

DRWG No.	DRAWING TITLE
CN-001	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

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

GENERAL LEGEND

ROAD PLAN

----- PROPOSED DESIGNATION BOUNDARY

----- 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

- BOUNDARIES OF CONSTRUCTION NOISE AREAS SHOWN AT COMPLIANCE WITH DAY-TIME LIMIT (70 dB L_{A,eq}) WITHOUT NOISE BARRIERS. REFER TO TABLE BELOW.

CONSTRUCTION NOISE EFFECTS DISTANCES		
ACTIVITY	ACTIVITY SOUND POWER LEVEL (dB L _{AW,eq})	DISTANCE BEYOND WHICH COMPLIANCE WITH DAY-TIME LIMIT (70 dB L _{A,eq}) 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

AMD	DATE	DESIGN REVIEW	REVD. BY 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: SNP	DRAFTING CHECK: SW	REVIEWED DISCIPLINE MANAGER: MW	APPROVED ALLIANCE MANAGER: TI
DESIGNED: SW	DESIGN REVIEW: GW		

CONSTRUCTION NOISE RISK AREAS DRAWING INDEX, NOTES AND LEGEND			
SCALE: NOT TO SCALE	CONTRACT No: PA3748	DRAWING No: CN-001	AMDT: 0