

DRWG No.	DRAWING TITLE
CN-001	CONSTRUCTION NOISE CONSTRUCTION NOISE RISK AREAS - DRAWING INDEX, NOTES AND LEGEND
CN-100	CONSTRUCTION NOISE RISK AREAS - SHEET LAYOUT
CN-101	CONSTRUCTION NOISE RISK AREAS - SHEET 1 OF 17
CN-102	CONSTRUCTION NOISE RISK AREAS - SHEET 2 OF 17
CN-103	CONSTRUCTION NOISE RISK AREAS - SHEET 3 OF 17
CN-104	CONSTRUCTION NOISE RISK AREAS - SHEET 4 OF 17
CN-105	CONSTRUCTION NOISE RISK AREAS - SHEET 5 OF 17
CN-106	CONSTRUCTION NOISE RISK AREAS - SHEET 6 OF 17
CN-107	CONSTRUCTION NOISE RISK AREAS - SHEET 7 OF 17
CN-108	CONSTRUCTION NOISE RISK AREAS - SHEET 8 OF 17
CN-109	CONSTRUCTION NOISE RISK AREAS - SHEET 9 OF 17
CN-110	CONSTRUCTION NOISE RISK AREAS - SHEET 10 OF 17
CN-111	CONSTRUCTION NOISE RISK AREAS - SHEET 11 OF 17
CN-112	CONSTRUCTION NOISE RISK AREAS - SHEET 12 OF 17
CN-113	CONSTRUCTION NOISE RISK AREAS - SHEET 13 OF 17
CN-114	CONSTRUCTION NOISE RISK AREAS - SHEET 14 OF 17
CN-115	CONSTRUCTION NOISE RISK AREAS - SHEET 15 OF 17
CN-116	CONSTRUCTION NOISE RISK AREAS - SHEET 16 OF 17
CN-117	CONSTRUCTION NOISE RISK AREAS - SHEET 17 OF 17

GENERAL NOTES

1. ALL MEASUREMENTS ARE IN METRES UNLESS OTHERWISE STATED.
2. ALL NAMED ROADS SHALL BE ASSUMED TO BE PUBLIC UNLESS STATED OTHERWISE.
3. AERIAL IMAGE FROM AUCKLAND COUNCIL AERIAL SURVEY, 2012.
4. DIGITAL TERRAIN MODEL DERIVED FROM AERIAL PHOTOGRAMETRIC SURVEY (MARCH 2010) TO NZTM PROJECTION.
5. EXISTING PROPERTY BOUNDARIES SOURCED FROM LINZ, APRIL 2013 UPDATE.

GENERAL LEGEND

PROPOSED DESIGNATION  
BOUNDARY

ROAD PLAN

CONTROL LINE AND CHAINAGE

CUT SLOPES

INDICATIVE ROAD ALIGNMENT

FILL SLOPES

SL 12 SPOIL DISPOSAL SITE

SL 12A LANDSCAPE FILL

EXISTING FEATURES

STATE HIGHWAY

EXISTING PROPERTY  
BOUNDARIES

EXISTING CONTOURS  
(10m INTERVALS)

KEY ENVIRONMENTAL &  
HISTORICAL CONSTRAINTS

INDICATIVE CONSTRUCTION NOISE RISK AREAS  
(REFER TO CONSTRUCTION NOISE RISK AREA  
NOTE 1)

PAVING

EARTHWORKS

VIADUCTS

CONSTRUCTION YARD

PRECAST YARD

ROCK BREAKING / CRUSHING

BLASTING

CONSTRUCTION NOISE RISK AREA NOTE

1. BOUNDARIES OF CONSTRUCTION NOISE AREAS SHOWN AT COMPLIANCE WITH DAY-TIME LIMIT (70 dB L<sub>A,eq</sub>) WITHOUT NOISE BARRIERS. REFER TO TABLE BELOW.

CONSTRUCTION NOISE EFFECTS DISTANCES		
ACTIVITY	ACTIVITY SOUND POWER LEVEL (dB L <sub>AW,eq</sub> )	DISTANCE BEYOND WHICH COMPLIANCE WITH DAY-TIME LIMIT (70 dB L <sub>A,eq</sub> ) IS ACHIEVED WITHOUT NOISE BARRIERS (METERS)
BULK EARTHWORKS / GROUND IMPROVEMENT / RETAINMENT POND EXCAVATION / HAUL ROAD / SPOIL DISPOSAL	118	65
ROCK BREAKING / CRUSHING	120	75
STRUCTURES PILING / FOUNDATIONS	110	30
VIADUCT CONSTRUCTION	110	30
PAVEMENT CONSTRUCTION	110	30
PRECAST YARD	115	50
STAGING AREA CONSTRUCTION YARD	100	10
BLASTING	12 Kg CHARGE WEIGHT ASSUMED	160

0	30/08/13	GW	MW	TI	ISSUE FOR NOR / CONSENT
AMD	DATE	DESIGN REVIEW	REVD D. MGR	APPD A. MGR	PURPOSE OF ISSUE / AMENDMENT



DISCLAIMER  
The information shown on this drawing is solely for the purposes of supporting RMA applications for statutory approvals. All information shown is subject to review for compliance with approved consents and the outcomes of final design.

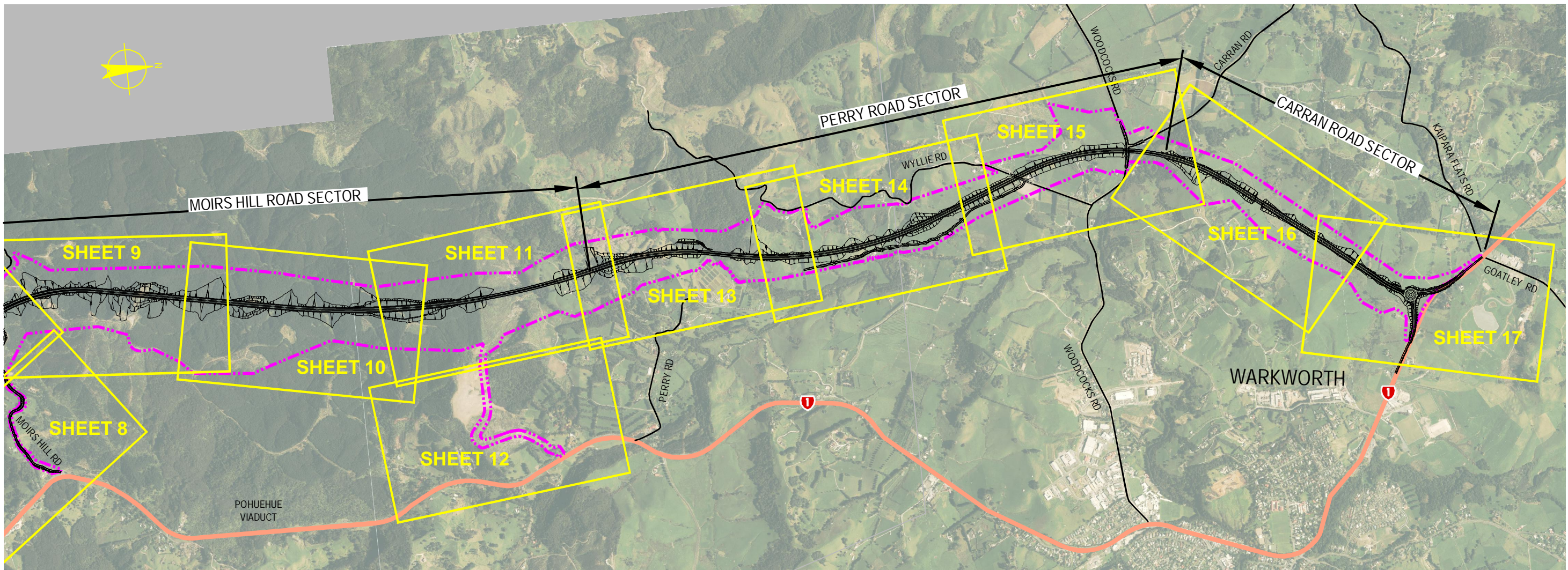
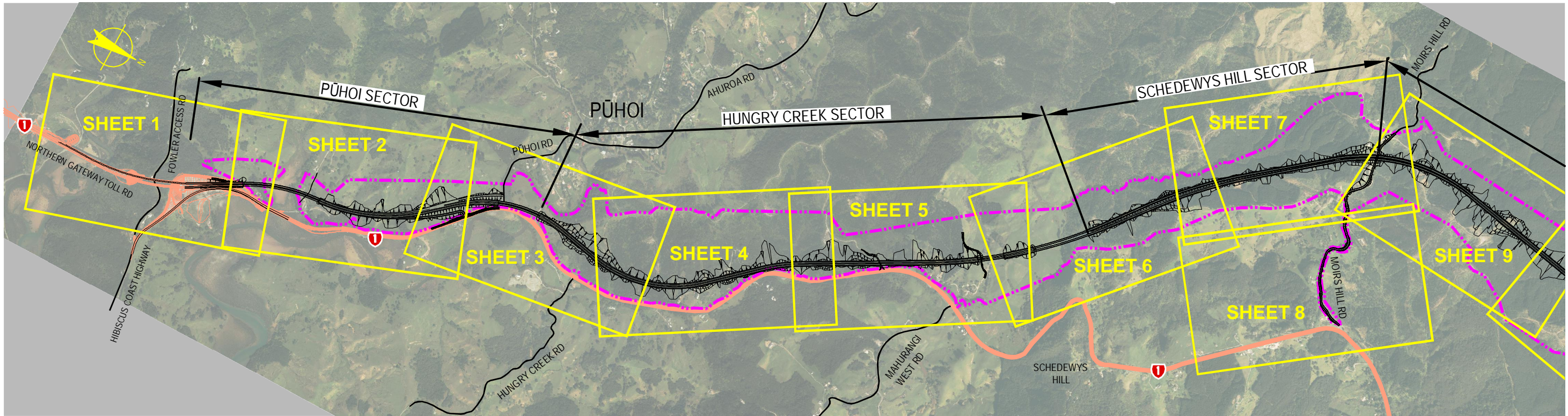
ARA TŪHONO - PŪHOI TO WELLSFORD			
PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN SNP	DRAFTING CHECK SW	REVIEWED DISCIPLINE MANAGER	APPROVED ALLIANCE MANAGER
DESIGNED SW	DESIGN REVIEW GW	MW	TI

CONSTRUCTION NOISE RISK AREAS  
DRAWING INDEX, NOTES AND LEGEND

SCALE NOT TO SCALE	CONTRACT No PA3748	DRAWING No CN-001	AMDT 0
-----------------------	-----------------------	----------------------	-----------



S:\Further North - PAA\3300 Design\3300.5 Technical\01-Drawing Production\CADD Drawings\CN-100.dwg Plot Date: 15 August, 2013 - 9:45 AM



0	30/08/13	GW	MW	TI	ISSUE FOR NOR / CONSENT
AMD	DATE	DESIGN REVIEW	REVD. D. MGR	APPD. A. MGR	PURPOSE OF ISSUE / AMENDMENT



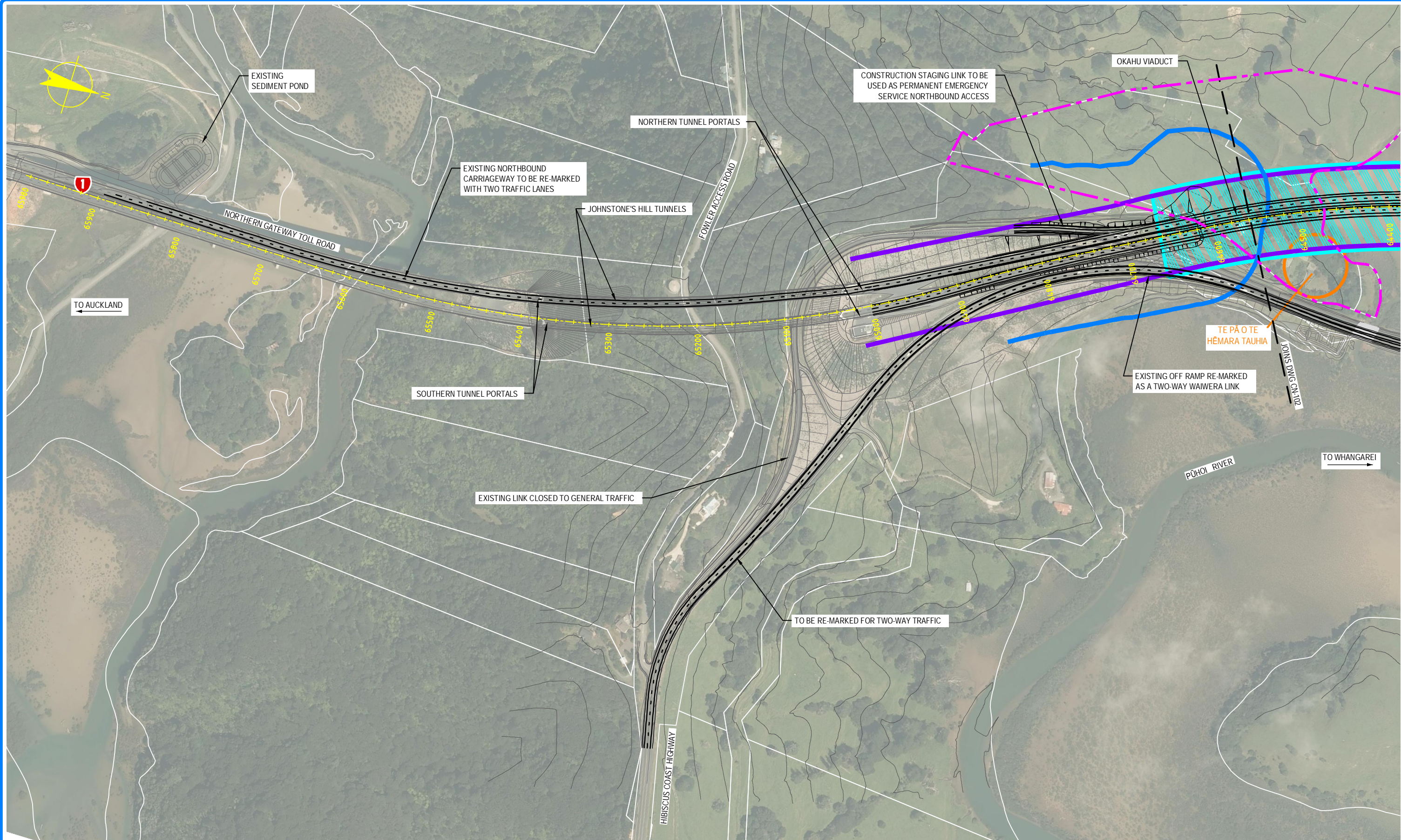
**DISCLAIMER**  
The information shown on this drawing is solely for the purposes of supporting RMA applications for statutory approvals. All information shown is subject to review for compliance with approved consents and the outcomes of final design.

ARA TŪHONO - PŪHOI TO WELLSFORD			
PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN: SP	DRAFTING CHECK: SW	REVIEWED DISCIPLINE MANAGER: MW	APPROVED ALLIANCE MANAGER: TI
DESIGNED: SW	DESIGN REVIEW: GW		

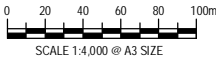
CONSTRUCTION NOISE RISK AREAS SHEET LAYOUT			
SCALE: NOT TO SCALE	CONTRACT No: PA3748	DRAWING No: CN-100	AMDT: 0



S:\Further North - PAA\3300 Design\3300 5 Technical\01-Drawing Production\CADD Drawings\CN-101\_CN-105.dwg Plot Date: 17 August, 2013 - 2:41 PM



NOTE: FOR GENERAL NOTES AND LEGEND, REFER TO DRAWING CN-001



0	30/08/13	GW	MW	TI	ISSUE FOR NOR / CONSENT
AMD	DATE	DESIGN REVIEW	REVD D. MGR	APPD A. MGR	PURPOSE OF ISSUE / AMENDMENT



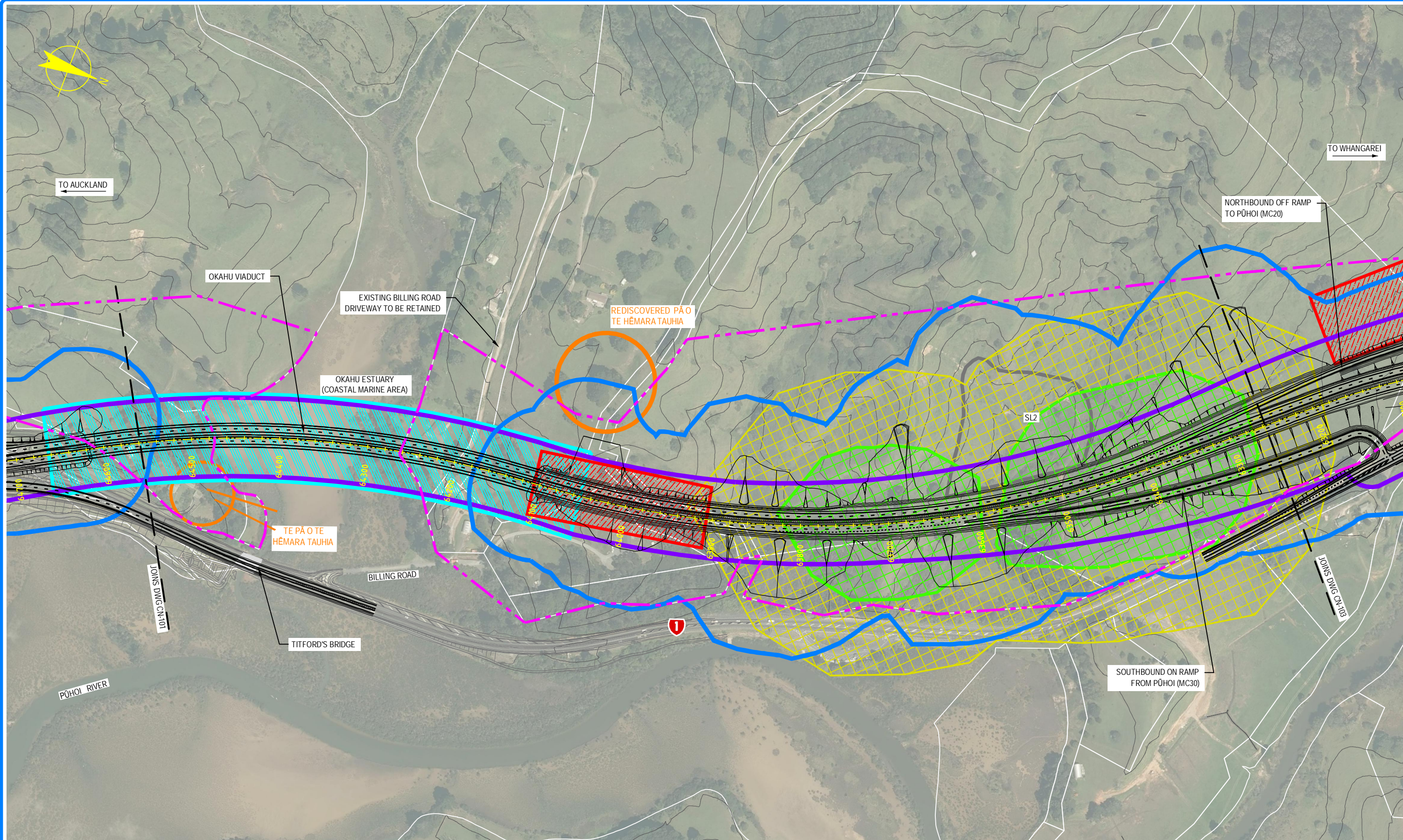
**DISCLAIMER**  
The information shown on this drawing is solely for the purposes of supporting RMA applications for statutory approvals. All information shown is subject to review for compliance with approved consents and the outcomes of final design.

ARA TŪHONO - PŪHOI TO WELLSFORD			
PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN: SP	DRAFTING CHECK: SW	REVIEWED DISCIPLINE MANAGER: MW	APPROVED ALLIANCE MANAGER: TI
DESIGNED: SW	DESIGN REVIEW: GW		

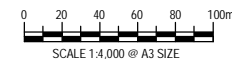
CONSTRUCTION NOISE RISK AREAS			
SHEET 1 OF 17			
SCALE: AS SHOWN	CONTRACT No: PA3748	DRAWING No: CN-101	AMDT: 0



S:\Further North - PAA\300 Design\300.5 Technical\01-Drawing Production\CADD Drawings\CN-101\_CN-105.dwg Plot Date: 19 August 2013 4:29 PM



NOTE: FOR GENERAL NOTES AND LEGEND,  
REFER TO DRAWING CN-001



0	30/08/13	GW	MW	TI	ISSUE FOR NOR / CONSENT
AMD	DATE	DESIGN REVIEW	REVD. D. MGR	APPD. A. MGR	PURPOSE OF ISSUE / AMENDMENT



**DISCLAIMER**  
The information shown on this drawing is solely for the purposes of supporting RMA applications for statutory approvals. All information shown is subject to review for compliance with approved consents and the outcomes of final design.

ARA TŪHONO - PŪHOI TO WELLSFORD  
PŪHOI TO WARKWORTH - FOR RMA APPROVALS

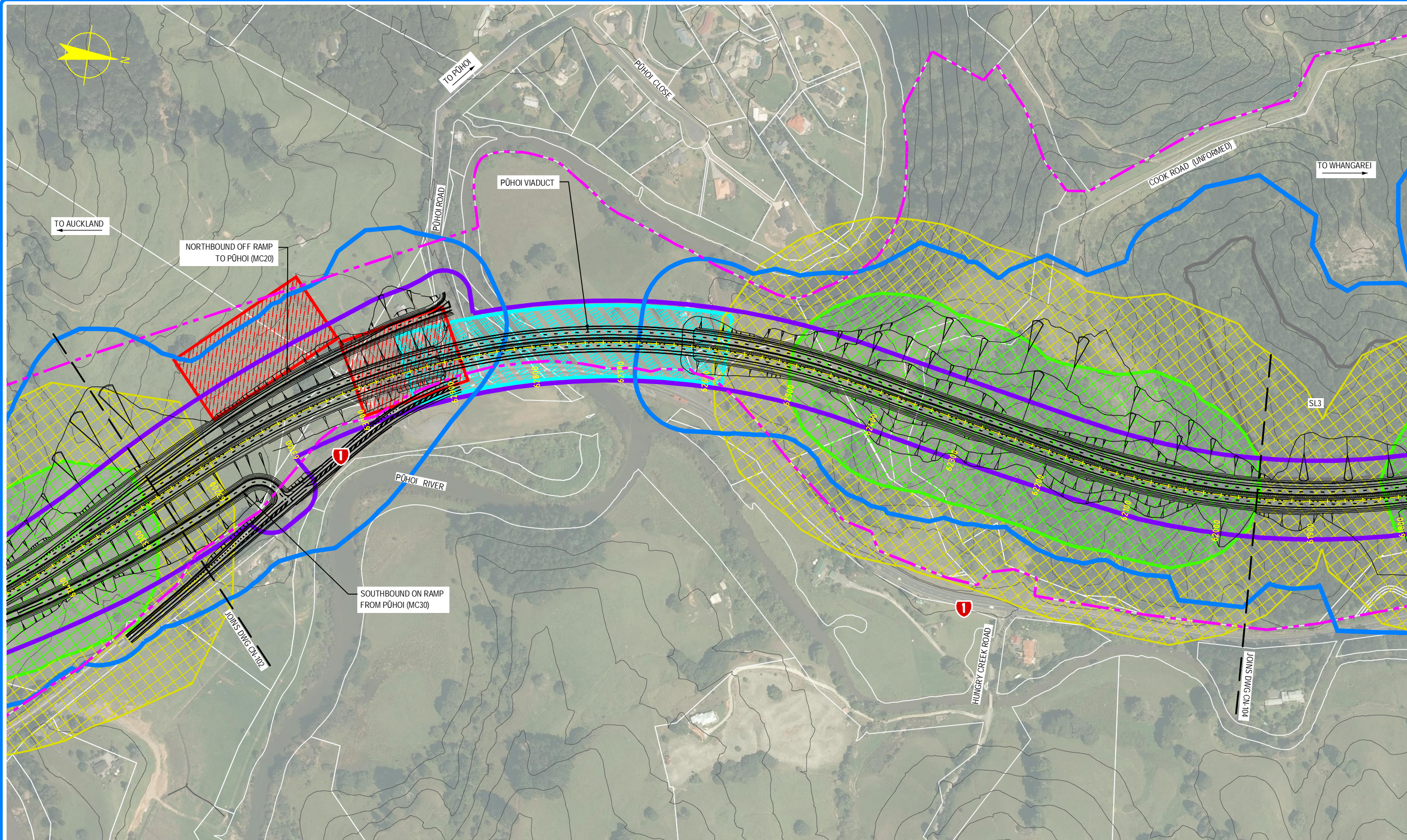
DRAWN: SP	DRAFTING CHECK: SW	REVIEWED DISCIPLINE MANAGER: MW	APPROVED ALLIANCE MANAGER: TI
DESIGNED: SW	DESIGN REVIEW: GW		

CONSTRUCTION NOISE RISK AREAS  
SHEET 2 OF 17

SCALE: AS SHOWN	CONTRACT No: PA3748	DRAWING No: CN-102	AMDT: 0
-----------------	---------------------	--------------------	---------



S:\Further North - PAA\3300 Design\3300.5 Technical\01-Drawing Production\CADD Drawings\CN-101\_CN-105.dwg Plot Date: 19 August, 2013 - 4:34 PM



NOTE: FOR GENERAL NOTES AND LEGEND, REFER TO DRAWING CN-001

0 20 40 60 80 100m  
SCALE 1:4,000 @ A3 SIZE

0	30/08/13	GW	MW	TI	ISSUE FOR NOR / CONSENT
AMD	DATE	DESIGN REVIEW	REVD. D. MGR	APPD. A. MGR	PURPOSE OF ISSUE / AMENDMENT



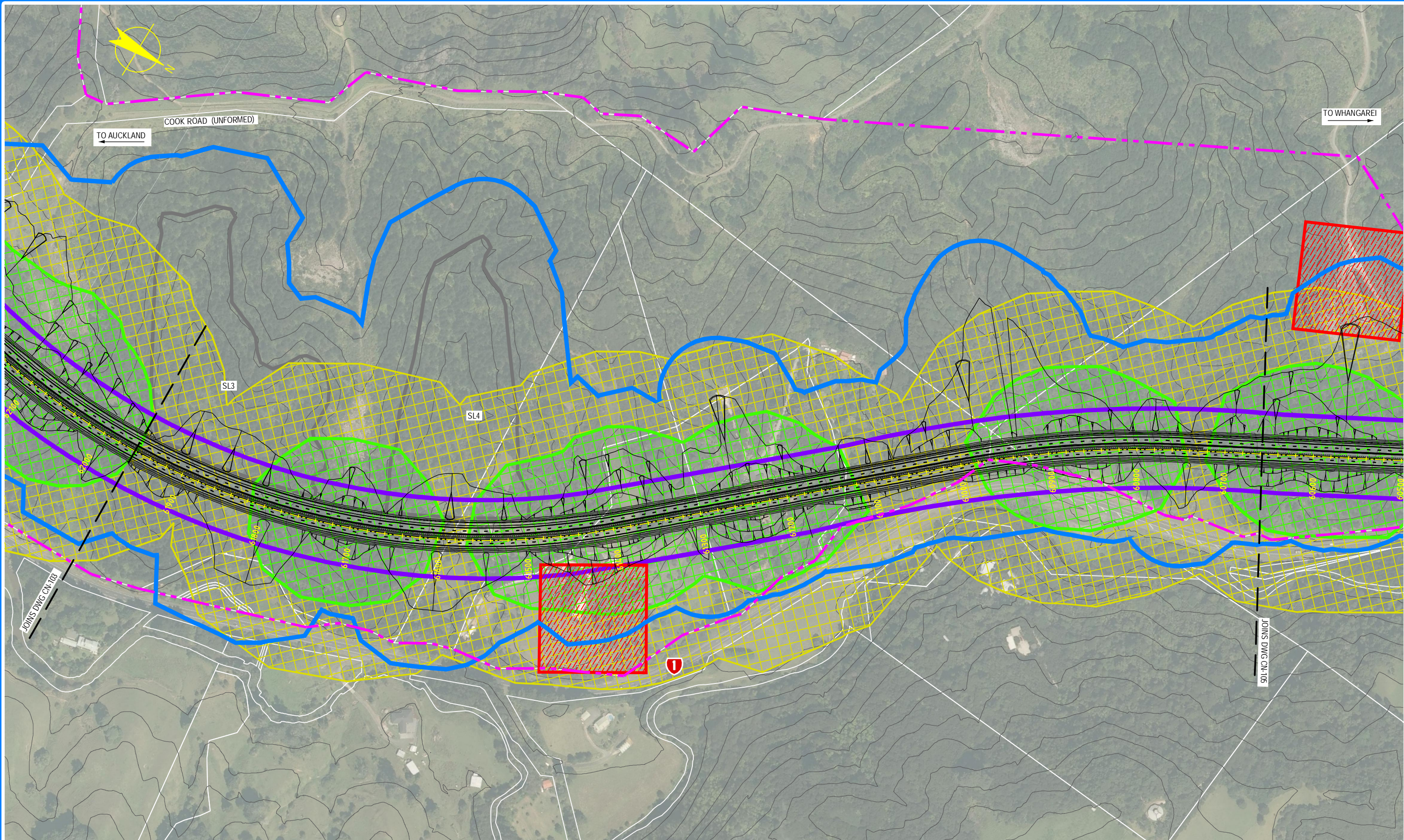
**DISCLAIMER**  
The information shown on this drawing is solely for the purposes of supporting RMA applications for statutory approvals. All information shown is subject to review for compliance with approved consents and the outcomes of final design.

ARA TŪHONO - PŪHOI TO WELLSFORD			
PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN: SP	DRAFTING CHECK: SW	REVIEWED DISCIPLINE MANAGER: MW	APPROVED ALLIANCE MANAGER: TI
DESIGNED: SW	DESIGN REVIEW: GW		

CONSTRUCTION NOISE RISK AREAS			
SHEET 3 OF 17			
SCALE: AS SHOWN	CONTRACT No: PA3748	DRAWING No: CN-103	AMDT: 0



S:\Further North - PAA\3300 Design\3300.5 Technical\01-Drawing Production\CADD Drawings\CN-101\_CN-105.dwg Plot Date: 17 August, 2013 - 2:51 PM



NOTE: FOR GENERAL NOTES AND LEGEND,  
REFER TO DRAWING CN-001

0 20 40 60 80 100m  
SCALE 1:4,000 @ A3 SIZE

AMT	DATE	DESIGN REVIEW	REVD D. MGR	APPD A. MGR	PURPOSE OF ISSUE / AMENDMENT
0	30/08/13	GW	MW	TI	ISSUE FOR NOR / CONSENT



**DISCLAIMER**  
The information shown on this drawing is solely for the purposes of supporting RMA applications for statutory approvals. All information shown is subject to review for compliance with approved consents and the outcomes of final design.

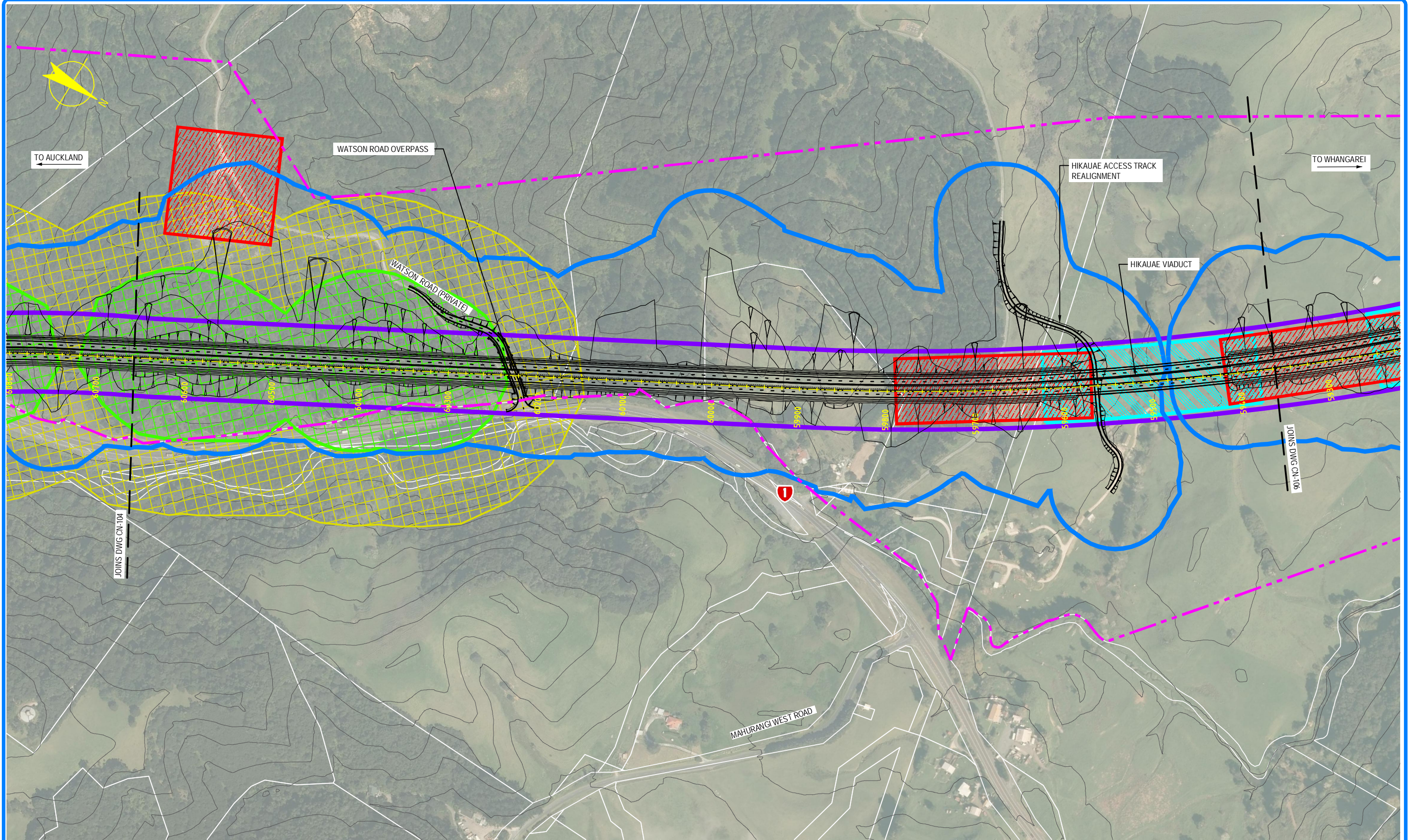
ARA TŪHONO - PŪHOI TO WELLSFORD  
PŪHOI TO WARKWORTH - FOR RMA APPROVALS

DRAWN SP	DRAFTING CHECK SW	REVIEWED DISCIPLINE MANAGER MW	APPROVED ALLIANCE MANAGER TI
DESIGNED SW	DESIGN REVIEW GW		

CONSTRUCTION NOISE RISK AREAS SHEET 4 OF 17			
SCALE AS SHOWN	CONTRACT No PA3748	DRAWING No CN-104	AMT 0



S:\Further North - PAA\300 Design\300.5 Technical\01-Drawing Production\CADD\Drawings\CN-101\_CN-105.dwg Plot Date: 17 August, 2013 - 2:56 PM



0	30/08/13	GW	MW	TI	ISSUE FOR NOR / CONSENT
AMD	DATE	DESIGN REVIEW	REVD D. MGR	APPD A. MGR	PURPOSE OF ISSUE / AMENDMENT



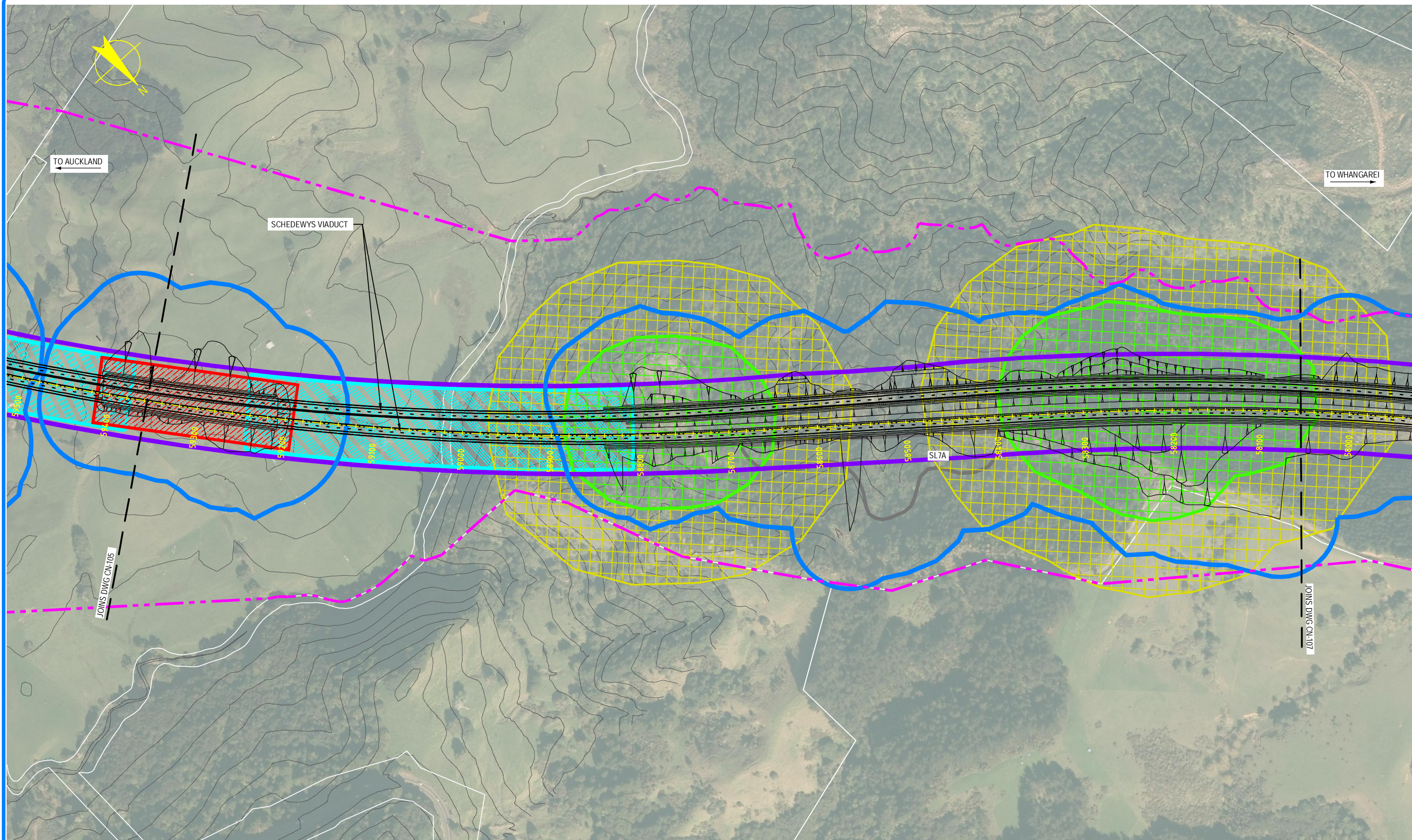
**DISCLAIMER**  
The information shown on this drawing is solely for the purposes of supporting RMA applications for statutory approvals. All information shown is subject to review for compliance with approved consents and the outcomes of final design.

ARA TŪHONO - PŪHOI TO WELLSFORD			
PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN SP	DRAFTING CHECK SW	REVIEWED DISCIPLINE MANAGER MW	APPROVED ALLIANCE MANAGER TI
DESIGNED SW	DESIGN REVIEW GW		

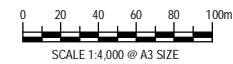
NOTE: FOR GENERAL NOTES AND LEGEND, REFER TO DRAWING CN-001			
SCALE 1:4,000 @ A3 SIZE			
CONSTRUCTION NOISE RISK AREAS		SHEET 5 OF 17	
SCALE AS SHOWN	CONTRACT No PA3748	DRAWING No CN-105	AMDT 0



S:\Further North - PAA\300 Design\300.5 Technical\01-Drawing Production\CADD Drawings\CN-106\_CN-112.dwg Plot Date: 17 August, 2013 - 3:02 PM



NOTE: FOR GENERAL NOTES AND LEGEND,  
REFER TO DRAWING CN-001



0	30/08/13	GW	MW	TI	ISSUE FOR NOR / CONSENT
AMD	DATE	DESIGN REVIEW	REVD D. MGR	APPD A. MGR	PURPOSE OF ISSUE / AMENDMENT



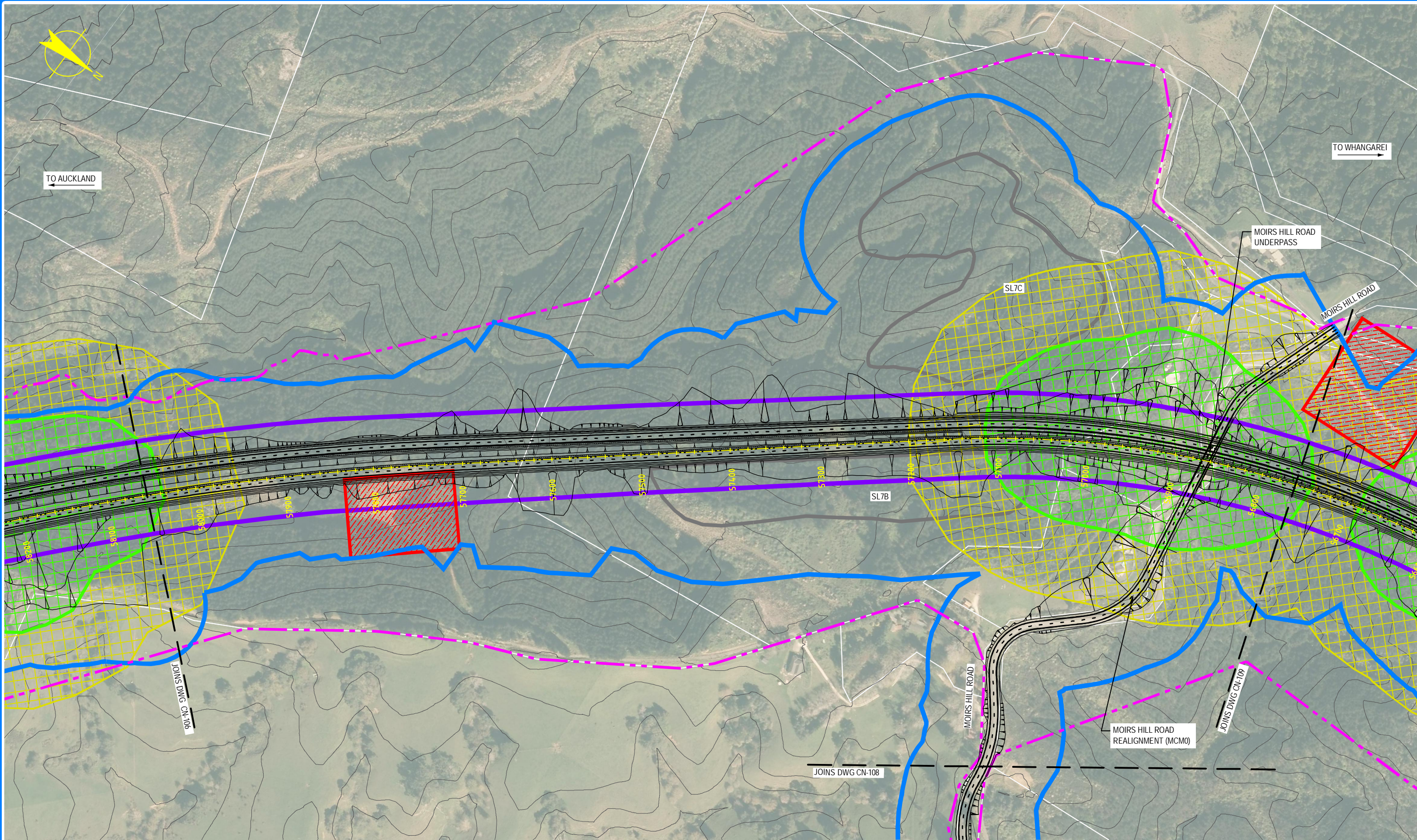
**DISCLAIMER**  
The information shown on this drawing is solely for the purposes of supporting RMA applications for statutory approvals. All information shown is subject to review for compliance with approved consents and the outcomes of final design.

ARA TŪHONO - PŪHOI TO WELLSFORD			
PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN SP	DRAFTING CHECK SW	REVIEWED DISCIPLINE MANAGER MW	APPROVED ALLIANCE MANAGER TI
DESIGNED SW	DESIGN REVIEW GW		

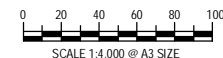
CONSTRUCTION NOISE RISK AREAS SHEET 6 OF 17			
SCALE AS SHOWN	CONTRACT No. PA3748	DRAWING No. CN-106	AMDT 0



S:\Further North - PAA\300 Design\300.5 Technical\01-Drawing Production\CADD Drawings\CN-106\_CN-112.dwg Plot Date: 17 August, 2013 - 3:08 PM



NOTE: FOR GENERAL NOTES AND LEGEND,  
REFER TO DRAWING CN-001



0	30/08/13	GW	MW	TI	ISSUE FOR NOR / CONSENT
AMD	DATE	DESIGN REVIEW	REV'D D. MGR	APP'D A. MGR	PURPOSE OF ISSUE / AMENDMENT



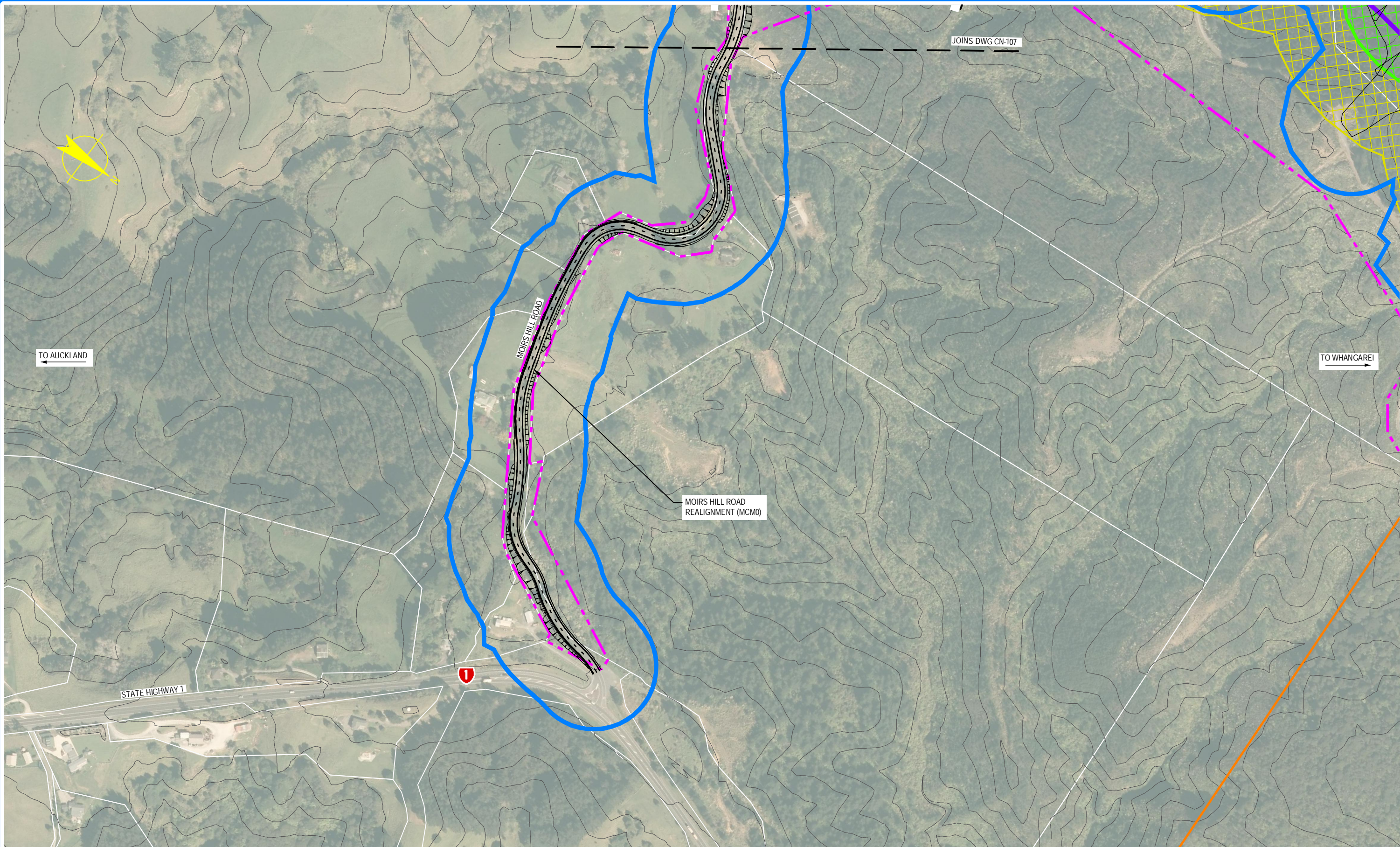
**DISCLAIMER**  
The information shown on this drawing is solely for the purposes of supporting RMA applications for statutory approvals. All information shown is subject to review for compliance with approved consents and the outcomes of final design.

ARA TŪHONO - PŪHOI TO WELLSFORD			
PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN SP	DRAFTING CHECK SW	REVIEWED DISCIPLINE MANAGER MW	APPROVED ALLIANCE MANAGER TI
DESIGNED SW	DESIGN REVIEW GW		

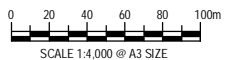
CONSTRUCTION NOISE RISK AREAS SHEET 7 OF 17			
SCALE AS SHOWN	CONTRACT No PA3748	DRAWING No CN-107	AMDT 0



S:\Further North - PAA\300 Design\300.5 Technical\01-Drawing Production\01-ADD Drawings\CN-106\_CN-112.dwg Plot Date: 17 August, 2013 - 3:11 PM



NOTE: FOR GENERAL NOTES AND LEGEND,  
REFER TO DRAWING CN-001



0	30/08/13	GW	MW	TI	ISSUE FOR NOR / CONSENT
AMD	DATE	DESIGN REVIEW	REVD D. MGR	APPD A. MGR	PURPOSE OF ISSUE / AMENDMENT



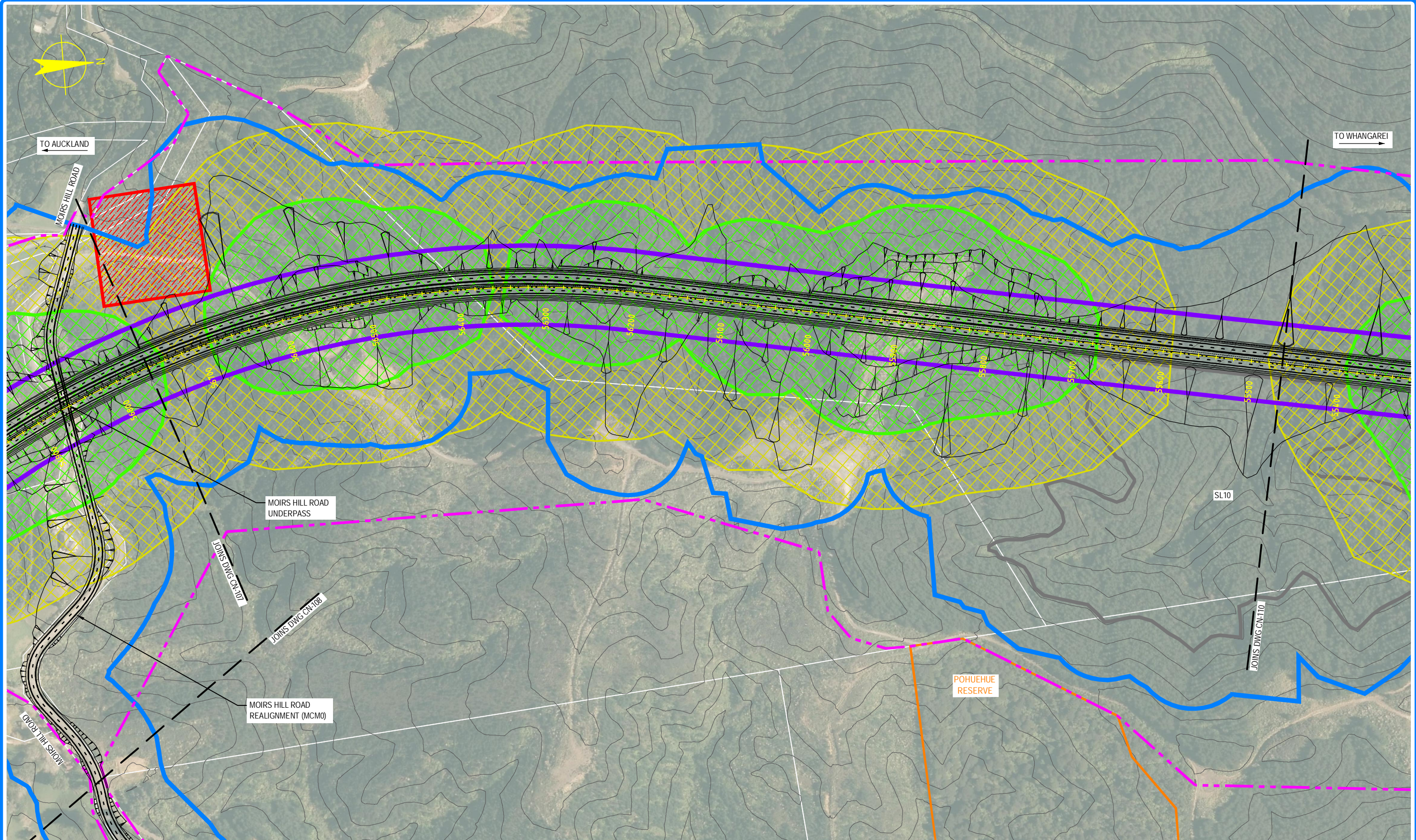
**DISCLAIMER**  
The information shown on this drawing is solely for the purposes of supporting RMA applications for statutory approvals. All information shown is subject to review for compliance with approved consents and the outcomes of final design.

ARA TŪHONO - PŪHOI TO WELLSFORD			
PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN SP	DRAFTING CHECK SW	REVIEWED DISCIPLINE MANAGER MW	APPROVED ALLIANCE MANAGER TI
DESIGNED SW	DESIGN REVIEW GW		

CONSTRUCTION NOISE RISK AREAS			
SHEET 8 OF 17			
SCALE AS SHOWN	CONTRACT No PA3748	DRAWING No CN-108	AMDT 0



S:\Further North - PAA\3300\3300.5 Technical\01-Drawing Production\CADD Drawings\CN-106\_CN-112.dwg Plot Date: 17 August, 2013 - 3:14 PM



NOTE: FOR GENERAL NOTES AND LEGEND,  
REFER TO DRAWING CN-001

0 20 40 60 80 100m  
SCALE 1:4,000 @ A3 SIZE

AMT	DATE	DESIGN REVIEW	REVD D. MGR	APPD A. MGR	PURPOSE OF ISSUE / AMENDMENT
0	30/08/13	GW	MW	TI	ISSUE FOR NOR / CONSENT



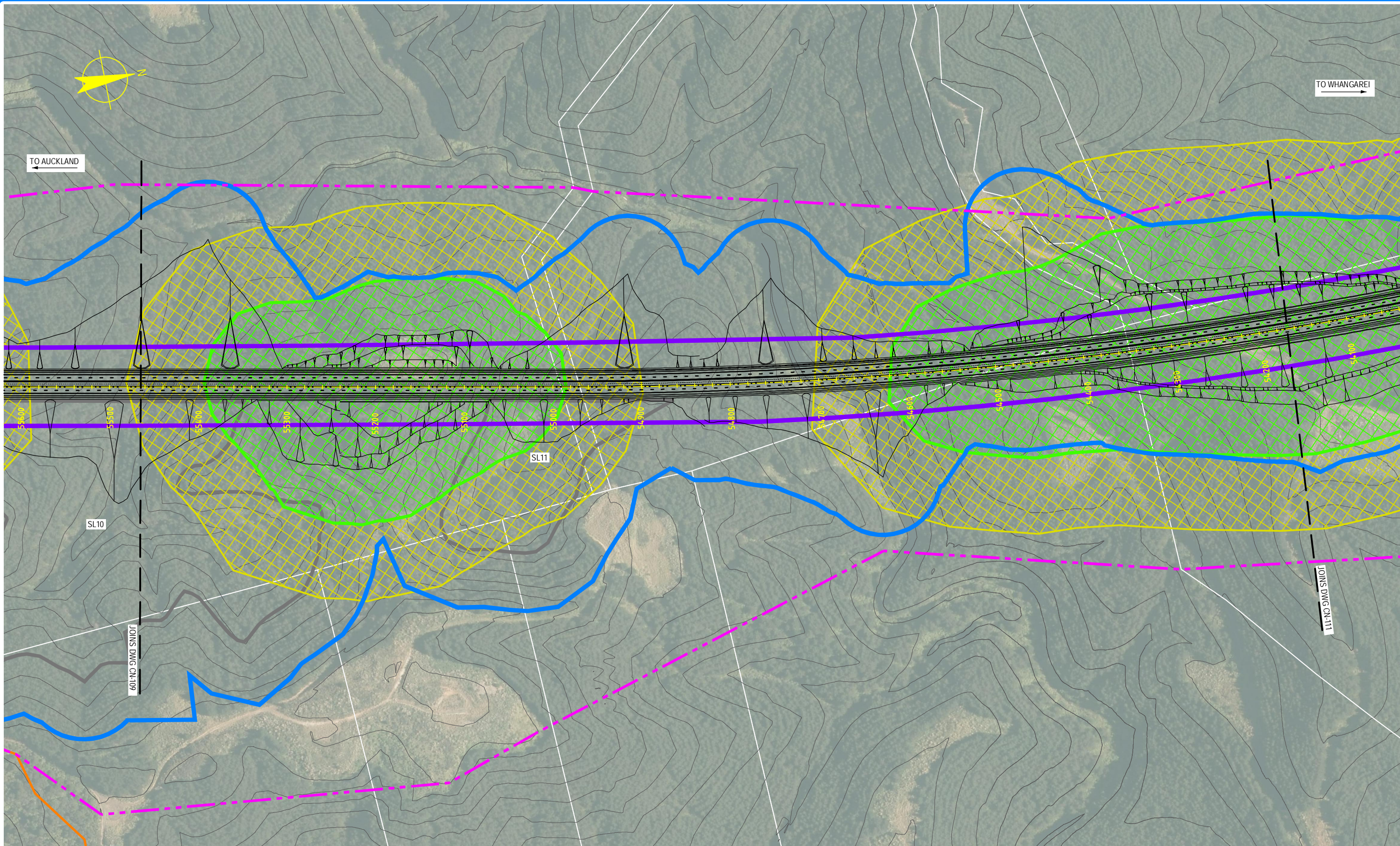
**DISCLAIMER**  
The information shown on this drawing is solely for the purposes of supporting RMA applications for statutory approvals. All information shown is subject to review for compliance with approved consents and the outcomes of final design.

ARA TŪHONO - PŪHOI TO WELLSFORD PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN SP	DRAFTING CHECK SW	REVIEWED DISCIPLINE MANAGER MW	APPROVED ALLIANCE MANAGER TI
DESIGNED SW	DESIGN REVIEW GW		

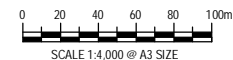
CONSTRUCTION NOISE RISK AREAS SHEET 9 OF 17			
SCALE AS SHOWN	CONTRACT No PA3748	DRAWING No CN-109	AMT 0



S:\Further North - PAA\3300 Design\3300.5 Technical\01-Drawing Production\CADD Drawings\CN-106\_CN-112.dwg Plot Date: 17 August, 2013 - 3:17 PM



NOTE: FOR GENERAL NOTES AND LEGEND,  
REFER TO DRAWING CN-001



0	30/08/13	GW	MW	TI	ISSUE FOR NOR / CONSENT
AMD	DATE	DESIGN REVIEW	REV'D D. MGR	APPD A. MGR	PURPOSE OF ISSUE / AMENDMENT



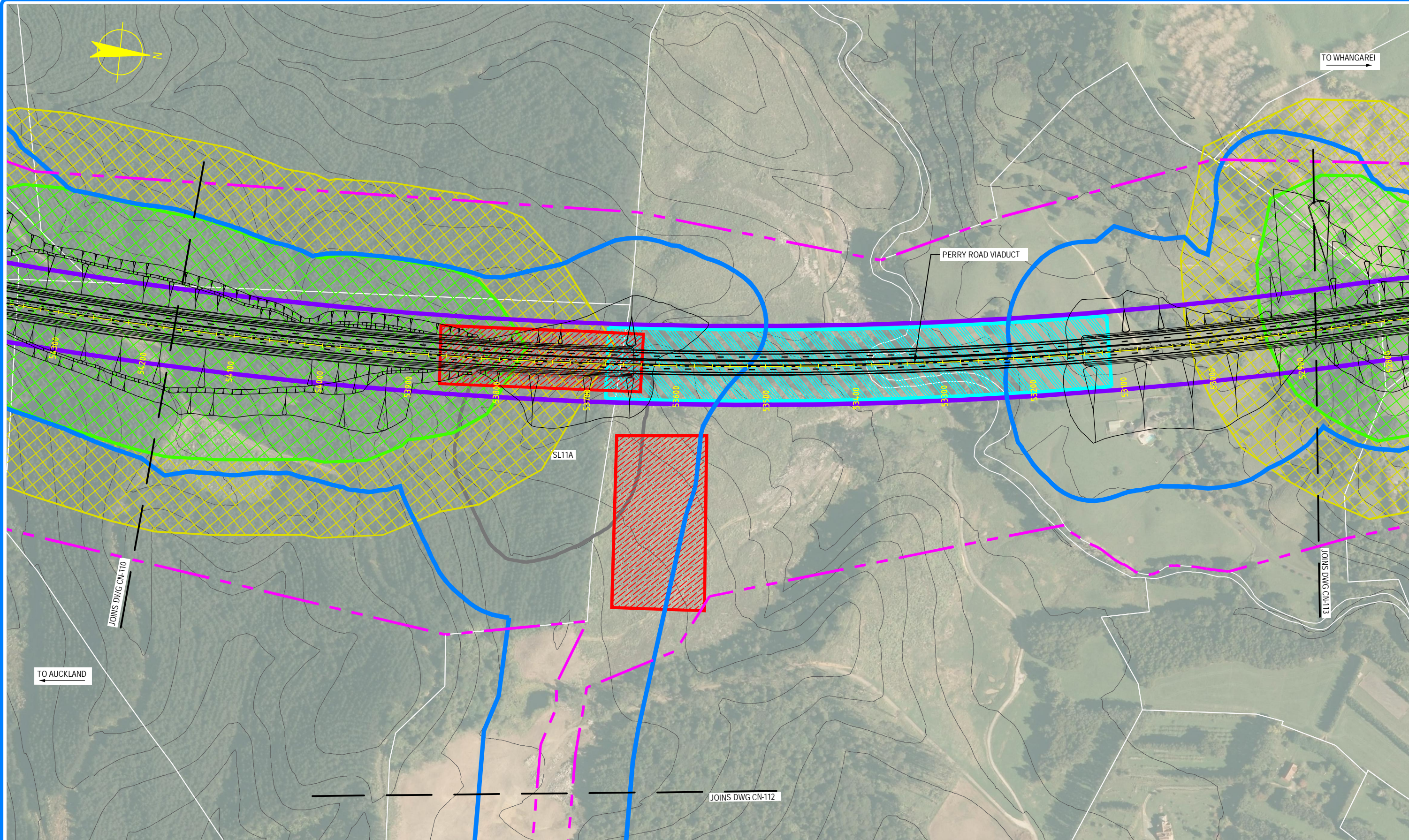
**DISCLAIMER**  
The information shown on this drawing is solely for the purposes of supporting RMA applications for statutory approvals. All information shown is subject to review for compliance with approved consents and the outcomes of final design.

ARA TŪHONO - PŪHOI TO WELLSFORD PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN SP	DRAFTING CHECK SW	REVIEWED DISCIPLINE MANAGER MW	APPROVED ALLIANCE MANAGER TI
DESIGNED SW	DESIGN REVIEW GW		

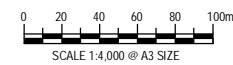
CONSTRUCTION NOISE RISK AREAS SHEET 10 OF 17			
SCALE AS SHOWN	CONTRACT No PA3748	DRAWING No CN-110	AMD 0



S:\Further North - PAA\3300 Design\3300.5 Technical\01-Drawing Production\CAADD Drawings\CN-106\_CN-112.dwg Plot Date: 17 August, 2013 - 3:26 PM



NOTE: FOR GENERAL NOTES AND LEGEND, REFER TO DRAWING CN-001



AMT	DATE	DESIGN REVIEW	REVD D. MGR	APPD A. MGR	PURPOSE OF ISSUE / AMENDMENT
0	30/08/13	GW	MW	TI	ISSUE FOR NOR / CONSENT



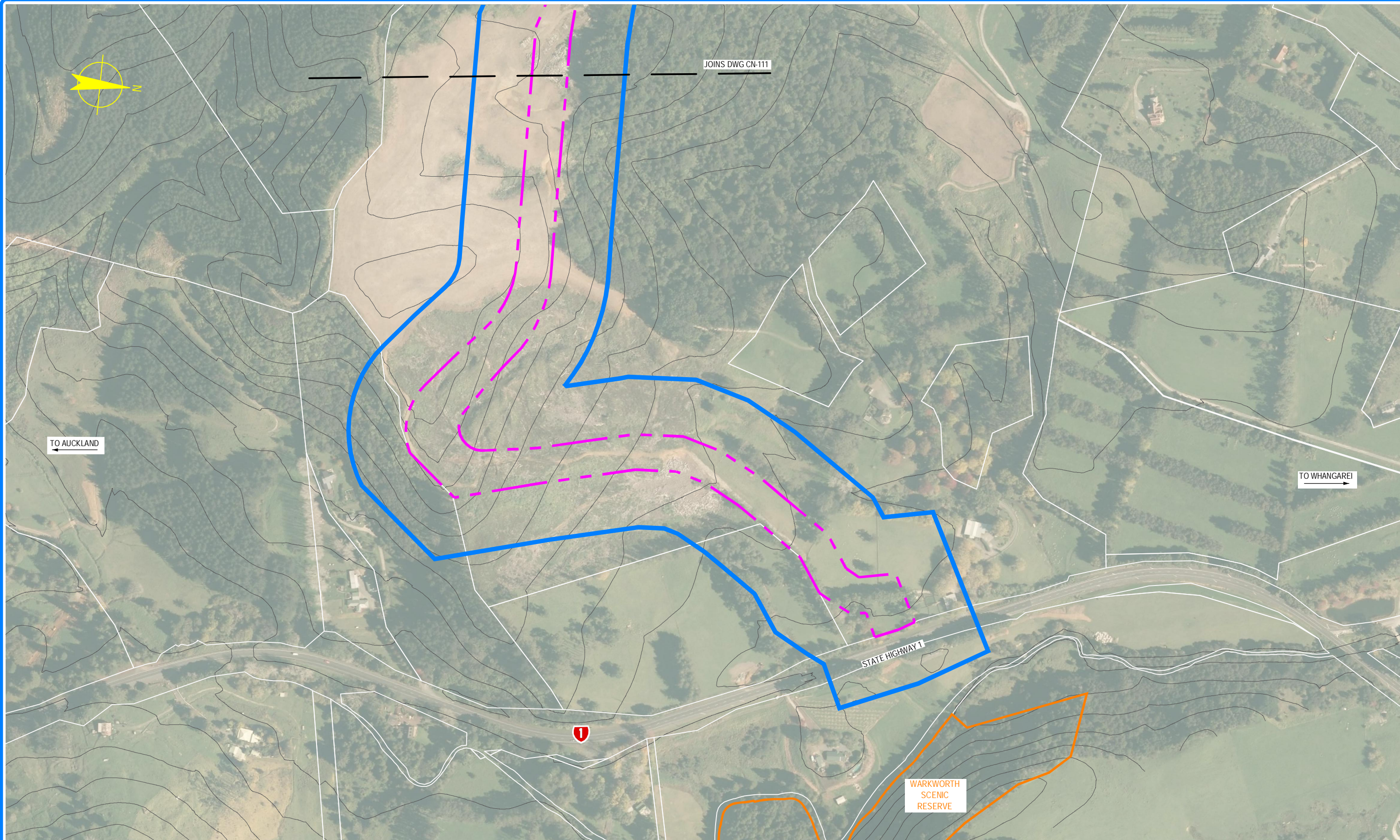
**DISCLAIMER**  
The information shown on this drawing is solely for the purposes of supporting RMA applications for statutory approvals. All information shown is subject to review for compliance with approved consents and the outcomes of final design.

ARA TŪHONO - PŪHOI TO WELLSFORD PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN SP DESIGNED SW	DRAFTING CHECK SW DESIGN REVIEW GW	REVIEWED DISCIPLINE MANAGER MW	APPROVED ALLIANCE MANAGER TI

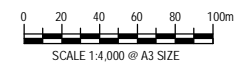
CONSTRUCTION NOISE RISK AREAS SHEET 11 OF 17			
SCALE AS SHOWN	CONTRACT No PA3748	DRAWING No CN-111	AMT 0



S:\Further North - PAA\3300 Design\3300.5 Technical\W1-Drawing Production\CADD Drawings\CN-106\_CN-112.dwg Plot Date: 19 August, 2013 - 4:37 PM



NOTE: FOR GENERAL NOTES AND LEGEND,  
REFER TO DRAWING CN-001



0	30/08/13	GW	MW	TI	ISSUE FOR NOR / CONSENT
AMD	DATE	DESIGN REVIEW	REV'D D. MGR	APPD A. MGR	PURPOSE OF ISSUE / AMENDMENT



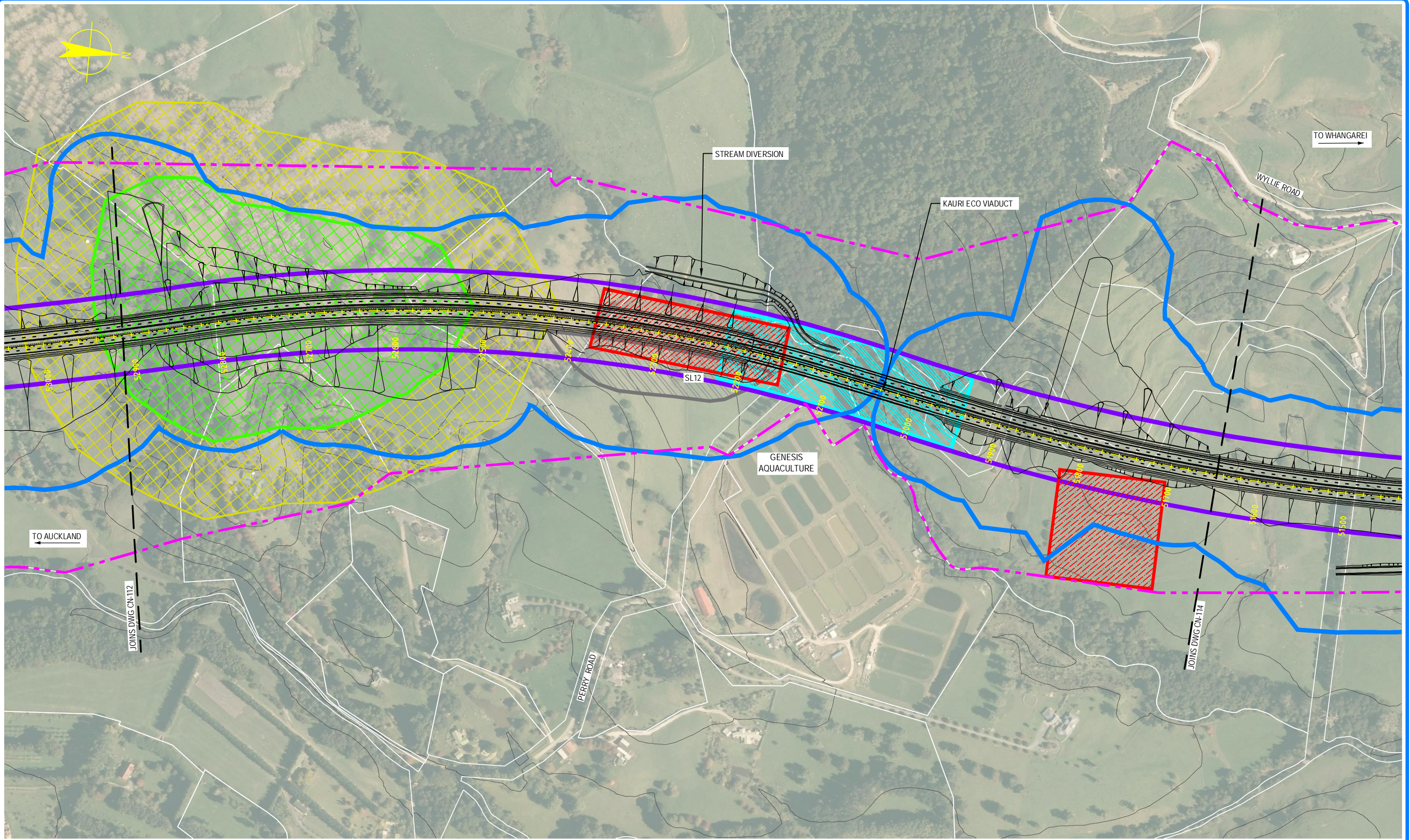
**DISCLAIMER**  
The information shown on this drawing is solely for the purposes of supporting RMA applications for statutory approvals. All information shown is subject to review for compliance with approved consents and the outcomes of final design.

ARA TŪHONO - PŪHOI TO WELLSFORD			
PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN SP	DRAFTING CHECK SW	REVIEWED DISCIPLINE MANAGER MW	APPROVED ALLIANCE MANAGER TI
DESIGNED SW	DESIGN REVIEW GW		

CONSTRUCTION NOISE RISK AREAS			
SHEET 12 OF 17			
SCALE AS SHOWN	CONTRACT No PA3748	DRAWING No CN-112	AMDT 0



S:\Further North - PAA\300 Design\300.5 Technical\01-Drawing Production\CADD Drawings\CN-113\_CN-117.dwg Plot Date: 17 August, 2013 - 3:45 PM



NOTE: FOR GENERAL NOTES AND LEGEND, REFER TO DRAWING CN-001

0 20 40 60 80 100m  
SCALE 1:4,000 @ A3 SIZE

0	30/08/13	GW	MW	TI	ISSUE FOR NOR / CONSENT
AMD	DATE	DESIGN REVIEW	REVD D. MGR	APPD A. MGR	PURPOSE OF ISSUE / AMENDMENT



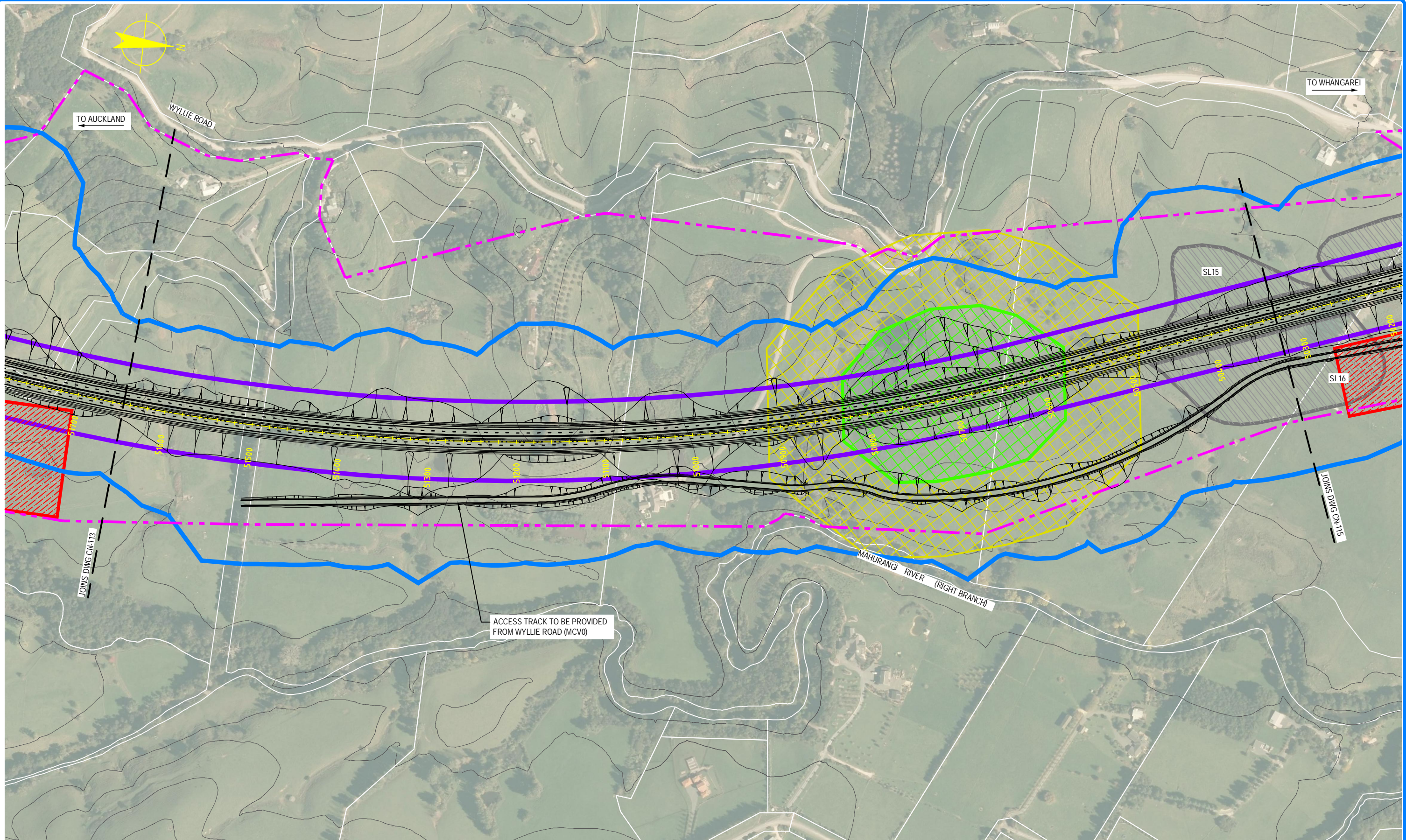
**DISCLAIMER**  
The information shown on this drawing is solely for the purposes of supporting RMA applications for statutory approvals. All information shown is subject to review for compliance with approved consents and the outcomes of final design.

ARA TŪHONO - PŪHOI TO WELLSFORD			
PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN SP	DRAFTING CHECK SW	REVIEWED DISCIPLINE MANAGER MW	APPROVED ALLIANCE MANAGER TI
DESIGNED SW	DESIGN REVIEW GW		

CONSTRUCTION NOISE RISK AREAS			
SHEET 13 OF 17			
SCALE AS SHOWN	CONTRACT No PA3748	DRAWING No CN-113	AMD 0

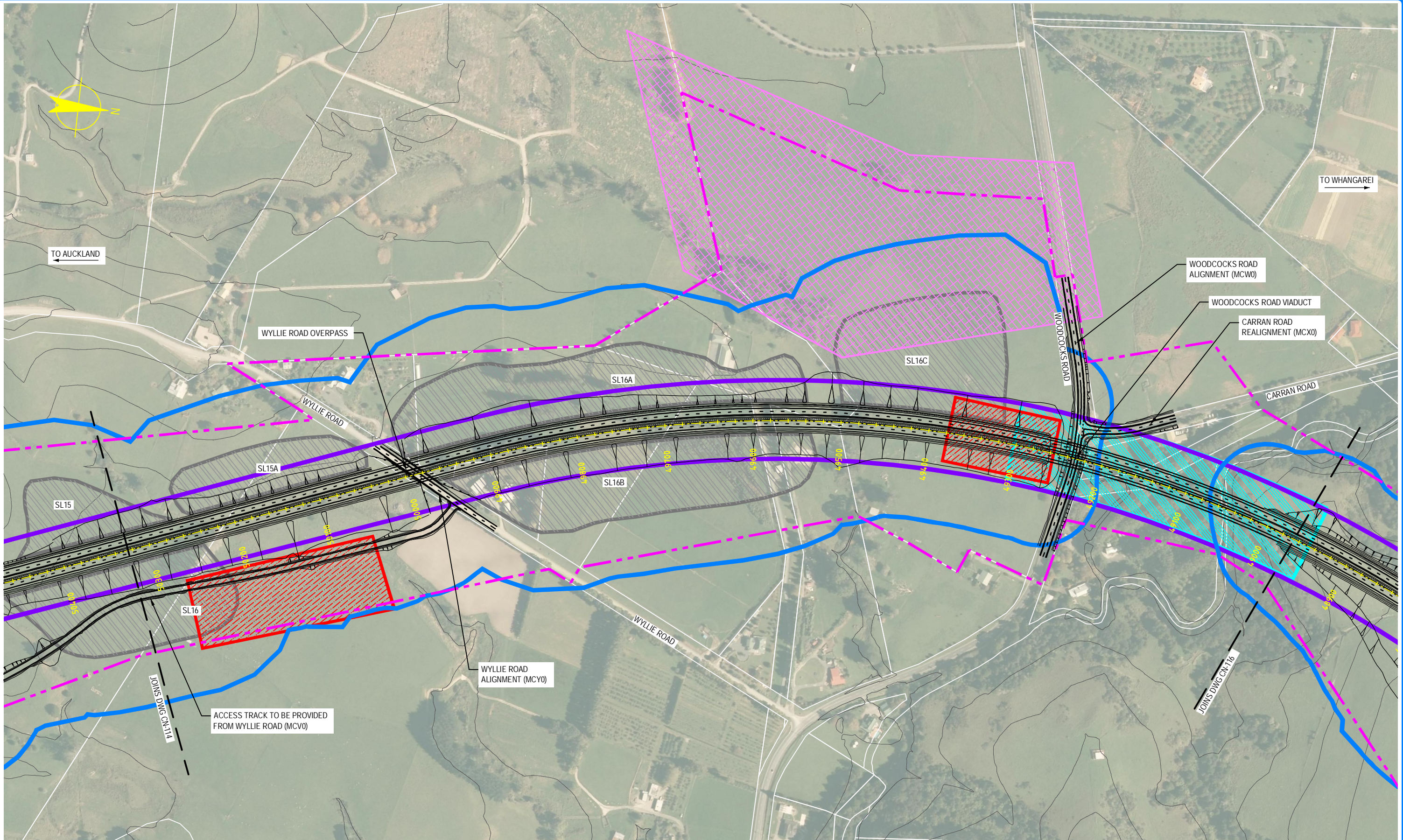


S:\Further North - PAA\3300 Design\3300.5 Technical\01-Drawing Production\CADD Drawings\CN-113\_CN-117.dwg Plot Date: 17 August, 2013 - 3:51 PM





S:\Further North - PAA\3300 Design\3300.5 Technical\01-Drawing Production\LAADD Drawings\CN-113\_CN-117.dwg Plot Date: 17 August 2019 3:34 PM



AMT	DATE	DESIGN REVIEW	REVD D. MGR	APPD A. MGR	PURPOSE OF ISSUE / AMENDMENT
0	30/08/13	GW	MW	TI	ISSUE FOR NOR / CONSENT



**DISCLAIMER**  
The information shown on this drawing is solely for the purposes of supporting RMA applications for statutory approvals. All information shown is subject to review for compliance with approved consents and the outcomes of final design.

ARA TŪHONO - PŪHOI TO WELLSFORD PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN SP DESIGNED SW	DRAFTING CHECK SW DESIGN REVIEW GW	REVIEWED DISCIPLINE MANAGER MW	APPROVED ALLIANCE MANAGER TI

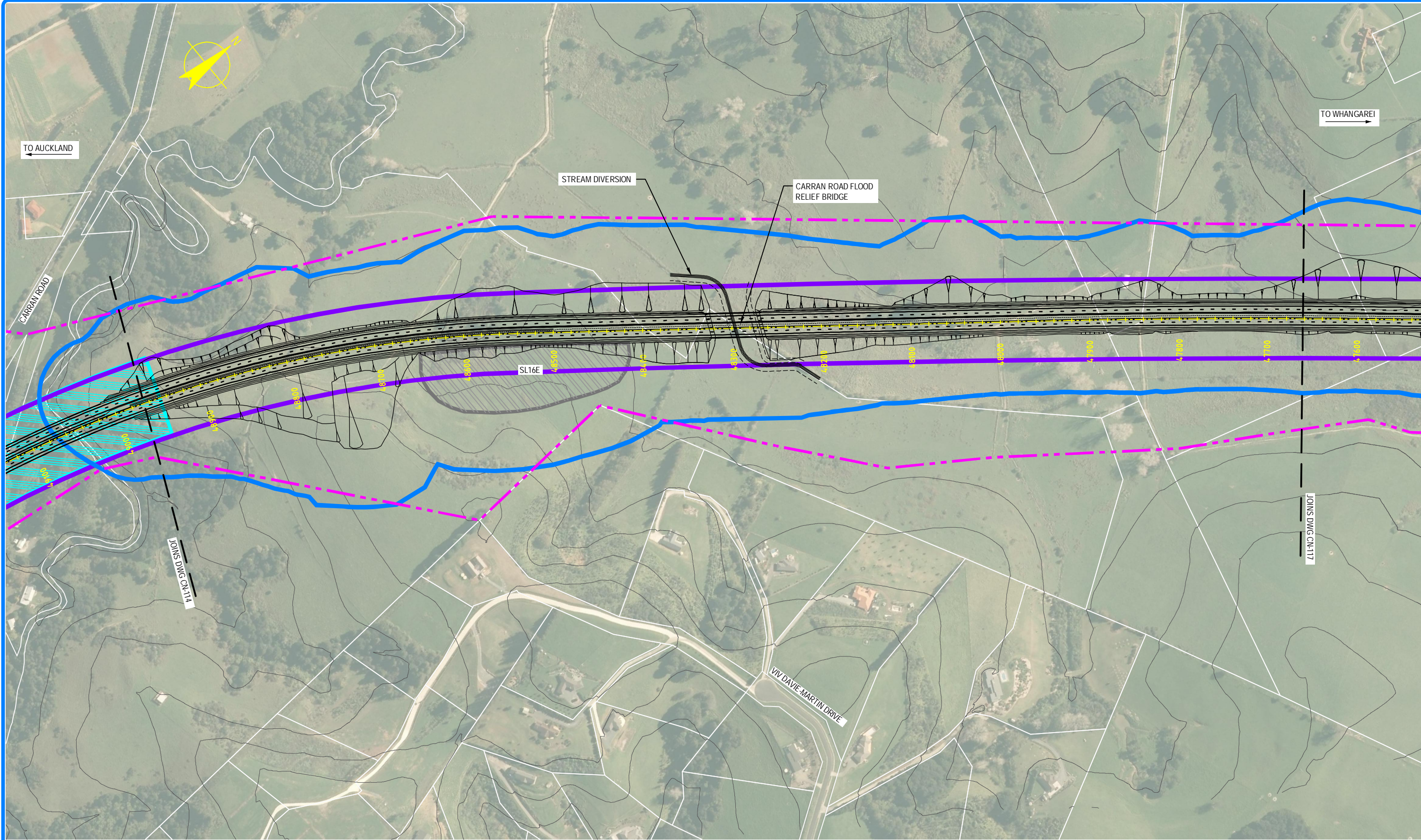
**NOTE:** FOR GENERAL NOTES AND LEGEND, REFER TO DRAWING CN-001



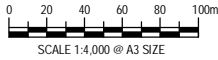
CONSTRUCTION NOISE RISK AREAS SHEET 15 OF 17			
SCALE AS SHOWN	CONTRACT No PA3748	DRAWING No CN-115	AMT 0



S:\Further North - PAA\300 Design\300.5 Technical\01-Drawing Production\CA00 Drawings\CN-113\_CN-117.dwg Plot Date: 17 August , 2013 - 3:58 PM



NOTE: FOR GENERAL NOTES AND LEGEND, REFER TO DRAWING CN-001



0	30/08/13	GW	MW	TI	ISSUE FOR NOR / CONSENT
AMD	DATE	DESIGN REVIEW	REV'D D. MGR	APP'D A. MGR	PURPOSE OF ISSUE / AMENDMENT



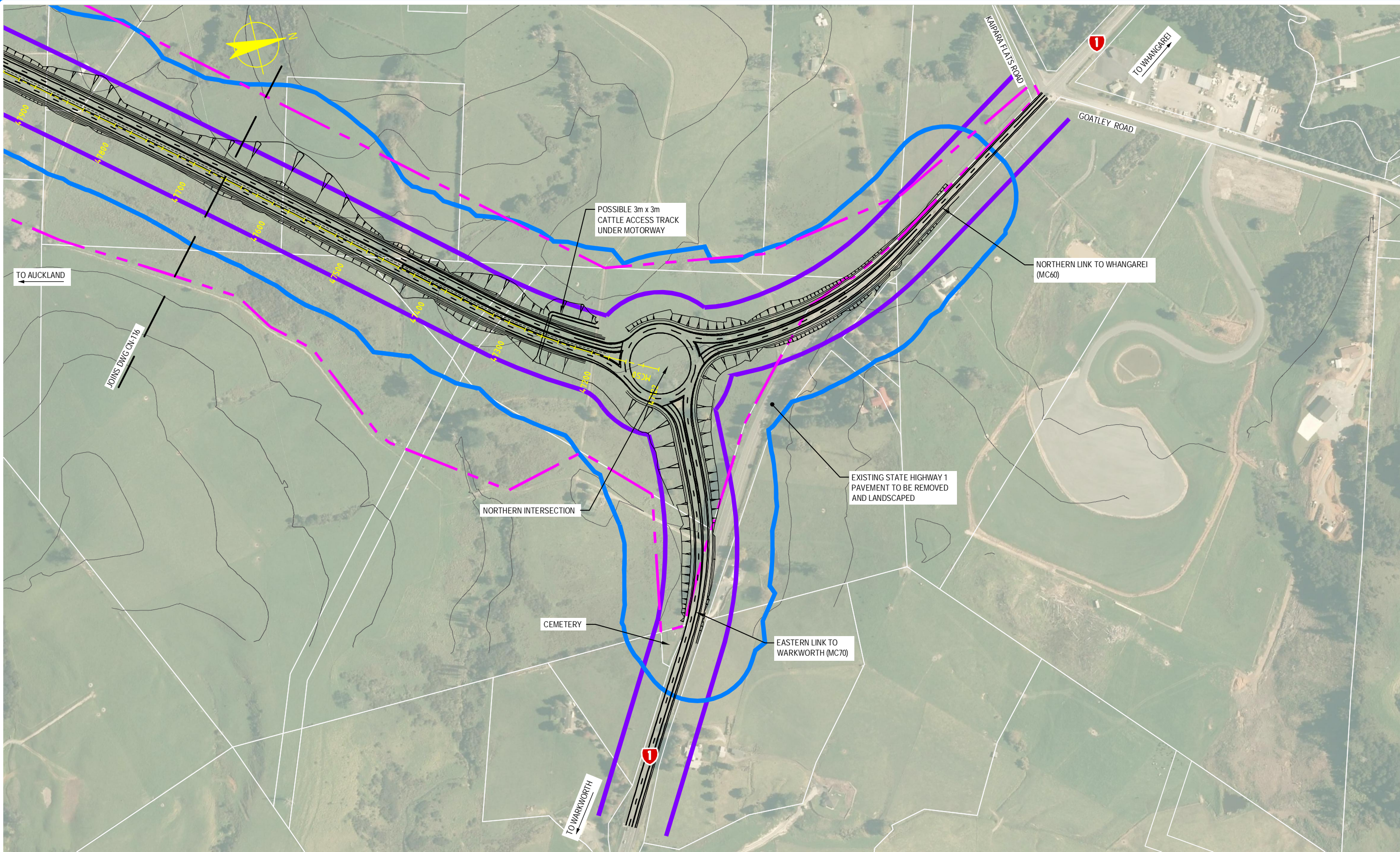
**DISCLAIMER**  
The information shown on this drawing is solely for the purposes of supporting RMA applications for statutory approvals. All information shown is subject to review for compliance with approved consents and the outcomes of final design.

ARA TŪHONO - PŪHOI TO WELLSFORD			
PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN SP	DRAFTING CHECK SW	REVIEWED DISCIPLINE MANAGER MW	APPROVED ALLIANCE MANAGER TI
DESIGNED SW	DESIGN REVIEW GW		

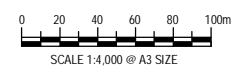
CONSTRUCTION NOISE RISK AREAS			
SHEET 16 OF 17			
SCALE AS SHOWN	CONTRACT No PA3748	DRAWING No CN-116	AMDT 0



S:\Further North - PAA\300 Design\300.5 Technical\01-Drawing Production\CADD\Drawings\CN-113\_CN-117.dwg Plot Date: 17 August, 2019 - 4:03 PM



NOTE: FOR GENERAL NOTES AND LEGEND, REFER TO DRAWING CN-001



0	30/08/13	GW	MW	TI	ISSUE FOR NOR / CONSENT
AMD	DATE	DESIGN REVIEW	REV'D D. MGR	APP'D A. MGR	PURPOSE OF ISSUE / AMENDMENT



**DISCLAIMER**  
The information shown on this drawing is solely for the purposes of supporting RMA applications for statutory approvals. All information shown is subject to review for compliance with approved consents and the outcomes of final design.

ARA TŪHONO - PŪHOI TO WELLSFORD			
PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN SP	DRAFTING CHECK SW	REVIEWED DISCIPLINE MANAGER MW	APPROVED ALLIANCE MANAGER TI
DESIGNED SW	DESIGN REVIEW GW		

CONSTRUCTION NOISE RISK AREAS			
SHEET 17 OF 17			
SCALE AS SHOWN	CONTRACT No PA3748	DRAWING No CN-117	AMDT 0