NSR ID:	N1a
NSR Description:	Hong Kong Baptist Theological Seminary (HKBTS) Staff & Students Quarters
Landuse:	Residential
No. of Storey:	6

Lowest Assessment Level, mPD [5]:

Lowe	st Assessment Level, mPD ^[5] :	7.8																
A - 1		014/1	Notional	Slant			Prec	licted	d Noi	se L	evel,	L _{eq (}	30-min), dB	(A) ^{[2}],[3]		
Act No.	Main Construction Elements	SWL, dB(A)	Distance,	Distance,	202				22				23				24	
NO.		ub(A)	m ^[1]	m	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	Site Clearance	112	41	41		75												
2	Excavation and Lateral Support (ELS)	117	41	41			80	80	80									
3	Bulk Excavation	115	41	41				78	78	78								
4	Steel Fixing and Concreting of Structure	111	41	41						74	74	74	74	74				
5	Backfilling	109	41	41									72					
6	E&M Installations & Pipeworks	108	41	41									71	71	71	71		
7	Finishing and Landscape Works	114	41	41										77	77	77		
	Total SPL from the Prop	osed Pro	oject, L _{eq (30-}	_{min)} , dB(A):	-	75	80	82	82	80	74	74	77	79	78	78	-	-
			Exceedance	ce, dB(A) ^[4] :	-	0	5	7	7	5	0	0	2	4	3	3	-	-

Range, dB(A): 74 - 82

Middl	e Assessment Level, mPD ^[5] :	16.8																
			Notional	Slant			Pred	licted	d Noi	ise L	evel,	L _{eq (}	30-min	, dB	(A) ^{[2}],[3]		
Act No.	Main Construction Elements	SWL, dB(A)	Distance,	Distance,	202				22				23				24	
NO.		UB(A)	m ^[1]	m	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	Site Clearance	112	41	43		74												
2	Excavation and Lateral Support (ELS)	117	41	43			80	80	80									
3	Bulk Excavation	115	41	43				78	78	78								
4	Steel Fixing and Concreting of Structure	111	41	43						74	74	74	74	74				
5	Backfilling	109	41	43									72					
6	E&M Installations & Pipeworks	108	41	43									71	71	71	71		
7	Finishing and Landscape Works	114	41	43										77	77	77		
	Total SPL from the Prop	oosed Pro	oject, L _{eq (30-}	_{min)} , dB(A):	-	74	80	82	82	79	74	74	77	79	78	78	-	-
			Exceedance	ce, dB(A) ^[4] :	-	0	5	7	7	4	0	0	2	4	3	3	-	-

Exceedance, dB(A)¹⁴: Range, dB(A): 74 - 82

Highe	est Assessment Level, mPD ^[5] :	22.8																
		0.4/1	Notional	Slant			Pred	licted	d Noi	ise L	evel,	L _{eq (}	30-min	, dB	(A) ^[2]],[3]		
Act No.	Main Construction Elements	SWL, dB(A)	Distance,	Distance,	202	21		20	22			20	23			20	24	
110.		ub(л)	m ^[1]	m	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	Site Clearance	112	41	45		74												
2	Excavation and Lateral Support (ELS)	117	41	45			79	79	79									
3	Bulk Excavation	115	41	45				77	77	77								
4	Steel Fixing and Concreting of Structure	111	41	45						73	73	73	73	73				
5	Backfilling	109	41	45									71					
6	E&M Installations & Pipeworks	108	41	45									70	70	70	70		1
7	Finishing and Landscape Works	114	41	45										76	76	76		
	Total SPL from the Prop	osed Pro	oject, L _{eq (30-}	_{min)} , dB(A):	-	74	79	82	82	79	73	73	77	79	77	77	-	-
				:e, dB(A) ^[4] : nge, dB(A):	- 73 - 82	0	4	7	7	4	0	0	2	4	2	2	-	-

Notes:

The notional source position is taken following the GW-TM. [1]

Distance Attenuation in $dB(A) = 20 \log D + 8$, where D is slant distance in metres.

A +3 dB(A) façade correction was added to the predicted noise level to account for the façade effect at the NSR. [2]

[3]

Bolded values indicate exceedance of EIAO-TM noise criteria of 75 dB(A) for residential dwellings. *Construction noise exceedances are predicted at the lowest, middle and highest assessment levels at representative NSR N1a & N1b (HKBTS Staff & Students Quarters). Based on the assessment results and distances of the other sensitive façade of the noise sensitive use - HKBTS Staff & Students Quarters - and the project site, it is estimated that construction noise exceedance would be expected at the sensitive facade facing Nin Ming Road under the unmitigated scenarios, affecting approximately <35 flats.

The construction noise criteria for residential dwelling is 75dB(A). [4]

The floor to floor height of the NSR is assumed as 3m and the assessment levels adopted are 1.2m from the floor of the lowest, middle and [5] highest storeys. The noise source is assumed at 5.5mPD.

7.8

NSR ID:	N1b
NSR Description:	Hong Kong Baptist Theological Seminary (HKBTS) Staff & Students Quarters
Landuse:	Residential
No. of Storey:	6

Lowest Assessment Level, mPD ^[5]:

Middle Assessment Level, mPD ^[5]:

E&M Installations & Pipeworks

		014/	Notional	Slant			Pre	dicte	ed No	oise l	Leve	I, L _{eq}	(30-mi	_{in)} , dE	3(A)	[2],[3]		
Act No.	Main Construction Elements	SWL, dB(A)	Distance,	Distance,	20	21			22				23			20		
NO.		ub(A)	m ^[1]	m	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	Site Clearance	112	32	32		77												
2	Excavation and Lateral Support (ELS)	117	32	32			82	82	82									
3	Bulk Excavation	115	32	32				80	80	80								
4	Steel Fixing and Concreting of Structure	111	32	32						76	76	76	76	76				
5	Backfilling	109	32	32									74					
6	E&M Installations & Pipeworks	108	32	32									73	73	73	73		
7	Finishing and Landscape Works	114	32	32										79	79	79		
	Total SPL from the Prop	osed Pro	ject, L _{eq (30-}	_{min)} , dB(A):	-	77	82	84	84	82	76	76	79	82	80	80	-	-
			Exceedance	e, dB(A) ^[4] :	-	2	7	9	9	7	1	1	4	7	5	5	-	-

Range, dB(A): 76 - 84

74

73 73 73

4 6 5 5

Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4

79 79

81 80 80

> 1 1

82 84 84 81 76 76 79

7 1

9 9 6 2024

73

79

-

A - 4		CIMI	Notional	Slant			Pre	dicte	d No	oise l	Leve	I, L _{eq}	(30-mi	_{n)} , dE	3(A)	[2],[3]	
Act No.	Main Construction Elements	SWL, dB(A)	Distance,	Distance,	20			20				20				20	
NO.		ub(A)	m ^[1]	m	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	ĺ
1	Site Clearance	112	32	34		76											Í
2	Excavation and Lateral Support (ELS)	117	32	34			82	82	82								Í
3	Bulk Excavation	115	32	34				80	80	80							ĺ
4	Steel Fixing and Concreting of Structure	111	32	34						76	76	76	76	76			

109

108

16.8

Finishing and Landscape Works 114 32 34 Total SPL from the Proposed Project, L_{eq (30-min)}, dB(A): 76 -

32

32

Exceedance, dB(A)^[4]: -Range, dB(A): 76 - 84

34

34

Highe	est Assessment Level, mPD ^[5] :	22.8																
		0.4/	Notional	Slant			Pre	dicte	ed No	oise l	Leve	I, L _{eq}	(30-mi	_{in)} , dl	3(A)	[2],[3]		
Act No.	Main Construction Elements	SWL, dB(A)	Distance,	Distance,	20	21			22				23				24	
NO.		UB(A)	m ^[1]	m	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	Site Clearance	112	32	36		76												
2	Excavation and Lateral Support (ELS)	117	32	36			81	81	81									
3	Bulk Excavation	115	32	36				79	79	79								
4	Steel Fixing and Concreting of Structure	111	32	36						75	75	75	75	75				
5	Backfilling	109	32	36									73					
6	E&M Installations & Pipeworks	108	32	36									72	72	72	72		
7	Finishing and Landscape Works	114	32	36										78	78	78		
	Total SPL from the Prop	osed Pro	ject, L _{eq (30-}	_{min)} , dB(A):	-	76	81	83	83	81	75	75	78	81	79	79	-	-
			Exceedance	e, dB(A) ^[4] :	-	1	6	8	8	6	0	0	3	6	4	4	-	-

Range, dB(A): 75 - 83

Notes:

5

6

7

Backfilling

The notional source position is taken following the GW-TM. [1]

Distance Attenuation in $dB(A) = 20 \log D + 8$, where D is slant distance in metres.

A +3 dB(A) façade correction was added to the predicted noise level to account for the façade effect at the NSR. [2]

Bolded values indicate exceedance of EIAO-TM noise criteria of 75 dB(A) for residential dwellings. [3] *Construction noise exceedances are predicted at the lowest, middle and highest assessment levels at representative NSR N1a & N1b (HKBTS Staff & Students Quarters). Based on the assessment results and distances of the other sensitive façade of the noise sensitive use - HKBTS Staff & Students Quarters - and the project site, it is estimated that construction noise exceedance would be expected at the sensitive facade facing Nin Ming Road under the unmitigated scenarios, affecting approximately <35 flats.

The construction noise criteria for residential dwelling is 75dB(A). [4]

The floor to floor height of the NSR is assumed as 3m and the assessment levels adopted are 1.2m from the floor of the lowest, middle and [5] highest storeys. The noise source is assumed at 5.5mPD.

NSR ID:	N2
NSR Description:	HKBTS Administration and Education Block
Landuse:	Education
No. of Storey:	5

8.1

Lowest Assessment Level, mPD [5]:

		014/1	Notional	Slant			Pred	icteo	l Noi	se Lo	evel,	L _{eq (3}	30-min	, dB((A) ^[2]	,[3]		
Act No.	Main Construction Elements	SWL, dB(A)	Distance,	Distance,	202				22				23				24	
NO.		ub(A)	m ^[1]	m	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	Site Clearance	112	67	67		<u>71</u>												
2	Excavation and Lateral Support (ELS)	117	67	67			<u>76</u>	<u>76</u>	<u>76</u>									
3	Bulk Excavation	115	67	67				74	74	74							1	
4	Steel Fixing and Concreting of Structure	111	67	67						<u>70</u>	<u>70</u>	<u>70</u>	<u>70</u>	<u>70</u>				
5	Backfilling	109	67	67									68				1	
6	E&M Installations & Pipeworks	108	67	67									67	67	<u>67</u>	<u>67</u>		
7	Finishing and Landscape Works	114	67	67										<u>73</u>	<u>73</u>	<u>73</u>		
	Total SPL from the Prop	osed Pro	oject, L _{eq (30} .	_{min)} , dB(A):	-	<u>71</u>	<u>76</u>	<u>78</u>	<u>78</u>	<u>75</u>	70	<u>70</u>	<u>73</u>	<u>75</u>	<u>74</u>	<u>74</u>	-	-
	Exceedance duri	ng Norma	I School Da	ay, dB(A) ^[4] :	-	1	6	8	8	5	0	0	3	5	4	4	-	-
	Exceedance durir	a Exami	nation Perio	d. dB(A) ^[4] :	-	6	11	13	13	10	5	5	8	10	9	9	-	-

Exceedance during Normal School Day, dB(A)^[4]: Exceedance during Examination Period, dB(A)^[4]:

14.1

Range, dB(A): 70 - 78

Middle Assessment Level, mPD ^[5]:

A		0.4/1	Notional	Slant			Pred	icteo	l Noi	se Le	evel,	L _{eq (3}	30-min	, dB((A) ^[2]	,[3]		
Act No.	Main Construction Elements	SWL, dB(A)	Distance,	Distance,	202				22				23				24	
NO.		UB(A)	m ^[1]	m	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	Site Clearance	112	67	67		<u>71</u>												
2	Excavation and Lateral Support (ELS)	117	67	67			<u>76</u>	<u>76</u>	76									
3	Bulk Excavation	115	67	67				<u>74</u>	74	<u>74</u>								
4	Steel Fixing and Concreting of Structure	111	67	67						<u>70</u>	<u>70</u>	<u>70</u>	<u>70</u>	<u>70</u>				
5	Backfilling	109	67	67									<u>68</u>					
6	E&M Installations & Pipeworks	108	67	67									67	67	67	67		
7	Finishing and Landscape Works	114	67	67										73	73	<u>73</u>		
	Total SPL from the Prop	osed Pro	oject, L _{eq (30} .	_{min)} , dB(A):	-	<u>71</u>	<u>76</u>	<u>78</u>	<u>78</u>	<u>75</u>	70	70	<u>73</u>	<u>75</u>	<u>74</u>	<u>74</u>	-	-
	Exceedance durir	ng Norma	I School Da	ay, dB(A) ^[4] :	-	1	6	8	8	5	0	0	3	5	4	4	-	-
	Exceedance durin	g Examir	nation Perio	od, dB(A) ^[4] :	-	6	11	13	13	10	5	5	8	10	9	9	-	-

Exceedance during Examination Period, dB(A)^[4]:

Range, dB(A): 70 - 78

est Assessment Level, mPD ^[5] :	20.1																
	0.4/1	Notional	Slant			Pred	icteo	l Noi	se L	evel,	L _{eq (3}	30-min)	, dB([A) ^[2]],[3]		
Main Construction Elements	- /		Distance,	202	1		20	22			20	23			20	24	
	ub(A)	m ^[1]	m	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Site Clearance	112	67	68		<u>70</u>												
Excavation and Lateral Support (ELS)	117	67	68			<u>76</u>	<u>76</u>	<u>76</u>									
Bulk Excavation	115	67	68				74	74	74								
Steel Fixing and Concreting of Structure	111	67	68						70	70	70	70	70				
Backfilling	109	67	68									<u>68</u>					
E&M Installations & Pipeworks	108	67	68									66	66	66	<u>66</u>		
	114	67	68										<u>73</u>	<u>73</u>	<u>73</u>		
Total SPL from the Prop	osed Pro	oject, L _{eq (30-}	_{min)} , dB(A):	-	<u>70</u>	<u>76</u>	<u>78</u>	<u>78</u>	<u>75</u>	<u>70</u>	<u>70</u>	<u>73</u>	<u>75</u>	74	<u>74</u>	-	-
Exceedance duri	ng Norma	I School Da	ay, dB(A) ^[4] :	-	0	6	8	8	5	0	0	3	5	4	4	-	-
Main Construction Elements SWL, dB(A) Distance, m ^[1] Distance, m Distance, Total SPL from the Proposed Project, Leg (30-min), dB(A): Distance, m Distance, Total SPL from the Proposed Project, Leg (30-min), dB(A): Distance, Total SPL from the Proposed Project, Leg (30-min), dB(A): Distance, Total SPL from the Proposed Project, Leg (30-min), dB(A): Distance, Total SPL from the Proposed Project, Leg (30-min), dB(A): Distance, Total SPL from the Proposed Proj																	
	Main Construction Elements Site Clearance Excavation and Lateral Support (ELS) Bulk Excavation Steel Fixing and Concreting of Structure Backfilling E&M Installations & Pipeworks Finishing and Landscape Works Total SPL from the Prop Exceedance durin	Main Construction Elements SWL, dB(A) Site Clearance 112 Excavation and Lateral Support (ELS) 117 Bulk Excavation 115 Steel Fixing and Concreting of Structure 111 Backfilling 109 E&M Installations & Pipeworks 108 Finishing and Landscape Works 114 Total SPL from the Proposed Pro Exceedance during Normal	Main Construction Elements SWL, (B(A) Notional Distance, m Site Clearance 112 67 Excavation and Lateral Support (ELS) 117 67 Bulk Excavation 115 67 Steel Fixing and Concreting of Structure 111 67 Backfilling 109 67 E&M Installations & Pipeworks 108 67 Finishing and Landscape Works 114 67 Total SPL from the Proposed Project, L _{eq (30-} Exceedance during Normal School Date	Main Construction ElementsSWL, dB(A)Notional Distance, m ^[1] Slant Distance, mSite Clearance1126768Excavation and Lateral Support (ELS)1176768Bulk Excavation1156768Steel Fixing and Concreting of Structure1116768Backfilling1096768E&M Installations & Pipeworks1086768Finishing and Landscape Works1146768Total SPL from the Proposed Project, Leq (30-min), dB(A): Exceedance during Normal School Day, dB(A) ^[4] :	Main Construction Elements SWL, dB(A) Notional Distance, m ^[1] Slant Distance, m ^[1] Slant Distance, m 202 Q3 Site Clearance 112 67 68 203 Excavation and Lateral Support (ELS) 117 67 68 203 Bulk Excavation 115 67 68 203 Steel Fixing and Concreting of Structure 111 67 68 203 Backfilling 109 67 68 203 E&M Installations & Pipeworks 108 67 68 203 Finishing and Landscape Works 114 67 68 203 Total SPL from the Proposed Project, L _{eq (30-min)} , dB(A): Exceedance during Normal School Day, dB(A) ^[4] : -	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Main Construction Elements SWL, (B(A) Notional Distance, m ^[1] Slant Distance, m ZO21 ZO222 Q3 Q4 Q1 Q2 Q3 Q4 Site Clearance 112 67 68 70 0 <td< td=""><td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td><td>Main Construction Elements SWL, (B(A) Notional Distance, m^[1] Slant Distance, m^[1] Zu21 Zu22 Zu2 Zu3 Q4 Q1 Q2 Q3 Q4 Q1<!--</td--><td>Main Construction Elements SWL, dB(A) Notional Distance, m^[1] Slant Distance, m^[1] Slant Distance, m^[1] Predicted Noise Level, Leq (30-min) Site Clearance 112 67 68 2021 20222 2023 Q4 Q1 Q2 Q3 Site Fixing and Lateral Support (ELS) 111 67 68 I I I I I I I I I I I</td><td>Main Construction Elements SWL, (B(A) Notional Distance, m^[1] Slant Distance, m^[1] Zult Predicted Noise Level, Leq (30-min), dB(2021 U U Leq (30-min), dB(2021 QU QU<td>Main Construction Elements SWL, (B(A)) Notional Distance, m^[1] Slant Distance, m^[1] Predicted Noise Level, L_{eq (30-min)}, dB(A)^[2] Site Clearance 112 67 68 2021 2022 203 Q4 Q1 Q2 Q3 Q4 Q1<</td><td>Main Construction Elements Notional Distance, m^[1] Slant Distance, m^[1] Slant Distance, m^[1] Predicted Noise Level, L_{eq (30-min)}, dB(A)^{[2],[3]} 2021 2022 2023 20 20 Site Clearance 112 67 68 70 0</td><td>Main Construction Elements Notional (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)</td></td></td></td<>	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Main Construction Elements SWL, (B(A) Notional Distance, m ^[1] Slant Distance, m ^[1] Zu21 Zu22 Zu2 Zu3 Q4 Q1 Q2 Q3 Q4 Q1 </td <td>Main Construction Elements SWL, dB(A) Notional Distance, m^[1] Slant Distance, m^[1] Slant Distance, m^[1] Predicted Noise Level, Leq (30-min) Site Clearance 112 67 68 2021 20222 2023 Q4 Q1 Q2 Q3 Site Fixing and Lateral Support (ELS) 111 67 68 I I I I I I I I I I I</td> <td>Main Construction Elements SWL, (B(A) Notional Distance, m^[1] Slant Distance, m^[1] Zult Predicted Noise Level, Leq (30-min), dB(2021 U U Leq (30-min), dB(2021 QU QU<td>Main Construction Elements SWL, (B(A)) Notional Distance, m^[1] Slant Distance, m^[1] Predicted Noise Level, L_{eq (30-min)}, dB(A)^[2] Site Clearance 112 67 68 2021 2022 203 Q4 Q1 Q2 Q3 Q4 Q1<</td><td>Main Construction Elements Notional Distance, m^[1] Slant Distance, m^[1] Slant Distance, m^[1] Predicted Noise Level, L_{eq (30-min)}, dB(A)^{[2],[3]} 2021 2022 2023 20 20 Site Clearance 112 67 68 70 0</td><td>Main Construction Elements Notional (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)</td></td>	Main Construction Elements SWL, dB(A) Notional Distance, m ^[1] Slant Distance, m ^[1] Slant Distance, m ^[1] Predicted Noise Level, Leq (30-min) Site Clearance 112 67 68 2021 20222 2023 Q4 Q1 Q2 Q3 Site Fixing and Lateral Support (ELS) 111 67 68 I I I I I I I I I I I	Main Construction Elements SWL, (B(A) Notional Distance, m ^[1] Slant Distance, m ^[1] Zult Predicted Noise Level, Leq (30-min), dB(2021 U U Leq (30-min), dB(2021 QU QU <td>Main Construction Elements SWL, (B(A)) Notional Distance, m^[1] Slant Distance, m^[1] Predicted Noise Level, L_{eq (30-min)}, dB(A)^[2] Site Clearance 112 67 68 2021 2022 203 Q4 Q1 Q2 Q3 Q4 Q1<</td> <td>Main Construction Elements Notional Distance, m^[1] Slant Distance, m^[1] Slant Distance, m^[1] Predicted Noise Level, L_{eq (30-min)}, dB(A)^{[2],[3]} 2021 2022 2023 20 20 Site Clearance 112 67 68 70 0</td> <td>Main Construction Elements Notional (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)</td>	Main Construction Elements SWL, (B(A)) Notional Distance, m ^[1] Slant Distance, m ^[1] Predicted Noise Level, L _{eq (30-min)} , dB(A) ^[2] Site Clearance 112 67 68 2021 2022 203 Q4 Q1 Q2 Q3 Q4 Q1<	Main Construction Elements Notional Distance, m ^[1] Slant Distance, m ^[1] Slant Distance, m ^[1] Predicted Noise Level, L _{eq (30-min)} , dB(A) ^{[2],[3]} 2021 2022 2023 20 20 Site Clearance 112 67 68 70 0	Main Construction Elements Notional (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)

Range, dB(A): 70 - 78

Notes:

The notional source position is taken following the GW-TM. [1]

Distance Attenuation in $dB(A) = 20 \log D + 8$, where D is slant distance in metres.

A +3 dB(A) façade correction was added to the predicted noise level to account for the façade effect at the NSR. [2]

[3] Bolded values indicate exceedance of EIAO noise criteria of 70 dB(A) for educational institution during normal school days. Underlined values indicate exceedance of EIAO-TM noise criteria of 65 dB(A) for educational institution during examination period. * Construction noise exceedances are predicted at the lowest, middle and highest assessment levels at representative NSR N2 (HKBTS Administration and

Education Block). Based on the assessment results and distances of the other sensitive façade of the noise sensitive use - HKBTS Administration and Education Block - and the project site, it is estimated that construction noise exceedance would be expected at the sensitive facade facing Nin Ming Road under the unmitigated scenarios, affecting approximately up to 16 classrooms / practice rooms / laboratories / library.

The construction noise criteria for educational institution is 70 dB(A) during normal school days and 65 dB(A) during examination period. [4]

The floor to floor height of the NSR is assumed as 3m and the assessment levels adopted are 1.2m from the floor of the lowest, middle and highest [5] storeys. The noise source is assumed at 5.5mPD.

15.2

NSR ID:	N4
NSR Description:	Symphony Bay, Block 11
Landuse:	Residential
No. of Storey:	7

Lowest Assessment Level, mPD [4]:

		014/	Notional	Slant			Pr	edict	ed N	loise	Leve	el, L _e	eq (30-r	_{nin)} , C	IB(A)	[2]		
Act No.	Main Construction Elements	SWL, dB(A)	Distance,	Distance,	20	21		20	22			20	23			20	24	
NO.		ub(A)	m ^[1]	m	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	Site Clearance	112	210	211		61												
2	Excavation and Lateral Support (ELS)	117	210	211			66	66	66									
3	Bulk Excavation	115	210	211				64	64	64								
4	Steel Fixing and Concreting of Structure	111	210	211						60	60	60	60	60				
5	Backfilling	109	210	211									58					
6	E&M Installations & Pipeworks	108	210	211									57	57	57	57		
7	Finishing and Landscape Works	114	210	211										63	63	63		
Total SPL from the Proposed Project, L _{eq (30-min)} , dB(A):						61	66	68	68	65	60	60	63	65	64	64	-	-
	Exceedance, dB(A) ^[4] :					0	0	0	0	0	0	0	0	0	0	0	-	-

Range, dB(A): 60 - 68

Midd	le Assessment Level, mPD ^[4] :	24.2																	
		0.4/1	Notional	Slant		Predicted Noise Level, L _{eq (30-min)} , dB(A) ^[2]													
Act No.	Main Construction Elements	SWL, dB(A)	Distance,	Distance,	20	21			22				23				24		
NO.		uD(), y	m ^[1]	m	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
1	Site Clearance	112	210	211		61													
2	Excavation and Lateral Support (ELS)	117	210	211			66	66	66										
3	Bulk Excavation	115	210	211				64	64	64									
4	Steel Fixing and Concreting of Structure	111	210	211						60	60	60	60	60					
5	Backfilling	109	210	211									58						
6	E&M Installations & Pipeworks	108	210	211									57	57	57	57			
7	Finishing and Landscape Works	114	210	211										63	63	63			
	Total SPL from the Prop	osed Pro	ject, L _{eq (30-}	_{min)} , dB(A):	-	61	66	68	68	65	60	60	63	65	64	64	-	-	
	Exceedance, dB(A) ^[4] : - 0 0 0 0 0 0 0 0 0 0																		
			Ra	nge, dB(A):	60 -	68													

Highe	est Assessment Level, mPD ^[4] :	33.2																
Act		SWL.	Notional	Slant			Pr	edict	ted N	loise	Lev	el, L _e	eq (30-r	_{nin)} , C	IB(A)) [2]		
Act No.	Main Construction Elements	dB(A)	Distance,	Distance,	20	21		20	22			20	23			20	24	
110.		ub(л)	m ^[1]	m	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	Site Clearance	112	210	212		61												
2	Excavation and Lateral Support (ELS)	117	210	212			66	66	66									
3	Bulk Excavation	115	210	212				64	64	64								
4	Steel Fixing and Concreting of Structure	111	210	212						60	60	60	60	60				
5	Backfilling	109	210	212									58					
6	E&M Installations & Pipeworks	108	210	212									57	57	57	57		
7	Finishing and Landscape Works	114	210	212										63	63	63		
	Total SPL from the Prop	_{min)} , dB(A):	-	61	66	68	68	65	60	60	63	65	64	64	-	-		
				e, dB(A) ^[3] : nge, dB(A):		0 68	0	0	0	0	0	0	0	0	0	0	-	-

Notes:

[1]

The notional source position is taken following the GW-TM. Distance Attenuation in dB(A) = 20 log D + 8, where D is slant distance in metres.

A +3 dB(A) façade correction was added to the predicted noise level to account for the façade effect at the NSR. [2]

The construction noise criteria for residential dwelling is 75dB(A). [3]

The floor to floor height of the NSR is assumed as 3m and the assessment levels adopted are 1.2m from the floor of the lowest, middle and [4] highest storeys. The noise source is assumed at 5.5mPD.

7.2

NSR ID:	N5
NSR Description:	Zessa Vista
Landuse:	Residential
No. of Storey:	3

Lowest Assessment Level, mPD [4]:

		014/1	SWL, Distance, D				Pre	dicte	ed No	oise l	_eve	I, L _{eq}	(30-mi	_{in)} , dE	3(A)	[2],[3]		
Act No.	Main Construction Elements	SWL, dB(A)	Distance,	Distance,	20	21			22				23				24	
NO.		ub(A)	m ^[1]	m	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	Site Clearance	112	240	240		59												
2	Excavation and Lateral Support (ELS)	117	240	240			65	65	65									
3	Bulk Excavation	115	240	240				63	63	63								
4	Steel Fixing and Concreting of Structure	111	240	240						59	59	59	59	59				
5	Backfilling	109	240	240									57					
6	E&M Installations & Pipeworks	108	240	240									56	56	56	56		
7	Finishing and Landscape Works	114	240	240										62	62	62		
Total SPL from the Proposed Project, L _{eq (30-min)} , dB(A):						59	65	67	67	64	59	59	62	64	63	63	-	-
	Exceedance, dB(A) ^[3] :					0	0	0	0	0	0	0	0	0	0	0	-	-

Exceedance, $dB(A)^{[3]}$: - 0 0 0 0 0 0 0 0 0 0 0 Range, dB(A): 59 - 67

Midd	e Assessment Level, mPD ^[4] :	10.2																
Act		SWL,	Notional	Slant			Pre	dicte	ed No	oise l	Leve	I, L _{eq}	(30-m	_{in)} , dl	B(A)	[2],[3]		
Act No.	Main Construction Elements	dB(A)	Distance,	Distance,	20	21		20	22			20	23			20	24	
110.		ав(л)	m ^[1]	m	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	Site Clearance	112	240	240		59												
2	Excavation and Lateral Support (ELS)	117	240	240			65	65	65									
3	Bulk Excavation	115	240	240				63	63	63								
4	Steel Fixing and Concreting of Structure	111	240	240						59	59	59	59	59				
5	Backfilling	109	240	240									57					
6	E&M Installations & Pipeworks	108	240	240									56	56	56	56		
7	Finishing and Landscape Works	114	240	240										62	62	62		
-	Total SPL from the Prop	osed Pro	ject, L _{eq (30-}	_{min)} , dB(A):	-	59	65	67	67	64	59	59	62	64	63	63	-	-
	Exceedance, dB(A) ^[3] : - 0 0 0 0 0 0 0 0 0 0 Range, dB(A): 59 - 67																	

Highe	est Assessment Level, mPD ^[4] :	13.2																
		0.44	Notional	Slant			Pre	dicte	ed No	oise l	Leve	l, L _{eq}	(30-mi	_{in)} , dl	B(A)	[2],[3]		
Act No.	Main Construction Elements	SWL,	Distance,	Distance,	20	21			22				23				24	
NO.		dB(A)	m ^[1]	m	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	Site Clearance	112	240	240		59												
2	Excavation and Lateral Support (ELS)	117	240	240			65	65	65									
3	Bulk Excavation	115	240	240				63	63	63								
4	Steel Fixing and Concreting of Structure	111	240	240						59	59	59	59	59				
5	Backfilling	109	240	240									57					
6	E&M Installations & Pipeworks	108	240	240									56	56	56	56		
7	Finishing and Landscape Works	114	240	240										62	62	62		
	Total SPL from the Prop	osed Pro	oject, L _{eq (30-}	_{min)} , dB(A):	-	59	65	67	67	64	59	59	62	64	63	63	-	-
			Exceedance	, , ,		0	0	0	0	0	0	0	0	0	0	0	-	-
			Rai	nge, dB(A):	59 -	67												

Notes:

[1]

The notional source position is taken following the GW-TM. Distance Attenuation in $dB(A) = 20 \log D + 8$, where D is slant distance in metres.

[2] A +3 dB(A) façade correction was added to the predicted noise level to account for the façade effect at the NSR.

The construction noise criteria for residential dwelling is 75dB(A). [3]

The floor to floor height of the NSR is assumed as 3m and the assessment levels adopted are 1.2m from the floor of the lowest, middle and [4] highest storeys. The noise source is assumed at 5.5mPD.