

Annex 2 Drainage Assessment

2. Existing Situation

A. Site particulars

- 2.1.1 The subject site possesses an area of about 290m².
- 2.1.2 The site is vacant at the moment. A good number of village houses are found to the east and west of the application site.
- 2.1.3 It is proposed to fill the application site with concrete ranging from 0.06m to 0.79m.

B. Level and gradient of the subject site & proposed surface channel

- 2.1.4 In order to follow the topography of the subject site, the proposed surface U-channel will be constructed following the gradient of the site. As demonstrated in the calculation in succeeding paragraphs, 225mm surface U-channel will be capable to drain surface runoff accrued at the subject site and the said passing through the site from adjacent area.

C. Catchment area of the proposed drainage provision at the subject site

- 2.1.5 The level of the site is basically lower than the adjacent land to the east because a wall is found to the east of the site before the proposed filling work. No external catchment is found after the proposed site filling.

D. Particulars of the existing drainage facilities to accept the surface runoff collected at the application site

- 2.1.6 According to recent site inspection and the 1:1000 map, there is a public catchpit to the northwest of the application site (**Figure 2**).