

## **FWExercise Part 2 – Test Booklet**

### **Assignments**

#### **Task 1: Sustainability and liveability – Wangjing Huayandongqu Community**

Using the materials in the resource booklet as well as your observations yesterday, design a sustainable residential development for the empty plot of land next to the Wangjing Huayandongqu Community,

- i) represent your proposed development using annotated sketches/ maps;
- ii) explain how your proposed development will enhance the sustainability and liveability of the area and for the local community in 400 words or less.

#### **Task 2: Water management – Beixiaohe River**

Based on your observations of the Beixiaohe River yesterday, the changes you might make to the canal to:

- i) improve water retention during the dry seasons;
- ii) enhance the liveability of the area for the local community.

Annotate your suggestions on the sketch map provided (Fig. 1).  
No additional text or writing is permitted beyond the annotated sketch.

#### **Task 3: Traffic junction and subway station**

With reference to the resource materials on the Transit Elevated Bus provided, and based on your field observations yesterday:

- i) analyse the strengths and weaknesses of the proposed Transit Elevated Bus system in addressing sustainability and liveability issues observed in Wangjing in 400 words or less.

### **Notes for the Local FWE-team:**

The following resources must be provided in the Resource Booklet for the problem solving test:

1. General information about Wanjing district - residential population, landuse, energy use, water consumption, transport systems and routes, sustainable community features etc.
2. A clear well-labelled map showing the neighbourhood around Huayandongqu Community and the empty plot of land next to it. The North arrow as well as scale of the map needs to be clear to aid students in developing their answers.
3. A clear well-labelled map showing the landuse of the neighbourhood around the the Beixiaohe River, the north arrow as well as scale of the map needs to be clear to aid students in developing their answers.
4. Information about the Elevated Transit Bus system.

The following resources must be provided for students to complete their tasks:

- Sketch map (Fig. 1) of the Beixiaohe River?Canal for annotation.