface disturbance during cropping, spray residue from historical cropping. Sampling recommended prior to works.	Yes
HAI-MTM B 127A	Bay of Plenty	Tauranga City	Lot 1 DP5 66/021 & Lot 2 DP5 9888 Beleg 951.142	SA 642/286	William Haines & Mahaki Ellis	Yes (Access 1)	30 Pwariwaki Road	Horticulture	1942: No photograph available. 1977: Potential pasture or grain cropping. 1977 - present: Horticulture.	Yes - on Selected Land Use Register (Bay of Plenty), file number TGA_206.	Moderate	Persistent pesticide bulk storage and/or use including sports turfs, market gardens, orchards, glass houses or spray sheds.	Property listed on SLUR. Minor surface disturbance during cropping, spray residue from historical cropping. Sampling recommended prior to works.	Yes
HAI-MTM B 128	Bay of Plenty	Tauranga City	PT 20 M 99/024 & PT 20 M 99/024 Ohia Bk X Tauranga SD	450/875	Matawhiri Ohia Trust	Yes (Access 1)	3453 State Highway 2 South	Remnant (vegetation)	1942: No photograph available. 1977: present: Natural vegetation.	No - does not appear on Selected Land Use Register (Bay of Plenty).	Low	N/A	None.	No

Structure No.	Regional Council	District Council	Legal Description	Title	Land owner	Access track works	Address	Recent use (based on 2017 aerial photograph review)	Aerial Photos	SLUR	Potential for HAIL use	HAIL activity reference (81c-wide)	Comments / Issues / other information	CONCLUSION - Disburser of contaminated land (Rule 35) consent required
HAI-MTM B 28A	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve	Road reserve	1543: Pasture. 1977: Area possibly cut for easement. No structures visible. Surrounding and residential development. 1997 - present: Highway roadside reserve, disturbed ground.	NK	Negligible	N/A	Potential disturbed natural material (overburden from construction of State Highway 29A). Previous use pasture.	No
HAI-MTM B 29A	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve	Road reserve	1543: Pasture. 1977: Area possibly cut for easement. No structures visible. Surrounding and residential development. 1997 - present: Highway roadside reserve, disturbed ground.	NK	Negligible	N/A	Potential disturbed natural material (overburden from construction of State Highway 29A). Previous use pasture.	No
HAI-MTM B 30A	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve	Road reserve	1543: Pasture. 1977: Area possibly cut for easement. No structures visible. Surrounding and residential development. 1997 - present: Highway roadside reserve, disturbed ground.	NK	Negligible	N/A	Potential disturbed natural material (overburden from construction of State Highway 29A). Previous use pasture.	No
HAI-MTM B 31A	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve	Road reserve	1543: Pasture. 1977: Area possibly cut for easement. No structures visible. Surrounding and residential development. 1997 - present: Highway roadside reserve, disturbed ground. Structure among planted trees (revegetation between 1977 and 1992).	NK	Negligible	N/A	Potential disturbed natural material (overburden from construction of State Highway 29A). Previous use pasture.	No
HAI-MTM B 32A	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve	Road reserve	1543: Pasture. 1977: Area possibly cut for easement. No structures visible. Surrounding and residential development. 1997 - present: Highway roadside reserve, disturbed ground. Structure among planted trees (revegetation between 1977 and 1992).	NK	Negligible	N/A	Potential disturbed natural material (overburden from construction of State Highway 29A). Previous use pasture.	No
HAI-MTM B 33A	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve	Road reserve	1543: Pasture. 1977: Area possibly cut for easement. No structures visible. Surrounding and residential development. 1997 - present: Highway roadside reserve, disturbed ground.	NK	Negligible	N/A	Potential disturbed natural material (overburden from construction of State Highway 29A). Previous use pasture.	No
HAI-MTM B 33B	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve	Road reserve	1543: Pasture. 1977: Area possibly cut for easement. No structures visible. Surrounding and residential development. 1997 - present: Highway roadside reserve, disturbed ground.	NK	Negligible	N/A	Potential disturbed natural material (overburden from construction of State Highway 29A). Previous use pasture.	No
HAI-MTM B 33C	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve	Road reserve	1540: Reserve along creek line. 1977: Adjacent to new bridge. 1997 - 2007: Roadway access to water next to bridge. 2017: Easement upgraded.	NK	Low	N/A	Potential disturbed natural material (overburden from construction of State Highway 29A). Previous use pasture.	No
HAI-MTM B 33D	Bay of Plenty	Tauranga City	PT 11 NGAO No 1 Bk. 6 Fairways SD	456072	Marapah Chalk Trustees	Yes (Access 1)	2001 State Highway 2 South	North - horse paddock. 2007 to current: Horse paddock.	1543 to 2007: Pasture. 2007 to current: Horse paddock.	NK	Low	N/A	None.	No
HAI-MTM B 33E	Bay of Plenty	Tauranga City	Lot 1 DP5 66231 & Lot 2 DP56551 & PT 164H Tauranga SD	54537295	William Hamond & Mahua Eke	No	19 Puhariki Road	North - grazing/paddock.	1543: present: pasture.	Yes - on Selected Land Use Register (Bay of Plenty), file number TGA_206.	Low - moderate	N/A	Located directly adjacent to horticultural land use, potential for spray drift and listed on SLUR	Yes
HAI-MTM B 36A	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve	Road reserve	1543: No photograph available. 1977 present: Roadside reserve.	NK	Low	N/A	Potential disturbed natural material (overburden from construction of State Highway 29A). Previous use pasture. However, no structures visible, and no potential for large hydrogens bordering cropping and drift likely to be minimal.	No
HAI-MTM B 39	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve	Road reserve	1543: No photograph available. 1977 present: Roadside reserve.	NK	Low	N/A	Potential disturbed natural material (overburden from construction of State Highway 29A). Previous use pasture. However, no structures visible, and no potential for large hydrogens bordering cropping and drift likely to be minimal.	No
HAI-MTM B 39A	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve	Road reserve	1543: No photograph available. 1977 present: Roadside reserve.	NK	Low	N/A	Potential disturbed natural material (overburden from construction of State Highway 29A). Previous use pasture. However, no structures visible, and no potential for large hydrogens bordering cropping and drift likely to be minimal.	No
HAI-MTM B 40A	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve	Road reserve	1543: No photograph available. 1977 present: Roadside reserve.	NK	Low	N/A	Potential disturbed natural material (overburden from construction of State Highway 29A). Previous use pasture. However, no structures visible, and no potential for large hydrogens bordering cropping and drift likely to be minimal.	No
HAI-MTM B 41A	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve	Road reserve	1543: No photograph available. 1977 present: Roadside reserve.	NK	Low	N/A	Potential disturbed natural material (overburden from construction of State Highway 29A). Previous use pasture. However, no structures visible, and no potential for large hydrogens bordering cropping and drift likely to be minimal.	No
HAI-MTM B 42A	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve	Road reserve	1543: No photograph available. 1977 present: Roadside reserve.	NK	Low	N/A	Potential disturbed natural material (overburden from construction of State Highway 29A). Previous use pasture. However, no structures visible, and no potential for large hydrogens bordering cropping and drift likely to be minimal.	No
HAI-MTM B 43A	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve	Road reserve	1543: No photograph available. 1977 present: Roadside reserve.	NK	Low	N/A	Potential disturbed natural material (overburden from construction of State Highway 29A). Previous use pasture. However, no structures visible, and no potential for large hydrogens bordering cropping and drift likely to be minimal.	No

Structure No.	Regional Council	District Council	Legal Description	Title	Land owner	Access track works	Address	Recent use (based on 2017 aerial photograph review)	Aerial Photos	SLUR	Potential for HAI use	HAI activity reference (site-wide)	Comments / Issues / other information	CONCLUSION - Disturbance of contaminated land (Rule 35) consent required
HAI-MTM B 43B	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve		1943: No photograph available. 1977 present: Roadside reserve.	NK	Low	N/A	Potential disturbed natural materials/overburden from construction of State Highway 29A. Previous use pasture. Some potential for spray drift from adjacent site, however large hedgerows bordering cropping and drift likely to be minimal.	No
HAI-MTM B 44C	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve		1943: No photograph available. 1977 present: Roadside reserve.	NK	Low	N/A	Potential disturbed natural materials/overburden from construction of State Highway 29A. Previous use pasture. Some potential for spray drift from adjacent site, however large hedgerows bordering cropping and drift likely to be minimal.	No
HAI-MTM B 45A	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve		1943: No photograph available. 1977 present: Roadside reserve.	NK	Low	N/A	Potential disturbed natural materials/overburden from construction of State Highway 29A. Previous use pasture. Some potential for spray drift from adjacent site, however large hedgerows bordering cropping and drift likely to be minimal.	No
HAI-MTM B 47	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve		1943: No photograph available. 1977 present: Roadside reserve.	NK	Low	N/A	Potential disturbed natural materials/overburden from construction of State Highway 29A. Previous use pasture. Some potential for spray drift from adjacent site, however large hedgerows bordering cropping and drift likely to be minimal.	No
HAI-MTM B 47A	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve		1943: No photograph available. 1977 present: Roadside reserve.	NK	Low	N/A	Potential disturbed natural materials/overburden from construction of State Highway 29A. Previous use pasture. Some potential for spray drift from adjacent site, however large hedgerows bordering cropping and drift likely to be minimal.	No
HAI-MTM B 48	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve		1943: No photograph available. 1977 present: Roadside reserve.	NK	Low	N/A	Potential disturbed natural materials/overburden from construction of State Highway 29A. Previous use pasture. Some potential for spray drift from adjacent site, however large hedgerows bordering cropping and drift likely to be minimal.	No
HAI-MTM B 48A	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve		1943: No photograph available. 1977 present: Roadside reserve.	NK	Low	N/A	Potential disturbed natural materials/overburden from construction of State Highway 29A. Previous use pasture. Some potential for spray drift from adjacent site, however large hedgerows bordering cropping and drift likely to be minimal.	No
HAI-MTM B 48B	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve		1943: No photograph available. 1977 present: Roadside reserve.	NK	Low	N/A	Potential disturbed natural materials/overburden from construction of State Highway 29A. Previous use pasture. Some potential for spray drift from adjacent site, however large hedgerows bordering cropping and drift likely to be minimal.	No
HAI-MTM B 48C	Bay of Plenty	Tauranga City	Lot 1 DP5/6523 & Lot 2 DP5/6523 & PT NGAU (Vukaring)	SA/52/296	William Rameo & Mahaki Ellis	Yes (Access G)	19 Puwhaka Road	Horticulture	1943: No photograph available. 1977 Potential pasture or grass cropping. 1977 present: Horticulture.	Yes - on Selected and Use Register (Bay of Plenty), file number LDA_206.	Moderate	Persistent pesticide bulk storage and/or use including sports turfs, market gardens, orchards, glass houses or spray sheds.	Yes	
HAI-MTM B 48D	Bay of Plenty	Tauranga City	Lot 1 DP5/6523 & Lot 2 DP5/6523 & PT NGAU (Vukaring)	SA/52/296	William Rameo & Mahaki Ellis	Yes (Access H)	19 Puwhaka Road	Horticulture	1943: No photograph available. 1977 Potential pasture or grass cropping. 1977 present: Horticulture.	Yes - on Selected and Use Register (Bay of Plenty), file number LDA_206.	Moderate	Persistent pesticide bulk storage and/or use including sports turfs, market gardens, orchards, glass houses or spray sheds.	Yes	
HAI-MTM B 48E	Bay of Plenty	Tauranga City	Lot 1 DP5/6523 & Lot 2 DP5/6523 & PT NGAU (Vukaring)	SA/52/296	William Rameo & Mahaki Ellis	Yes (Access I)	19 Puwhaka Road	Horticulture	1943: No photograph available. 1977 Potential pasture or grass cropping. 1977 present: Horticulture.	Yes - on Selected and Use Register (Bay of Plenty), file number LDA_206.	Moderate	Persistent pesticide bulk storage and/or use including sports turfs, market gardens, orchards, glass houses or spray sheds.	Yes	
HAI-MTM B 51	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve		1943: No photograph available. 1977 present: Roadside reserve.	NK	Low	N/A	Potential disturbed natural materials/overburden from construction of State Highway 29A. Previous use pasture. Some potential for spray drift from adjacent site, however large hedgerows bordering cropping and drift likely to be minimal.	No
HAI-MTM B 50A	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve		1943: No photograph available. 1977 present: Roadside reserve.	NK	Low	N/A	Potential disturbed natural materials/overburden from construction of State Highway 29A. Previous use pasture. Some potential for spray drift from adjacent site, however large hedgerows bordering cropping and drift likely to be minimal.	No
HAI-MTM B 50	Bay of Plenty	Tauranga City	NK	NK	New Zealand Transport Agency	No	State Highway 29A road reserve		1943: No photograph available. 1977 present: Roadside reserve.	NK	Low	N/A	Potential disturbed natural materials/overburden from construction of State Highway 29A. Previous use pasture. Some potential for spray drift from adjacent site, however large hedgerows bordering cropping and drift likely to be minimal.	No

Notes:

Structure numbers based on plans HAI-MTM A Relocation SSR Revision A2, dated 11-Jul-2017

NK: Not known

N/A: Not applicable

Legend

Consent not required under Rule 35 BOPRP

Restricted Discretionary Activity consent required (Rule 35 BOPRP)

Appendix C: Additional information

- Site contamination enquiry

Your Ref:
Our Ref: TGA_706



23 June 2017

James Allison
Tonkin & Taylor
105 Carlton Gore Road
Auckland

Sent via e-mail attachment

Dear James

Site contamination enquiry – 19 Puwhariki Road, Tauranga

In response to your enquiry regarding the above site, the Bay of Plenty Regional Council advises that it holds information on the Selected Land Use Register relating to Hazardous Activities and Industry List (HAIL) activity. The file number is TGA_706.

We recommend you also contact the Tauranga City Council, which may hold additional information about this site that we are unaware of.

If you wish to discuss the matter further, please contact me on 0800 884 881 extension 9453.

Yours faithfully

A handwritten signature in blue ink, appearing to read "Emma Joss".

Emma Joss
Regulatory Compliance Team Leader
for Group Manager Regulatory Services

Objective ID:

Val Ref: 6620 14000

Lot: LOT 1 DPS 66521 & LOT 2 DPS 66521 & PT NGAI TUKAIRANGI 2 ML 22128, PT NGAI T

Address: 369R Matapihi Rd

Town: Mount Maunganui

Land Use Details

Category: Landuse Information - Verified Site History

HAIL Land Use: *Persistent Pesticide Bulk Storage Or Use Including
Sport Turfs, Market Gardens, Orchards, Glass Houses
Or Spray Sheds*

Records show this site was used as a Persistent Pesticide Bulk Storage Or Use Including Sport Turfs, Market Gardens, Orchards, Glass Houses Or Spray Sheds site over an unknown period.

Other Information

March 2015: A review of the aerial photographs from 2003, 2007 and 2011 has confirmed an orchard is located on this property, where persistent pesticides have been stored or used.

The enclosed information is derived from the Tauranga City Council and Bay of Plenty Regional Council's Selected Land Use Register and is made available to you under the Local Government Official Information and Meetings Act 1987, Building Act 1991 or Privacy Act 1993.

The database has been established by the Tauranga City Council and Bay of Plenty Regional Council for the purpose of performing its functions under the Resource Management Act 1991.

It has been compiled in accordance with national Site Classification and Information Management Protocols for Land Contamination.

This information reflects the Tauranga City Council and Bay of Plenty Regional Councils current understanding of this site. The Tauranga City Council and Bay of Plenty Regional Councils and their officers, employees and agents accept no liability for any inaccuracy in, or omission from, this information or liability for any loss or damage suffered by any person which may directly or indirectly result from any person acting or refraining from acting on this information. This information has been prepared for the recipient to whom it is addressed and is intended for that recipient's use only. It is not intended to be relied on by any other party. The provisions of the Privacy Act 1993 bind the recipient of this information.

This record was updated on 17 Mar 2015.

Your Ref:
Our Ref: 4.01104



23 June 2017

James Allison
Tonkin & Taylor
105 Carlton Gore Road
Auckland

Sent via e-mail attachment

Dear James

Site contamination enquiry – 345, 353A, 404 & 412 Maungatapu Road and 2900L and 5043L State Highway 2 South, Tauranga

In response to your enquiry regarding the above sites, we advise that we were unable to locate any information on our register regarding Hazardous Activities and Industry List (HAIL) activity or contamination.

A HAIL activity is a past or present activity occurring on site that has the potential to cause contamination (e.g. service station, timber treatment site, horticultural site, automotive dismantlers etc). The list of HAIL activities was compiled by the Ministry for the Environment (MfE). Please view their web site for further information.

The Bay of Plenty Regional Council has not yet assessed every site in the region where a hazardous activity is, or has taken place. Therefore there is a possibility that a HAIL activity may have occurred or is occurring on the site.

If you are concerned that a HAIL activity may have taken place, the cautious way to proceed would be to undertake an independent audit of the site.

We recommend you also contact the Tauranga City Council, which may hold additional information about this site that we are unaware of.

If you wish to discuss the matter further, please contact me on 0800 884 881 extension 9453.

Yours faithfully

Emma Joss
Regulatory Compliance Team Leader
for Group Manager Regulatory Services

Objective ID: