7.8

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

Lowest Assessment Level, mPD <sup>[4]</sup>:

|     |  | 014/1    | Notional                    | Slant                     |    |    | Pr | edict | ed N | loise | Lev | el, L <sub>e</sub> | q (30-r | <sub>nin)</sub> , c | IB(A) | [2] |    |    |
|-----|--|----------|-----------------------------|---------------------------|----|----|----|-------|------|-------|-----|--------------------|---------|---------------------|-------|-----|----|----|
| ACT | Main Construction Elements               | SWL,     | Distance,                   | Distance,                 | 20 | 21 |    | 20    | 22   |       |     | 20                 | 23      |                     |       | 20  | 24 |    |
| NO. |  | ub(A)    | m <sup>[1]</sup>            | m                         | Q3 | Q4 | Q1 | Q2    | Q3   | Q4    | Q1  | Q2                 | Q3      | Q4                  | Q1    | Q2  | Q3 | Q4 |
| 1   | Site Clearance                           | 100      | 41                          | 41                        |    | 63 |    |       |      |       |     |                    |         |                     |       |     |    |    |
| 2   | Excavation and Lateral Support (ELS)     | 106      | 41                          | 41                        |    |    | 68 | 68    | 68   |       |     |                    |         |                     |       |     |    |    |
| 3   | Bulk Excavation                          | 101      | 41                          | 41                        |    |    |    | 64    | 64   | 64    |     |                    |         |                     |       |     |    |    |
| 4   | Steel Fixing and Concreting of Structure | 104      | 41                          | 41                        |    |    |    |       |      | 66    | 66  | 66                 | 66      | 66                  |       |     |    |    |
| 5   | Backfilling                              | 99       | 41                          | 41                        |    |    |    |       |      |       |     |                    | 62      |                     |       |     |    |    |
| 6   | E&M Installations & Pipeworks            | 96       | 41                          | 41                        |    |    |    |       |      |       |     |                    | 59      | 59                  | 59    | 59  |    |    |
| 7   | Finishing and Landscape Works            | 103      | 41                          | 41                        |    |    |    |       |      |       |     |                    |         | 65                  | 65    | 65  |    |    |
|     | Total SPL from the Prop                  | osed Pro | oject, L <sub>eq (30-</sub> | <sub>min)</sub> , dB(A):  | -  | 63 | 68 | 70    | 70   | 68    | 66  | 66                 | 68      | 69                  | 66    | 66  | -  | -  |
|     |  |          | Exceedance                  | e, dB(A) <sup>[3]</sup> : | -  | 0  | 0  | 0     | 0    | 0     | 0   | 0                  | 0       | 0                   | 0     | 0   | -  | -  |

Range, dB(A): 63 - 70

| Midd | le Assessment Level, mPD <sup>[4]</sup> : | 16.8     |                             |                           |    |           |    |       |      |       |     |                    |          |                     |       |     |    |    |
|------|---|----------|-----------------------------|---------------------------|----|-----------|----|-------|------|-------|-----|--------------------|----------|---------------------|-------|-----|----|----|
|      |   | 014/1    | Notional                    | Slant                     |    |           | Pr | edict | ed N | loise | Lev | el, L <sub>e</sub> | eq (30-r | <sub>nin)</sub> , C | IB(A) | [2] |    |    |
| ACT  | Main Construction Elements                | SWL,     | Distance,                   | Distance,                 | 20 | 21        |    | 20    | 22   |       |     | 20                 | 23       |                     |       | 20  | 24 |    |
| NO.  |   | UD(A)    | m <sup>[1]</sup>            | m                         | Q3 | <b>Q4</b> | Q1 | Q2    | Q3   | Q4    | Q1  | Q2                 | Q3       | <b>Q4</b>           | Q1    | Q2  | Q3 | Q4 |
| 1    | Site Clearance                            | 100      | 41                          | 43                        |    | 63        |    |       |      |       |     |                    |          |                     |       |     |    |    |
| 2    | Excavation and Lateral Support (ELS)      | 106      | 41                          | 43                        |    |           | 68 | 68    | 68   |       |     |                    |          |                     |       |     |    |    |
| 3    | Bulk Excavation                           | 101      | 41                          | 43                        |    |           |    | 64    | 64   | 64    |     |                    |          |                     |       |     |    |    |
| 4    | Steel Fixing and Concreting of Structure  | 104      | 41                          | 43                        |    |           |    |       |      | 66    | 66  | 66                 | 66       | 66                  |       |     |    | 1  |
| 5    | Backfilling                               | 99       | 41                          | 43                        |    |           |    |       |      |       |     |                    | 61       |                     |       |     |    |    |
| 6    | E&M Installations & Pipeworks             | 96       | 41                          | 43                        |    |           |    |       |      |       |     |                    | 58       | 58                  | 58    | 58  |    |    |
| 7    | Finishing and Landscape Works             | 103      | 41                          | 43                        |    |           |    |       |      |       |     |                    |          | 65                  | 65    | 65  |    |    |
|      | Total SPL from the Prop                   | osed Pro | oject, L <sub>eq (30-</sub> | <sub>min)</sub> , dB(A):  | -  | 63        | 68 | 69    | 69   | 68    | 66  | 66                 | 68       | 69                  | 66    | 66  | -  | -  |
|      |   |          | Exceedance                  | e, dB(A) <sup>[3]</sup> : | -  | 0         | 0  | 0     | 0    | 0     | 0   | 0                  | 0        | 0                   | 0     | 0   | -  | -  |

Range, dB(A): 63 - 69

| Highe | est Assessment Level, mPD <sup>[4]</sup> : | 22.8     |                             |                           |      |    |    |       |      |       |     |                    |          |                     |       |       |    |    |
|-------|--|----------|-----------------------------|---------------------------|------|----|----|-------|------|-------|-----|--------------------|----------|---------------------|-------|-------|----|----|
| • •   |  | 0.04     | Notional                    | Slant                     |      |    | Pr | edict | ed N | loise | Lev | el, L <sub>e</sub> | eq (30-ı | <sub>nin)</sub> , C | IB(A) | ) [2] |    |    |
| ACt   | Main Construction Elements                 | SWL,     | Distance,                   | Distance,                 | 20   | 21 |    | 20    | 22   |       |     | 20                 | 23       |                     |       | 20    | 24 |    |
| NO.   |  | ub(A)    | m <sup>[1]</sup>            | m                         | Q3   | Q4 | Q1 | Q2    | Q3   | Q4    | Q1  | Q2                 | Q3       | Q4                  | Q1    | Q2    | Q3 | Q4 |
| 1     | Site Clearance                             | 100      | 41                          | 45                        |      | 62 |    |       |      |       |     |                    |          |                     |       |       |    |    |
| 2     | Excavation and Lateral Support (ELS)       | 106      | 41                          | 45                        |      |    | 68 | 68    | 68   |       |     |                    |          |                     |       |       |    |    |
| 3     | Bulk Excavation                            | 101      | 41                          | 45                        |      |    |    | 63    | 63   | 63    |     |                    |          |                     |       |       |    |    |
| 4     | Steel Fixing and Concreting of Structure   | 104      | 41                          | 45                        |      |    |    |       |      | 66    | 66  | 66                 | 66       | 66                  |       |       |    |    |
| 5     | Backfilling                                | 99       | 41                          | 45                        |      |    |    |       |      |       |     |                    | 61       |                     |       |       |    |    |
| 6     | E&M Installations & Pipeworks              | 96       | 41                          | 45                        |      |    |    |       |      |       |     |                    | 58       | 58                  | 58    | 58    |    |    |
| 7     | Finishing and Landscape Works              | 103      | 41                          | 45                        |      |    |    |       |      |       |     |                    |          | 65                  | 65    | 65    |    |    |
|       | Total SPL from the Prop                    | osed Pro | oject, L <sub>eq (30-</sub> | <sub>min)</sub> , dB(A):  | -    | 62 | 68 | 69    | 69   | 68    | 66  | 66                 | 67       | 69                  | 65    | 65    | -  | -  |
|       |  |          | Exceedance                  | e, dB(A) <sup>[3]</sup> : | -    | 0  | 0  | 0     | 0    | 0     | 0   | 0                  | 0        | 0                   | 0     | 0     | -  | -  |
|       |  |          | Rai                         | nge, dB(A):               | 62 - | 69 |    |       |      |       |     |                    |          |                     |       |       |    |    |

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]

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

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 storeys. The noise source is assumed at 5.5mPD. [4]

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 [4]:

|     |  | 0.4/     | Notional                    | Slant                      |    |    | Pr | edict | ed N | loise | Lev | el, L <sub>e</sub> | eq (30-r | <sub>nin)</sub> , c | B(A) | [2] |    |    |
|-----|--|----------|-----------------------------|----------------------------|----|----|----|-------|------|-------|-----|--------------------|----------|---------------------|------|-----|----|----|
| ACt | Main Construction Elements               | SWL,     | Distance,                   | Distance,                  | 20 | 21 |    | 20    | 22   |       |     | 20                 | 23       |                     |      | 20  | 24 |    |
| NO. |  | uB(A)    | m <sup>[1]</sup>            | m                          | Q3 | Q4 | Q1 | Q2    | Q3   | Q4    | Q1  | Q2                 | Q3       | Q4                  | Q1   | Q2  | Q3 | Q4 |
| 1   | Site Clearance                           | 100      | 32                          | 32                         |    | 65 |    |       |      |       |     |                    |          |                     |      |     |    |    |
| 2   | Excavation and Lateral Support (ELS)     | 106      | 32                          | 32                         |    |    | 71 | 71    | 71   |       |     |                    |          |                     |      |     |    |    |
| 3   | Bulk Excavation                          | 101      | 32                          | 32                         |    |    |    | 66    | 66   | 66    |     |                    |          |                     |      |     |    |    |
| 4   | Steel Fixing and Concreting of Structure | 104      | 32                          | 32                         |    |    |    |       |      | 68    | 68  | 68                 | 68       | 68                  |      |     |    |    |
| 5   | Backfilling                              | 99       | 32                          | 32                         |    |    |    |       |      |       |     |                    | 64       |                     |      |     |    |    |
| 6   | E&M Installations & Pipeworks            | 96       | 32                          | 32                         |    |    |    |       |      |       |     |                    | 61       | 61                  | 61   | 61  |    |    |
| 7   | Finishing and Landscape Works            | 103      | 32                          | 32                         |    |    |    |       |      |       |     |                    |          | 67                  | 67   | 67  |    |    |
|     | Total SPL from the Prop                  | osed Pro | oject, L <sub>eq (30-</sub> | . <sub>min)</sub> , dB(A): | -  | 65 | 71 | 72    | 72   | 70    | 68  | 68                 | 70       | 71                  | 68   | 68  | -  | -  |
|     |  |          | Execodone                   | AD(A)[3]                   | _  | Ο  | Ο  | Ο     | Ο    | 0     | Ο   | Ο                  | Ο        | Ο                   | Ο    | Ο   | -  | _  |

Range, dB(A): 65 - 72

#### Middle Assessment Level, mPD [4]: 16.8 $\label{eq:predicted Noise Level, L_{eq\,(30\text{-min})},\,dB(A) \stackrel{[2],[3]}{=}$ Notional Slant SWL. Act Distance, 2021 2022 2023 2024 Main Construction Elements Distance, No. dB(A) m <sup>[1]</sup> m Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Site Clearance 100 32 34 1 65 2 Excavation and Lateral Support (ELS) 106 32 34 70 70 70 3 Bulk Excavation 101 34 66 66 66 32 Steel Fixing and Concreting of Structure 104 4 32 34 68 68 68 68 68 5 Backfilling 99 32 34 63 6 E&M Installations & Pipeworks 96 32 34 60 60 60 60 7 Finishing and Landscape Works 103 32 34 67 67 67 -Total SPL from the Proposed Project, L<sub>eq (30-min)</sub>, dB(A): 65 70 71 71 70 68 68 70 71 68 68 Exceedance, dB(A)<sup>[3]</sup>: 0 0 0 0 0 0 0 0 0 0 0 \_

Range, dB(A): 65 - 71

| Highe | est Assessment Level, mPD <sup>[4]</sup> : | 22.8     |                             |                           |    |    |     |       |       |        |      |                    |        |                    |      |         |    |           |
|-------|--|----------|-----------------------------|---------------------------|----|----|-----|-------|-------|--------|------|--------------------|--------|--------------------|------|---------|----|-----------|
|       |  | 014/1    | Notional                    | Slant                     |    |    | Pre | dicte | ed No | oise I | Leve | I, L <sub>eq</sub> | (30-mi | <sub>n)</sub> , dE | 3(A) | [2],[3] |    |           |
| ACT   | Main Construction Elements                 | SWL,     | Distance,                   | Distance,                 | 20 | 21 |     | 20    | 22    |        |      | 20                 | 23     |                    |      | 20      | 24 |           |
| NO.   |  | UB(A)    | m <sup>[1]</sup>            | m                         | Q3 | Q4 | Q1  | Q2    | Q3    | Q4     | Q1   | Q2                 | Q3     | Q4                 | Q1   | Q2      | Q3 | <b>Q4</b> |
| 1     | Site Clearance                             | 100      | 32                          | 36                        |    | 64 |     |       |       |        |      |                    |        |                    |      |         |    |           |
| 2     | Excavation and Lateral Support (ELS)       | 106      | 32                          | 36                        |    |    | 70  | 70    | 70    |        |      |                    |        |                    |      |         |    |           |
| 3     | Bulk Excavation                            | 101      | 32                          | 36                        |    |    |     | 65    | 65    | 65     |      |                    |        |                    |      |         |    |           |
| 4     | Steel Fixing and Concreting of Structure   | 104      | 32                          | 36                        |    |    |     |       |       | 67     | 67   | 67                 | 67     | 67                 |      |         |    |           |
| 5     | Backfilling                                | 99       | 32                          | 36                        |    |    |     |       |       |        |      |                    | 63     |                    |      |         |    |           |
| 6     | E&M Installations & Pipeworks              | 96       | 32                          | 36                        |    |    |     |       |       |        |      |                    | 60     | 60                 | 60   | 60      |    |           |
| 7     | Finishing and Landscape Works              | 103      | 32                          | 36                        |    |    |     |       |       |        |      |                    |        | 66                 | 66   | 66      |    |           |
|       | Total SPL from the Prop                    | osed Pro | oject, L <sub>eq (30-</sub> | <sub>min)</sub> , dB(A):  | -  | 64 | 70  | 71    | 71    | 69     | 67   | 67                 | 69     | 70                 | 67   | 67      | -  | -         |
|       |  |          | Exceedance                  | e, dB(A) <sup>[3]</sup> : | -  | 0  | 0   | 0     | 0     | 0      | 0    | 0                  | 0      | 0                  | 0    | 0       | -  | -         |

Range, dB(A): 64 - 71

## 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.

[3] 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 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 <sup>[5]</sup>:

|     |  | 014/1    | SWL, Notional SWL, Distance, Distanc | Slant                      |    |    | Pre | dicte     | ed No     | oise I | Leve | I, L <sub>eq</sub> | (30-m | <sub>n)</sub> , dl | B(A) | [2],[3] |    |    |
|-----|--|----------|--|----------------------------|----|----|-----|-----------|-----------|--------|------|--------------------|-------|--------------------|------|---------|----|----|
| ACT | Main Construction Elements               | SWL,     | Distance,  | Distance,                  | 20 | 21 |     | 20        | 22        |        |      | 20                 | 23    |                    |      | 20      | 24 |    |
| NO. |  | UD(A)    | m <sup>[1]</sup>   | m                          | Q3 | Q4 | Q1  | Q2        | Q3        | Q4     | Q1   | Q2                 | Q3    | Q4                 | Q1   | Q2      | Q3 | Q4 |
| 1   | Site Clearance                           | 100      | 67   | 67                         |    | 59 |     |           |           |        |      |                    |       |                    |      |         |    |    |
| 2   | Excavation and Lateral Support (ELS)     | 106      | 67   | 67                         |    |    | 64  | 64        | 64        |        |      |                    |       |                    |      |         |    |    |
| 3   | Bulk Excavation                          | 101      | 67   | 67                         |    |    |     | 60        | 60        | 60     |      |                    |       |                    |      |         |    |    |
| 4   | Steel Fixing and Concreting of Structure | 104      | 67   | 67                         |    |    |     |           |           | 62     | 62   | 62                 | 62    | 62                 |      |         |    |    |
| 5   | Backfilling                              | 99       | 67   | 67                         |    |    |     |           |           |        |      |                    | 58    |                    |      |         |    |    |
| 6   | E&M Installations & Pipeworks            | 96       | 67   | 67                         |    |    |     |           |           |        |      |                    | 55    | 55                 | 55   | 55      |    |    |
| 7   | Finishing and Landscape Works            | 103      | 67   | 67                         |    |    |     |           |           |        |      |                    |       | 61                 | 61   | 61      |    |    |
|     | Total SPL from the Prop                  | osed Pro | oject, L <sub>eq (30-</sub>  | <sub>min)</sub> , dB(A):   | -  | 59 | 64  | <u>66</u> | <u>66</u> | 64     | 62   | 62                 | 64    | 65                 | 62   | 62      | -  | -  |
|     | Exceedance durin                         | g Norma  | l School Da  | ay, dB(A) <sup>[4]</sup> : | -  | 0  | 0   | 0         | 0         | 0      | 0    | 0                  | 0     | 0                  | 0    | 0       | -  | -  |
|     | Exceedance during                        | g Examir | nation Perio   | od, dB(A) <sup>[4]</sup> : | -  | 0  | 0   | 1         | 1         | 0      | 0    | 0                  | 0     | 0                  | 0    | 0       | -  | -  |

Range, dB(A): 59 - 66

2024 Q1 Q2 Q3 Q4

\_

0 0 0 0 0 0 0 --

1

0 0 0

0 0 0 0

| Midd | le Assessment Level, mPD <sup>[5]</sup> : | 14.1     |                  |              |    |    |     |       |       |      |      |                    |       |                     |                   |         |
|------|---|----------|------------------|--------------|----|----|-----|-------|-------|------|------|--------------------|-------|---------------------|-------------------|---------|
|      |   |          | Notional         | Slant        |    |    | Pre | dicte | ed No | oise | Leve | I, L <sub>eq</sub> | (30-m | <sub>in)</sub> , di | 3(A) <sup> </sup> | [2],[3] |
| Act  | Main Construction Elements                | SWL,     | Distance,        | Distance,    | 20 | 21 |     | 20    | 22    |      |      | 20                 | 23    |                     |                   | 20      |
| NO.  |   | UB(A)    | m <sup>[1]</sup> | m            | Q3 | Q4 | Q1  | Q2    | Q3    | Q4   | Q1   | Q2                 | Q3    | Q4                  | Q1                | Q2      |
| 1    | Site Clearance                            | 100      | 67               | 67           |    | 59 |     |       |       |      |      |                    |       |                     |                   |         |
| 2    | Excavation and Lateral Support (ELS)      | 106      | 67               | 67           |    |    | 64  | 64    | 64    |      |      |                    |       |                     |                   |         |
| 3    | Bulk Excavation                           | 101      | 67               | 67           |    |    |     | 60    | 60    | 60   |      |                    |       |                     |                   |         |
| 4    | Steel Fixing and Concreting of Structure  | 104      | 67               | 67           |    |    |     |       |       | 62   | 62   | 62                 | 62    | 62                  |                   |         |
| 5    | Backfilling                               | 99       | 67               | 67           |    |    |     |       |       |      |      |                    | 57    |                     |                   |         |
| 6    | E&M Installations & Pipeworks             | 96       | 67               | 67           |    |    |     |       |       |      |      |                    | 54    | 54                  | 54                | 54      |
| 7    | Finishing and Landscape Works             | 103      | 67               | 67           |    |    |     |       |       |      |      |                    |       | 61                  | 61                | 61      |
|      | Total SPL from the Prop                   | osed Pro | ject, Leg (30-   | min), dB(A): | -  | 59 | 64  | 66    | 66    | 64   | 62   | 62                 | 64    | 65                  | 62                | 62      |

**Exceedance during Normal School Day, dB(A)**<sup>[4]</sup>: - 0 0 0 0 Exceedance during Examination Period, dB(A)<sup>[4]</sup>: - 0

0 1 Range, dB(A): 59 - 66 20.1

| High | est Assessment Level, mPD <sup>[5]</sup> : | 20.1     |                             |                            |    |    |     |       |       |        |      |                    |       |                     |      |         |    |    |
|------|--|----------|-----------------------------|----------------------------|----|----|-----|-------|-------|--------|------|--------------------|-------|---------------------|------|---------|----|----|
|      |  |          | Notional                    | Slant                      |    |    | Pre | dicte | ed No | oise I | Leve | I, L <sub>eq</sub> | (30-m | <sub>in)</sub> , di | 3(A) | [2],[3] |    |    |
| Act  | Main Construction Elements                 | SWL,     | Distance,                   | Distance,                  | 20 | 21 |     | 20    | 22    |        |      | 20                 | 23    | -                   |      | 20      | 24 |    |
| NO.  |  | UB(A)    | m <sup>[1]</sup>            | m                          | Q3 | Q4 | Q1  | Q2    | Q3    | Q4     | Q1   | Q2                 | Q3    | Q4                  | Q1   | Q2      | Q3 | Q4 |
| 1    | Site Clearance                             | 100      | 67                          | 68                         |    | 59 |     |       |       |        |      |                    |       |                     |      |         |    |    |
| 2    | Excavation and Lateral Support (ELS)       | 106      | 67                          | 68                         |    |    | 64  | 64    | 64    |        |      |                    |       |                     |      |         |    |    |
| 3    | Bulk Excavation                            | 101      | 67                          | 68                         |    |    |     | 59    | 59    | 59     |      |                    |       |                     |      |         |    |    |
| 4    | Steel Fixing and Concreting of Structure   | 104      | 67                          | 68                         |    |    |     |       |       | 62     | 62   | 62                 | 62    | 62                  |      |         |    |    |
| 5    | Backfilling                                | 99       | 67                          | 68                         |    |    |     |       |       |        |      |                    | 57    |                     |      |         |    |    |
| 6    | E&M Installations & Pipeworks              | 96       | 67                          | 68                         |    |    |     |       |       |        |      |                    | 54    | 54                  | 54   | 54      |    |    |
| 7    | Finishing and Landscape Works              | 103      | 67                          | 68                         |    |    |     |       |       |        |      |                    |       | 61                  | 61   | 61      |    |    |
|      | Total SPL from the Prop                    | osed Pro | oject, L <sub>eq (30-</sub> | . <sub>min)</sub> , dB(A): | -  | 59 | 64  | 65    | 65    | 64     | 62   | 62                 | 64    | 65                  | 62   | 62      | -  | -  |
|      | Exceedance durin                           | g Norma  | I School Da                 | ay, dB(A) <sup>[4]</sup> : | -  | 0  | 0   | 0     | 0     | 0      | 0    | 0                  | 0     | 0                   | 0    | 0       | -  | -  |
|      | Exceedance during                          | g Examir | nation Perio                | od, dB(A) <sup>[4]</sup> : | -  | 0  | 0   | 0     | 0     | 0      | 0    | 0                  | 0     | 0                   | 0    | 0       | -  | -  |

Range, dB(A): 59 - 65

#### 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]

Underlined values indicate exceedance of EIAO-TM noise criteria of 65 dB(A) for educational institution during examination period. [3]

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

[5] 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 storeys. The noise source is assumed at 5.5mPD.

| NSR ID:          | N2 (during Examination period)                  |
|------------------|---|
| NSR Description: | <b>HKBTS</b> Administration and Education Block |
| Landuse:         | Education                                       |
| No. of Storey:   | 5   |

8.1

Lowest Assessment Level, mPD [4]:

|     |  | 014/1    | Notional                    | Slant                      |    |    | Pr | edict | ted N | loise | Lev | el, L <sub>e</sub> | eq (30-r | <sub>nin)</sub> , c | IB(A) | ) [2] |    |    |
|-----|--|----------|-----------------------------|----------------------------|----|----|----|-------|-------|-------|-----|--------------------|----------|---------------------|-------|-------|----|----|
| ACt | Main Construction Elements               | SWL,     | Distance,                   | Distance,                  | 20 | 21 |    | 20    | 22    |       |     | 20                 | 23       |                     |       | 20    | 24 |    |
| NO. |  | UD(A)    | m <sup>[1]</sup>            | m                          | Q3 | Q4 | Q1 | Q2    | Q3    | Q4    | Q1  | Q2                 | Q3       | Q4                  | Q1    | Q2    | Q3 | Q4 |
| 1   | Site Clearance                           | 100      | 67                          | 67                         |    | 59 |    |       |       |       |     |                    |          |                     |       |       |    |    |
| 2 # | Excavation and Lateral Support (ELS)     | 101      | 67                          | 67                         |    |    | 59 | 59    | 59    |       |     |                    |          |                     |       |       |    |    |
| 3   | Bulk Excavation                          | 101      | 67                          | 67                         |    |    |    | 60    | 60    | 60    |     |                    |          |                     |       |       |    |    |
| 4 # | Steel Fixing and Concreting of Structure | 102      | 67                          | 67                         |    |    |    |       |       | 61    | 61  | 61                 | 61       | 61                  |       |       |    |    |
| 5   | Backfilling                              | 99       | 61                          | 61                         |    |    |    |       |       |       |     |                    | 58       |                     |       |       |    |    |
| 6   | E&M Installations & Pipeworks            | 96       | 61                          | 61                         |    |    |    |       |       |       |     |                    | 55       | 55                  | 55    | 55    |    |    |
| 7   | Finishing and Landscape Works            | 103      | 61                          | 61                         |    |    |    |       |       |       |     |                    |          | 62                  | 62    | 62    |    |    |
|     | Total SPL from the Prop                  | osed Pro | oject, L <sub>eq (30-</sub> | <sub>min)</sub> , dB(A):   | -  | 59 | 59 | 63    | 63    | 63    | 61  | 61                 | 64       | 65                  | 63    | 63    | -  | -  |
|     | Exceedance durin                         | a Norma  | School Da                   | av. dB(A) <sup>[3]</sup> : | -  | 0  | 0  | 0     | 0     | 0     | 0   | 0                  | 0        | 0                   | 0     | 0     | -  | -  |

Exceedance during Normal School Day,  $dB(A)^{[3]}$ : - 0 0 0 0 0 0 0 0 0 0 0 Exceedance during Examination Period,  $dB(A)^{[3]}$ : - 0 0 0 0 0 0 0 0 0 0 0

Range, dB(A): 59 - 65

0 0 0 0 -\_

0 0

0 0

-

| Midd | le Assessment Level, mPD [4]:            | 14.1     |                             |                            |    |    |    |       |      |       |     |                    |          |                     |       |                  |    |    |
|------|--|----------|-----------------------------|----------------------------|----|----|----|-------|------|-------|-----|--------------------|----------|---------------------|-------|------------------|----|----|
| • •  |  | 0.14     | Notional                    | Slant                      |    |    | Pr | edict | ed N | loise | Lev | el, L <sub>e</sub> | eq (30-ı | <sub>nin)</sub> , C | IB(A) | ) <sup>[2]</sup> |    |    |
| Act  | Main Construction Elements               | SWL,     | Distance,                   | Distance,                  | 20 | 21 |    | 20    | 22   |       |     | 20                 | 23       |                     |       | 20               | 24 |    |
| NO.  |  | UB(A)    | m <sup>[1]</sup>            | m                          | Q3 | Q4 | Q1 | Q2    | Q3   | Q4    | Q1  | Q2                 | Q3       | Q4                  | Q1    | Q2               | Q3 | Q4 |
| 1    | Site Clearance                           | 100      | 67                          | 67                         |    | 59 |    |       |      |       |     |                    |          |                     |       |                  |    |    |
| 2 #  | Excavation and Lateral Support (ELS)     | 101      | 67                          | 67                         |    |    | 59 | 59    | 59   |       |     |                    |          |                     |       |                  |    |    |
| 3    | Bulk Excavation                          | 101      | 67                          | 67                         |    |    |    | 60    | 60   | 60    |     |                    |          |                     |       |                  |    |    |
| 4 #  | Steel Fixing and Concreting of Structure | 102      | 67                          | 67                         |    |    |    |       |      | 61    | 61  | 61                 | 61       | 61                  |       |                  |    |    |
| 5    | Backfilling                              | 99       | 67                          | 67                         |    |    |    |       |      |       |     |                    | 57       |                     |       |                  |    |    |
| 6    | E&M Installations & Pipeworks            | 96       | 67                          | 67                         |    |    |    |       |      |       |     |                    | 54       | 54                  | 54    | 54               |    |    |
| 7    | Finishing and Landscape Works            | 103      | 67                          | 67                         |    |    |    |       |      |       |     |                    |          | 61                  | 61    | 61               |    |    |
|      | Total SPL from the Prop                  | osed Pro | oject, L <sub>eq (30-</sub> | <sub>min)</sub> , dB(A):   | -  | 59 | 59 | 62    | 62   | 63    | 61  | 61                 | 63       | 64                  | 62    | 62               | -  | -  |
|      | Exceedance durin                         | g Norma  | I School Da                 | ay, dB(A) <sup>[3]</sup> : | -  | 0  | 0  | 0     | 0    | 0     | 0   | 0                  | 0        | 0                   | 0     | 0                | -  | -  |

Exceedance during Examination Period, dB(A)<sup>[3]</sup>: - 0 0 0 0 0 0 0 0

Range, dB(A): 59 - 64

| Highe | est Assessment Level, mPD <sup>[4]</sup> : | 20.1  |                             |                            |    |    |    |       |       |       |     |                    |          |                     |      |       |    |    |
|-------|--|---|-----------------------------|----------------------------|----|----|----|-------|-------|-------|-----|--------------------|----------|---------------------|------|-------|----|----|
|       |  | 0.14/1  | Notional                    | Slant                      |    |    | Pr | edict | ted N | loise | Lev | el, L <sub>e</sub> | eq (30-r | <sub>nin)</sub> , C | B(A) | ) [2] |    |    |
| ACt   | Main Construction Elements                 | SWL,  | Distance,                   | Distance,                  | 20 | 21 |    | 20    | 22    |       |     | 20                 | 23       |                     |      | 20    | 24 |    |
| NO.   |  | ub(A)   | m <sup>[1]</sup>            | m                          | Q3 | Q4 | Q1 | Q2    | Q3    | Q4    | Q1  | Q2                 | Q3       | Q4                  | Q1   | Q2    | Q3 | Q4 |
| 1     | Site Clearance                             | 100   | 67                          | 68                         |    | 59 |    |       |       |       |     |                    |          |                     |      |       |    |    |
| 2 #   | Excavation and Lateral Support (ELS)       | 101   | 67                          | 68                         |    |    | 59 | 59    | 59    |       |     |                    |          |                     |      |       |    |    |
| 3     | Bulk Excavation                            | 101   | 67                          | 68                         |    |    |    | 59    | 59    | 59    |     |                    |          |                     |      |       |    |    |
| 4 #   | Steel Fixing and Concreting of Structure   | 102   | 67                          | 68                         |    |    |    |       |       | 61    | 61  | 61                 | 61       | 61                  |      |       |    |    |
| 5     | Backfilling                                | 99  | 67                          | 68                         |    |    |    |       |       |       |     |                    | 57       |                     |      |       |    |    |
| 6     | E&M Installations & Pipeworks              | 96  | 67                          | 68                         |    |    |    |       |       |       |     |                    | 54       | 54                  | 54   | 54    |    |    |
| 7     | Finishing and Landscape Works              | 103   | 67                          | 68                         |    |    |    |       |       |       |     |                    |          | 61                  | 61   | 61    |    |    |
|       | Total SPL from the Prop                    | osed Pro  | oject, L <sub>eq (30-</sub> | <sub>min)</sub> , dB(A):   | -  | 59 | 59 | 62    | 62    | 63    | 61  | 61                 | 63       | 64                  | 62   | 62    | -  | -  |
|       | Exceedance durin                           | g Norma   | l School Da                 | iy, dB(A) <sup>[3]</sup> : | -  | 0  | 0  | 0     | 0     | 0     | 0   | 0                  | 0        | 0                   | 0    | 0     | -  | -  |
|       | Exceedance during                          | Exceedance during Normal School Day, dB(A<br>Exceedance during Examination Period, dB(A |                             |                            |    |    |    |       |       |       |     | 0                  | 0        | 0                   | 0    | 0     | -  | -  |

Range, dB(A): 59 - 64

### 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] 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 storeys. The noise source is assumed at 5.5mPD.

Activity was implemented special arrangement of PMEs during examination period, such as no Piling, osciallator nor no overlapping with concret #

15.2

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

Lowest Assessment Level, mPD [4]:

|     |  | 0.44     | Notional                    | Slant                     |    |    | Pr | edict | ed N | loise | Lev | el, L <sub>e</sub> | eq (30-ı | <sub>nin)</sub> , c | IB(A) | ) [2] |    |    |
|-----|--|----------|-----------------------------|---------------------------|----|----|----|-------|------|-------|-----|--------------------|----------|---------------------|-------|-------|----|----|
| ACT | Main Construction Elements               | SWL,     | Distance,                   | Distance,                 | 20 | 21 |    | 20    | 22   |       |     | 20                 | 23       |                     |       | 20    | 24 |    |
| NO. |  | ub(A)    | m <sup>[1]</sup>            | m                         | Q3 | Q4 | Q1 | Q2    | Q3   | Q4    | Q1  | Q2                 | Q3       | Q4                  | Q1    | Q2    | Q3 | Q4 |
| 1   | Site Clearance                           | 100      | 210                         | 211                       |    | 49 |    |       |      |       |     |                    |          |                     |       |       |    |    |
| 2   | Excavation and Lateral Support (ELS)     | 106      | 210                         | 211                       |    |    | 54 | 54    | 54   |       |     |                    |          |                     |       |       |    |    |
| 3   | Bulk Excavation                          | 101      | 210                         | 211                       |    |    |    | 50    | 50   | 50    |     |                    |          |                     |       |       |    |    |
| 4   | Steel Fixing and Concreting of Structure | 104      | 210                         | 211                       |    |    |    |       |      | 52    | 52  | 52                 | 52       | 52                  |       |       |    |    |
| 5   | Backfilling                              | 99       | 210                         | 211                       |    |    |    |       |      |       |     |                    | 48       |                     |       |       |    |    |
| 6   | E&M Installations & Pipeworks            | 96       | 210                         | 211                       |    |    |    |       |      |       |     |                    | 45       | 45                  | 45    | 45    |    |    |
| 7   | Finishing and Landscape Works            | 103      | 210                         | 211                       |    |    |    |       |      |       |     |                    |          | 51                  | 51    | 51    |    |    |
|     | Total SPL from the Prop                  | osed Pro | oject, L <sub>eq (30-</sub> | <sub>min)</sub> , dB(A):  | -  | 49 | 54 | 56    | 56   | 54    | 52  | 52                 | 54       | 55                  | 52    | 52    | -  | -  |
|     |  |          | Exceedance                  | e, dB(A) <sup>[3]</sup> : | -  | 0  | 0  | 0     | 0    | 0     | 0   | 0                  | 0        | 0                   | 0     | 0     | -  | -  |

Range, dB(A): 49 - 56

| Midd | le Assessment Level, mPD <sup>[4]</sup> : | 24.2     |                            |                           |    |    |     |       |       |        |      |                    |        |                    |      |         |    |    |
|------|---|----------|----------------------------|---------------------------|----|----|-----|-------|-------|--------|------|--------------------|--------|--------------------|------|---------|----|----|
|      |   | 014/1    | Notional                   | Slant                     |    |    | Pre | dicte | ed No | oise I | Leve | I, L <sub>eq</sub> | (30-mi | <sub>n)</sub> , dl | 3(A) | [2],[3] |    |    |
| ACT  | Main Construction Elements                | SWL,     | Distance,                  | Distance,                 | 20 | 21 |     | 20    | 22    |        |      | 20                 | 23     |                    |      | 20      | 24 |    |
| NO.  |   | ub(A)    | m <sup>[1]</sup>           | m                         | Q3 | Q4 | Q1  | Q2    | Q3    | Q4     | Q1   | Q2                 | Q3     | Q4                 | Q1   | Q2      | Q3 | Q4 |
| 1    | Site Clearance                            | 100      | 210                        | 211                       |    | 49 |     |       |       |        |      |                    |        |                    |      |         |    |    |
| 2    | Excavation and Lateral Support (ELS)      | 106      | 210                        | 211                       |    |    | 54  | 54    | 54    |        |      |                    |        |                    |      |         |    |    |
| 3    | Bulk Excavation                           | 101      | 210                        | 211                       |    |    |     | 50    | 50    | 50     |      |                    |        |                    |      |         |    |    |
| 4    | Steel Fixing and Concreting of Structure  | 104      | 210                        | 211                       |    |    |     |       |       | 52     | 52   | 52                 | 52     | 52                 |      |         |    | ł  |
| 5    | Backfilling                               | 99       | 210                        | 211                       |    |    |     |       |       |        |      |                    | 48     |                    |      |         |    |    |
| 6    | E&M Installations & Pipeworks             | 96       | 210                        | 211                       |    |    |     |       |       |        |      |                    | 44     | 44                 | 44   | 44      |    |    |
| 7    | Finishing and Landscape Works             | 103      | 210                        | 211                       |    |    |     |       |       |        |      |                    |        | 51                 | 51   | 51      |    |    |
|      | Total SPL from the Prop                   | osed Pro | ject, L <sub>eq (30-</sub> | <sub>min)</sub> , dB(A):  | -  | 49 | 54  | 56    | 56    | 54     | 52   | 52                 | 54     | 55                 | 52   | 52      | -  | -  |
|      |   |          | Exceedance                 | e, dB(A) <sup>[3]</sup> : | -  | 0  | 0   | 0     | 0     | 0      | 0    | 0                  | 0      | 0                  | 0    | 0       | -  | -  |

Range, dB(A): 49 - 56

| Highe | est Assessment Level, mPD <sup>[4]</sup> : | 33.2     |                             |                            |      |    |     |       |       |        |      |                    |        |                    |      |         |    |    |
|-------|--|----------|-----------------------------|----------------------------|------|----|-----|-------|-------|--------|------|--------------------|--------|--------------------|------|---------|----|----|
|       |  | 014/1    | Notional                    | Slant                      |      |    | Pre | dicte | ed No | oise I | Leve | I, L <sub>eq</sub> | (30-mi | <sub>n)</sub> , dE | 3(A) | [2],[3] |    |    |
| ACT   | Main Construction Elements                 | SWL,     | Distance,                   | Distance,                  | 20   | 21 |     | 20    | 22    |        |      | 20                 | 23     |                    |      | 20      | 24 |    |
| NO.   |  | ub(A)    | m <sup>[1]</sup>            | m                          | Q3   | Q4 | Q1  | Q2    | Q3    | Q4     | Q1   | Q2                 | Q3     | Q4                 | Q1   | Q2      | Q3 | Q4 |
| 1     | Site Clearance                             | 100      | 210                         | 212                        |      | 49 |     |       |       |        |      |                    |        |                    |      |         |    |    |
| 2     | Excavation and Lateral Support (ELS)       | 106      | 210                         | 212                        |      |    | 54  | 54    | 54    |        |      |                    |        |                    |      |         |    |    |
| 3     | Bulk Excavation                            | 101      | 210                         | 212                        |      |    |     | 50    | 50    | 50     |      |                    |        |                    |      |         |    |    |
| 4     | Steel Fixing and Concreting of Structure   | 104      | 210                         | 212                        |      |    |     |       |       | 52     | 52   | 52                 | 52     | 52                 |      |         |    |    |
| 5     | Backfilling                                | 99       | 210                         | 212                        |      |    |     |       |       |        |      |                    | 47     |                    |      |         |    |    |
| 6     | E&M Installations & Pipeworks              | 96       | 210                         | 212                        |      |    |     |       |       |        |      |                    | 44     | 44                 | 44   | 44      |    |    |
| 7     | Finishing and Landscape Works              | 103      | 210                         | 212                        |      |    |     |       |       |        |      |                    |        | 51                 | 51   | 51      |    |    |
|       | Total SPL from the Prop                    | osed Pro | oject, L <sub>eq (30-</sub> | <sub>min)</sub> , dB(A):   | -    | 49 | 54  | 56    | 56    | 54     | 52   | 52                 | 54     | 55                 | 52   | 52      | -  | -  |
|       |  |          | Exceedance                  | ;e, dB(A) <sup>[3]</sup> : | -    | 0  | 0   | 0     | 0     | 0      | 0    | 0                  | 0      | 0                  | 0    | 0       | -  | -  |
|       |  |          | Rai                         | nge, dB(A):                | 49 - | 56 |     |       |       |        |      |                    |        |                    |      |         |    |    |

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]

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

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 storeys. The noise source is assumed at 5.5mPD. [4]

7.2

| NSR ID:          | N5          |
|------------------|-------------|
| NSR Description: | Zessa Vista |
| Landuse:         | Residential |
| No. of Storev:   | 3           |

Lowest Assessment Level, mPD <sup>[4]</sup>:

|     |  | 0.4/     | Notional                    | Slant                     |    |    | Pre | edict | ed N | loise | Lev | el, L <sub>e</sub> | eq (30-r | <sub>nin)</sub> , C | IB(A) | ) [2] |    |    |
|-----|--|----------|-----------------------------|---------------------------|----|----|-----|-------|------|-------|-----|--------------------|----------|---------------------|-------|-------|----|----|
| ACT | Main Construction Elements               | SWL,     | Distance,                   | Distance,                 | 20 | 21 |     | 20    | 22   |       |     | 20                 | 23       |                     |       | 20    | 24 |    |
| NO. |  | ub(A)    | m <sup>[1]</sup>            | m                         | Q3 | Q4 | Q1  | Q2    | Q3   | Q4    | Q1  | Q2                 | Q3       | Q4                  | Q1    | Q2    | Q3 | Q4 |
| 1   | Site Clearance                           | 100      | 240                         | 240                       |    | 48 |     |       |      |       |     |                    |          |                     |       |       |    |    |
| 2   | Excavation and Lateral Support (ELS)     | 106      | 240                         | 240                       |    |    | 53  | 53    | 53   |       |     |                    |          |                     |       |       |    |    |
| 3   | Bulk Excavation                          | 101      | 240                         | 240                       |    |    |     | 49    | 49   | 49    |     |                    |          |                     |       |       |    |    |
| 4   | Steel Fixing and Concreting of Structure | 104      | 240                         | 240                       |    |    |     |       |      | 51    | 51  | 51                 | 51       | 51                  |       |       |    |    |
| 5   | Backfilling                              | 99       | 240                         | 240                       |    |    |     |       |      |       |     |                    | 46       |                     |       |       |    |    |
| 6   | E&M Installations & Pipeworks            | 96       | 240                         | 240                       |    |    |     |       |      |       |     |                    | 43       | 43                  | 43    | 43    |    |    |
| 7   | Finishing and Landscape Works            | 103      | 240                         | 240                       |    |    |     |       |      |       |     |                    |          | 50                  | 50    | 50    |    |    |
|     | Total SPL from the Prop                  | osed Pro | oject, L <sub>eq (30-</sub> | <sub>min)</sub> , dB(A):  | -  | 48 | 53  | 54    | 54   | 53    | 51  | 51                 | 53       | 54                  | 51    | 51    | -  | -  |
|     |  |          | Exceedance                  | e, dB(A) <sup>[3]</sup> : | -  | 0  | 0   | 0     | 0    | 0     | 0   | 0                  | 0        | 0                   | 0     | 0     | -  | -  |

Range, dB(A): 48 - 54

| Midd | e Assessment Level, mPD <sup>[4]</sup> : | 10.2     |                             |                           |    |    |     |       |       |        |      |                    |       |                     |      |         |    |    |
|------|--|----------|-----------------------------|---------------------------|----|----|-----|-------|-------|--------|------|--------------------|-------|---------------------|------|---------|----|----|
|      |  | 014/1    | Notional                    | Slant                     |    |    | Pre | dicte | ed No | oise I | Leve | I, L <sub>eq</sub> | (30-m | <sub>in)</sub> , dl | 3(A) | [2],[3] |    |    |
| ACT  | Main Construction Elements               | SWL,     | Distance,                   | Distance,                 | 20 | 21 |     | 20    | 22    |        |      | 20                 | 23    |                     |      | 20      | 24 |    |
| NO.  |  | ub(A)    | m <sup>[1]</sup>            | m                         | Q3 | Q4 | Q1  | Q2    | Q3    | Q4     | Q1   | Q2                 | Q3    | Q4                  | Q1   | Q2      | Q3 | Q4 |
| 1    | Site Clearance                           | 100      | 240                         | 240                       |    | 48 |     |       |       |        |      |                    |       |                     |      |         |    | 1  |
| 2    | Excavation and Lateral Support (ELS)     | 106      | 240                         | 240                       |    |    | 53  | 53    | 53    |        |      |                    |       |                     |      |         |    |    |
| 3    | Bulk Excavation                          | 101      | 240                         | 240                       |    |    |     | 49    | 49    | 49     |      |                    |       |                     |      |         |    |    |
| 4    | Steel Fixing and Concreting of Structure | 104      | 240                         | 240                       |    |    |     |       |       | 51     | 51   | 51                 | 51    | 51                  |      |         |    | 1  |
| 5    | Backfilling                              | 99       | 240                         | 240                       |    |    |     |       |       |        |      |                    | 46    |                     |      |         |    | 1  |
| 6    | E&M Installations & Pipeworks            | 96       | 240                         | 240                       |    |    |     |       |       |        |      |                    | 43    | 43                  | 43   | 43      |    | _  |
| 7    | Finishing and Landscape Works            | 103      | 240                         | 240                       |    |    |     |       |       |        |      |                    |       | 50                  | 50   | 50      |    | 1  |
|      | Total SPL from the Prop                  | osed Pro | oject, L <sub>eq (30-</sub> | <sub>min)</sub> , dB(A):  | -  | 48 | 53  | 54    | 54    | 53     | 51   | 51                 | 53    | 54                  | 51   | 51      | -  | -  |
|      |  |          | Exceedance                  | e, dB(A) <sup>[3]</sup> : | -  | 0  | 0   | 0     | 0     | 0      | 0    | 0                  | 0     | 0                   | 0    | 0       | -  | -  |

Range, dB(A): 48 - 54

| Highe | est Assessment Level, mPD <sup>[4]</sup> : | 13.2          |                            |                            |      |    |     |       |       |        |      |                    |        |                    |      |         |    |    |
|-------|--|---------------|----------------------------|----------------------------|------|----|-----|-------|-------|--------|------|--------------------|--------|--------------------|------|---------|----|----|
|       |  | 014/1         | Notional                   | Slant                      |      |    | Pre | dicte | ed No | oise l | Leve | I, L <sub>eq</sub> | (30-mi | <sub>n)</sub> , dE | 3(A) | [2],[3] |    |    |
| ACT   | Main Construction Elements                 | SWL,<br>dB(A) | Distance,                  | Distance,                  | 20   | 21 |     | 20    | 22    |        |      | 20                 | 23     |                    |      | 20      | 24 |    |
| 110.  |  |               | m <sup>[1]</sup>           | m                          | Q3   | Q4 | Q1  | Q2    | Q3    | Q4     | Q1   | Q2                 | Q3     | Q4                 | Q1   | Q2      | Q3 | Q4 |
| 1     | Site Clearance                             | 100           | 240                        | 240                        |      | 48 |     |       |       |        |      |                    |        |                    |      |         |    |    |
| 2     | Excavation and Lateral Support (ELS)       | 106           | 240                        | 240                        |      |    | 53  | 53    | 53    |        |      |                    |        |                    |      |         |    |    |
| 3     | Bulk Excavation                            | 101           | 240                        | 240                        |      |    |     | 49    | 49    | 49     |      |                    |        |                    |      |         |    |    |
| 4     | Steel Fixing and Concreting of Structure   | 104           | 240                        | 240                        |      |    |     |       |       | 51     | 51   | 51                 | 51     | 51                 |      |         |    |    |
| 5     | Backfilling                                | 99            | 240                        | 240                        |      |    |     |       |       |        |      |                    | 46     |                    |      |         |    |    |
| 6     | E&M Installations & Pipeworks              | 96            | 240                        | 240                        |      |    |     |       |       |        |      |                    | 43     | 43                 | 43   | 43      |    |    |
| 7     | Finishing and Landscape Works              | 103           | 240                        | 240                        |      |    |     |       |       |        |      |                    |        | 50                 | 50   | 50      |    |    |
|       | Total SPL from the Prop                    | osed Pro      | ject, L <sub>eq (30-</sub> | <sub>min)</sub> , dB(A):   | -    | 48 | 53  | 54    | 54    | 53     | 51   | 51                 | 53     | 54                 | 51   | 51      | -  | -  |
|       |  |               | Exceedance                 | ;e, dB(A) <sup>[3]</sup> : | -    | 0  | 0   | 0     | 0     | 0      | 0    | 0                  | 0      | 0                  | 0    | 0       | -  | -  |
|       |  |               | Rai                        | nge, dB(A):                | 48 - | 54 |     |       |       |        |      |                    |        |                    |      |         |    |    |

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]

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

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 storeys. The noise source is assumed at 5.5mPD. [4]