List of Figures

Figure 1.1 General Layout Plan
Figure 2.1.1 Proposed Alignment of SIL(E) (Sheet 1 of 5)
Figure 2.1.2 Proposed Alignment of SIL(E) (Sheet 2 of 5)
Figure 2.1.3 Proposed Alignment of SIL(E) (Sheet 3 of 5)
Figure 2.1.4 Proposed Alignment of SIL(E) (Sheet 4 of 5)
Figure 2.1.5 Proposed Alignment of SIL(E) (Sheet 5 of 5)
Figure 2.2 Two Possible Locations Evaluated for SOH Station
Figure 2.3 Section between Aberdeen Channel Crossing and Nam Fung Portal – Option on Viaduct and Deep Rock Tunnel
Figure 2.4 Typical Cross Section of Viaduct with Structural Frame
Figure 2.5 Envisaged Construction Methods for SIL(E)
Figure 2.6.1 Works Areas (Sheet 1 of 10)
Figure 2.6.2 Works Areas (Sheet 2 of 10)
Figure 2.6.3 Works Areas (Sheet 3 of 10)
Figure 2.6.4 Works Areas (Sheet 4 of 10)
Figure 2.6.5 Works Areas (Sheet 5 of 10)
Figure 2.6.6 Works Areas (Sheet 6 of 10)
Figure 2.6.7 Works Areas (Sheet 7 of 10)
Figure 2.6.8 Works Areas (Sheet 8 of 10)
Figure 2.6.9 Works Areas (Sheet 9 of 10)
Figure 2.6.10 Works Areas (Sheet 10 of 10)
Figure 2.6.11 Works Areas (Telegraph Bay Barging Point)
Figure 2.6.12 Works Areas (Chung Hom Shan Magazine Site)
Figure 2.7 Typical Layout of Crushing Facilities
Figure 3.1 Preferred Alignment and Assessment Area
Figure 3.2 The First Layer of Affected Noise Sensitive Uses (Sheet 1 of 9)
Figure 3.3 The First Layer of Affected Noise Sensitive Uses (Sheet 2 of 9)
Figure 3.4 The First Layer of Affected Noise Sensitive Uses (Sheet 3 of 9)
Figure 3.5 The First Layer of Affected Noise Sensitive Uses (Sheet 4 of 9)
Figure 3.6 The First Layer of Affected Noise Sensitive Uses (Sheet 5 of 9)
Figure 3.7 The First Layer of Affected Noise Sensitive Uses (Sheet 6 of 9)
Figure 3.8 The First Layer of Affected Noise Sensitive Uses (Sheet 7 of 9)
Figure 3.9 The First Layer of Affected Noise Sensitive Uses (Sheet 8 of 9)
Figure 3.10 The First Layer of Affected Noise Sensitive Uses (Sheet 9 of 9)
Figure 3.11 Representative Noise Sensitive Receivers (Sheet 1 of 9)
Figure 3.12 Representative Noise Sensitive Receivers (Sheet 2 of 9)
Figure 3.13 Representative Noise Sensitive Receivers (Sheet 3 of 9)
Figure 3.14 Representative Noise Sensitive Receivers (Sheet 4 of 9)
Figure 3.15 Representative Noise Sensitive Receivers (Sheet 5 of 9)
Figure 3.16 Representative Noise Sensitive Receivers (Sheet 6 of 9)
Figure 3.17 Representative Noise Sensitive Receivers (Sheet 7 of 9)
Figure 3.18 Representative Noise Sensitive Receivers (Sheet 8 of 9)
Figure 3.19 Representative Noise Sensitive Receivers (Sheet 9 of 9)
Figure 3.20 Representative Noise Sensitive Receivers – (Telegraph Bay Barging Point)
Figure 3.21 Representative Noise Sensitive Receivers – (Chung Hom Shan Magazine Site)
Figure 3.22a Schematic Configuration of Movable Noise Barrier
Figure 3.22b Schematic Configuration of Movable Noise Barrier for Slope Work
Figure 3.23 Schematic Configuration of Full Noise Enclosure for PME
Figure 3.24 Typical Cross Section of Viaduct with Structural Frame
Figure 3.25 Extent of Noise Mitigation Measures (Scenario for Existing NSRs)
Figure 3.26 Extent of Noise Mitigation Measures (Scenario for Existing NSRs)
Figure 3.27 Extent of Noise Mitigation Measures (Scenario for Existing NSRs)
Figure 3.28 Extent of Noise Mitigation Measures (Scenario for Existing and Planned NSRs)
Figure 3.29 Extent of Noise Mitigation Measures (Scenario for Existing and Planned NSRs)
Figure 3.30 Extent of Noise Mitigation Measures (Scenario for Existing and Planned NSRs)
Figure 3.31 Schematic Cross-section of Noise Barrier / Semi-enclosure (Sheet 1 of 3)
Figure 3.32 Schematic Cross-section of Noise Barrier / Semi-enclosure (Sheet 2 of 3)
Figure 3.33 Schematic Cross-section of Noise Barrier / Semi-enclosure (Sheet 3 of 3)
Figure 10.11 Location of Potential Dust Emission Sources in Nam Fung and Ocean Park (Tier 1)

Figure 10.12 Location of Potential Dust Emission Sources in Wong Chuk Hang (Tier 1)

Figure 10.13 Location of Potential Dust Emission Sources in Ap Lei Chau and Lei Tung (Tier 1)

Figure 10.14 Locations of Potential Dust Emission Sources in South Horizons (Tier 1)

Figure 10.15 Location of Potential Dust Emission Sources at Lee Nam Barging Point (Tier 1)

Figure 10.16 Location of Potential Dust Emission Sources at Chung Hom Shan Magazine Site and Telegraph Bay Barging Point (Tier 1)

Figure 10.17 Location of Potential Dust Emission Sources in Wong Chuk Hang (Tier 2 for ASR – WCH14)

Figure 10.18 Location of Potential Dust Emission Sources in Wong Chuk Hang (Tier 2 for ASR – WCH2)

Figure 10.19 Location of Potential Dust Emission Sources in Wong Chuk Hang (Tier 2 for ASR – WCH3, WCH16 and WCH17)

Figure 10.20 Location of Potential Dust Emission Sources in Wong Chuk Hang (Tier 2 for ASR – WCH5 and WCH18)

Figure 10.21 Location of Potential Dust Emission Sources in Wong Chuk Hang (Tier 2 for ASR – WCH6)

Figure 10.22 Cumulative Result - Contours of tier 1 hourly TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 77.4µg/m³, AQO = 500µg/m³) - Admiralty

Figure 10.23 Cumulative Result - Contours of tier 1 hourly TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 73.2µg/m³, AQO = 500µg/m³) - Nam Fung Portal and Ocean Park

Figure 10.24 Cumulative Result - Contours of tier 1 hourly TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 73.2µg/m³, AQO = 500µg/m³) - Wong Chuk Hang

Figure 10.25 Cumulative Result - Contours of tier 1 hourly TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 73.2µg/m³, AQO = 500µg/m³) - Wong Chuk Hang for ASR – WCH14

Figure 10.26 Cumulative Result - Contours of tier 1 hourly TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 73.2µg/m³, AQO = 500µg/m³) - Lei Tung

Figure 10.27 Cumulative Result - Contours of tier 1 hourly TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 73.2µg/m³, AQO = 500µg/m³) - South Horizons and Lee Nam Barming Point

Figure 10.28 Cumulative Result - Contours of tier 1 hourly TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 73.2µg/m³, AQO = 500µg/m³) - Telegraph Bay

Figure 10.29 Cumulative Result - Contours of tier 2 hourly TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 73.2µg/m³, AQO = 500µg/m³) - Wong Chuk Hang for ASR – WCH14

Figure 10.30 Cumulative Result - Contours of tier 2 hourly TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 73.2µg/m³, AQO = 500µg/m³) - Wong Chuk Hang for ASR – WCH2

Figure 10.31 Cumulative Result - Contours of tier 2 hourly TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 73.2µg/m³, AQO = 500µg/m³) - Wong Chuk Hang for ASR – WCH3, WCH16 & WCH17

Figure 10.32 Cumulative Result - Contours of tier 2 hourly TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 73.2µg/m³, AQO = 500µg/m³) - Wong Chuk Hang for ASR – WCH5 & WCH18

Figure 10.33 Cumulative Result - Contours of tier 2 hourly TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 73.2µg/m³, AQO = 500µg/m³) - WCH1

Figure 10.34 Cumulative Result - Contours of tier 1 daily TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 77.4µg/m³, AQO = 260µg/m³) - Admiralty

Figure 10.35 Cumulative Result - Contours of tier 1 daily TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 73.2µg/m³, AQO = 260µg/m³) – Nam Fung Portal and Ocean Park

Figure 10.36 Cumulative Result - Contours of tier 1 daily TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 73.2µg/m³, AQO = 260µg/m³) – Wong Chuk Hang

Figure 10.37 Cumulative Result - Contours of tier 1 daily TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 73.2µg/m³, AQO = 260µg/m³) – Lei Tung

Figure 10.38 Cumulative Result - Contours of tier 1 daily TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 73.2µg/m³, AQO = 260µg/m³) – South Horizons and Lee Nam Barming Point

Figure 10.39 Cumulative Result - Contours of tier 1 daily TSP Concentration (µg/m³) at 1.5m above ground (Include Background Concentration = 73.2µg/m³, AQO = 260µg/m³) - Telegraph Bay

Figure 10.40 Cumulative Result - Contours of tier 1 daily TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 73.2µg/m³, AQO = 260µg/m³) – Chung Hom Shan

Figure 10.41 Not used

Figure 10.42 Not used

Figure 10.43 Cumulative Result - Contours of tier 2 daily TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 73.2µg/m³, AQO = 260µg/m³) - Wong Chuk Hang for ASR – WCH3

Figure 10.44 Not used

Figure 10.45 Cumulative Result - Contours of tier 2 daily TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 73.2µg/m³, AQO = 260µg/m³) - Wong Chuk Hang for ASR – WCH6

Figure 10.46 Cumulative Result - Contours of annual TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 77.4µg/m³, AQO = 500µg/m³) - Admiralty

Figure 10.47 Cumulative Result - Contours of annual TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 73.2µg/m³, AQO = 80µg/m³) – Nam Fung Portal and Ocean Park

Figure 10.48 Cumulative Result - Contours of annual TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 73.2µg/m³, AQO = 80µg/m³) - Wong Chuk Hang

Figure 10.49 Cumulative Result - Contours of annual TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 73.2µg/m³, AQO = 80µg/m³) - Lei Tung

Figure 10.50 Cumulative Result - Contours of tier 1 annual TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 73.2µg/m³, AQO = 80µg/m³) – South Horizons and Lee Nam Barming Point

Figure 10.51 Cumulative Result - Contours of annual TSP Concentration (µg/m³) at 1.5m above ground (Include Background Concentration = 73.2µg/m³, AQO = 80µg/m³) - Telegraph Bay

Figure 10.52 Cumulative Result - Contours of annual TSP Concentration (µg/m³) at 1.5m above ground during Construction Phase (Include Background Concentration = 73.2µg/m³, AQO = 80µg/m³) – Chung Hom Shan

Figure 11.3 Geological map for the proposed alignment on Ap Lei Chau

Figure 11.4 Historical map for project study area at Admiralty (1856)

Figure 11.5 Historical map for project study area at Admiralty (1936-46)

Figure 11.6 Historical map of Wong Chuk Hang Area (1895)

Figure 11.7 Aerial photograph of the Wong Chuk Hang Area (1949)
Figure 11.8 Map showing the area of previously identified archaeological potential near Wong Chuk Hang San Wai
Figure 11.9 Map showing the area of previously identified archaeological potential near Ocean Park
Figure 11.10 Map from 1880 showing the location of the Explosive Magazine and Flagstaff House (Head Quarter House on the Map), the Montgomery, Wavell and Roberts Blocks have yet to be constructed
Figure 11.11 1930-45 Map showing the locations of the graded historic buildings and declared monuments at Admiralty in their historical setting
Figure 11.12 1845 Map showing the location of the historical settlement known as Little Hong Kong
Figure 11.13 Graded historic building and built heritage resource around Ap Lei Chau
Figure 11.14.1 Graded historic building and Declared Monument around Admiralty
Figure 11.14.2 Proposed Graded Buildings along Nam Fung Tunnel
Figure 11.15 Graded historic building and built heritage resource around Wong Chuk Hang
Figure 11.16 Graded historic building and Declared Monument around Wong Chuk Hang
Figure 11.17 Location of the previously recorded resources in Wong Chuk Hang San Wai
Figure 11.18 Map in 1936-46 overlaying map in 1880 of Admiralty
Figure 11.19 Approximate locations of original shoreline and former Military Structures Marked on the Alignment Map of Admiralty
Figure 11.20 Location of Archaeological Investigation carried out in 2001 for the LPG Filling Station Project
Figure 11.21 Assessment of archaeological potential – Admiralty
Figure 11.22 Assessment of archaeological potential – Admiralty
Figure 11.23 Assessment of archaeological potential – Admiralty
Figure 11.24 Assessment of archaeological potential – Nam Fung Tunnel
Figure 11.25 Assessment of archaeological potential – Nam Fung Tunnel
Figure 11.26 Assessment of archaeological potential – Nam Fung Tunnel
Figure 11.27 Assessment of archaeological potential – Nam Fung Tunnel
Figure 11.28 Assessment of archaeological potential – Nam Fung Portal
Figure 11.29 Assessment of archaeological potential – Ocean Park
Figure 11.30 Assessment of archaeological potential – Wong Chuk Hang
Figure 11.31 Assessment of archaeological potential – Ap Lei Chau
Figure 11.32 Assessment of archaeological potential – Ap Lei Chau
Figure 11.33 Assessment of archaeological potential – Ap Lei Chau
Figure 11.34 Assessment of archaeological potential – Ap Lei Chau
Figure 11.35 Plan showing the area proposed for watching brief at Wong Chuk Hang (pier locations)
Figure 11.36 1957 map showing the general area at Admiralty
Figure 11.37 1963 map showing the general area at Admiralty
Figure 11.38 1977 map showing the general area at Admiralty
Figure 11.39 1986 map showing the Harcourt Garden Site at Admiralty
Figure 11.40 Underground section of the proposed cut-and-cover station box at Harcourt Garden
Figure 11.41 Plan showing Wellington Battery, Military Hospital and works alignments overlain on modern topographical map