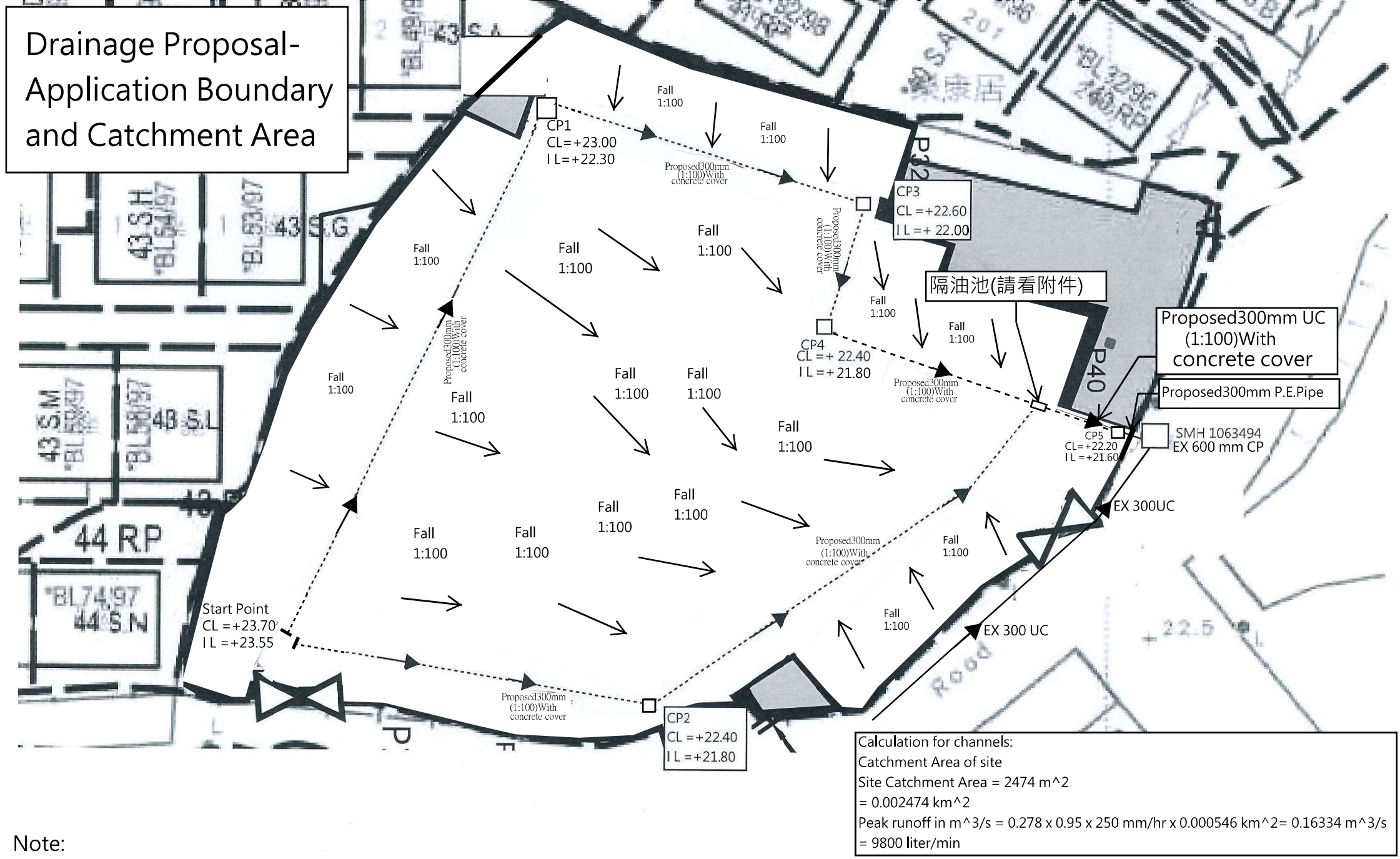
Drainage Proposal- Application Boundary and Catchment Area



Calculation for channels:
Catchment Area of site
Site Catchment Area = 2474 m^2
= 0.002474 km^2
Peak runoff in m^3/s = 0.278 x 0.95 x 250 mm/hr x 0.000546 km^2= 0.16334 m^3/s
= 9800 liter/min

Note:

1. Catchpit (CP1-CP5) with desilting facility shall follow CEDD's standard drawing No. C2406I.
2. Catchpit and UC follows Typical Details of Geotechnical Manual for Slope Fig.8.10 and Fig.8.11 respectively.
3. The inverted level of the connection point shall be verified on site prior the commencement of work
4.Grating Concrete Cover follows CEDD's standard drawing No. C2412E: U-CHANNELS WITH PRECAST CONCRETE SLABS