#### NOISE AND VIBRATION TECHNICAL INFORMATION

APPENDIX D



### APPROVED PROJECT - ACTIVITY NML EXCEEDANCES



Table B1-1 Approved Project - Enabling Works - All Works

Receiver		NML					LAeq(15 Typical Ra	minute) ange	Worst Case LAmax	Total Number of Receivers in	d	mber	of Re	ceive	rs pei	r NML assessme	nt ca	tegor	y1				
NCA	Type4	Day	Day OOH	Evening	Night	Sleep Dist	Lower2	Upper3		Catchment	Day	y			Day	у ООН	Ev	ening			Night	Sleep Distu	ırbance
NCA25	COM	70	70	n/a	n/a	n/a	62	Го 89	>90	46	37	5	4	-	46		46	-	-	-	NA -	 NA	
NCA25	IND	75	75	n/a	n/a	n/a	33	Го 65	70	1	1	-	-	-	1		1	-	-	-	1 -	 NA	
NCA25	OED	55	n/a	n/a	n/a	n/a	56	Го 74	79	5	-	1	4	-	5		5	-	-	-	NA -	 NA	
NCA25	OOP	60	60	60	n/a	n/a	39	Го 73	78	1	-	-	1	-	1		NA	-	-	-	NA -	 NA	
NCA25	OPW	55	55	n/a	n/a	n/a	51	Го 63	68	2	-	2	-	-	-	2	2	-	-	-	NA -	 NA	
NCA25	OTH	50	50	50	50	n/a	32	Го 54	58	1	-	1	-	-	1		1	-	-	-	NA -	 NA	
NCA25	RES	68	63	61	57	67	64	Го >90	>90	169	122	37	8	2	169	9	169	9 -	-	-	169 -	 169	
NCA26A	COM	70	70	n/a	n/a	n/a	71	Го 80	85	91	64	26	1	-	91		91	-	-	-	NA -	 NA	
NCA26A	IND	75	75	n/a	n/a	n/a	65	Го 80	84	6	3	3	-	-	6		6	-	-	-	6 -	 NA	
NCA26A	OED	55	n/a	n/a	n/a	n/a	52	Го 66	71	1	-	-	1	-	1		1	-	-	-	NA -	 NA	
NCA26A	OME	55	55	55	55	55	61	Го 75	80	1	-	-	1	-	1		NA		-	-	NA -	 NA	
NCA26A	OOA	65	65	65	n/a	n/a	58	Го 76	80	3	-	2	1	-	3		3	-	-	-	NA -	 NA	
NCA26A	00P	60	60	60	n/a	n/a	57	Го 75	80	1	-	-	1	-	-	1	NA		-	-	NA -	 NA	
NCA26A	OPW	55	55	n/a	n/a	n/a	55	Го 75	80	4	1	1	1	1	2	2	4	-	-	-	NA -	 NA	
NCA26A	RES	66	61	58	50	60	65	Го 74	79	115	103	12	-	-	115	5	118	5 -	-	-	115 -	 115	
NCA26B	COM	70	70	n/a	n/a	n/a	62	Го 74	79	2	-	2	-	-	2		2	-	-	-	NA -	 NA	
NCA26B	RES	71	66	67	59	71	62	Го 74	78	1	-	1	-	-	1		1	-	-	-	1 -	 1	

**Green** represents the number of receivers compliant with the respective NML.

Yellow represents the number of receivers with NML exceedances of 1 to 10 dB.

**Orange** represents the number of receivers with NML exceedances of 11 to 20 dB.

**Red** represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

Table B1-2 Approved Project - Enabling Works - Support Works Only

Receiver		NML					LAeq(15 Typical F		e)	Worst Case LAmax	Total Number of Receivers	Num	ber o	f Rec	eiver	s per N	IML a	ssessmer	nt cate	gory <sup>1</sup>								
NCA	Type <sup>4</sup>	Day	Day OOH	Evening	Night	Sleep Dist	Lower <sup>2</sup>		Upper <sup>3</sup>	Limax	in Catchment	Day				Day (	OOH		Ever	ning		Nig	ht			Sleep	Dist	urbance
NCA25	COM	70	70	n/a	n/a	n/a	58	То	82	84	46	42	3	1	-	46	-		46	-	-	- NA	-	-	-	NA	-	
NCA25	IND	75	75	n/a	n/a	n/a	<30	To	58	60	1	1	-	-	-	1	-		1	-	-	- 1	-	-	-	NA	-	
NCA25	OED	55	n/a	n/a	n/a	n/a	52	То	67	70	5	1	2	2	-	5	-		5	-	-	- NA	-	-	-	NA	-	
NCA25	OOP	60	60	60	n/a	n/a	35	То	66	68	1	-	1	-	-	1	-		NA	-	-	- NA	-	-	-	NA	-	
NCA25	OPW	55	55	n/a	n/a	n/a	47	То	56	59	2	1	1	-	-	2	-		2	-	-	- NA	-	-	-	NA	-	
NCA25	OTH	50	50	50	50	n/a	<30	То	47	49	1	1	-	-	-	1	-		1	-	-	- NA	-	-	-	NA	-	
NCA25	RES	68	63	61	57	67	60	To	>90	>90	169	147	19	2	1	169	-		169	-	-	- 169	) -	-	-	169	-	
NCA26A	COM	70	70	n/a	n/a	n/a	67	То	73	76	91	89	2	-	-	91	-		91	-	-	- NA	-	-	-	NA	-	
NCA26A	IND	75	75	n/a	n/a	n/a	61	То	73	75	6	6	-	-	-	6	-		6	-	-	- 6	-	-	-	NA	-	
NCA26A	OED	55	n/a	n/a	n/a	n/a	48	То	59	61	1	-	1	-	-	1	-		1	-	-	- NA	-	-	-	NA	-	
NCA26A	OME	55	55	55	55	55	57	То	68	70	1	-	-	1	-	1	-		NA	-	-	- NA	-	-	-	NA	-	
NCA26A	OOA	65	65	65	n/a	n/a	54	То	69	71	3	2	1	-	-	3	-		3	-	-	- NA	-	-	-	NA	-	
NCA26A	OOP	60	60	60	n/a	n/a	53	То	68	70	1	-	1	-	-	1	-		NA	-	-	- NA	-	-	-	NA	-	
NCA26A	OPW	55	55	n/a	n/a	n/a	51	То	68	71	4	2	1	1	-	3	1		4	-	-	- NA	-	-	-	NA	-	
NCA26A	RES	66	61	58	50	60	61	To	67	70	115	112	3	-	-	115	-		115	-	-	- 115	j -	-	-	115	-	
NCA26B	COM	70	70	n/a	n/a	n/a	58	To	67	69	2	2	-	-	-	2	-		2	-	-	- NA	-	-	-	NA	-	
NCA26B	RES	71	66	67	59	71	58	То	67	69	1	1	-	-	-	1	-		1	-	-	- 1	-	-	-	1	-	

**Green** represents the number of receivers compliant with the respective NML.

**Yellow** represents the number of receivers with NML exceedances of 1 to 10 dB.

Orange represents the number of receivers with NML exceedances of 11 to 20 dB.

represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

Table B1-3 Approved Project - Earthworks - All Works

Receiver		NML					LAeq(15 Typical I		e)	Worst Case LAmax	Total Number of Receivers	Num	ber of	Rece	eivers	per N	IML a	ssessm	ent ca	tegor	ry¹								
NCA	Type <sup>4</sup>	Day	Day OOH	Evening	Night	Sleep Dist	Lower <sup>2</sup>		Upper <sup>3</sup>	LAMIUA	in Catchment	Day				Day	/ 00l	1	E	venir	ng		Niç	ght			Sle Dis	ep turba	nce
NCA25	COM	70	70	n/a	n/a	n/a	77	То	89	>90	46	39	4	3	-	-	-		-	-	-	-	-	-	-	-	-	-	
NCA25	IND	75	75	n/a	n/a	n/a	53	To	65	70	1	1	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	
NCA25	OED	55	n/a	n/a	n/a	n/a	53	То	70	76	5	-	2	3	-	-	-		-	-	-	-	-	-	-	-	-	-	
NCA25	OOP	60	60	60	n/a	n/a	62	To	73	78	1	-	-	1	-	-	-		-	-	-	-	-	-	-	-	-	-	
NCA25	OPW	55	55	n/a	n/a	n/a	49	To	60	65	2	-	2	-	-	-	-		-	-	-	-	-	-	-	-	-	-	
NCA25	OTH	50	50	50	50	n/a	42	To	54	59	1	-	1	-	-	-	-		-	-	-	-	-	-	-	-	-	-	
NCA25	RES	68	63	61	57	67	62	To	>90	>90	169	138	27	3	1	-	-		-	-	-	-	-	-	-	-	-	-	
NCA26A	COM	70	70	n/a	n/a	n/a	69	To	80	85	91	68	22	1	-	-	-		-	-	-	-	-	-	-	-	-	-	
NCA26A	IND	75	75	n/a	n/a	n/a	62	To	75	81	6	5	1	-	-	-	-		-	-	-	-	-	-	-	-	-	-	
NCA26A	OED	55	n/a	n/a	n/a	n/a	49	To	62	68	1	-	1	-	-	-	-		-	-	-	-	-	-	-	-	-	-	
NCA26A	OME	55	55	55	55	55	63	To	75	80	1	-	-	1	-	-	-		-	-	-	-	-	-	-	-	-	-	
NCA26A	OOA	65	65	65	n/a	n/a	55	To	71	77	3	1	2	-	-	-	-		-	-	-	-	-	-	-	-	-	-	
NCA26A	OOP	60	60	60	n/a	n/a	55	To	70	77	1	-	-	1	-	-	-		-	-	-	-	-	-	-	-	-	-	
NCA26A	OPW	55	55	n/a	n/a	n/a	52	То	71	77	4	2	1	1	-	-	-		-	-	-	-	-	-	-	-	-	-	
NCA26A	RES	66	61	58	50	60	63	To	74	79	115	104	11	-	-	-	-		-	-	-	-	-	-	-	-	-	-	
NCA26B	COM	70	70	n/a	n/a	n/a	63	To	74	79	2	-	2	-	-	-	-		-	-	-	-	-	-	-	-	-	-	
NCA26B	RES	71	66	67	59	71	62	То	74	79	1	-	1	-	-	-	-		-	-	-	-	-	-	-	-	-	-	

**Green** represents the number of receivers compliant with the respective NML.

**Yellow** represents the number of receivers with NML exceedances of 1 to 10 dB.

Orange represents the number of receivers with NML exceedances of 11 to 20 dB.

represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

Table B1-4 Approved Project - Earthworks - Support Works Only

Receiver		NML					LAeq(15 Typical R			Worst Case LAmax	Total Number of Receivers	Num	ber of	f Rece	eivers	per N	ML a	asses	ssmer	it categ	ory <sup>1</sup>										
NCA	Type⁴	Day	Day OOH	Evening	Night	Sleep Dist	Lower <sup>2</sup>		Upper <sup>3</sup>	Linux	in Catchment	Day				Day	/ 00I	Н		Even	ing		I	Night	t			Sle	ep turba	nce	
NCA25	COM	70	70	n/a	n/a	n/a	76	То	80	84	46	42	4	-	-	-	-	-	-	-	-		-   -		-	-	-	-	-	-	-
NCA25	IND	75	75	n/a	n/a	n/a	52	To	56	60	1	1	-	-	-	-	-	-	-	-	-		-   -		-	-	-	-	-	-	-
NCA25	OED	55	n/a	n/a	n/a	n/a	52	То	63	64	5	1	4	-	-	-	-	-	-	-	-		-   -		-	-	-	-	-	-	-
NCA25	OOP	60	60	60	n/a	n/a	60	To	64	68	1	-	1	-	-	-	-	-	-	-	-		-   -	•	-	-	-	-	-	-	-
NCA25	OPW	55	55	n/a	n/a	n/a	47	To	52	55	2	2	-	-	-	-	-	-	-	-	-		-   -	-	-	-	-	-	-	-	-
NCA25	OTH	50	50	50	50	n/a	41	To	45	48	1	1	-	-	-	-	-	-	-	-	-		-   -	•	-	-	-	-	-	-	-
NCA25	RES	68	63	61	57	67	60	To	90	>90	169	161	6	1	1	-	-	-	-	-	-		-   -	•	-	-	-	-	-	-	-
NCA26A	COM	70	70	n/a	n/a	n/a	67	To	71	75	91	90	1	-	-	-	-	-	-	-	-		-   -	•	-	-	-	-	-	-	-
NCA26A	IND	75	75	n/a	n/a	n/a	61	To	68	69	6	6	-	-	-	-	-	-	-	-	-		-   -	-	-	-	-	-	-	-	-
NCA26A	OED	55	n/a	n/a	n/a	n/a	47	To	54	55	1	1	-	-	-	-	-	-	-	-	-		-   -	-	-	-	-	-	-	-	-
NCA26A	OME	55	55	55	55	55	62	To	66	70	1	-	-	1	-	-	-	-	-	-	-		-   -	-	-	-	-	-	-	-	-
NCA26A	OOA	65	65	65	n/a	n/a	54	To	64	65	3	3	-	-	-	-	-	-	-	-	-		-   -	-	-	-	-	-	-	-	-
NCA26A	OOP	60	60	60	n/a	n/a	53	To	63	64	1	-	1	-	-	-	-	-	-	-	-		-   -	-	-	-	-	-	-	-	-
NCA26A	OPW	55	55	n/a	n/a	n/a	51	To	64	65	4	2	2	-	-	-	-	-	-	-	-		-   -	-	-	-	-	-	-	-	-
NCA26A	RES	66	61	58	50	60	61	To	65	69	115	115	-	-	-	-	-	-	-	-	-		-   -	•	-	-	-	-	-	-	-
NCA26B	COM	70	70	n/a	n/a	n/a	61	To	65	69	2	2	-	-	-	-	-	-	-	-	-	-	- ] -		-	-	-	-	-	-	-
NCA26B	RES	71	66	67	59	71	61	To	65	68	1	1	-	-	-	-	-	-	-	-	-	-	- [-		-	-	-	-	-	-	-

**Green** represents the number of receivers compliant with the respective NML.

Yellow represents the number of receivers with NML exceedances of 1 to 10 dB.

Orange represents the number of receivers with NML exceedances of 11 to 20 dB.

represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

Table B1-5 Approved Project - Excavation Works - All Works

Receiver		NML					LAeq(15 i Typical R		<del>)</del>	Worst Case LAmax	Total Number of Receivers	Num	ber of	Rece	eivers	per N	ML as	sessmen	t categ	ory¹									
NCA	Type <sup>4</sup>	Day	Day OOH	Evening	Night	Sleep Dist	Lower <sup>2</sup>		Upper <sup>3</sup>	Linux	in Catchment	Day				Day	ООН		Ever	ning			Nigh	t			Sleep	Dist	urbance
NCA25	COM	70	70	n/a	n/a	n/a	73	То	89	>90	46	44	1	1	-	44	1	1 -	46	-	-	-	NA	-	-	- 1	NA	-	
NCA25	IND	75	75	n/a	n/a	n/a	49	To	65	69	1	1	-	-	-	1	-		1	-	-	-	1	-	-	-	NA	-	
NCA25	OED	55	n/a	n/a	n/a	n/a	49	То	64	69	5	-	5	-	-	5	-		5	-	-	-	NA	-	-	-	NA	-	
NCA25	OOP	60	60	60	n/a	n/a	58	То	73	78	1	-	-	1	-	-	-	1 -	NA	-	-	-	NA	-	-	-	NA	-	
NCA25	OPW	55	55	n/a	n/a	n/a	45	То	60	65	2	-	2	-	-	-	2		2	-	-	-	NA	-	-	-	NA	-	
NCA25	OTH	50	50	50	50	n/a	38	To	53	58	1	-	1	-	-	-	1		-	1	-	-	NA	-	-	-	NA	-	
NCA25	RES	68	63	61	57	67	58	То	73	78	169	166	3	-	-	156	13		147	20	2	-	110	55	4	-	154	14	1 -
NCA26A	COM	70	70	n/a	n/a	n/a	65	То	80	85	91	71	20	-	-	71	20		91	-	-	-	NA	-	-	-	NA	-	
NCA26A	IND	75	75	n/a	n/a	n/a	58	То	73	78	6	6	-	-	-	6	-		6	-	-	-	6	-	-	-	NA	-	
NCA26A	OED	55	n/a	n/a	n/a	n/a	45	То	60	65	1	-	1	-	-	1	-		1	-	-	-	NA	-	-	-	NA	-	
NCA26A	OME	55	55	55	55	55	59	To	75	80	1	-	-	1	-	-	-	1 -	NA	-	-	-	NA	-	-	-	NA	-	
NCA26A	OOA	65	65	65	n/a	n/a	51	То	67	72	3	2	1	-	-	2	1		2	1	-	-	NA	-	-	-	NA	-	
NCA26A	OOP	60	60	60	n/a	n/a	51	То	66	71	1	-	1	-	-	-	1		NA	-	-	-	NA	-	-	-	NA	-	
NCA26A	OPW	55	55	n/a	n/a	n/a	48	То	64	68	4	2	2	-	-	2	2		4	-	-	-	NA	-	-	-	NA	-	
NCA26A	RES	66	61	58	50	60	59	To	74	79	115	104	11	-	-	90	19	6 -	75	32	8	-	52	34	22	7	68	36	11 -
NCA26B	COM	70	70	n/a	n/a	n/a	59	To	74	79	2	-	2	-	-	-	2		2	-	-	-	NA	-	-	-	NA	-	
NCA26B	RES	71	66	67	59	71	58	То	73	78	1	-	1	-	-	-	1		-	1	-	-	-	-	1	-	-	1	

**Green** represents the number of receivers compliant with the respective NML.

Yellow represents the number of receivers with NML exceedances of 1 to 10 dB.

Orange represents the number of receivers with NML exceedances of 11 to 20 dB.

**Red** represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

Table B1-6 Approved Project - Excavation Works - Support Works Only

Receiver		NML					LAeq(15 Typical F		•	Worst Case LAmax	Total Number of Receivers	Num	oer of Red	eiver	s per N	ML a	ssessmei	nt cate	gory¹							
NCA	Type <sup>4</sup>	Day	Day OOH	Evening	Night	Sleep Dist	Lower <sup>2</sup>		Upper <sup>3</sup>	27 11110.00	in Catchment	Day			Day (	OOH		Ever	ing	Nigh	nt			Sleep Distu	rbance	a
NCA25	COM	70	70	n/a	n/a	n/a	72	То	76	78	46	45	1 -	-	45	1		46	-	 NA	-	-	-	NA	-	
NCA25	IND	75	75	n/a	n/a	n/a	48	To	52	54	1	1		-	1	-		1	-	 1	-	-	-	NA	-	
NCA25	OED	55	n/a	n/a	n/a	n/a	48	То	52	54	5	5		-	5	-		5	-	 NA	-	-		NA	-	
NCA25	OOP	60	60	60	n/a	n/a	56	То	60	62	1	-	1 -	-	-	1		NA	-	 NA	-	-		NA	-	
NCA25	OPW	55	55	n/a	n/a	n/a	43	То	47	49	2	2		-	2	-		2	-	 NA	-	-		NA	-	
NCA25	OTH	50	50	50	50	n/a	37	То	41	43	1	1		-	1	-		1	-	 NA	-	-	-	NA	-	
NCA25	RES	68	63	61	57	67	56	То	60	62	169	169		-	169	-		169	-	 167	2	-		169	-	
NCA26A	COM	70	70	n/a	n/a	n/a	63	То	67	69	91	91		-	91	-		91	-	 NA	-	-		NA	-	
NCA26A	IND	75	75	n/a	n/a	n/a	57	То	61	62	6	6		-	6	-		6	-	 6	-	-		NA	-	
NCA26A	OED	55	n/a	n/a	n/a	n/a	43	То	47	49	1	1		-	1	-		1	-	 NA	-	-		NA	-	
NCA26A	OME	55	55	55	55	55	58	То	62	64	1	-	1 -	-	-	1		NA	-	 NA	-	-		NA	-	
NCA26A	OOA	65	65	65	n/a	n/a	50	То	54	56	3	3		-	3	-		3	-	 NA	-	-		NA	-	
NCA26A	OOP	60	60	60	n/a	n/a	49	То	53	55	1	1		-	1	-		NA	-	 NA	-	-		NA	-	
NCA26A	OPW	55	55	n/a	n/a	n/a	47	To	51	53	4	4		-	4	-		4	-	 NA	-	-	-	NA	-	
NCA26A	RES	66	61	58	50	60	57	To	61	63	115	115		-	112	3		109	6	 98	13	4	-	109	6	
NCA26B	COM	70	70	n/a	n/a	n/a	57	To	61	63	2	2		-	2	-		2	-	 NA	-	-	-	NA	-	
NCA26B	RES	71	66	67	59	71	57	То	61	63	1	1		-	1	-		1	-	 -	1	-	-	1	-	

**Green** represents the number of receivers compliant with the respective NML.

**Yellow** represents the number of receivers with NML exceedances of 1 to 10 dB.

**Orange** represents the number of receivers with NML exceedances of 11 to 20 dB.

**Red** represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

Table B1-7 Approved Project - Construction Works - All Works

Receiver		NML					LAeq(15   Typical R		e)	Worst Case LAmax	Total Number of Receivers	Num	per of	Rece	eivers	per N	ML as	sessn	ment	catego	ry¹							
NCA	Type⁴	Day	Day OOH	Evening	Night	Sleep Dist	Lower <sup>2</sup>		Upper <sup>3</sup>	Littlex	in Catchment	Day				Day	ООН			Even	ing	Nig	ht			Slee Dist	p urband	ce
NCA25	COM	70	70	n/a	n/a	n/a	73	To	80	80	46	42	4	-	-	-	-	-	-	-	-	 -	-	-	-	-	-	
NCA25	IND	75	75	n/a	n/a	n/a	49	To	56	56	1	1	-	-	-	-	-	-	-	-	-	 -	-	-	-	-	-	
NCA25	OED	55	n/a	n/a	n/a	n/a	49	To	62	64	5	1	4	-	-	-	-	-	-	-	-	 .   -	-	-	-	-	-	
NCA25	OOP	60	60	60	n/a	n/a	58	To	64	64	1	-	1	-	-	-	-	-	-	-	-	 -	-	-	-	-	-	
NCA25	OPW	55	55	n/a	n/a	n/a	45	To	51	53	2	2	-	-	-	-	-	-	-	-	-	 -	-	-	-	-	-	
NCA25	OTH	50	50	50	50	n/a	38	To	45	45	1	1	-	-	-	-	-	-	-	-	-	 .   -	-	-	-	-	-	
NCA25	RES	68	63	61	57	67	58	To	89	>90	169	163	4	1	1	-	-	-	-	-	-	 -	-	-	-	·	-	
NCA26A	COM	70	70	n/a	n/a	n/a	65	To	71	71	91	90	1	-	-	-	-	-	-	-	-	 -	-	-	-	-	-	
NCA26A	IND	75	75	n/a	n/a	n/a	58	To	67	69	6	6	-	-	-	-	-	-	-	-	-	 -	-	-	-	-	-	
NCA26A	OED	55	n/a	n/a	n/a	n/a	45	To	54	56	1	1	-	-	-	-	-	-	-	-	-	 -	-	-	-	-	-	
NCA26A	OME	55	55	55	55	55	59	To	66	66	1	-	-	1	-	-	-	-	-	-	-	 -	-	-		-	-	
NCA26A	OOA	65	65	65	n/a	n/a	51	To	63	65	3	3	-	-	-	-	-	-	-	-	-	 -	-	-	-	-	-	
NCA26A	OOP	60	60	60	n/a	n/a	51	To	62	64	1	-	1	-	-	-	-	-	-	-	-	 -	-	-	-	-	-	
NCA26A	OPW	55	55	n/a	n/a	n/a	48	To	63	65	4	2	2	-	-	-	-	-	-	-	-	 	-	-	-	-	-	
NCA26A	RES	66	61	58	50	60	59	To	65	66	115	115	-	-	-	-	-	-	-	-	-	 	-	-	-	-	-	
NCA26B	COM	70	70	n/a	n/a	n/a	59	To	65	65	2	2	-	-	-	-	-	-	-	-	-	 -	-	-	-	-		
NCA26B	RES	71	66	67	59	71	58	To	65	65	1	1	-	-	-	-	-	-	-	-	-	 	-	-	-	-	-	

**Green** represents the number of receivers compliant with the respective NML.

Yellow represents the number of receivers with NML exceedances of 1 to 10 dB.

Orange represents the number of receivers with NML exceedances of 11 to 20 dB.

represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

Table B1-8 **Approved Project - Construction Works - Support Works Only** 

Receiver		NML					LAeq(15 I Typical R			Worst Case LAmax	Total Number of Receivers	Num	ber of	Rece	eivers	per NI	VIL as	sessr	ment (	catego	ry¹								
NCA	Type⁴	Day	Day OOH	Evening	Night	Sleep Dist	Lower <sup>2</sup>	Up	per <sup>3</sup>	27 111000	in Catchment	Day				Day	ООН			Even	ing		Ni	ght			eep sturba	ance	
NCA25	COM	70	70	n/a	n/a	n/a	73	To 80		80	46	42	4	-	-	-	-	-	-	-	-	-	-   -		-	 -	-	-	-
NCA25	IND	75	75	n/a	n/a	n/a	49	To 56		56	1	1	-	-	-	-	-	-	-	-	-	-	-   -		-	 -	-	-	-
NCA25	OED	55	n/a	n/a	n/a	n/a	49	To 62		64	5	1	4	-	-	-	-	-	-	-	-	-	-   -		-	 -	-	-	-
NCA25	00P	60	60	60	n/a	n/a	58	To 64		64	1	-	1	-	-	-	-	-	-	-	-	-	-   -		-	 -	-	-	-
NCA25	OPW	55	55	n/a	n/a	n/a	45	To 51		53	2	2	-	-	-	-	-	-	-	-	-	-	-   -		-	 -	-	-	-
NCA25	OTH	50	50	50	50	n/a	38	To 45		45	1	1	-	-	-	-	-	-	-	-	-	-	-   -		-	 -	-	-	-
NCA25	RES	68	63	61	57	67	58	To 89		>90	169	163	4	1	1	-	-	-	-	-	-	-	-   -		-	 -	_	-	-
NCA26A	COM	70	70	n/a	n/a	n/a	65	To 71		71	91	90	1	-	-	-	-	-	-	-	-	-			-	 -	-	-	-
NCA26A	IND	75	75	n/a	n/a	n/a	58	To 67		69	6	6	-	-	-	-	-	-	-	-	-	-	-   -		-	 -	-	-	-
NCA26A	OED	55	n/a	n/a	n/a	n/a	45	To 54		56	1	1	-	-	-	-	-	-	-	-	-	-	-   -		-	 -	_	-	-
NCA26A	OME	55	55	55	55	55	59	To 66		66	1	-	-	1	-	-	-	-	-	-	-	-			-	 -	-	-	-
NCA26A	AOO	65	65	65	n/a	n/a	51	To 63		65	3	3	-	-	-	-	-	-	-	-	-	-			-	 -	-	-	-
NCA26A	OOP	60	60	60	n/a	n/a	51	To 62		64	1	-	1	-	-	-	-	-	-	-	-	-	-   -		-	 -	-	-	-
NCA26A	OPW	55	55	n/a	n/a	n/a	48	To 63		65	4	2	2	-	-	-	-	-	-	-	-	-	-   -		-	 -	-	-	-
NCA26A	RES	66	61	58	50	60	59	To 65		66	115	115	-	-	-	-	-	-	-	-	-	-	-   -		-	 -	-	-	-
NCA26B	COM	70	70	n/a	n/a	n/a	59	To 65		65	2	2	-	-	-	-	-	-	-	-	-	-	-   -		-	 -	-	-	-
NCA26B	RES	71	66	67	59	71	58	To 65		65	1	1	-	-	-	-	-	-	-	-	-	-	-   -		-	 -	-	-	-

**Green** represents the number of receivers compliant with the respective NML.

**Yellow** represents the number of receivers with NML exceedances of 1 to 10 dB.

Orange represents the number of receivers with NML exceedances of 11 to 20 dB.

represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

## MODIFICATION - ACTIVITY NML EXCEEDANCES



Table B2-1 Modification - Enabling Works - All Works

Receiver		NML					LAeq(15 mi Typical Ran	•	Case	Total Number of Receivers in Catchment	Number of Receivers	per NML assessment	category1		
NCA	Type4	Day	Day OOH	Evening	Night	Sleep Dist	Lower2	Upper3			Day	Day OOH	Evening	Night	Sleep Disturbance
NCA25	COM	70	70	n/a	n/a	n/a	64	Го 75	80	46	46	45 1	46	NA	NA
NCA25	IND	75	75	n/a	n/a	n/a	50	Го 62	66	1	1	1	1	1	NA
NCA25	OED	55	n/a	n/a	n/a	n/a	55	Го 64	69	5	1 4	5	5	NA	NA
NCA25	OOP	60	60	60	n/a	n/a	56	Го 66	71	1	- 1	- 1	NA	NA	NA
NCA25	OPW	55	55	n/a	n/a	n/a	51	Го 60	64	2	1 1	- 2	2	NA	NA
NCA25	OTH	50	50	50	50	n/a	41	Го 49	54	1	1	1	1	NA	NA
NCA25	RES	68	63	61	57	67	68	Го 70	79	169	168 1	159 10	154 15	121 44 4 -	156 12 1 -
NCA26A	COM	70	70	n/a	n/a	n/a	78	Го >90	>90	91	81 6 2 2	79 10 1 1	91	NA	NA
NCA26A	IND	75	75	n/a	n/a	n/a	60	Го 69	74	6	6	6	6	6	NA
NCA26A	OED	55	n/a	n/a	n/a	n/a	44	Го 61	65	1	1	1	1	NA	NA
NCA26A	OME	55	55	55	55	55	81	Го 89	>90	1	1	1	NA	NA	NA
NCA26A	OOA	65	65	65	n/a	n/a	54	Го 63	68	3	3	3	3	NA	NA
NCA26A	OOP	60	60	60	n/a	n/a	55	Го 66	71	1	1	- 1	NA	NA	NA
NCA26A	OPW	55	55	n/a	n/a	n/a	54	Го 64	69	4	4	2 2	4	NA	NA
NCA26A	RES	66	61	58	50	60	>90	Го >90	>90	115	109 3 1 2	103 7 3 2	94 16 2 3	62 38 10 5	81 28 3 3
NCA26B	COM	70	70	n/a	n/a	n/a	86	Го >90	>90	2	2	- 2	2	NA	NA
NCA26B	RES	71	66	67	59	71	85	Го >90	>90	1	1	1 -	1 -	1	1 -

**Green** represents the number of receivers compliant with the respective NML.

Yellow represents the number of receivers with NML exceedances of 1 to 10 dB.

**Orange** represents the number of receivers with NML exceedances of 11 to 20 dB.

**Red** represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

Table B2-2 Modification - Enabling Works - Support Works Only

Receiver		NML					LAeq(15 Typical I			Worst Case LAmax	Total Number of Receivers	Num	ber o	f Rec	eiver	s per N	ML a	ssessmer	ıt categ	ory <sup>1</sup>									
NCA	Type <sup>4</sup>	Day	Day OOH	Evening	Night	Sleep Dist	Lower <sup>2</sup>	ι	Jpper <sup>3</sup>	LAIIIUX	in Catchment	Day				Day	ООН		Ever	ning			Night	t			Sleep	Dist	urbance
NCA25	COM	70	70	n/a	n/a	n/a	54	To 6	66	71	46	46	-	-	-	46	-		46	-	-	-	NA	-	-	-	NA	-	
NCA25	IND	75	75	n/a	n/a	n/a	43	To 5	55	60	1	1	-	-	-	1	-		1	-	-	-	1	-	-	-	NA	-	
NCA25	OED	55	n/a	n/a	n/a	n/a	46	To 5	57	63	5	1	4	-	-	5	-		5	-	-	-	NA	-	-	-	NA	-	
NCA25	OOP	60	60	60	n/a	n/a	49	To 6	06	66	1	-	1	-	-	1	-		NA	-	-	-	NA	-	-	-	NA	-	
NCA25	OPW	55	55	n/a	n/a	n/a	44	To 5	6	61	2	1	1	-	-	2	-		2	-	-	-	NA	-	-	-	NA	-	
NCA25	OTH	50	50	50	50	n/a	34	To 4	16	51	1	1	-	-	-	1	-		1	-	-	-	NA	-	-	-	NA	-	
NCA25	RES	68	63	61	57	67	68	To 6	88	79	169	168	1	-	-	167	2		166	3	-	-	160	8	1	-	167	1	1 -
NCA26A	COM	70	70	n/a	n/a	n/a	74	To >	90	>90	91	86	1	2	2	89	1	- 1	91	-	-	-	NA	-	-	-	NA	-	
NCA26A	IND	75	75	n/a	n/a	n/a	53	To 6	62	63	6	6	-	-	-	6	-		6	-	-	-	6	-	-	-	NA	-	
NCA26A	OED	55	n/a	n/a	n/a	n/a	41	To 5	54	54	1	1	-	-	-	1	-		1	-	-	-	NA	-	-	-	NA	-	
NCA26A	OME	55	55	55	55	55	77	To 8	37	>90	1	-	-	-	1	-	-	1 -	NA	-	-	-	NA	-		-	NA	-	-
NCA26A	OOA	65	65	65	n/a	n/a	47	To 5	6	57	3	3	-	-	-	3	-		3	-	-	-	NA	-	-	-	NA	-	
NCA26A	OOP	60	60	60	n/a	n/a	49	To 5	59	59	1	1	-	-	-	1	-		NA	-	-	-	NA	-	-	-	NA	-	
NCA26A	OPW	55	55	n/a	n/a	n/a	48	To 5	57	58	4	4	-	-	-	3	1		4	-	-	-	NA	-	-	-	NA	-	
NCA26A	RES	66	61	58	50	60	>90	To >	90	>90	115	110	2	1	2	110	2	3 -	109	3	3	-	90	20	2	3	110	2	3 -
NCA26B	COM	70	70	n/a	n/a	n/a	83	To >	90	>90	2	-	-	-	2	-	2		2	-	-	-	NA	-	-	-	NA	-	
NCA26B	RES	71	66	67	59	71	82	To >	90	>90	1	-	-	-	1	-	1		-	1	-	-	-	-	1	-	-	1	

**Green** represents the number of receivers compliant with the respective NML.

**Yellow** represents the number of receivers with NML exceedances of 1 to 10 dB.

**Orange** represents the number of receivers with NML exceedances of 11 to 20 dB.

represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

Table B2-3 Modification - Earthworks - All Works

Receiver		NML					LAeq(15 Typical I		·)	Worst Case LAmax	Total Number of Receivers	Num	ber c	f Rece	eivers	per N	IML a	ssess	ment	categ	ory <sup>1</sup>										
NCA	Type <sup>4</sup>	Day	Day OOH	Evening	Night	Sleep Dist	Lower <sup>2</sup>		Upper <sup>3</sup>	Littlex	in Catchment	Day				Day	ООН			Ever	ning			Nig	ht			Sle Dis	ep turba	nce	
NCA25	COM	70	70	n/a	n/a	n/a	58	To	69	74	46	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA25	IND	75	75	n/a	n/a	n/a	47	To	59	63	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA25	OED	55	n/a	n/a	n/a	n/a	50	To	61	66	5	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA25	00P	60	60	60	n/a	n/a	53	To	64	69	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA25	OPW	55	55	n/a	n/a	n/a	48	To	59	64	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA25	OTH	50	50	50	50	n/a	38	To	50	54	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA25	RES	68	63	61	57	67	68	To	68	79	169	168	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26A	COM	70	70	n/a	n/a	n/a	75	To	87	>90	91	81	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26A	IND	75	75	n/a	n/a	n/a	49	To	57	62	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26A	OED	55	n/a	n/a	n/a	n/a	35		44	50	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26A	OME	55	55	55	55	55	78	То	90	>90	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26A	OOA	65	65	65	n/a	n/a	43	To	50	56	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26A	OOP	60	60	60	n/a	n/a	43	To	52	57	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26A	OPW	55	55	n/a	n/a	n/a	44	To	51	57	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26A	RES	66	61	58	50	60	>90		>90	>90	115	109	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26B	COM	70	70	n/a	n/a	n/a	84	То	>90	>90	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26B	RES	71	66	67	59	71	83	То	>90	>90	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Green** represents the number of receivers compliant with the respective NML.

Yellow represents the number of receivers with NML exceedances of 1 to 10 dB.

**Orange** represents the number of receivers with NML exceedances of 11 to 20 dB.

**Red** represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

Table B2-4 Modification - Earthworks - Support Works Only

Receiver		NML					LAeq(15 Typical		<del>)</del>	Worst Case LAmax	Total Number of Receivers	Num	ber o	f Rec	eivers	per l	NML a	isses	smen	cate	gory <sup>1</sup>	l									
NCA	Type⁴	Day	Day OOH	Evening	Night	Sleep Dist	Lower <sup>2</sup>		Upper <sup>3</sup>	Limax	in Catchment	Day				Day	00F			Eve	ning			Nig	ht			Slee Dist	ep turba	nce	
NCA25	COM	70	70	n/a	n/a	n/a	56	To	60	64	46	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA25	IND	75	75	n/a	n/a	n/a	46	To	50	50	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA25	OED	55	n/a	n/a	n/a	n/a	48	То	52	55	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA25	OOP	60	60	60	n/a	n/a	51	To	55	56	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA25	OPW	55	55	n/a	n/a	n/a	46	То	50	51	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA25	OTH	50	50	50	50	n/a	37	То	41	41	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA25	RES	68	63	61	57	67	68	То	68	79	169	168	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26A	COM	70	70	n/a	n/a	n/a	74	То	78	78	91	88	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26A	IND	75	75	n/a	n/a	n/a	48	То	50	58	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26A	OED	55	n/a	n/a	n/a	n/a	35	To	37	44	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26A	OME	55	55	55	55	55	77	То	81	81	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26A	OOA	65	65	65	n/a	n/a	43	To	44	53	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26A	OOP	60	60	60	n/a	n/a	42	То	44	53	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26A	OPW	55	55	n/a	n/a	n/a	43	To	44	53	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26A	RES	66	61	58	50	60	>90	To	>90	>90	115	112	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26B	COM	70	70	n/a	n/a	n/a	82	To	86	87	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26B	RES	71	66	67	59	71	81	To	85	86	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Green** represents the number of receivers compliant with the respective NML.

Yellow represents the number of receivers with NML exceedances of 1 to 10 dB.

Orange represents the number of receivers with NML exceedances of 11 to 20 dB.

**Red** represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

Table B2-5 Modification - Excavation Works - All Works

Receiver		NML					LAeq(15 Typical F		e)	Worst Case LAmax	Total Number of Receivers	Num	ber o	f Rece	eivers	per NI	VIL as	sessm	nent o	atego	ry¹								
NCA	Type <sup>4</sup>	Day	Day OOH	Evening	Night	Sleep Dist	Lower <sup>2</sup>		Upper <sup>3</sup>	LAMIUX	in Catchment	Day				Day (	ООН			Even	ing		Nig	ht			Slee	p Dist	turbance
NCA25	COM	70	70	n/a	n/a	n/a	65	To	75	80	46	46	-	-	-	45	1	-	-	46	-	-	- NA	-	-	-	NA	-	
NCA25	IND	75	75	n/a	n/a	n/a	43	To	61	66	1	1	-	-	-	1	-	-	-	1	-	-	- 1	-	-	-	NA	-	
NCA25	OED	55	n/a	n/a	n/a	n/a	55	То	64	69	5	1	4	-	-	5	-	-	-	5	-	-	- NA	-	-	-	NA	-	
NCA25	OOP	60	60	60	n/a	n/a	57	To	66	71	1	-	1	-	-		1	-	-	NA	-	-	- NA	-	-	-	NA	-	
NCA25	OPW	55	55	n/a	n/a	n/a	51	To	59	64	2	1	1	-	-		2	-	-	2	-	-	- NA	-	-	-	NA	-	
NCA25	OTH	50	50	50	50	n/a	34	To	49	54	1	1	-	-	-	1	-	-	-	1	-	-	- NA	-	-	-	NA	-	
NCA25	RES	68	63	61	57	67	68	To	70	79	169	168	1	-	-	159	10	-	-	154	15	-	- 121	44	4	-	156	12	1 -
NCA26A	COM	70	70	n/a	n/a	n/a	71	To	87	>90	91	81	7	3	-	79	12	-	-	91	-	-	- NA	-	-	-	NA	-	
NCA26A	IND	75	75	n/a	n/a	n/a	61	To	69	74	6	6	-	-	-	6	-	-	-	6	-	-	- 6	-	-	-	NA	-	
NCA26A	OED	55	n/a	n/a	n/a	n/a	45	To	61	65	1	1	-	-	-	1	-	-	-	1	-	-	- NA	-	-	-	NA	-	
NCA26A	OME	55	55	55	55	55	74	To	89	>90	1	-	-	-	1	-	-	-	1	NA	-	-	- NA	-	-	-	NA	-	
NCA26A	OOA	65	65	65	n/a	n/a	55	To	63	68	3	3	-	-	-	3	-	-	-	3	-	-	- NA	-	-	-	NA	-	
NCA26A	OOP	60	60	60	n/a	n/a	56	To	66	71	1	1	-	-	-		1	-	-	NA	1	-	- NA	-	-	-	NA	-	
NCA26A	OPW	55	55	n/a	n/a	n/a	54	To	64	69	4	4	-	-	-	2	2	-	-	4	-	-	- NA	-	-	-	NA	-	
NCA26A	RES	66	61	58	50	60	>90	To	>90	>90	115	109	3	2	1	105	6	3	1	98	12	4	1 84	18	8	5	89	20	3 3
NCA26B	COM	70	70	n/a	n/a	n/a	80	To	>90	>90	2	-	-	-	2	-	-	2	-	2	-	-	- NA	-	-	-	NA	-	
NCA26B	RES	71	66	67	59	71	79	To	>90	>90	1	-	-	-	1	-	-	-	1	-	-	1		-	-	1	-	-	1 -

Green represents the number of receivers compliant with the respective NML.

Yellow represents the number of receivers with NML exceedances of 1 to 10 dB.

Orange represents the number of receivers with NML exceedances of 11 to 20 dB.

**Red** represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

Table B2-6 Modification - Excavation Works - Support Works Only

Receiver		NML					LAeq(15 Typical I	•	Worst Case LAmax	Total Number of Receivers	Num	ber o	f Rec	eivers	per N	ML as	ssessm	ent c	atego	ory <sup>1</sup>									
NCA	Type <sup>4</sup>	Day	Day OOH	Evening	Night	Sleep Dist	Lower <sup>2</sup>	Uppe		in Catchment	Day				Day (	ООН		E	Eveni	ng			Night	t			Slee	Dist	urbance
NCA25	COM	70	70	n/a	n/a	n/a	54	To 62	64	46	46	-	-	-	46	-		4	16	-	-	-	NA	-	-	-	NA	-	
NCA25	IND	75	75	n/a	n/a	n/a	43	To 52	53	1	1	-	-	-	1	-		. 1	1	-	-	-	1	-	-	-	NA	-	
NCA25	OED	55	n/a	n/a	n/a	n/a	46	To 54	56	5	5	-	-	-	5	-			5	-	-	-	NA	-	-	-	NA	-	
NCA25	OOP	60	60	60	n/a	n/a	49	To 57	59	1	1	-	-	-	1	-		. 1	NΑ	-	-	-	NA	-	-	-	NA	-	
NCA25	OPW	55	55	n/a	n/a	n/a	44	To 52	54	2	2	-	-	-	2	-		. 2	2	-	-	-	NA	-	-		NA	-	
NCA25	OTH	50	50	50	50	n/a	34	To 42	44	1	1	-	-	-	1	-		. 1	1	-	-	-	NA	-	-	-	NA	-	
NCA25	RES	68	63	61	57	67	68	To 68	79	169	168	1	-	-	168	1		. 1	168	1	-	-	165	3	1		167	1	1 -
NCA26A	COM	70	70	n/a	n/a	n/a	71	To 80	81	91	87	4	-	-	87	4			91	-	-	-	NA	-	-		NA	-	
NCA26A	IND	75	75	n/a	n/a	n/a	53	To 56	59	6	6	-	-	-	6	-		. 6	6	-	-	-	6	-	-		NA	-	
NCA26A	OED	55	n/a	n/a	n/a	n/a	38	To 48	49	1	1	-	-	-	1	-		. 1	1	-	-	-	NA	-	-		NA	-	
NCA26A	OME	55	55	55	55	55	74	To 82	84	1	-	-	-	1	-	-	- 1	l N	NA	-	-	-	NA	-	-		NA	-	
NCA26A	OOA	65	65	65	n/a	n/a	47	To 50	54	3	3	-	-	-	3	-			3	-	-	-	NA	-	-		NA	-	
NCA26A	OOP	60	60	60	n/a	n/a	48	To 53	54	1	1	-	-	-	1	-			NA	-	-	-	NA	-	-		NA	-	
NCA26A	OPW	55	55	n/a	n/a	n/a	46	To 51	54	4	4	-	-	-	4	-		4	1	-	-	-	NA	-	-	-	NA	-	
NCA26A	RES	66	61	58	50	60	>90	To >90	>90	115	112	1	1	1	110	2	2 1	1	109	3	2	1	100	10	2	3	109	3	2 1
NCA26B	COM	70	70	n/a	n/a	n/a	80	To 88	90	2	-	-	2	-	-	-	2 -	2	2	-	-	-	NA	-	-		NA	-	
NCA26B	RES	71	66	67	59	71	79	To 87	89	1	-	-	1	-	-	-	- 1	-		-	1	-	-	-	-	1	-	-	1 -

**Green** represents the number of receivers compliant with the respective NML.

Yellow represents the number of receivers with NML exceedances of 1 to 10 dB.

**Orange** represents the number of receivers with NML exceedances of 11 to 20 dB.

represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

Table B2-7 Modification - Construction Works - All Works

Receiver		NML					LAeq(15 Typical F		e)	Worst Case LAmax	Total Number of Receivers	Num	ber o	f Rec	eiver	s per N	IML a	ssessmen	t categ	ory <sup>1</sup>								
NCA	Type <sup>4</sup>	Day	Day OOH	Evening	Night	Sleep Dist	Lower <sup>2</sup>		Upper <sup>3</sup>	LAIIIUX	in Catchment	Day				Day	ООН		Ever	ing		Ni	ght			Slee	p Dis	turbance
NCA25	COM	70	70	n/a	n/a	n/a	57	To 8	82	82	46	43	2	1	-	43	2	1 -	46	-	-	- N/	٠ -		-	NA	-	
NCA25	IND	75	75	n/a	n/a	n/a	41	To 5	54	54	1	1	-	-	-	1	-		1	-	-	- 1	-			NA	-	
NCA25	OED	55	n/a	n/a	n/a	n/a	47	To 6	60	61	5	2	3	-	-	5	-		5	-	-	- N/	٠ -			NA	-	
NCA25	OOP	60	60	60	n/a	n/a	47	To 6	60	60	1	1	-	-	-	1	-		NA	-	-	- N/	٠ -		-	NA	-	
NCA25	OPW	55	55	n/a	n/a	n/a	42	To 5	55	55	2	2	-	-	-	2	-		2	-	-	- N/	٠ -			NA	-	
NCA25	OTH	50	50	50	50	n/a	32	To 4	43	44	1	1	-	-	-	1	-		1	-	-	- N/	٠ -			NA	-	
NCA25	RES	68	63	61	57	67	68	To 8	80	80	169	165	2	2	-	165	2	2 -	164	3	2	- 15	2 ′	13 2	2 2	164	2	3 -
NCA26A	COM	70	70	n/a	n/a	n/a	69	To 7	78	78	91	85	6	-	-	91	-		91	-	-	- N/	٠ -			NA	-	
NCA26A	IND	75	75	n/a	n/a	n/a	52	To 6	65	65	6	6	-	-	-	6	-		6	-	-	- 6	-			NA	-	
NCA26A	OED	55	n/a	n/a	n/a	n/a	44	To 5	54	55	1	1	-	-	-	1	-		1	-	-	- N/	٠ -			NA	-	
NCA26A	OME	55	55	55	55	55	72	To 8	81	81	1	-	-	-	1	-	-	1 -	NA	-	-	- N/	٠ -		-	NA	-	
NCA26A	OOA	65	65	65	n/a	n/a	47	To 5	59	60	3	3	-	-	-	3	-		3	-	-	- N/	٠ -		-	NA	-	
NCA26A	OOP	60	60	60	n/a	n/a	47	To 5	59	60	1	1	-	-	-	1	-		NA	-	-	- N/	٠ -		-	NA	-	
NCA26A	OPW	55	55	n/a	n/a	n/a	45	To 5	56	56	4	3	1	-	-	3	1		4	-	-	- N/	٠ -		-	NA	-	
NCA26A	RES	66	61	58	50	60	89	To >	>90	>90	115	111	3	-	1	110	4	1 -	108	5	2	- 80	2	29 !	5 1	109	5	1 -
NCA26B	COM	70	70	n/a	n/a	n/a	78	To 8	86	86	2	-	-	2	-	-	2		2	-	-	- N/	٠ -		-	NA	-	
NCA26B	RES	71	66	67	59	71	77	To 8	85	85	1	-	-	1	-	-	1		-	1	-		-		1 -	1	-	

**Green** represents the number of receivers compliant with the respective NML.

Yellow represents the number of receivers with NML exceedances of 1 to 10 dB.

Orange represents the number of receivers with NML exceedances of 11 to 20 dB.

**Red** represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

Table B2-8 Modification - Construction Works - Support Works Only

Receiver		NML					LAeq(15 Typical		<del>)</del>	Worst Case LAmax	Total Number of Receivers	Num	ber o	f Rec	eivers	s per N	ML a	ssessmer	t categ	ory <sup>1</sup>									
NCA	Type <sup>4</sup>	Day	Day OOH	Evening	Night	Sleep Dist	Lower <sup>2</sup>		Upper <sup>3</sup>	Limax	in Catchment	Day				Day	ООН		Ever	ning			Nigh	t			Sleep	Dist	urbance
NCA25	COM	70	70	n/a	n/a	n/a	57	To	82	82	46	43	2	1	-	43	2	1 -	46	-	-	-	NA	-	-	-	NA	-	
NCA25	IND	75	75	n/a	n/a	n/a	41	To	54	54	1	1	-	-	-	1	-		1	-	-	-	1	-	-	-	NA	-	
NCA25	OED	55	n/a	n/a	n/a	n/a	47	To	60	61	5	2	3	-	-	5	-		5	-	-	-	NA	-	-	-	NA	-	
NCA25	00P	60	60	60	n/a	n/a	47	To	60	60	1	1	-	-	-	1	-		NA	-	-	-	NA	-	-	-	NA	-	
NCA25	OPW	55	55	n/a	n/a	n/a	42	To	55	55	2	2	-	-	-	2	-		2	-	-	-	NA	-	-	-	NA	-	
NCA25	OTH	50	50	50	50	n/a	32	To	43	44	1	1	-	-	-	1	-		1	-	-	-	NA	-	-	-	NA	-	
NCA25	RES	68	63	61	57	67	68	To	80	80	169	165	2	2	-	165	2	2 -	164	3	2	-	152	13	2	2	164	2	3 -
NCA26A	COM	70	70	n/a	n/a	n/a	69		78	78	91	85	6	-	-	91	-		91	-	-	-	NA	-	-	-	NA	-	
NCA26A	IND	75	75	n/a	n/a	n/a	52	To	65	65	6	6	-	-	-	6	-		6	-	-	-	6	-	-	-	NA	-	
NCA26A	OED	55	n/a	n/a	n/a	n/a	44	То	54	55	1	1	-	-	-	1	-		1	-	-	-	NA	-	-	-	NA	-	
NCA26A	OME	55	55	55	55	55	72	To	81	81	1	-	-	-	1	-	-	1 -	NA	-	-	-	NA	-	-	-	NA	-	
NCA26A	OOA	65	65	65	n/a	n/a	47	To	59	60	3	3	-	-	-	3	-		3	-	-	-	NA	-	-	-	NA	-	
NCA26A	OOP	60	60	60	n/a	n/a	47	To	59	60	1	1	-	-	-	1	-		NA	-	-	-	NA	-	-	-	NA	-	
NCA26A	OPW	55	55	n/a	n/a	n/a	45	То	56	56	4	3	1	-	-	3	1		4	-	-	-	NA	-	-	-	NA	-	
NCA26A	RES	66	61	58	50	60	89		>90	>90	115	111	3	-	1	110	4	1 -	108	5	2	-	80	29	5	1	109	5	1 -
NCA26B	COM	70	70	n/a	n/a	n/a	78	To	86	86	2	-	-	2	-	-	2		2	-	-	-	NA	-	-	-	NA	-	
NCA26B	RES	71	66	67	59	71	77	To	85	85	1	-	-	1	-	-	1		-	1	-	-	-	-	1	-	1	-	

**Green** represents the number of receivers compliant with the respective NML.

Yellow represents the number of receivers with NML exceedances of 1 to 10 dB.

Orange represents the number of receivers with NML exceedances of 11 to 20 dB.

**Red** represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

# MODIFICATION PLUS APPROVED PROJECT - ACTIVITY NML EXCEEDANCES



Table B3-1 Modification plus Approved Project - Enabling Works - All Works

Receiver		NML					LAeq(15 Typical F		Worst Case LAmax	Total Number of Receivers in	Num	ber c	f Rec	eiver	s per	NML	assessme	ent cat	egory	1								
NCA	Type <sup>4</sup>	Day	Day OOH	Evening	Night	Sleep Dist	Lower <sup>2</sup>	Upper <sup>3</sup>	Limux	Catchment	Day				Day	ООН		Eve	ening		Nig	ght			Sleep	Distu	ırbance	е
NCA25	COM	70	70	n/a	n/a	n/a	64	To 89	>90	46	37	5	4	-	45	1		46	-		NA		-	-	NA -			$\dashv$
NCA25	IND	75	75	n/a	n/a	n/a	50	To 65	70	1	1	-	-	-	1	-		1	-		1	-	-	-	NA -		-	
NCA25	OED	55	n/a	n/a	n/a	n/a	56	To 74	79	5	-	1	4	-	5	-		5	-		NA	-	-	-	NA -	-		
NCA25	OOP	60	60	60	n/a	n/a	56	To 73	78	1	-	-	1	-	-	1		NA	-		NA		-	-	NA -			
NCA25	OPW	55	55	n/a	n/a	n/a	51	To 63	68	2	-	2	-	-	-	2		2	-		NA		-	-	NA -			
NCA25	OTH	50	50	50	50	n/a	41	To 54	58	1	-	1	-	-	1	-		1	-		NA		-	-	NA -			
NCA25	RES	68	63	61	57	67	68	To >90	>90	169	122	37	8	2	159	10		154	15		121	1 44	4	-	156	12 1	1 -	
NCA26A	COM	70	70	n/a	n/a	n/a	78	To >90	>90	91	59	27	3	2	79	10	1 1	91	-		NA		-	-	NA -			
NCA26A	IND	75	75	n/a	n/a	n/a	65	To 80	84	6	3	3	-	-	6	-		6	-		6	-	-	-	NA -			
NCA26A	OED	55	n/a	n/a	n/a	n/a	52	To 66	71	1	-	-	1	-	1	-		1	-		NA	-	-	-	NA -			
NCA26A	OME	55	55	55	55	55	81	To 89	>90	1	-	-	-	1	-	-	- 1	NA	-		NA	٠-	-		NA -			
NCA26A	OOA	65	65	65	n/a	n/a	58	To 76	80	3	-	2	1	-	3	-		3	-		NA	-	-	-	NA -			
NCA26A	OOP	60	60	60	n/a	n/a	57	To 75	80	1	-	-	1	-	-	1		NA	-		NA	-	-	-	NA -			
NCA26A	OPW	55	55	n/a	n/a	n/a	55	To 75	80	4	1	1	1	1	2	2		4	-		NA	٠-	-	-	NA -	-		
NCA26A	RES	66	61	58	50	60	>90	To >90	>90	115	103	9	1	2	103	7	3 2	94	16	2 3	62	38	10	5	81	28 3	3 3	
NCA26B	COM	70	70	n/a	n/a	n/a	86	To >90	>90	2	-	-	-	2	-	2		2	-		NA	-	-	-	NA -			
NCA26B	RES	71	66	67	59	71	85	To >90	>90	1	-	-	-	1	-	-	1 -	-	-	1 -	-	-	-	1		. 1	1 -	

Green represents the number of receivers compliant with the respective NML.

Yellow represents the number of receivers with NML exceedances of 1 to 10 dB.

Orange represents the number of receivers with NML exceedances of 11 to 20 dB.

Red represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

Table B3-2 Modification plus Approved Project - Enabling Works – Support Works Only

Receiver		NML					LAeq(15 Typical F		)	Worst Case LAmax	Total Number of Receivers	Num	ber of	Rece	eiver	s per N	IML a	ssessme	nt cate	gory <sup>1</sup>									
NCA	Type <sup>4</sup>	Day	Day OOH	Evening	Night	Sleep Dist	Lower <sup>2</sup>		Upper <sup>3</sup>	2 max	in Catchment	Day				Day (	OOH		Evei	ning			Nigh	t			Slee	p Dist	turbance
NCA25	COM	70	70	n/a	n/a	n/a	58	To	82	84	46	42	3	1	-	46	-		46	-	-	-	NA	-	-	-	NA	-	
NCA25	IND	75	75	n/a	n/a	n/a	43	To	58	60	1	1	-	-	-	1	-		1	-	-	-	1	-	-	-	NA	-	
NCA25	OED	55	n/a	n/a	n/a	n/a	52	To	67	70	5	1	2	2	-	5	-		5	-	-	-	NA	-	-	-	NA	-	
NCA25	OOP	60	60	60	n/a	n/a	49	To	66	68	1	•	1	-	-	1	-		NA	-	-	-	NA	-	-	-	NA	-	
NCA25	OPW	55	55	n/a	n/a	n/a	47	To	56	61	2	1	1	-	-	2	-		2	-	-	-	NA	-	-	-	NA	-	
NCA25	OTH	50	50	50	50	n/a	34	To	47	51	1	1	-	-		1	-		1	-	-	-	NA	-	-	-	NA	-	
NCA25	RES	68	63	61	57	67	68	To	>90	>90	169	147	19	2	1	167	2		166	3	-	-	160	8	1	-	167	1	1 -
NCA26A	COM	70	70	n/a	n/a	n/a	74	To	>90	>90	91	84	3	2	2	89	1	- 1	91	-	-	-	NA	-	-	-	NA	-	
NCA26A	IND	75	75	n/a	n/a	n/a	61	To	73	75	6	6	-	-	-	6	-		6	-	-	-	6	-	-	-	NA	-	
NCA26A	OED	55	n/a	n/a	n/a	n/a	48	To	59	61	1	•	1	-	-	1	-		1	-	-	-	NA	-	-	-	NA	-	
NCA26A	OME	55	55	55	55	55	77	To	87	>90	1	ı	-	-	1	•	-	1 -	NA	-	-	-	NA	-	-	-	NA	-	
NCA26A	OOA	65	65	65	n/a	n/a	54	To	69	71	3	2	1	-	-	3	-		3	-	-	-	NA	-	-	-	NA	-	
NCA26A	OOP	60	60	60	n/a	n/a	53	To	68	70	1	•	1	-	-	1	-		NA	-	-	-	NA	-	-	-	NA	-	
NCA26A	OPW	55	55	n/a	n/a	n/a	51	To	68	71	4	2	1	1	-	3	1		4	-	-	-	NA	-	-	-	NA	-	
NCA26A	RES	66	61	58	50	60	>90	To	>90	>90	115	110	2	1	2	110	2	3 -	109	3	3	-	90	20	2	3	110	2	3 -
NCA26B	COM	70	70	n/a	n/a	n/a	83	To	>90	>90	2	-	-	-	2	-	2		2	-	-	-	NA	-	-	-	NA	-	
NCA26B	RES	71	66	67	59	71	82	То	>90	>90	1	-	-	-	1	-	1		-	1	-	-	-	-	1	-	-	1	

**Green** represents the number of receivers compliant with the respective NML.

Yellow represents the number of receivers with NML exceedances of 1 to 10 dB.

Orange represents the number of receivers with NML exceedances of 11 to 20 dB.

represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

Table B3-3 Modification plus Approved Project - Earthworks – All Works

Receiver		NML					LAeq(15 Typical R		e)	Worst Case LAmax	Total Number of Receivers	Num	ber of	Rece	eivers	per N	IML a	ssess	ment	cate	gory <sup>1</sup>										
NCA	Type⁴	Day	Day OOH	Evening	Night	Sleep Dist	Lower <sup>2</sup>		Upper <sup>3</sup>	Littlax	in Catchment	Day				Day	/ 00l	Н		Eve	ning			Nig	ht			Sle Dis	ep turba	ınce	
NCA25	COM	70	70	n/a	n/a	n/a	77	To	89	>90	46	39	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$\overline{}$
NCA25	IND	75	75	n/a	n/a	n/a	53	To	65	70	1	1	-	-	-	-	-	-	-		-	-	-	-	-	-	-	ı	-	-	
NCA25	OED	55	n/a	n/a	n/a	n/a	53	То	70	76	5	-	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	_
NCA25	OOP	60	60	60	n/a	n/a	62	To	73	78	1	-	-	1	-	-	-	-	-	•	-	-	-	-	-	-	-	-	-	-	-
NCA25	OPW	55	55	n/a	n/a	n/a	49	To	60	65	2	-	2	-	-	-	-	-	-	•	-	-	-	-	-	-	-	-	-	-	-
NCA25	OTH	50	50	50	50	n/a	42	To	54	59	1	-	1	-	-	-	-	-	-	•	-	-	-	-	-	-	-		-	-	-
NCA25	RES	68	63	61	57	67	68	To	>90	>90	169	138	27	3	1	-	-	-	-	•	-	-	-	-	-	-	-	ı	-	-	-
NCA26A	COM	70	70	n/a	n/a	n/a	75	To	87	>90	91	63	24	4	-	-	-	-	-	•	-	-	-	-	-	-	-	-	-	-	-
NCA26A	IND	75	75	n/a	n/a	n/a	62	To	75	81	6	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26A	OED	55	n/a	n/a	n/a	n/a	49	To	62	68	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26A	OME	55	55	55	55	55	78	To	90	>90	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26A	OOA	65	65	65	n/a	n/a	56	То	71	77	3	1	2	-	-	-	-	-	-		-	-	-	-	-	-	-		-	-	-
NCA26A	OOP	60	60	60	n/a	n/a	55	To	70	77	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26A	OPW	55	55	n/a	n/a	n/a	52	To	71	77	4	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA26A	RES	66	61	58	50	60	>90	To	>90	>90	115	104	8	2	1	-	-	-	-	-	-	-	-	-	-	-	-	•	-	-	-
NCA26B	COM	70	70	n/a	n/a	n/a	84	To	>90	>90	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
NCA26B	RES	71	66	67	59	71	83	To	>90	>90	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_

**Green** represents the number of receivers compliant with the respective NML.

**Yellow** represents the number of receivers with NML exceedances of 1 to 10 dB.

Orange represents the number of receivers with NML exceedances of 11 to 20 dB.

**Red** represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

Table B3-4 Modification plus Approved Project - Earthworks - Support Works Only

Receiver		NML					LAeq(15 Typical R			Worst Case LAmax	Total Number of Receivers	Num	ber of	Rece	eivers	per N	IML a	asses	ssmer	nt cateo	jory¹									
NCA	Type⁴	Day	Day OOH	Evening	Night	Sleep Dist	Lower <sup>2</sup>		Upper <sup>3</sup>	Linux	in Catchment	Day				Day	00	Н		Ever	ing			Nigh	1			Slee <sub>l</sub> Distu		се
NCA25	COM	70	70	n/a	n/a	n/a	76	То	80	84	46	42	4	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
NCA25	IND	75	75	n/a	n/a	n/a	52	To	56	60	1	1	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
NCA25	OED	55	n/a	n/a	n/a	n/a	52	То	63	64	5	1	4	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
NCA25	OOP	60	60	60	n/a	n/a	60	To	64	68	1	-	1	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
NCA25	OPW	55	55	n/a	n/a	n/a	47	To	52	55	2	2	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
NCA25	OTH	50	50	50	50	n/a	41	To	45	48	1	1	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
NCA25	RES	68	63	61	57	67	68	To	90	>90	169	161	6	1	1	-	-	-	-	-	-	-	-	-		-	-	-	-	
NCA26A	COM	70	70	n/a	n/a	n/a	74	To	78	78	91	87	4	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
NCA26A	IND	75	75	n/a	n/a	n/a	61	To	68	69	6	6	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
NCA26A	OED	55	n/a	n/a	n/a	n/a	48	To	54	56	1	1	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
NCA26A	OME	55	55	55	55	55	77	To	81	81	1	-	-	-	1	-	-	-	-	-	-	-	-	-		-	-	-	-	
NCA26A	OOA	65	65	65	n/a	n/a	54	To	64	65	3	3	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
NCA26A	OOP	60	60	60	n/a	n/a	53	To	63	64	1	•	1	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
NCA26A	OPW	55	55	n/a	n/a	n/a	51	To	64	65	4	2	2	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
NCA26A	RES	66	61	58	50	60	>90	To	>90	>90	115	112	2	-	1	-	-	-	-	-	-	-	-	-		-	- ]	-	-	
NCA26B	COM	70	70	n/a	n/a	n/a	82	To	86	87	2	-	-	2	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
NCA26B	RES	71	66	67	59	71	81	To	85	86	1	-	-	1	-	-	-	-	-	-	-	-	-	-			-	-	-	

**Green** represents the number of receivers compliant with the respective NML.

**Yellow** represents the number of receivers with NML exceedances of 1 to 10 dB.

Orange represents the number of receivers with NML exceedances of 11 to 20 dB.

**Red** represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

Table B3-5 Modification plus Approved Project - Excavation Works - All Works

Receiver		NML					LAeq(15 r Typical R		e)	Worst Case LAmax	Total Number of Receivers	Num	oer of	Rece	eiver	s per N	ML as	ssessm	nent	categ	ory <sup>1</sup>									
NCA	Type <sup>4</sup>	Day	Day OOH	Evening	Night	Sleep Dist	Lower <sup>2</sup>		Upper <sup>3</sup>	D illiux	in Catchment	Day				Day C	ЮН			Eveni	ng			Nigh	t			Slee	p Dist	turbance
NCA25	COM	70	70	n/a	n/a	n/a	73	То	89	>90	46	44	1	1	-	44	1	1	-	46	-	-	-	NA	-	-	-	NA	-	
NCA25	IND	75	75	n/a	n/a	n/a	49	To	65	69	1	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	NA	-	
NCA25	OED	55	n/a	n/a	n/a	n/a	55	To	64	69	5	-	5	-	-	5	-	-	-	5	-	-	-	NA	-	-		NA	-	
NCA25	00P	60	60	60	n/a	n/a	58	То	73	78	1	-	-	1	-	-	-	1	-	NA	-	-	-	NA	-	-		NA	-	
NCA25	OPW	55	55	n/a	n/a	n/a	51	To	60	65	2	-	2	-	-	-	2	-	-	2	-	-	-	NA	-	-	-	NA	-	
NCA25	OTH	50	50	50	50	n/a	38	To	53	58	1	-	1	-	-	-	1	-	-	-	1	-	-	NA	-	-	-	NA	-	
NCA25	RES	68	63	61	57	67	68	To	73	79	169	165	4	-	-	155	14	-	-	144	23	2	-	110	54	5	-	150	17	2 -
NCA26A	COM	70	70	n/a	n/a	n/a	71	To	87	>90	91	66	22	3	-	67	24	-	-	91	-	-	-	NA	-	-	-	NA	-	
NCA26A	IND	75	75	n/a	n/a	n/a	61	To	73	78	6	6	-	-	-	6	-	-	-	6	-	-	-	6	-	-	-	NA	-	
NCA26A	OED	55	n/a	n/a	n/a	n/a	45	To	61	65	1	-	1	-	-	1	-	-	-	1	-	-	-	NA	-	-	-	NA	-	
NCA26A	OME	55	55	55	55	55	74	To	89	>90	1	-	-	-	1	-	-	-	1	NA	-	-	-	NA	-	-	-	NA	-	
NCA26A	OOA	65	65	65	n/a	n/a	55	To	67	72	3	2	1	-	-	2	1	-	-	2	1	-	-	NA	-	-	-	NA	-	
NCA26A	OOP	60	60	60	n/a	n/a	56	To	66	71	1	-	1	-	-	-	1	-	-	NA	-	-	-	NA	-	-	-	NA	-	
NCA26A	OPW	55	55	n/a	n/a	n/a	54	To	64	69	4	2	2	-	-	2	2	-	- [	4	-	-	-	NA	-	-	-	NA	-	
NCA26A	RES	66	61	58	50	60	>90	To	>90	>90	115	104	8	2	1	90	19	5	1	75	32	7	1	52	34	22	7	68	35	9 3
NCA26B	COM	70	70	n/a	n/a	n/a	80	То	>90	>90	2	-	-	-	2	-	-	2	-	2	-	-	-	NA	-	-	-	NA	-	
NCA26B	RES	71	66	67	59	71	79	To	>90	>90	1	-	-	-	1	-	-	-	1	-	-	1	-	-	-	-	1	-	-	1 -

**Green** represents the number of receivers compliant with the respective NML.

**Yellow** represents the number of receivers with NML exceedances of 1 to 10 dB.

Orange represents the number of receivers with NML exceedances of 11 to 20 dB.

Red represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

Table B3-6 Modification plus Approved Project - Excavation Works - Support Works Only

Receiver		NML					LAeq(15 Typical I		•	Worst Case LAmax	Total Number of Receivers	Num	ber of	Recei	vers p	oer NN	/IL ass	sessme	nt cate	gory <sup>1</sup>									
NCA	Type⁴	Day	Day OOH	Evening	Night	Sleep Dist	Lower <sup>2</sup>		Upper <sup>3</sup>		in Catchment	Day			1	Day O	ОН		Ever	ing			Night	:			Sleep Distu		ce
NCA25	COM	70	70	n/a	n/a	n/a	72	То	76	78	46	45	1		. 4	15	1		46	-	-	- 1	NA	-	-	-	NA	-	
NCA25	IND	75	75	n/a	n/a	n/a	48	To	52	54	1	1	-		. 1	1	-		1	-	-	-	1	-	-	-	NA	-	
NCA25	OED	55	n/a	n/a	n/a	n/a	48	To	54	56	5	5	-			5	-		5	-	-	-	NA	-	-	-	NA	-	
NCA25	00P	60	60	60	n/a	n/a	56	То	60	62	1	•	1		.   -		1		NA	-	-	-	NA	-	-	-	NA	-	
NCA25	OPW	55	55	n/a	n/a	n/a	44	То	52	54	2	2	-		. 2	2	-		2	-	-	-	NA	-	-	-	NA	-	
NCA25	OTH	50	50	50	50	n/a	37	То	42	44	1	1	-		. 1	1	-		1	-	-	-	NA	-	-	-	NA	-	
NCA25	RES	68	63	61	57	67	68	То	68	79	169	168	1		. 1	168	1		168	1	-	-	165	3	1	-	167	1	1 -
NCA26A	COM	70	70	n/a	n/a	n/a	71	То	80	81	91	87	4		. 8	37	4		91	-	-	-	NA	-	-	-	NA	-	
NCA26A	IND	75	75	n/a	n/a	n/a	57	To	61	64	6	6	-		. (	6	-		6	-	-	-	6	-	-	-	NA	-	
NCA26A	OED	55	n/a	n/a	n/a	n/a	44	To	48	50	1	1	-		. 1	1	-		1	-	-	-	NA	-	-	-	NA	-	
NCA26A	OME	55	55	55	55	55	74	To	82	84	1	•	-	- '	1 -		-	- 1	NA	-	-	-	NA	-	-	-	NA	-	
NCA26A	OOA	65	65	65	n/a	n/a	50	То	54	57	3	3	-			3	-		3	-	-	-	NA	-	-	-	NA	-	
NCA26A	00P	60	60	60	n/a	n/a	49	То	53	56	1	1	-			1	-		NA	-	-	-	NA	-	-	-	NA	-	
NCA26A	OPW	55	55	n/a	n/a	n/a	47	To	51	54	4	4	-		. 4	1	-		4	-	-	-	NA	-	-	-	NA	-	
NCA26A	RES	66	61	58	50	60	>90	To	>90	>90	115	112	1	1 '	1 1	110	2	2 1	109	3	2	1	94	16	2	3	109	3	2 1
NCA26B	COM	70	70	n/a	n/a	n/a	80	To	88	90	2	-	-	2 -	.   -		-	2 -	2	-	-	-	NA	-	-	-	NA	-	
NCA26B	RES	71	66	67	59	71	79	To	87	89	1	-	-	1 -			-	- 1	-	-	1	-	-	-	-	1	-	-	1 -

**Green** represents the number of receivers compliant with the respective NML.

**Yellow** represents the number of receivers with NML exceedances of 1 to 10 dB.

**Orange** represents the number of receivers with NML exceedances of 11 to 20 dB.

represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

Table B3-7 Modification plus Approved Project - Construction Works - All Works

Receiver		NML					LAeq(15 r Typical R	,	Worst Case LAmax	Total Number of Receivers	Num	oer of	Rece	eivers	per NN	/IL as	sessment	catego	ry¹								
NCA	Type <sup>4</sup>	Day	Day OOH	Evening	Night	Sleep Dist	Lower <sup>2</sup>	Upper <sup>3</sup>		in Catchment	Day				Day (	OOH		Ever	ning		Ni	ght			Slee <sub> </sub> Distu	o Irban	ce
NCA25	COM	70	70	n/a	n/a	n/a	73	To 82	82	46	40	5	1	-	43	2	1 -	46	-	-	- NA	١	-		NA	-	
NCA25	IND	75	75	n/a	n/a	n/a	49	To 56	56	1	1	-	-	-	1	-		1	-	-	- 1			-	NA	-	
NCA25	OED	55	n/a	n/a	n/a	n/a	49	To 62	64	5	1	4	-	-	5	-		5	-	-	- NA	١			NA	-	
NCA25	OOP	60	60	60	n/a	n/a	58	To 64	64	1	-	1	-	-	1	-		NA	-	-	- NA	١			NA	-	
NCA25	OPW	55	55	n/a	n/a	n/a	45	To 55	55	2	2	-	-	-	2	-		2	-	-	- NA	١	-		NA	-	
NCA25	OTH	50	50	50	50	n/a	38	To 45	45	1	1	-	-	-	1	-		1	-	-	- NA	١			NA	-	
NCA25	RES	68	63	61	57	67	68	To 89	>90	169	160	5	3	1	165	2	2 -	164	3	2	- 15	2	13	2 2	164	2	3 -
NCA26A	COM	70	70	n/a	n/a	n/a	69	To 78	78	91	85	6	-	-	91	-		91	-	-	- NA	١			NA	-	
NCA26A	IND	75	75	n/a	n/a	n/a	58	To 67	69	6	6	-	-	-	6	-		6	-	-	- 6			-	NA	-	
NCA26A	OED	55	n/a	n/a	n/a	n/a	45	To 54	56	1	1	-	-	-	1	-		1	-	-	- NA	١		-	NA	-	
NCA26A	OME	55	55	55	55	55	72	To 81	81	1	-	-	-	1	-	-	1 -	NA	-	-	- NA	١		-	NA	-	
NCA26A	OOA	65	65	65	n/a	n/a	52	To 63	65	3	3	-	-	-	3	-		3	-	-	- NA	١		-	NA	-	
NCA26A	OOP	60	60	60	n/a	n/a	51	To 62	65	1	-	1	-	-	1	-		NA	-	-	- NA	١		-	NA	-	
NCA26A	OPW	55	55	n/a	n/a	n/a	48	To 63	65	4	2	2	-	-	3	1		4	-	-	- NA	١		<u> </u>	NA	-	
NCA26A	RES	66	61	58	50	60	89	To >90	>90	115	111	3	-	1	110	4	1 -	108	5	2	- 80		29	5 1	109	5	1 -
NCA26B	COM	70	70	n/a	n/a	n/a	78	To 86	86	2	-	-	2	-	-	2		2	-	-	- NA	١		<u> </u>	NA	-	
NCA26B	RES	71	66	67	59	71	77	To 85	85	1	-	-	1	-	-	1		-	1	-	-   -		-	1 -	1	-	

**Green** represents the number of receivers compliant with the respective NML.

**Yellow** represents the number of receivers with NML exceedances of 1 to 10 dB.

**Orange** represents the number of receivers with NML exceedances of 11 to 20 dB.

**Red** represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

Table B3-8 Modification plus Approved Project - Construction Works - Support Works Only

Receiver		NML					LAeq(15 r Typical R		Worst Case LAmax	Total Number of Receivers	Num	ber of	Rec	eivers	per NI	/IL as	sessm	ent c	atego	ry¹									
NCA	Type <sup>4</sup>	Day	Day OOH	Evening	Night	Sleep Dist	Lower <sup>2</sup>	Upper		in Catchment	Day				Day (	OOH			Even	ing		Ni	ght				leep isturl	banc	е
NCA25	COM	70	70	n/a	n/a	n/a	73	To 82	82	46	40	5	1	-	43	2	1	-	46	-	-	- N	4	-		- N	A	-	
NCA25	IND	75	75	n/a	n/a	n/a	49	To 56	56	1	1	-	-	-	1	-	-	-	1	-	-	- 1		-		- N	A	-	
NCA25	OED	55	n/a	n/a	n/a	n/a	49	To 62	64	5	1	4	-	-	5	-	-	-	5	-	-	- N	4	-		- N	A	-	
NCA25	OOP	60	60	60	n/a	n/a	58	To 64	64	1	-	1	-	-	1	-	-	-	NA	-	-	- N	4	-		- N	Α	-	
NCA25	OPW	55	55	n/a	n/a	n/a	45	To 55	55	2	2	-	-	-	2	-	-	-	2	-	-	- N	4	-		- N	A	-	
NCA25	OTH	50	50	50	50	n/a	38	To 45	45	1	1	-	-	-	1	-	-	-	1	-	-	- N	4	-		- N	A	-	
NCA25	RES	68	63	61	57	67	68	To 89	>90	169	160	5	3	1	165	2	2	-	164	3	2	- 15	2	13	2 2	2 10	64	2	3 -
NCA26A	COM	70	70	n/a	n/a	n/a	69	To 78	78	91	85	6	-	-	91	-	-	-	91	-	-	- N	4	-		- N	A	-	
NCA26A	IND	75	75	n/a	n/a	n/a	58	To 67	69	6	6	-	-	-	6	-	-	-	6	-	-	- 6		-		- N	Α	-	
NCA26A	OED	55	n/a	n/a	n/a	n/a	45	To 54	56	1	1	-	-	-	1	-	-	-	1	-	-	- N	4	-		- N	A	-	
NCA26A	OME	55	55	55	55	55	72	To 81	81	1	-	-	-	1	-	-	1	-	NA	-	-	- N	4	-		- N	A	-	
NCA26A	OOA	65	65	65	n/a	n/a	52	To 63	65	3	3	-	-	-	3	-	-	-	3	-	-	- N	4	-		- N	A	-	
NCA26A	OOP	60	60	60	n/a	n/a	51	To 62	65	1	-	1	-	-	1	-	-	-	NA	-	-	- N	4	-		- N	Α	-	
NCA26A	OPW	55	55	n/a	n/a	n/a	48	To 63	65	4	2	2	-	-	3	1	-	-	4	-	-	- N	4	-		- N	A	-	
NCA26A	RES	66	61	58	50	60	89	To >90	>90	115	111	3	-	1	110	4	1	-	108	5	2	- 80	)	29	5	1 1	)9	5	1 -
NCA26B	COM	70	70	n/a	n/a	n/a	78	To 86	86	2	-	-	2	-	-	2	-	-	2	-	-	- N	4	-		- N	Α	-	
NCA26B	RES	71	66	67	59	71	77	To 85	85	1	-	-	1	-	-	1	-	-	-	1	-	-   -		-	1 .	- 1		-	

**Green** represents the number of receivers compliant with the respective NML.

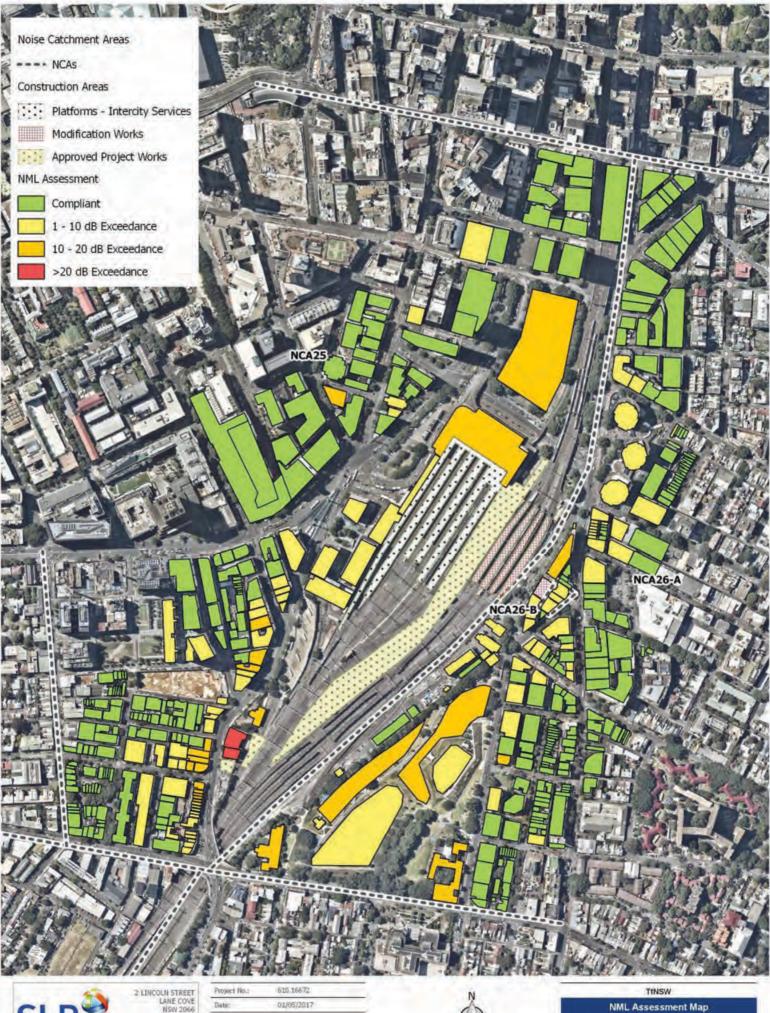
**Yellow** represents the number of receivers with NML exceedances of 1 to 10 dB. **Orange** represents the number of receivers with NML exceedances of 11 to 20 dB.

represents the number of receivers with NML exceedances of greater than 20 dB.

Note 2: Representative of the ongoing level of disturbance experienced by the surrounding sensitive receivers, which caters for the likely variability in the intensity of the works and utilisation rate of the plant and equipment.

#### APPROVED PROJECT - NML ASSESSMENT MAPS







The content contained within this document may be based on third party data.

SLR Consulting Australia Pty Ltd does not guarantee the sociarsy of such information.

NSW 2066	Date:	01/05/2017
AUSTRALIA +61 2 9427 8100 valrconsulting.com	Drawn by:	YL.
	Scale:	1;7,612
ent may be based	Sheet Size:	Ø A4
t marantee the	Projections	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Approved Project

**All Enabling Works** Daytime





2 LINCOLN STREET
LANE COVE
NSW 2066
AUSTRALIA
T: +61 2 9427 8100
www.shconsulbing.com

The content contained within this document may be based on third party data.

SLR Consulting Australia Pty	and does not guarantee the
socuracy of such information	S. S. Sanda Barrell

Project No.:	610.16672	
Date:	01/05/2017	
Drawn by:	YL.	
Scale:	1;7,612	
Sheet Size:	Ø AT	
Projection:	MGDA 94 - MGA ZONE 56	



100 150 200 250 m NML Assessment Map Approved Project

All Enabling Works Daytime OOHW





The content contained within this document may be based on third party data.

SLR Consulting Australia Pty	Ltd does not guarantee	the
socuracy of such information		

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL.
Scale:	1;7,612
Sheet Size:	0 A4
Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Approved Project

**All Enabling Works** Evening





The content contained within this document may be based

on third party data.		
SLR Consulting Australia Pty	Ltd does not	guarantee the
securacy of such information.		********

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL.
Scale:	1;7,612
Sheet Size:	D A4
Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Approved Project

**All Enabling Works** Night-time





T: +61 2 94

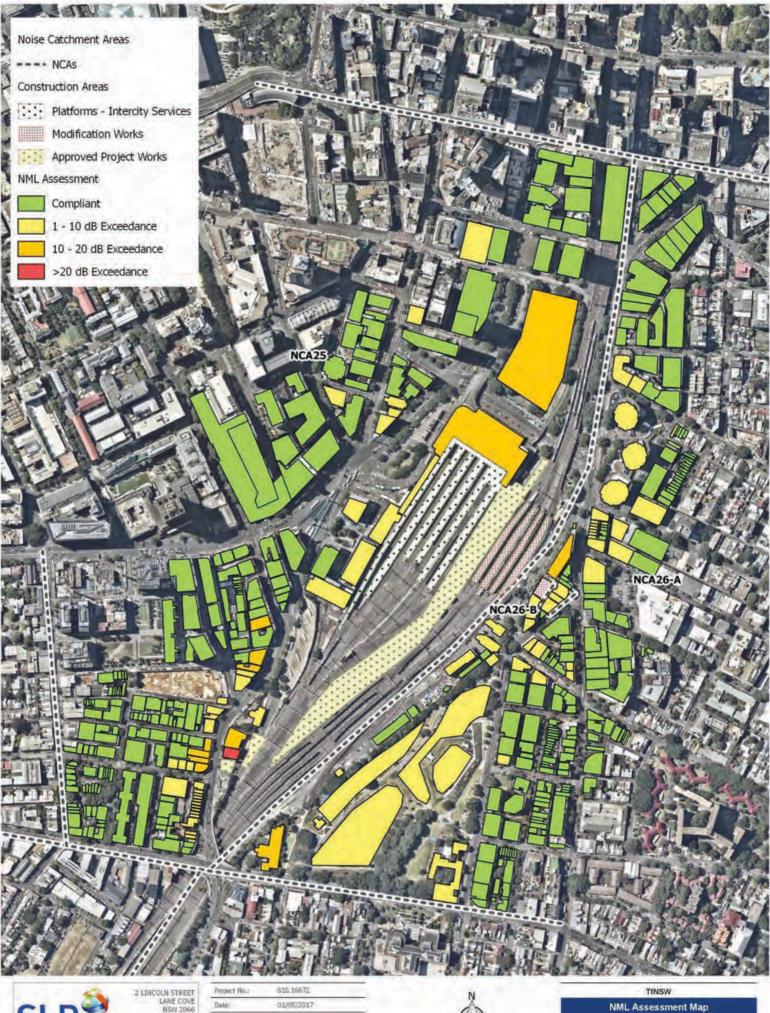
The content contained within this document may be base on third party data. SLR Consulting Australia Pty Ltd does not guarantee the socuracy of such information.

STREET	Project No.:	610.16672
NE COVE SW 2066	Date:	01/05/2017
5TRALIA 427.8100	Drawn by:	YL.
lting.com	Scale:	1;7,612
ie based	Sheet Size:	Ø Á4
	Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Approved Project

All Enabling Works Night-time Sleep Disturbance





The content contained within this document may be based

on third party data.			
SLR Consulting Australia Pty	Ltd does not	guarantee.	the
securacy of such information.		4	

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL.
Scale:	1;7,612
Sheet Size:	0 A4
Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Approved Project

All Earthworks Daytime





The content contained within this document may be based on third party data.

SLR Consulting		Pry Ltd	does	not	guarantee	the
socuracy of sud	informer	tion.			-	

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL.
Scale:	1;7,612
Sheet Size:	D AT
Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Approved Project

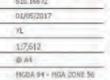
All Earthworks Daytime OOHW





The content contained within this doc on third party data. SLR Consulting Australia Pty Ltd does securacy of such information.

NSW 2066	Date: UL/		
AUSTRALIA T: +61 2 94278100	Drawn by:	YL.	
www.sirconsulting.com	Scale:	1,7,6	
document may be based	Sheet Size:	D A4	
net not oursentee the	Projection	MGDA	





100 150 200 250 m NML Assessment Map Approved Project

All Earthworks Evening





The content contained w	thin this	document	may be	base
on third party data.				
<b>SLR Consulting Australia</b>	Pry Ltd d	oes not g	uarantee	the
accuracy of such informs	tion.			

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL.
Scale:	1;7,612
Sheet Size:	D A4
Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Approved Project

All Earthworks Night-time





The content contained within this document may be based

on third party data.		
SLR Consulting Australia Pty	Ltd does not guarantee th	e
securacy of such information.		

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL.
Scale:	1;7,612
Sheet Size:	0 A4
Projection:	MGDA 94 - MGA ZONE 56



150 200 250 m 100

NML Assessment Map Approved Project

All Earthworks Night-time Sleep Disturbance





The content contained within this document may be based on third party data.

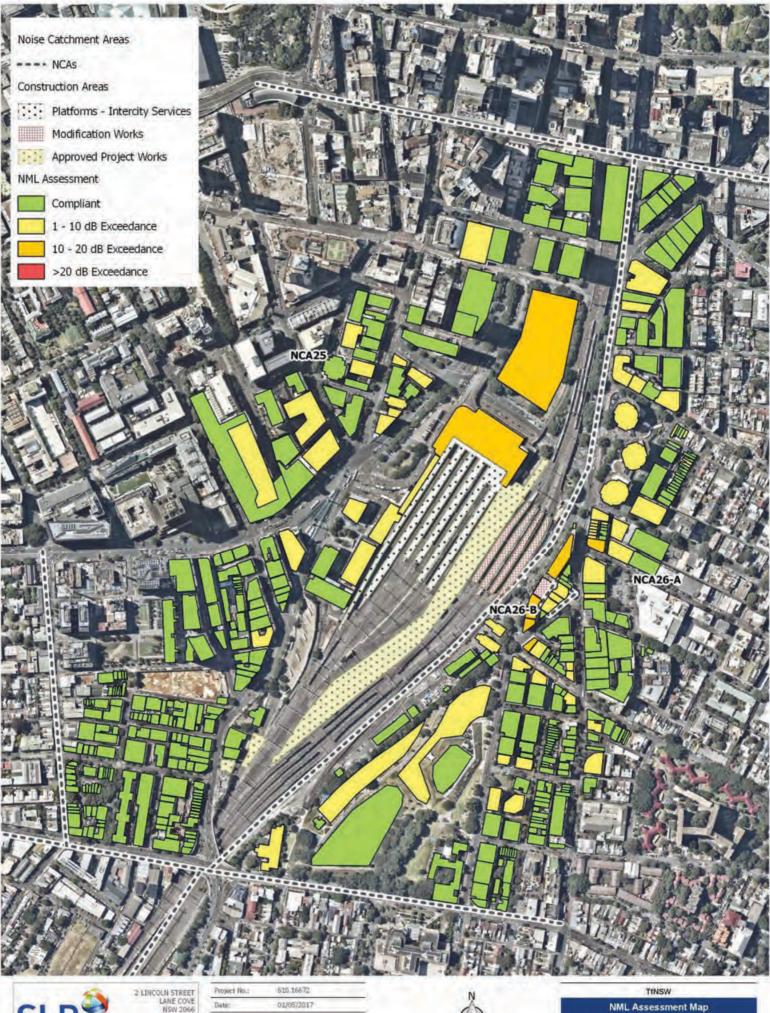
SLR Consulting Australia Phy Ltd does not guarantee the accuracy of such information.

Tropics Tropic	- C-201. E-07. File
Date:	01/05/2017
Drawn by:	YL.
Scale:	1;7,612
Sheet Size:	0 A4
Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Approved Project

**All Excavation Works Daytime** 





The content contained	within	this	document	may	be	base
no third party data.						

on third party data.

SLR Consulting Australia Pty Ltd does not guarantee the securacy of such information.

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL.
Scale:	1;7,612
Sheet Size:	0 A4
Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Approved Project

**All Excavation Works Daytime OOHW** 





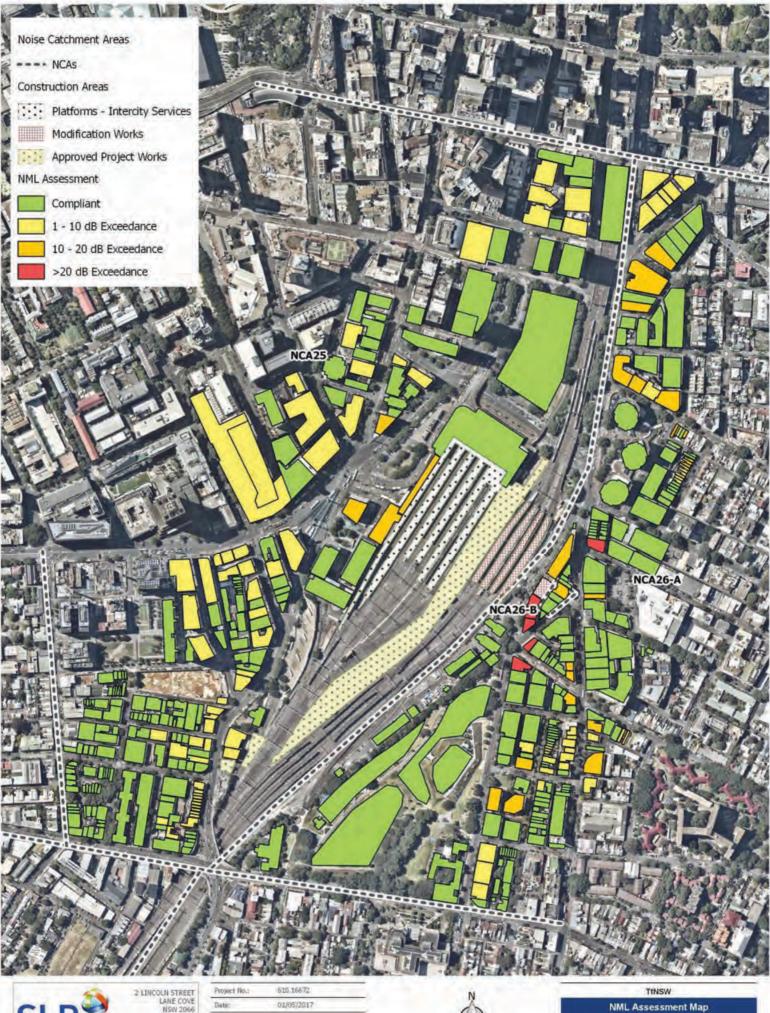
The content contained within	this document may b	e based
on third party data.		
SLR Consulting Australia Pty	Ltd does not guarante	se the
nanimum of such inflammation		

Linlett Mon	0.10.10072
Date:	01/05/2017
Drawn by:	YL.
Scale:	1;7,612
Sheet Size:	Ø A4
Projection:	NGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Approved Project

**All Excavation Works** Evening





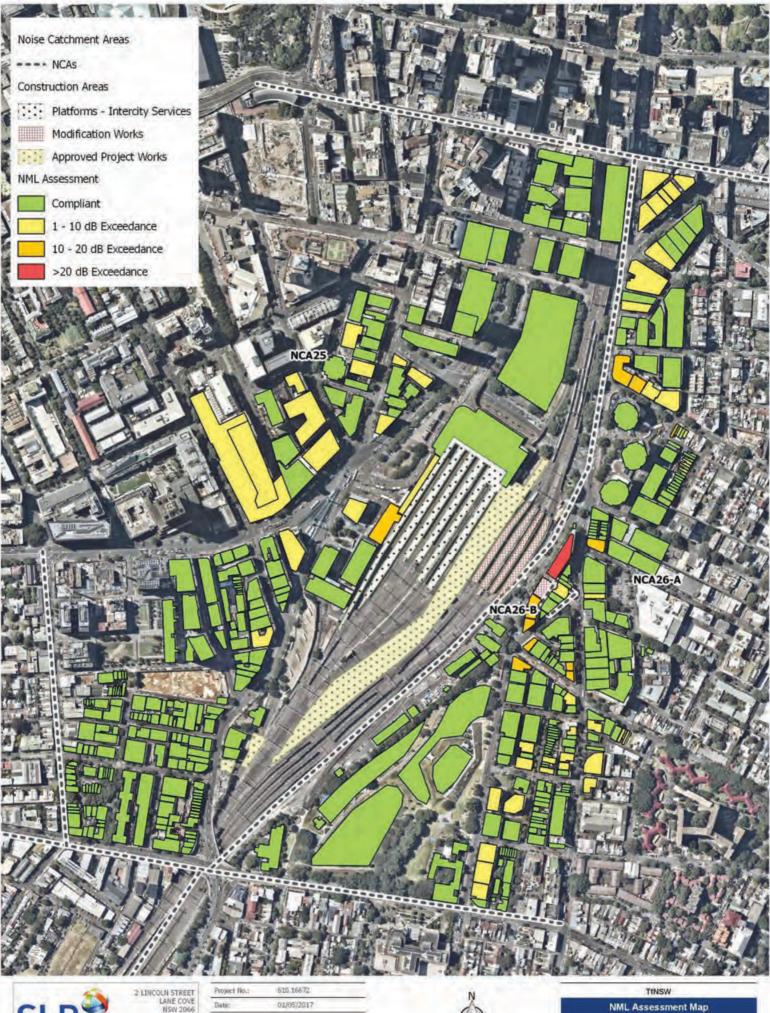
The content contained within	this document may be base
on third party data.	
SLR Consulting Australia Pty 1	ad does not guarantee the
securacy of such information.	The second second

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL.
Scale:	1;7,612
Sheet Size:	D A4
Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Approved Project

**All Excavation Works** Night-time





e content contained within	this	docume	nt may	be	basec
third party data.  R Consulting Australia Pty		loes not	guaran	time	the

610.16672
01/05/2017
YL.
1;7,612
0 A4
MGDA 94 - MGA ZONE 56



NML Assessment Map Approved Project

**All Excavation Works** Night-time Sleep Disturbance





The content contained within this document may be based

on third party data.	
SLR Consulting Australia Pty	Ltd does not guarantee the
socuracy of such information.	San

Project No.:	610.16672	
Date:	01/05/2017	
Drawn by:	YF.	
Scale:	1;7,612	
Sheet Size:	D A4	
Projection:	MGDA 94 - MGA ZONE 56	



100 150 200 250 m NML Assessment Map Approved Project

**All Construction Works Daytime** 





The content contained within this document may be based on third party data.

SLR Consulting Australia	the bar		244	and the same of the same	io.
Annual State of the Control of the C		g cloes	not	guaranuse	Die
socuracy of such inform	etion,				

Project No.:	610.16672	
Date:	01/05/2017	
Drawn by:	YL.	
Scale:	1;7,612	
Sheet Size:	0 A4	
Projection:	MGDA 94 - MGA ZONE 56	



100 150 200 250 m NML Assessment Map Approved Project

**All Construction Works Daytime OOHW** 





The content contained within	this document or	say be base
on third party data. SLR Consulting Australia Pty	and done not man	rantee the
socuracy of such information		entines nie

Project No.:	610.16672	
Date:	01/05/2017	
Drawn by:	YL.	
Scale:	1;7,612	
Sheet Size:	D A4	
Projection:	MGDA 94 - MGA ZONE 56	



100 150 200 250 m NML Assessment Map Approved Project

**All Construction Works** Evening





The content contained	within	this	doo	ime	nt ma	y be	base
on third party data.							rio .
SLR Consulting Australi			loes.	not	guara	ntee	the
socuracy of such inform	astion.						

Project No.:	610.16672	
Date:	01/05/2017	
Drawn by:	YL.	
Scale:	1;7,612	
Sheet Size:	D A4	
Projection:	MGDA 94 - MGA ZONE 56	



100 150 200 250 m NML Assessment Map Approved Project

**All Construction Works** Night-time





The content contained within this document may be based on third party data.

SLR Consulting Australia Pty	Ltd does not guarantee	the
socuracy of such information		

Project No.:	610.16672	
Date:	01/05/2017	
Drawn by:	YL.	
Scale:	1;7,612	
Sheet Size:	Ø A4	
Projection:	MGDA 94 - MGA ZONE 56	



100 150 200 250 m NML Assessment Map Approved Project

**All Construction Works** Night-time Sleep Disturbance

## MODIFICATION - NML ASSESSMENT MAPS







The content contained within this document may be based

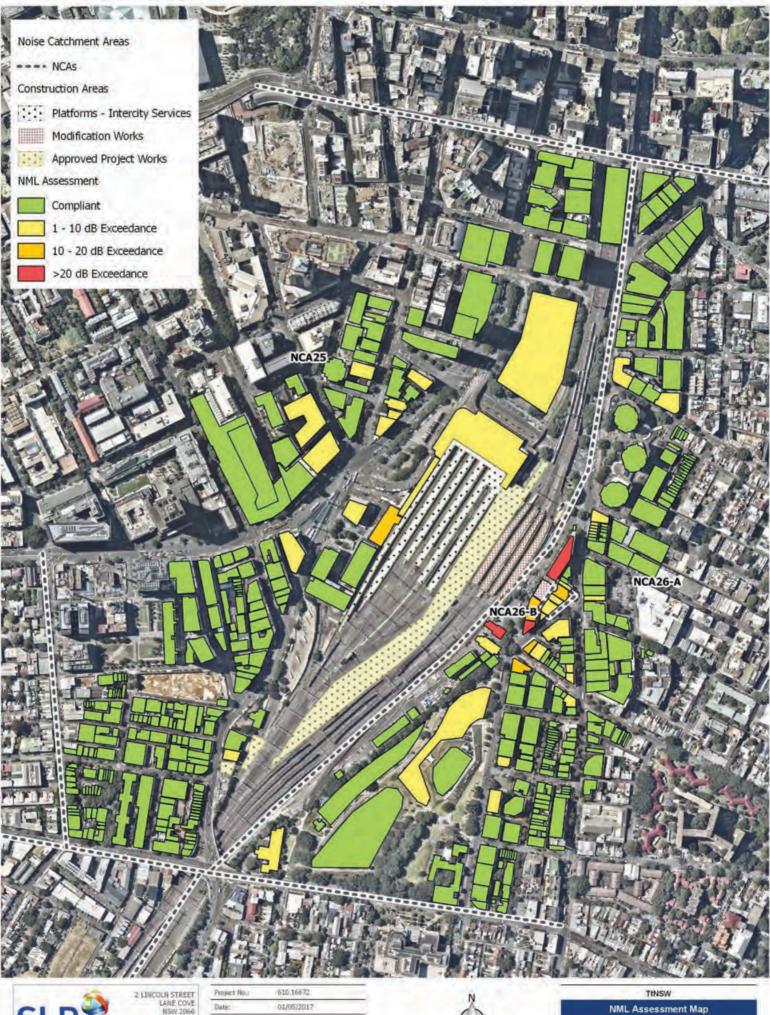
on third party data.		
SLR Consulting Australia Pty	Ltd does not gu	arantee the
socuracy of such information.	The same	

Project No.:	610.16672	
Date:	01/05/2017	
Drawn by:	YL.	
Scale:	1;7,612	
Sheet Size:	Ø ÁÝ	
Projection:	MGDA 94 - MGA ZONE 56	



100 150 200 250 m NML Assessment Map Modification

**All Enabling Works Daytime** 





The content contained within this document may be based on third party data.

SLR Consulting Australia Pty	and does not guarantee the
socuracy of such information	S. S. Sanda Berry

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL.
Scale:	1;7,612
Sheet Size:	D A4
Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Modification

All Enabling Works Daytime OOHW





The content contained within this document in on third party data.

SLR Consulting Australia Pty Ltd does not gua securacy of such information.

PART STREET		
NSW 2066	Date:	01/05/2017
AU5TRALIA 1 2 9427 8100	Drawn by:	YL
consulting.com	Scale:	1,7,612
may be based	Sheet Size:	Ø A4
arantee the	Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Modification

**All Enabling Works** Evening





The content contained	within	this	document	may	be	base
on third party data.						

SLR Consulting		Ltd doe	s not	guarantee	the
socuracy of sud	information				

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL.
Scale:	1;7,612
Sheet Size:	0 A4
Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Modification

All Enabling Works Night-time





The content contained within this document may be based on third party data.

SLR Consulting Australia Pty	Ltd does	not	guarantee.	the
socuracy of such information				

Tropics Tropic	- CACLEGE FAI
Date:	01/05/2017
Drawn by:	YL.
Scale:	1:7,612
Sheet Size:	Ø A4
Projection:	NGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Modification

**All Enabling Works** Night-time Sleep Disturbance





The content contained within this document may be based on third party data.

SLR Consulting Australia Phy Ltd does not guarantee the accuracy of such information.

Project No.:	610.16672			
Date:	01/05/2017			
Drawn by:	YF.			
Scale:	1;7,612			
Sheet Size:	0 A4			
Projection: NGDA 94 - NGA ZON				



100 150 200 250 m Modification

All Earthworks Daytime





The content contained within this document may be based on third party data.

SLR Consulting Australia Pty	and does not guarantee the
socuracy of such information	S. S. Sanda Berry

Tropics Tropic	- CACLEGE FAI
Date:	01/05/2017
Drawn by:	YL.
Scale:	1:7,612
Sheet Size:	Ø A4
Projection:	NGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Modification

All Earthworks **Daytime OOHW** 





2 LINCOLN STREE LANE CON NSW 200 AUSTRAL T: +61 2 9427 810 WWW.shrconculbing.co

The content contained within this document may be base on third party data.

SLR Consulong Australia Pty Ltd does not guarantee the socuracy of such information.

r II	Project No.:	610.16672	
E	Date:	01/05/2017	
4	Drawn by:	YL.	
n	Scale:	1;7,612	
	Sheet Size:	Ø A4	
	Projection:	MGDA 94 × MGA ZONE 56	



100 150 200 250 m Modification

All Earthworks Evening





The content contained within this document may be based

on third party d			demonstra	Land Street	io.
<b>SLR Consulting</b>	Australia HTY	LTG	does not	guarantee.	me
socuracy of sud			nices lies	Brent attend	-

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL.
Scale:	1;7,612
Sheet Size:	0 A4
Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Modification

All Earthworks Night-time





The content contained within this document may be based

on third party data.		
SLR Consulting Australia Pty	Ltd does not guarantee th	e
securacy of such information.		

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL
Scale:	1;7,612
Sheet Size:	Ø A4
Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Modification

All Earthworks Night-time Sleep Disturbance





The content contained within this document may be based on third party data.

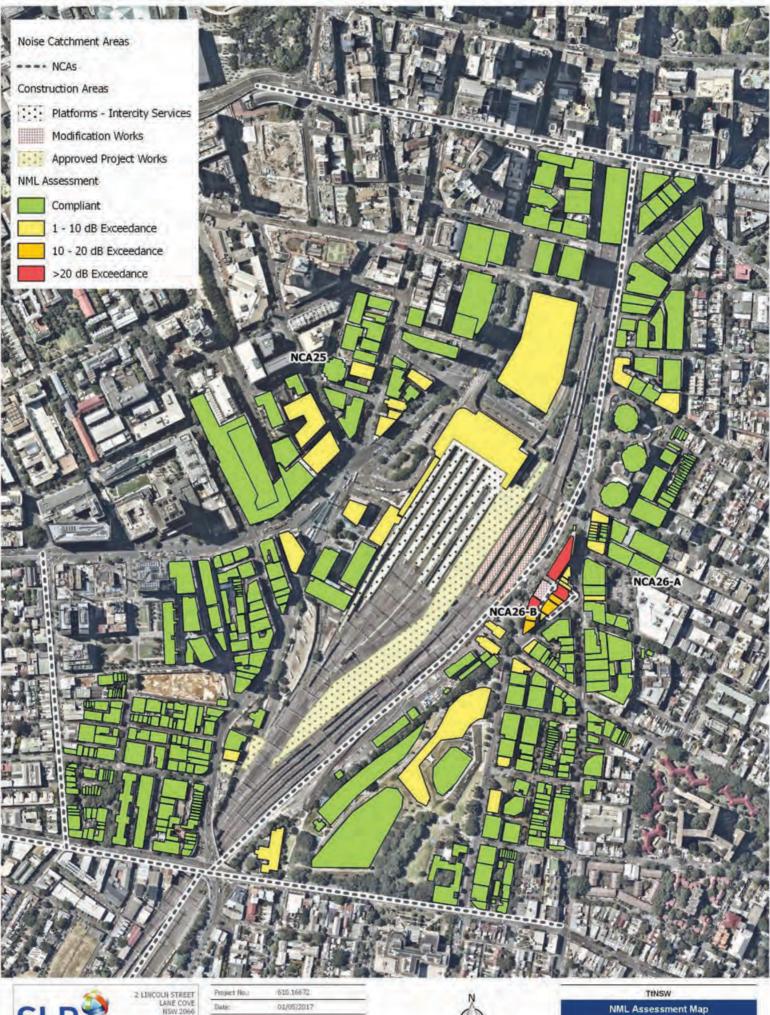
SLR Consulting Australia Phy Ltd does not guarantee the accuracy of such information.

Project No.:	610.16672			
Date:	01/05/2017			
Drawn by:	YL.			
Scale:	1,7,612			
Sheet Size:	0 A4			
Projection:	MGDA 94 × MGA ZONE 56			



100 150 200 250 m Modification

**All Excavation Works Daytime** 





The content contained within this document may be based

on third party data.	
SLR Consulting Australia Pty	Ltd does not guarantee the
securacy of such information.	20,000

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL.
Scale:	1;7,612
Sheet Size:	D A4
Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Modification

**All Excavation Works Daytime OOHW** 





The content contained within this document may be based

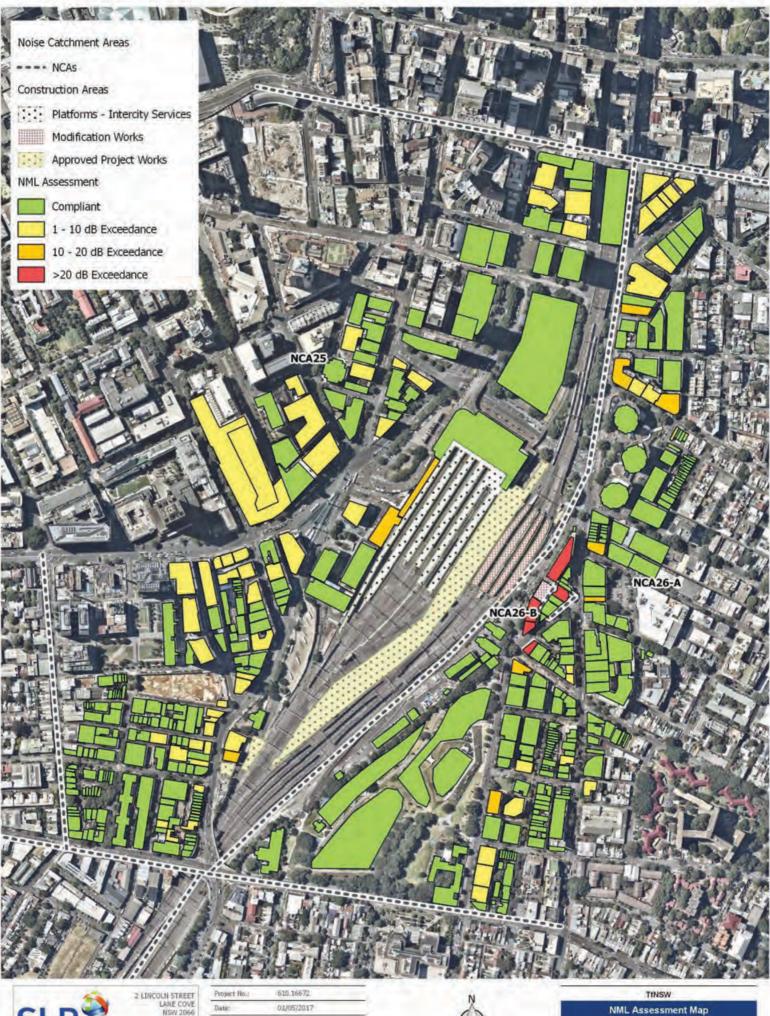
on third party d			demonstra	Land Street	io.
<b>SLR Consulting</b>	Australia HTY	LTG	does not	guarantee.	me
socuracy of sud			nices lies	Brent attend	-

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL.
Scale:	1;7,612
Sheet Size:	D A4
Projection:	NGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Modification

**All Excavation Works** Evening





AU5 T: +61 2 942 www.shconsult

The content contained within this document may be on third party data.

SLR Consulting Australia Pty Ltd does not guarantee securacy of such information.

210001	11-11-11-11-11-11-11-11-11-11-11-11-11-	
E COVE W 2066	Date:	01/05/2017
TRALIA 278100	Drawn by:	YL.
ing.com	Scale:	1;7,612
based	Sheet Size:	Ø AT
the	Projections	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Modification

**All Excavation Works** Night-time





The content contained within this document may be based on third party data.

SLR Consulting Australia Pty	Ltd does	not	guarantee.	the
socuracy of such information				

S. Coldana Visionia	
Date:	01/05/2017
Drawn by:	YL.
Scale:	1:7,612
Sheet Size:	Ø A4
Projection:	NGDA 94 - MGA ZONE 56



100 150 200 250 m Modification

**All Excavation Works** Night-time Sleep Disturbance





The content contained within	y this	docum	ent in	say be	based
on third party data.	100	dame in			in.
SLR Consulting Australia Pty socuracy of such information		does no	t gua	antee	me

Tropics Tropic	- CACLEGE FAI
Date:	01/05/2017
Drawn by:	YL.
Scale:	1:7,612
Sheet Size:	Ø A4
Projection:	NGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Modification

**All Construction Works Daytime** 





The content contained within this document may be based

on third party data.		
SLR Consulting Australia Pty	Ltd does not	guarantee the
securacy of such information.		*******

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL.
Scale:	1;7,612
Sheet Size:	D A4
Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Modification

All Construction Works **Daytime OOHW** 





The content contained within this document may be based

on third party data.					
SLR Consulting Australia Pty	ltd	does	not	guarantee	the
socuracy of such information.	1				

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL.
Scale:	1;7,612
Sheet Size:	0 A4
Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Modification

**All Construction Works** Evening





The content contained within this document may be based on third party data.

SLR Consulting Australia Pty Ltd does not guarantee the accuracy of such information.

INCOLN STREET	Project No.:	010.10072
NSW 2066	Date:	01/05/2017
AU5TRALIA 61 2 9427 8100	Drawn by:	AT.
Irconsulting.com	Scale:	1;7,612
t may be based	Sheet Size:	Ø A4
and the same	Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Modification

**All Construction Works** Night-time





The content contained within	this docume	nt may be	base
on third party data.			rio .
SLR Consulting Australia Pty	and does not	guarantee	the

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL.
Scale:	1;7,612
Sheet Size:	D AT
Projection:	MGDA 94 - MGA ZONE 56

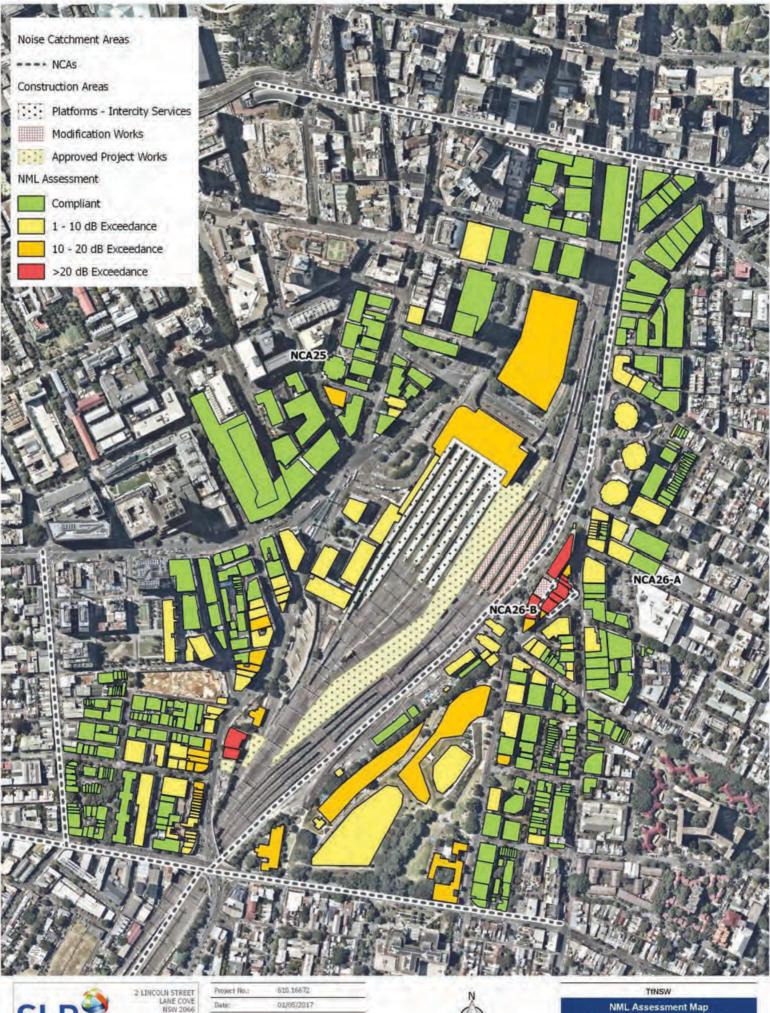


100 150 200 250 m NML Assessment Map Modification

**All Construction Works** Night-time Sleep Disturbance

## APPROVED PROJECT + MODIFICATION -NML ASSESSMENT MAPS







The content contained within this document may be based on third party data.

SLR Consulting Australia Phy Ltd does not guarantee the accuracy of such information.

Project No.:	610.16672	
Date:	01/05/2017	
Drawn by:	YL.	
Scale:	1;7,612	
Sheet Size:	0 A4	
Projection:	MGDA 94 - MGA ZONE 56	



100 150 200 250 m NML Assessment Map Approved Project + Modification

**All Enabling Works** Daytime





The content contained within this document may be based on third party data.

SLR Consulting Australia Pty	Ltd does not guarantee	the
socuracy of such information		

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL.
Scale:	1;7,612
Sheet Size:	0 A4
Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Approved Project + Modification

All Enabling Works Daytime OOHW





The content contained within this document may be based on third party data.

SLR Consulting Australia Pty	Ltd d	loes n	ot	guarantee	the
socuracy of such information.					

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL .
Scale:	1;7,612
Sheet Size:	0 A4
Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Approved Project + Modification

**All Enabling Works** Evening





The content contained within this document may be based on third party data.

SLR Consulting Australia Pty	Ltd does not guarantee	the
socuracy of such information		

Project No.:	610.16672	
Date:	01/05/2017	
Drawn by:	YL .	
Scale:	1;7,612	
Sheet Size:	0 A4	
Projection:	MGDA 94 - MGA ZONE 56	



100 150 200 250 m NML Assessment Map Approved Project + Modification

**All Enabling Works** Night-time





The content contained within this document may be based on third party data.

on third party data.			
SLR Consulting Australia Pty	Ltd does not	guarantee	the
securacy of such information.		*******	

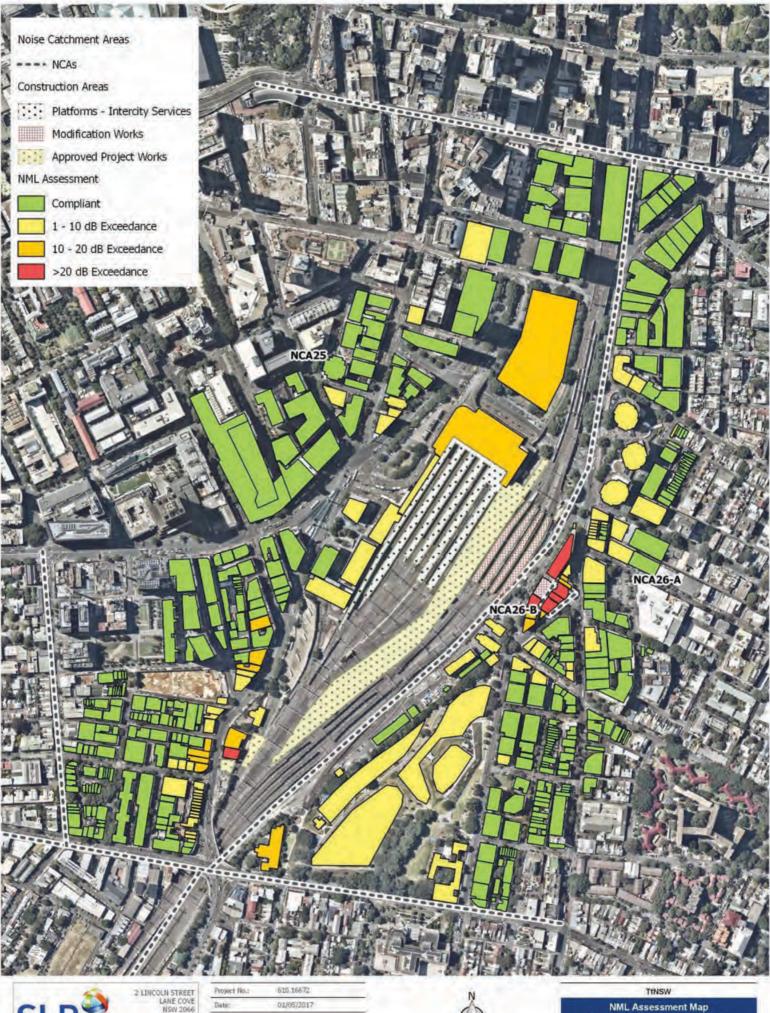
Project No.:	610.16672	
Date:	01/05/2017	
Drawn by:	YL.	
Scale:	1;7,612	
Sheet Size:	Ø A4	
Projection:	MGDA 94 - MGA ZONE 56	



) 50 100 150 200 250 m

NML Assessment Map Approved Project + Modification

All Enabling Works Night-time Sleep Disturbance





THE BUILDING CONTRACT TO STATE		d being	477		STREET,	My	Andrew.
on third party data.							
SLR Consulting Australia Pty	lad	does	not	au	aran	time	the
		-	1100	4	-	-	
socuracy of such information	.6						

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL.
Scale:	1;7,612
Sheet Size:	0 A4
Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Approved Project + Modification

All Earthworks **Daytime** 





The content contained within this document may be based

on third party data.	
SLR Consulting Australia Pty	Ltd does not guarantee the
securacy of such information.	20,000

Project No.:	610.16672	
Date:	01/05/2017	
Drawn by:	YL.	
Scale:	1;7,612	
Sheet Size:	D A4	
Projection:	MGDA 94 - MGA ZONE 56	



100 150 200 250 m NML Assessment Map Approved Project + Modification

All Earthworks **Daytime OOHW** 





The content contained within	this document may be	base
on third party data.		
SLR Consulting Australia Pty I		the
socuracy of such information.		

Project No.:	610.16672	
Date:	01/05/2017	
Drawn by:	YL.	
Scale:	1;7,612	
Sheet Size:	D A4	
Projection:	MGDA 94 - MGA ZONE 56	



100 150 200 250 m NML Assessment Map Approved Project + Modification

All Earthworks Evening





The content contained within this document may be based

on third party data.	
SLR Consulting Australia Pty	Ltd does not guarantee the
securacy of such information	20,000

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL .
Scale:	1;7,612
Sheet Size:	0 A4
Projection:	NGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Approved Project + Modification

All Earthworks Night-time





The content contained within this document may be based

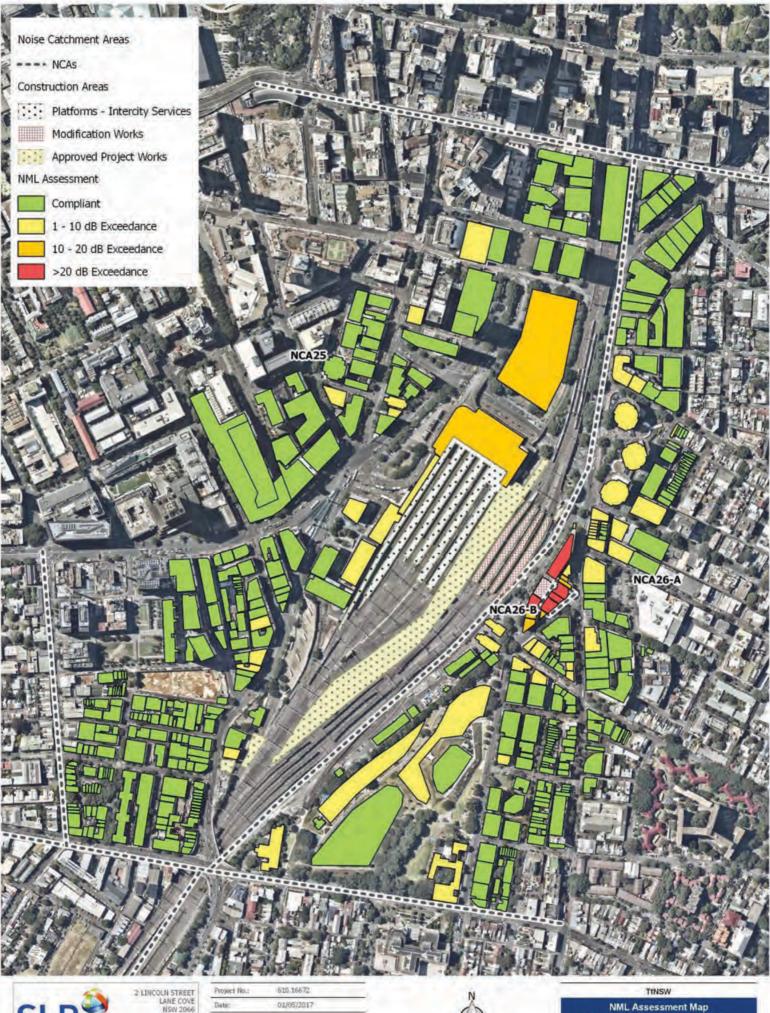
on third party data.	
SLR Consulting Australia Pty	Ltd does not guarantee the
securacy of such information.	20,000

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL.
Scale:	1;7,612
Sheet Size:	0 A4
Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Approved Project + Modification

All Earthworks Night-time Sleep Disturbance





The content contained within this document may be based on third party data.

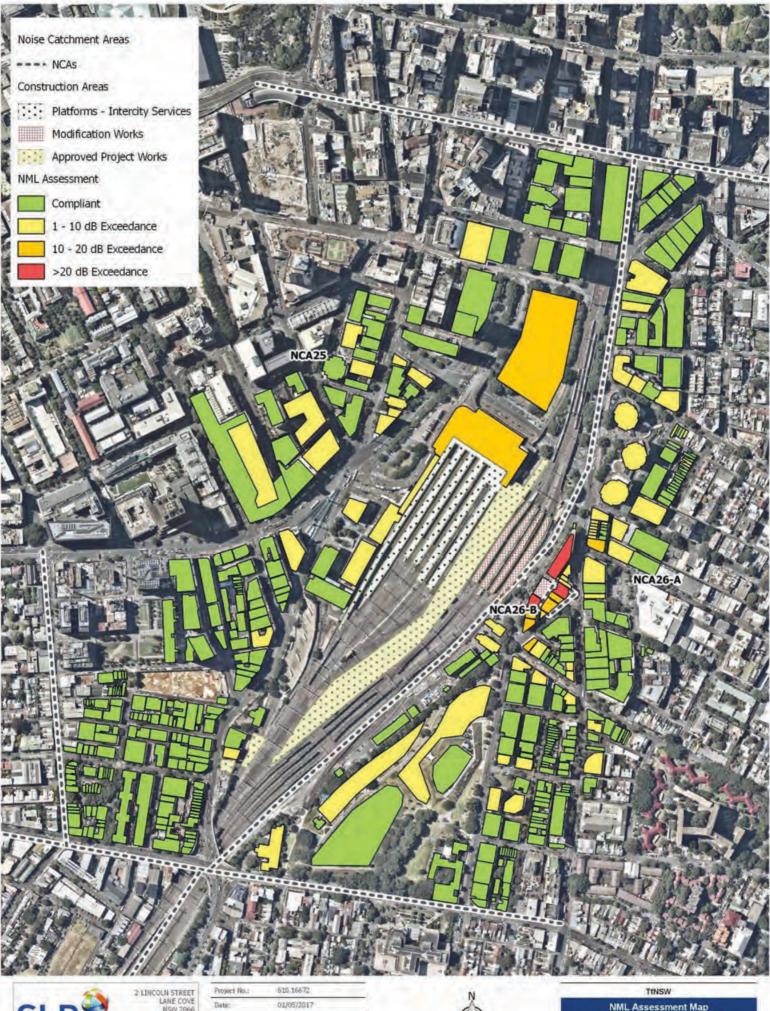
SLR Consulting Australia Pty	bd	does	not	guarantee	the
securacy of such information.					

Project No.:	610.16672			
Date:	01/05/2017			
Drawn by:	YL.			
Scale:	1;7,612			
Sheet Size:	0 A4			
Projection:	MGDA 94 - MGA ZONE 56			



100 150 200 250 m NML Assessment Map Approved Project + Modification

**All Excavation Works Daytime** 





The content contained within this document may be based on third party data.

on third party data. SLR Consulting Australia Pty Ltd does not	guarantee the
socuracy of such information.	

Project No.:	610.16672			
Date:	01/05/2017			
Drawn by:	YL.			
Scale:	1;7,612			
Sheet Size:	0 A4			
Projection:	MGDA 94 - MGA ZONE 56			



) 50 100 150 200 250 m

NML Assessment Map Approved Project + Modification

> All Excavation Works Daytime OOHW





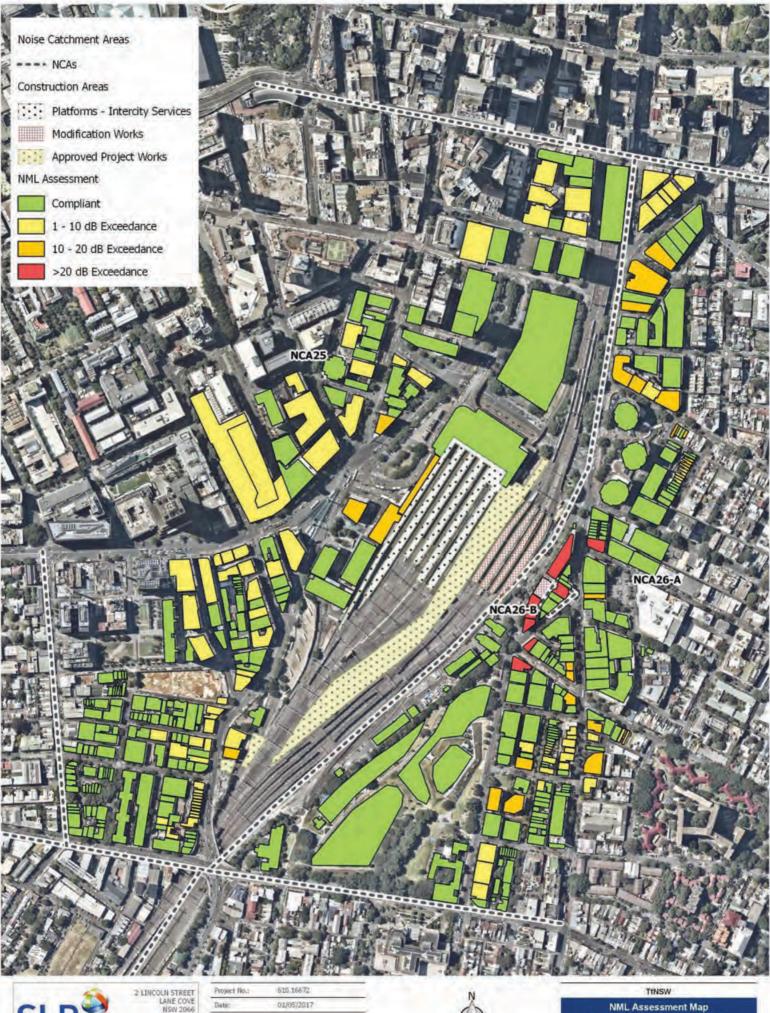
the Solden it colored and the	-	e serve	477		-district	My	Andrew .
on third party data.							
SLR Consulting Australia Pty	bt	does	not	gu	aran	time	the
socuracy of such information.							

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL.
Scale:	1;7,612
Sheet Size:	D AT
Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Approved Project + Modification

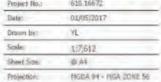
**All Excavation Works** Evening





The content contained within this document may be based on third party data. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of such information.

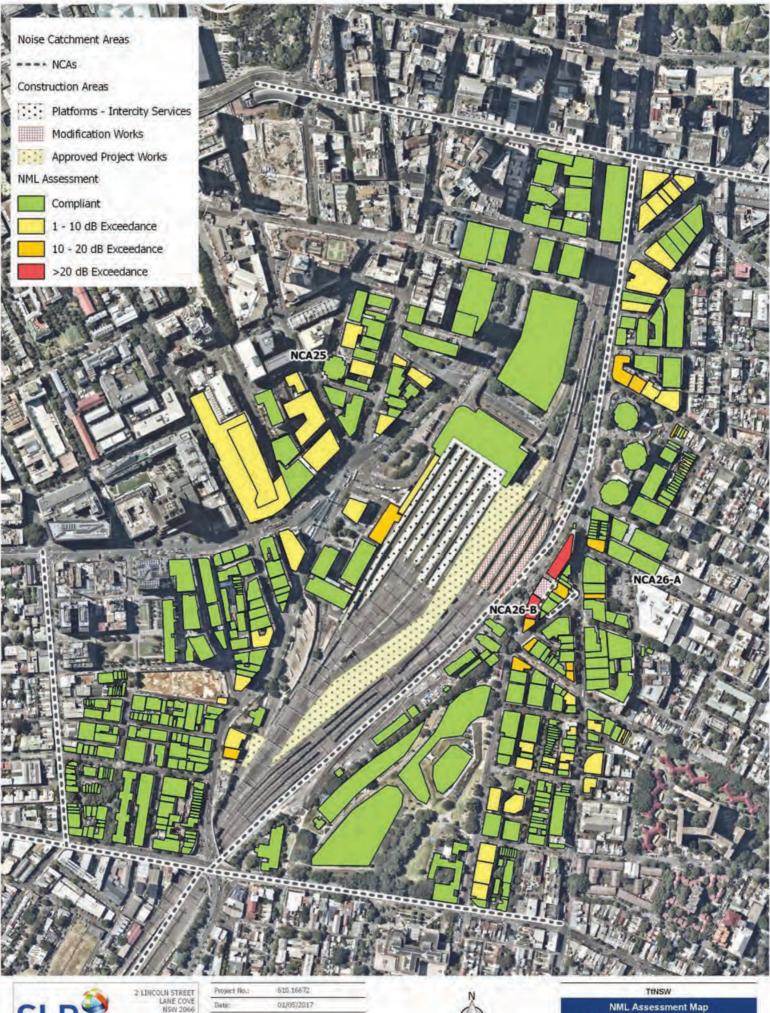
NSW 2066				
AU5TRALIA T: +61 2 9427 8100	Drawn by:			
www.sirconsulting.com	Scale:			
is document may be based	Sheet Size:			
	Protection:	П		





100 150 200 250 m NML Assessment Map Approved Project + Modification

**All Excavation Works** Night-time





The content contained within this document may be based on third party data.

SLR Consulting Australia Pty	btJ	does	not	guarantee	the
securacy of such information.	-			-	

Project No.:	610.16672			
Date:	01/05/2017			
Drawn by:	YF.			
Scale:	1;7,612			
Sheet Size:	D AT			
Projection:	MGDA 94 - MGA ZONE 56			



100 150 200 250 m NML Assessment Map Approved Project + Modification

All Excavation Works Night-time Sleep Disturbance





The content contained within this document may be based on third party data.

SLR Consulting Australia Pty	and does not guarantee the
socuracy of such information	S. S

Project No.:	610.16672		
Date:	01/05/2017		
Drawn by:	YL.		
Scale:	1;7,612		
Sheet Size:	Ø ÁÝ		
Projection:	MGDA 94 - MGA ZONE 56		



100 150 200 250 m NML Assessment Map Approved Project + Modification

All Construction Works **Daytime** 





The content contained within this document may be based on third party data.

SLR Consulting Australia	Phy I	bd	does	not	guarantee	the
socuracy of such informe	tion.					

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL.
Scale:	1;7,612
Sheet Size:	0 A4
Projection:	MGDA 94 - MGA ZONE 56



100 150 200 250 m NML Assessment Map Approved Project + Modification

**All Construction Works Daytime OOHW** 





The content contained within this document may be based

on third party data.	
SLR Consulting Australia Pty	Ltd does not guarantee the
socuracy of such information.	TALLES AND A CONTRACT OF

Project No.:	610.16672			
Date:	01/05/2017			
Drawn by:	YL .			
Scale:	1;7,612			
Sheet Size:	0 A4			
Projection:	MGDA 94 - MGA ZONE 56			



100 150 200 250 m NML Assessment Map Approved Project + Modification

**All Construction Works** Evening





2 LINCOLN STREE
LANE COV
NSW 206AUSTRALL
T: +61 2 9427 810
WWW.shroonsulbing.com

The content contained within this document may be based on third party data.

SLR Consulting Australia Pty Ltd does not guarantee the sociarsy of such information.

Project No.:	610.16672
Date:	01/05/2017
Drawn by:	YL
Scale:	1;7,612
Sheet Size:	0 A4
Projection:	MGDA 94 - MGA ZONE 56



150 200 250 m

NML Assessment Map Approved Project + Modification

**All Construction Works** Night-time





The content contained within this document may be based on third party data.

SLR Consulting Australia Pty	bt	does	not	guarantee	the
securacy of such information.				-	

A CARPORT VIOLE			
Date:	01/05/2017		
Drawn by:	YL.		
Scale:	1;7,612		
Sheet Size:	Ø A4		
Projection:	NGDA 94 - MGA ZONE 56		



100 150 200 250 m NML Assessment Map Approved Project + Modification

**All Construction Works** Night-time Sleep Disturbance