Table A Estimated volume of land-based marine sediment to be generated

Sampling Grid	Proposed 1.2m Diameter Bored Pile		Proposed 1.5m Diameter Bored Pile		Proposed Piling Depth (mbgl)	Estimated Thickness of Marine Sediment to be Mucked Out (m)	Estimated In-situ Volume of Marine Sediment to be Mucked Out (m^3)	Proposed Disposal Arrangement
	Nos.	Area (m^2)	Nos.	Area (m^2)				
Grid represented by NEX1079-TCE-EDH109	9	~1.1 [1]	8	~1.8 [2]	~38	~5.6 [3]	~140 [4]	Reuse on-site as far as possible, subject to availability of suitable location and review on the backfilling method. Type 1 – Open Sea Disposal would be considered as the last resort upon exhaustion of reuse options.

Note:

[1] It is estimated by *Nos. of Proposed 1.2m Diameter Bored Pile* x *area of each pile* which is calculated by (π x $(1.2/2)^2$) m^2.

[2] It is estimated by *Nos. of Proposed 1.5m Diameter Bored Pile* x *area of each pile* which is calculated by (π x $(1.5/2)^2$) m^2.

[3] Since marine sediment was encountered at the depth from 9.20mbgl to 14.80mbgl, and the proposed piling depth is approximately 38mbgl, the thickness of marine sediment to be mucked out is estimated by (14.80 – 9.20) m.

[4] It is estimated by (*Proposed 1.2m Diameter Bored Pile Area + Proposed 1.5m Diameter Bored Pile Area*) x *Estimated Thickness of Marine Sediment to be Mucked Out*.