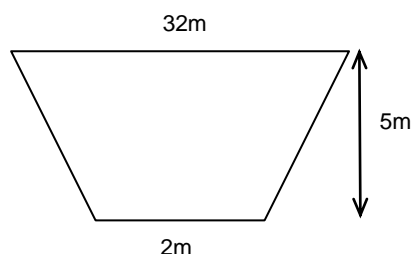


Appendix 10.3 Estimated Quantity of Excavated Sediment from Cable Field Joint Area

According to the Engineering Design Consultant, the extent of the excavation at the proposed field joint area would be approximately 120m in length, 32m in width and 5m in depth. The cross-section of trench for excavated sediment should be a trapezoid, as shown in **Figure A**.

Figure A: Cross-section of Trench under Option C1



With the length of 120m, the estimated quantity of excavated sediment in m³ would be

$$\approx \left[\frac{(32m + 2m) \times 5m}{2} \right] \times 120m$$

Therefore, it is estimated that about 10,200m³ of sediment would be excavated from the field joint area during diversion of the existing 11kV submarine cable.