

KEY:	
	70 dB LAeq Contour (Commercial and Residential Day)
	75 dB LAeq Contour (Commercial Night)
	45 dB LAeq Contour (Residential Night). Dotted line refers to potential for night works at any location. Solid line is shown around areas where night works are definitely required.
	Zone where properties contain buildings exposed to 70 dB LAeq +
	Zone where properties contain buildings exposed to 75 dB LAeq +
	Zone where properties contain buildings exposed to 45 dB LAeq +

PROJECT: Northern Corridor Improvements

JOB NO: 2016013C

MARSHALL DAY
Acoustics

TITLE: Construction Noise Markups

MARK UP BY: Peter Ibbotson

DATE: 12/01/2016

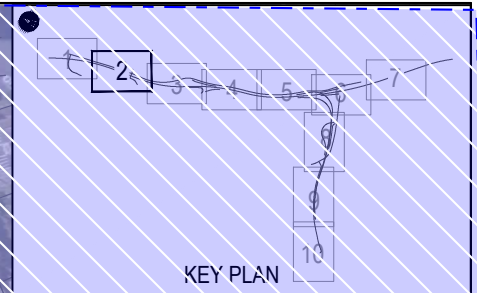
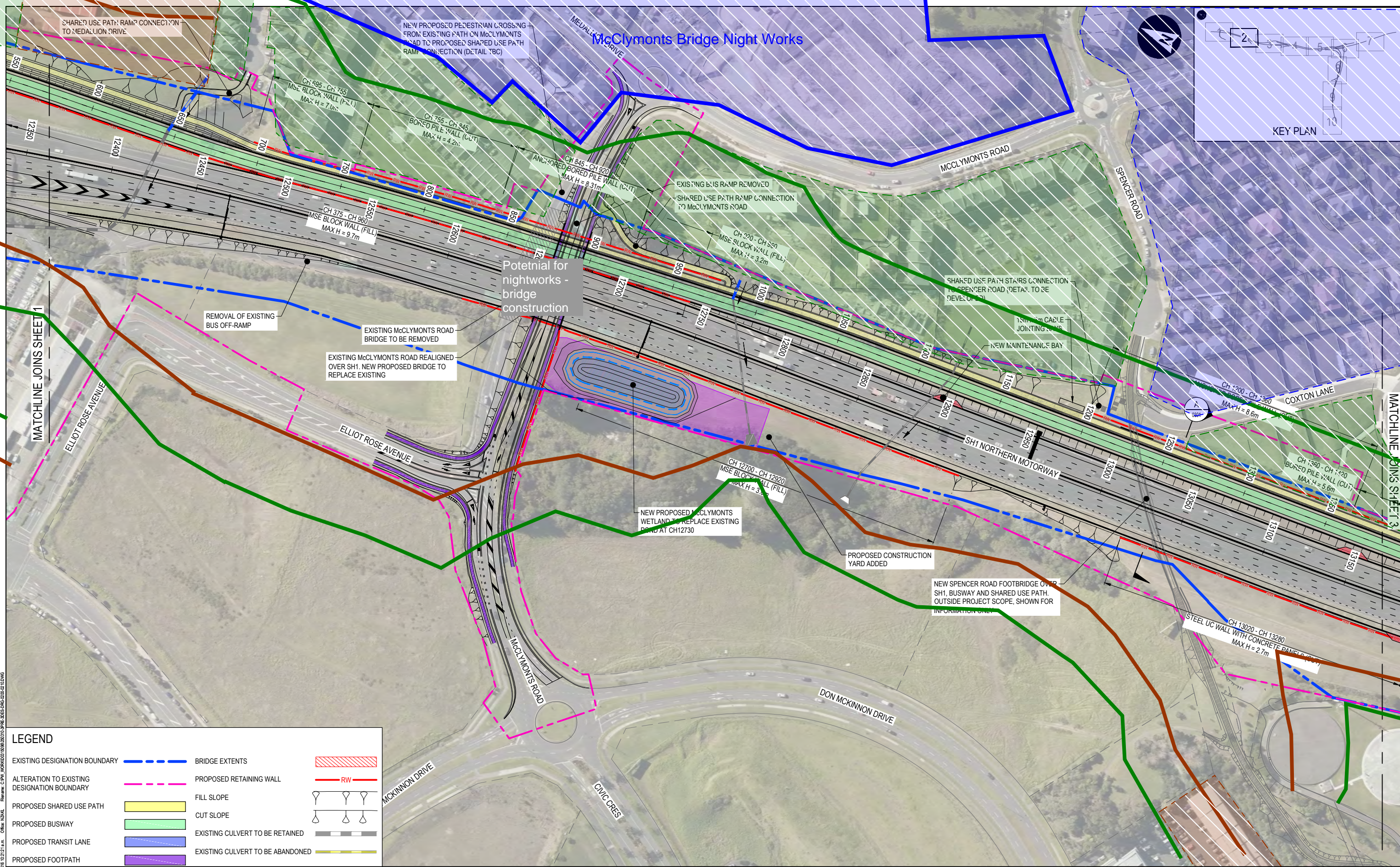
DRAWING REF: Appendix E

REV: 02

SCALE: 1:2000

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 Plot Date: 20/01/2016 9:07:02 am
 Client: NZTA
 File Name: C:\PI\WORK\2016\2016013C_001.DWG

McClymonts Bridge Night Works



LEGEND	
EXISTING DESIGNATION BOUNDARY	BRIDGE EXTENTS
ALTERATION TO EXISTING DESIGNATION BOUNDARY	PROPOSED RETAINING WALL
PROPOSED SHARED USE PATH	FILL SLOPE
PROPOSED BUSWAY	CUT SLOPE
PROPOSED TRANSIT LANE	EXISTING CULVERT TO BE RETAINED
PROPOSED FOOTPATH	EXISTING CULVERT TO BE ABANDONED
	RW

KEY:	
	70 dB LAeq Contour (Commercial and Residential Day)
	75 dB LAeq Contour (Commercial Night)
	45 dB LAeq Contour (Residential Night). Dotted line refers to potential for night works at any location. Solid line is shown around areas where night works are definitely required.
	Zone where properties contain buildings exposed to 70 dB LAeq +
	Zone where properties contain buildings exposed to 75 dB LAeq +
	Zone where properties contain buildings exposed to 45 dB LAeq +

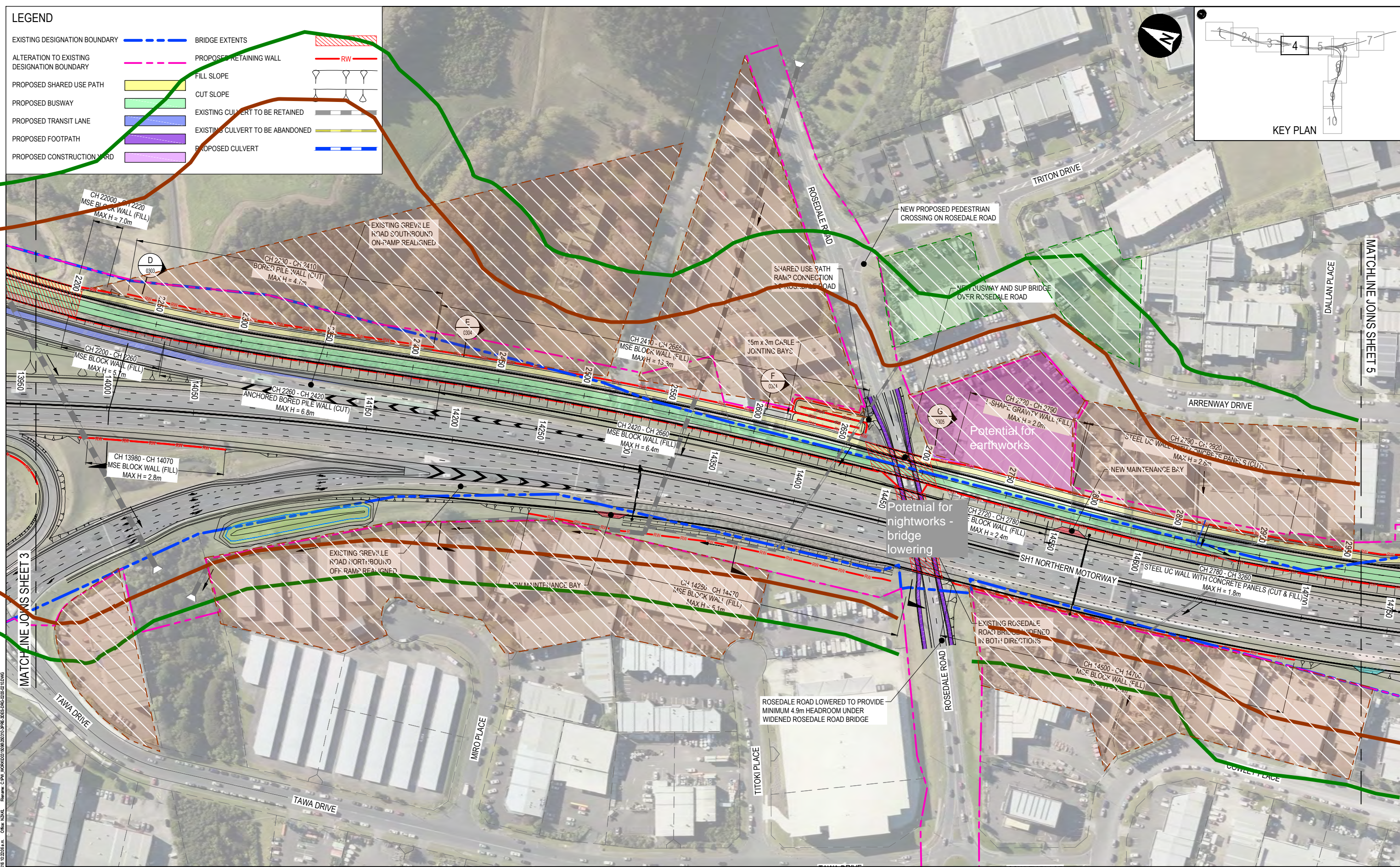
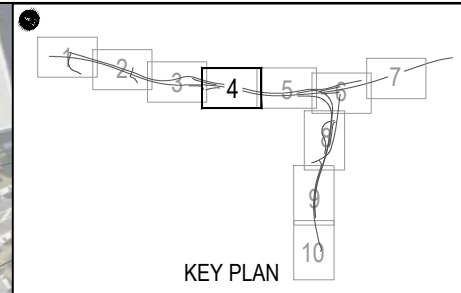
PROJECT: Northern Corridor Improvements	TITLE: Construction Noise Markups
JOB NO: 2016013C	MARK UP BY: Peter Ibbotson
	DRAWING REF: Appendix E
	REV: 02
	DATE: 12/01/2016
	SCALE: 1:2000



File Name: C:\PM\WORK\2016\2016013C\2016013C_02.dwg
 Plot Date: 20/01/2016 10:31:21 a.m. Client: NZMA

LEGEND

EXISTING DESIGNATION BOUNDARY	BRIDGE EXTENTS
ALTERATION TO EXISTING DESIGNATION BOUNDARY	PROPOSED RETAINING WALL
PROPOSED SHARED USE PATH	FILL SLOPE
PROPOSED BUSWAY	CUT SLOPE
PROPOSED TRANSIT LANE	EXISTING CULVERT TO BE RETAINED
PROPOSED FOOTPATH	EXISTING CULVERT TO BE ABANDONED
PROPOSED CONSTRUCTION YARD	PROPOSED CULVERT

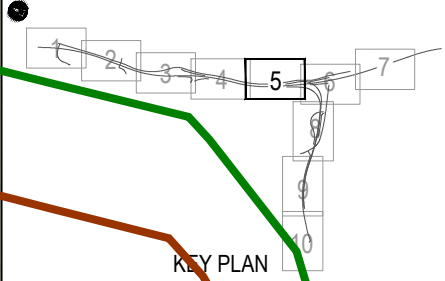
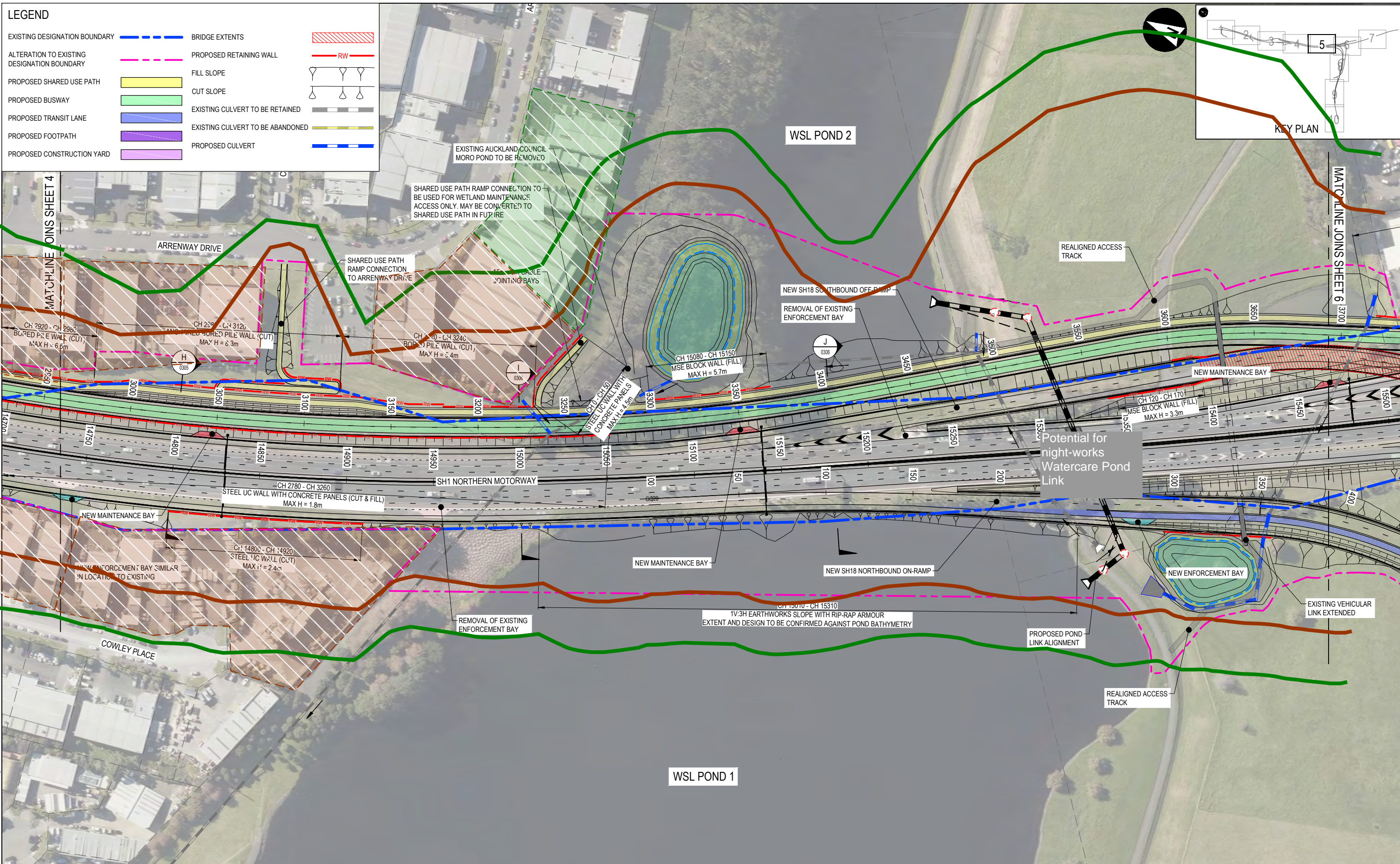


PROJECT: Northern Corridor Improvements	TITLE: Construction Noise Markups	
JOB NO: 2016013C	MARK UP BY: Peter Ibbotson	DRAWING REF:
	DATE: 12/01/2016	REV: 02
MARSHALL DAY Acoustics		Appendix E
	SCALE: 1:2000	

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 Reviewer: C-PM, 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,5050,5051,5052,5053,5054,5055,5056,5057,5058,5059,5060,5061,5062,5063,5064,5065,5066,5067,5068,5069,5070,5071,5072,5073,5074,5075,5076,5077,5078,5079,5080,5081,5082,5083,5084,5085,5086,5087,5088,5089,5090,5091,5092,5093,5094,5095,5096,5097,5098,5099,5100,5101,5102,5103,5104,5105,5106,5107,5108,5109,5110,5111,5112,5113,5114,5115,5116,5117,5118,5119,5120,5121,5122,5123,5124,5125,5126,5127,5128,5129,5130,5131,5132,5133,5134,5135,5136,5137,5138,5139,5140,5141,5142,5143,5144,5145,5146,5147,5148,5149,5150,5151,5152,5153,5154,5155,5156,5157,5158,5159,5160,5161,5162,5163,5164,5165,5166,5167,5168,5169,5170,5171,5172,5173,5174,5175,5176,5177,5178,5179,5180,5181,5182,5183,5184,5185,5186,5187,5188,5189,5190,5191,5192,5193,5194,5195,5196,5197,5198,5199,5200,5201,5202,5203,5204,5205,5206,5207,5208,5209,5210,5211,5212,5213,5214,5215,5216,5217,5218,5219,5220,5221,5222,5223,5224,5225,5226,5227,5228,5229,5230,5231,5232,5233,5234,5235,5236,5237,5238,5239,5240,5241,5242,5243,5244,5245,5246,5247,5248,5249,5250,5251,5252,5253,5254,5255,5256,5257,5258,

LEGEND

- EXISTING DESIGNATION BOUNDARY BRIDGE EXTENTS
- ALTERATION TO EXISTING DESIGNATION BOUNDARY PROPOSED RETAINING WALL
- PROPOSED SHARED USE PATH FILL SLOPE
- PROPOSED BUSWAY CUT SLOPE
- PROPOSED TRANSIT LANE EXISTING CULVERT TO BE RETAINED
- PROPOSED FOOTPATH EXISTING CULVERT TO BE ABANDONED
- PROPOSED CONSTRUCTION YARD PROPOSED CULVERT



- KEY:**
- 70 dB LAeq Contour (Commercial and Residential Day)
 - 75 dB LAeq Contour (Commercial Night)
 - 45 dB LAeq Contour (Residential Night). Dotted line refers to potential for night works at any location. Solid line is shown around areas where night works are definitely required.

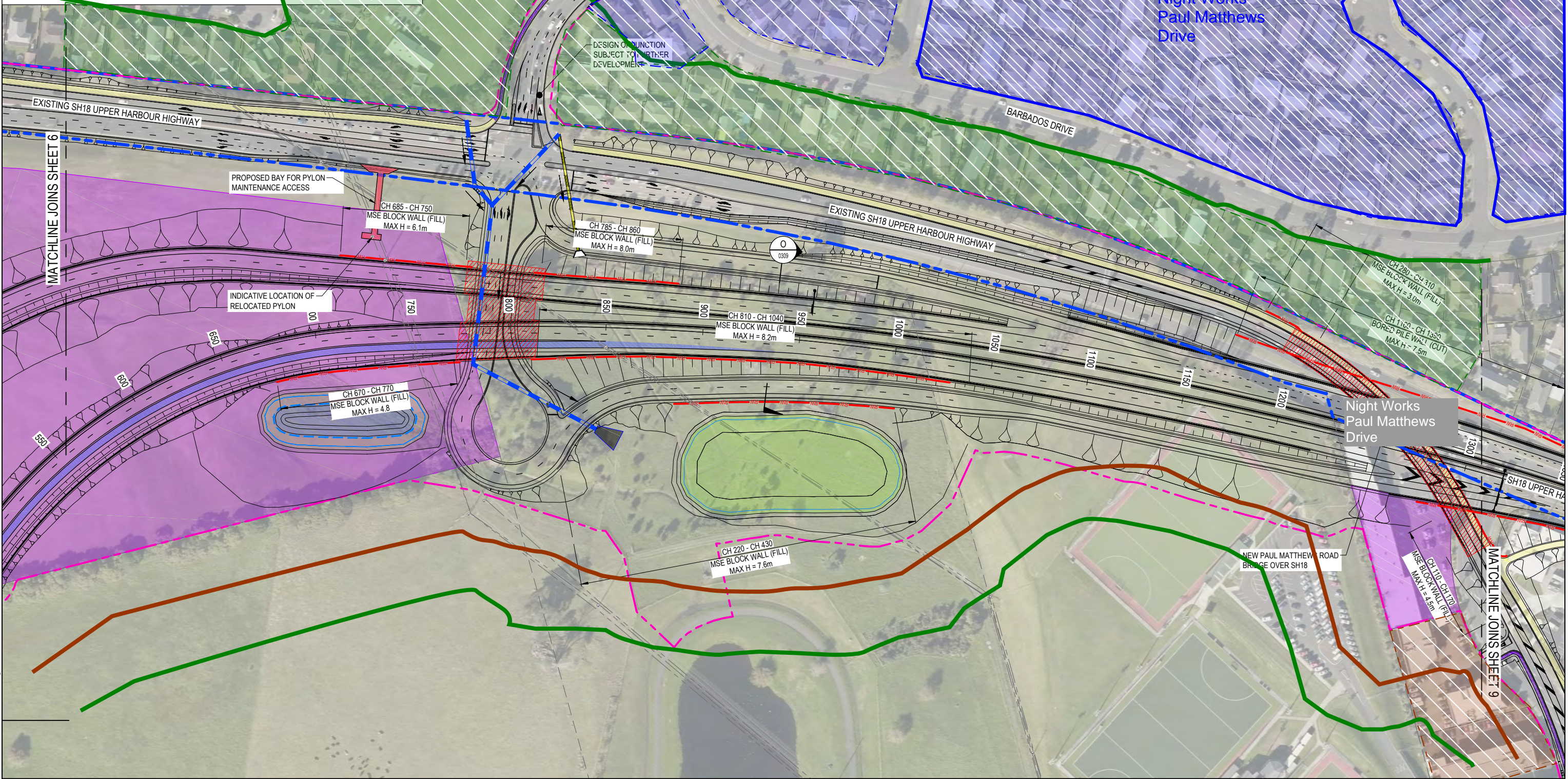
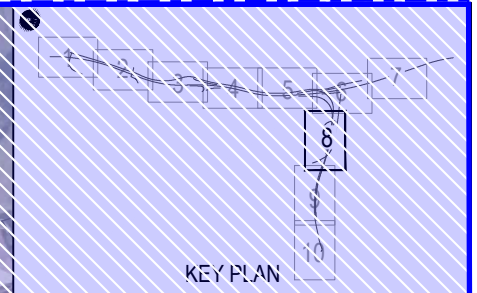
- Zone where properties contain buildings exposed to 70 dB LAeq +
- Zone where properties contain buildings exposed to 75 dB LAeq +
- Zone where properties contain buildings exposed to 45 dB LAeq +

PROJECT: Northern Corridor Improvements		TITLE: Construction Noise Markups	
JOB NO: 2016013C		MARK UP BY: Peter Ibbotson	DRAWING REF:
		DATE: 12/01/2016	REV: 02
		SCALE: 1:2000	Appendix E

Plan Date: 20/01/2016 9:07:46 am. Client: NZMA. File Name: C:\PI\WORK\2016\2016_01_20\2016_01_20_02_01.DWG

LEGEND

EXISTING DESIGNATION BOUNDARY		BRIDGE EXTENTS	
ALTERATION TO EXISTING DESIGNATION BOUNDARY		PROPOSED RETAINING WALL	
PROPOSED SHARED USE PATH		FILL SLOPE	
PROPOSED BUSWAY		CUT SLOPE	
PROPOSED TRANSIT LANE		EXISTING CULVERT TO BE RETAINED	
PROPOSED FOOTPATH		EXISTING CULVERT TO BE ABANDONED	
PROPOSED CONSTRUCTION YARD		PROPOSED CULVERT	



KEY:		70 dB LAeq Contour (Commercial and Residential Day)		Zone where properties contain buildings exposed to 70 dB LAeq +
		75 dB LAeq Contour (Commercial Night)		Zone where properties contain buildings exposed to 75 dB LAeq +
		45 dB LAeq Contour (Residential Night).		Zone where properties contain buildings exposed to 45 dB LAeq +
		Dotted line refers to potential for night works at any location.		
		Solid line is shown around areas where night works are definitely required.		

PROJECT: Northern Corridor Improvements	TITLE: Construction Noise Markups
JOB NO: 2016013C	MARK UP BY: Peter Ibbotson
DATE: 12/01/2016	DRAWING REF: Appendix E
SCALE: 1:2000	REV: 02



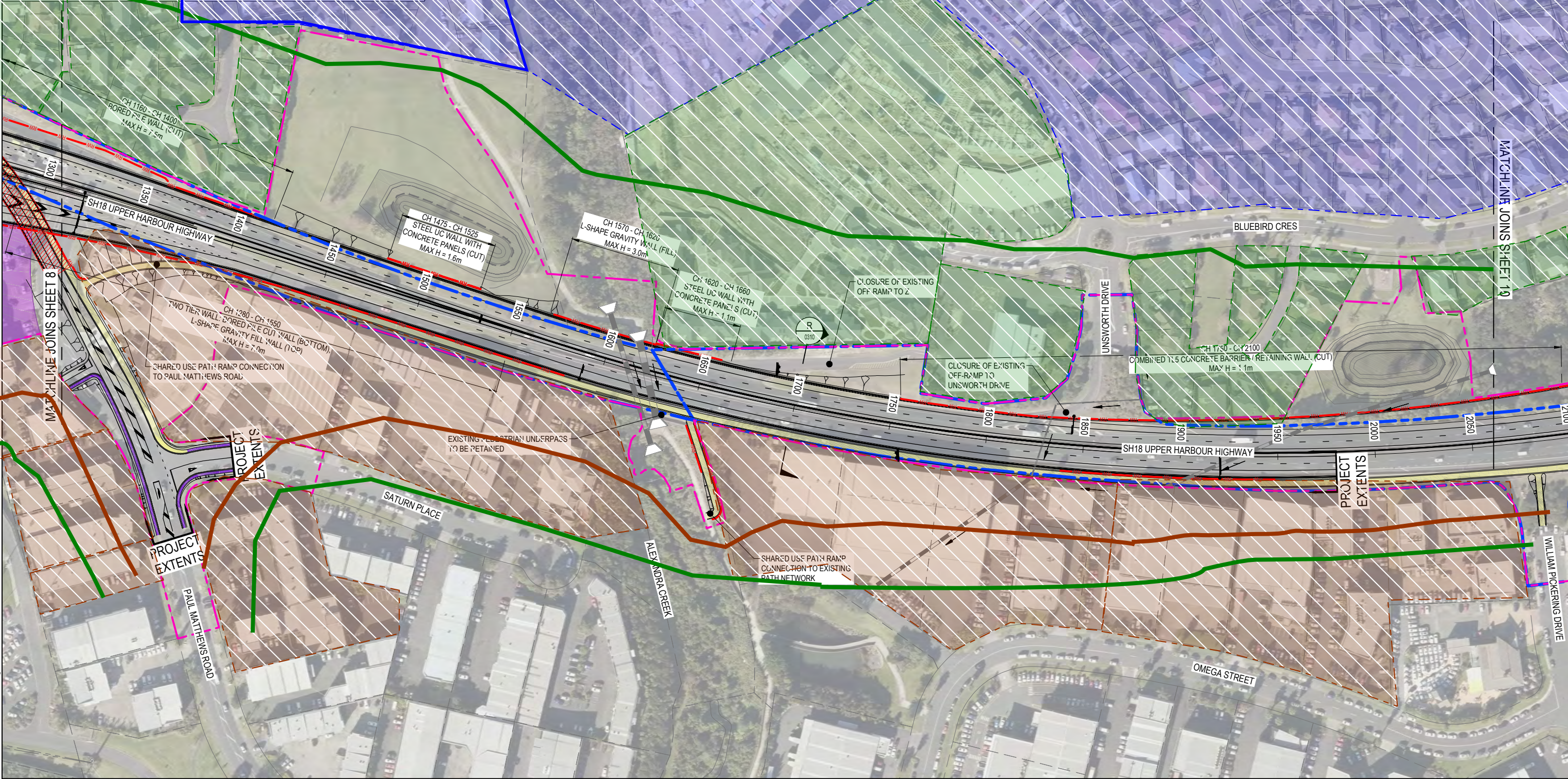
Plot Date: 20/01/2016 9:02:15 am. Client: NZTA. File Name: C:\PI\WORK\2015\2016\2016_01_20_09_02_15.dwg

LEGEND

EXISTING DESIGNATION BOUNDARY	BRIDGE EXTENTS	
ALTERATION TO EXISTING DESIGNATION BOUNDARY	PROPOSED RETAINING WALL	
PROPOSED SHARED USE PATH	FILL SLOPE	
PROPOSED BUSWAY	CUT SLOPE	
PROPOSED TRANSIT LANE	EXISTING CULVERT TO BE RETAINED	
PROPOSED FOOTPATH	EXISTING CULVERT TO BE ABANDONED	
PROPOSED CONSTRUCTION YARD	PROPOSED CULVERT	

Night Works Paul Matthews Drive

KEY PLAN



KEY:

	70 dB LAeq Contour (Commercial and Residential Day)		Zone where properties contain buildings exposed to 70 dB LAeq +
	75 dB LAeq Contour (Commercial Night)		Zone where properties contain buildings exposed to 75 dB LAeq +
	45 dB LAeq Contour (Residential Night). Dotted line refers to potential for night works at any location. Solid line is shown around areas where night works are definitely required.		Zone where properties contain buildings exposed to 45 dB LAeq +

PROJECT: Northern Corridor Improvements	TITLE: Construction Noise Markups	
JOB NO: 2016013C	MARK UP BY: Peter Ibbotson	DRAWING REF:
	DATE: 12/01/2016	Appendix E
	SCALE: 1:2000	REV: 02

MARSHALL DAY Acoustics

Plan Date: 20/01/2016 10:24:10 a.m. Client: NZMA. File Name: C:\PIV\WORK\2013\10258\20130_2PHE_30ES_CAC_2013_02_21.DWG