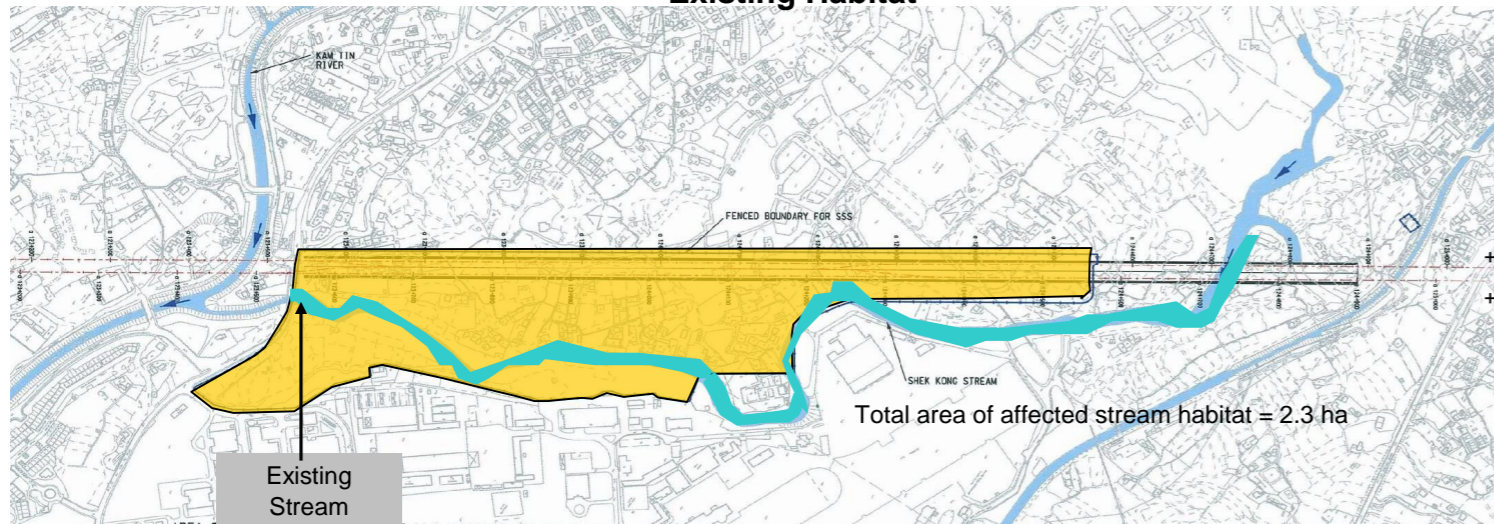
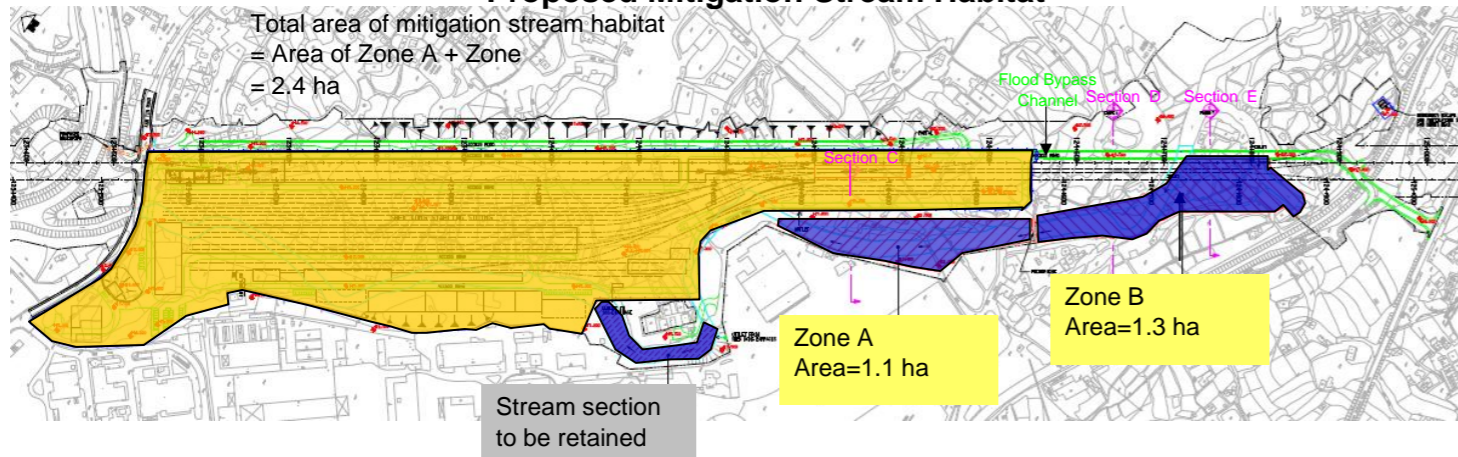


SSS Channel Design Providing Mitigation Stream Habitats

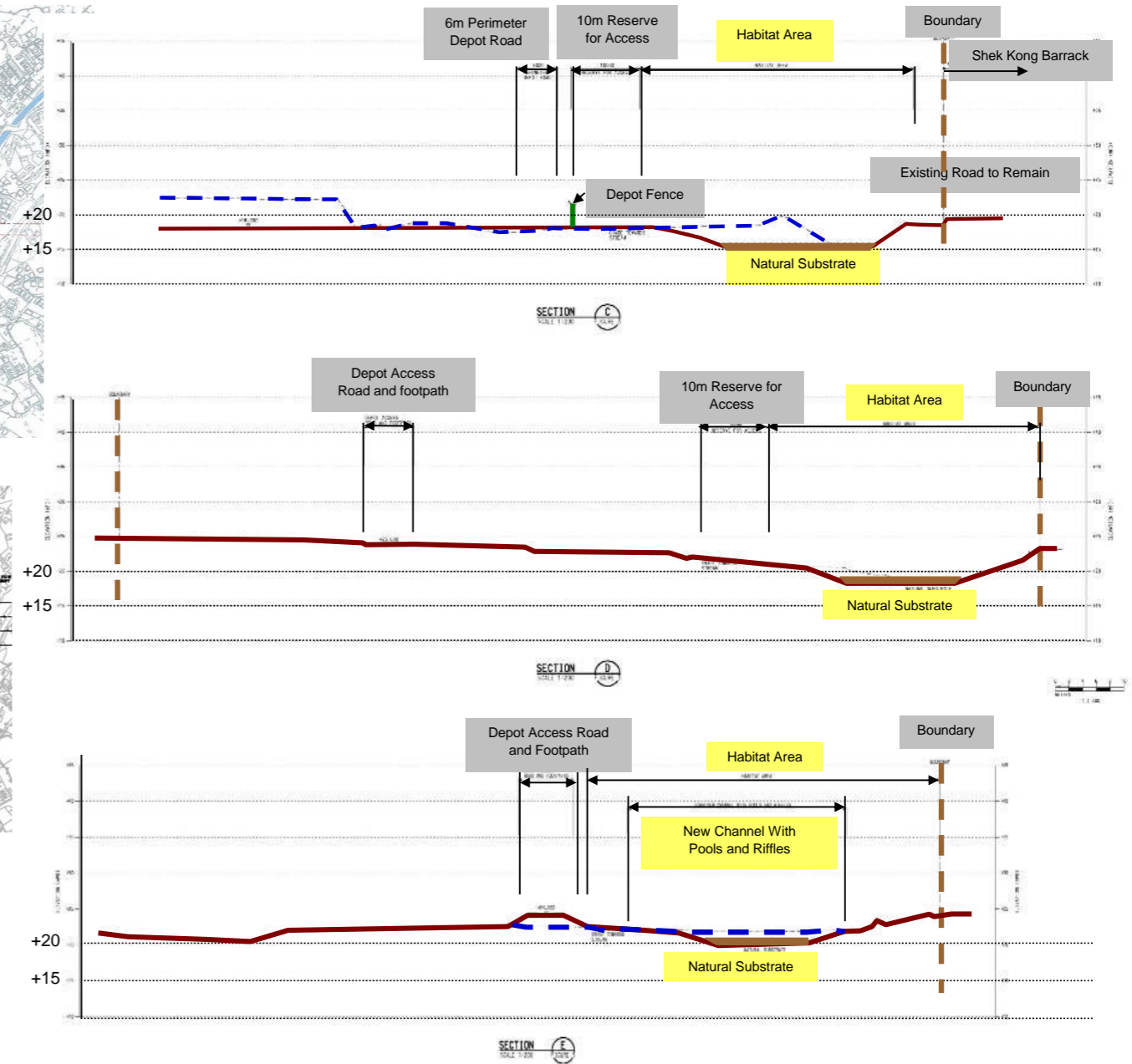
Existing Habitat



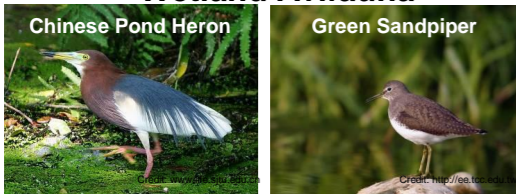
Proposed Mitigation Stream Habitat



Sections Across Habitat Areas



Wetland Avifauna



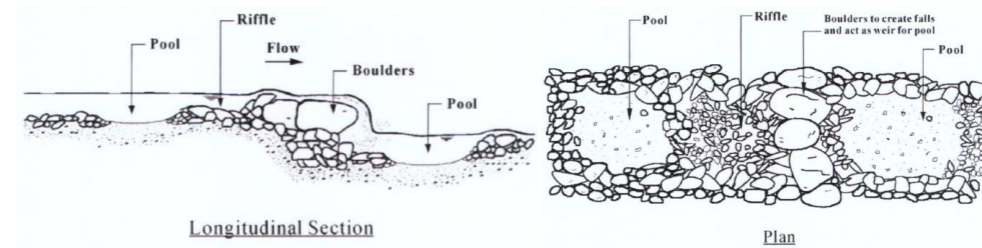
Principle:

1. Mitigation habitat should be provided on a "like for like" basis in terms of area and function

Key Elements:

1. Placing the cobbles back to stream as substrata of the channel bed
2. Shallow water for wetland avifauna
3. Widened stream section to create more wetland area

In-stream Features



1. Reconstruction of instream habitats: e.g. pools and riffles provide habitats with structural heterogeneity for aquatic communities
2. The substrate (e.g. boulders, pebbles) from impacted stream sections could be used for construction of widened channels