雨水排放建議圖
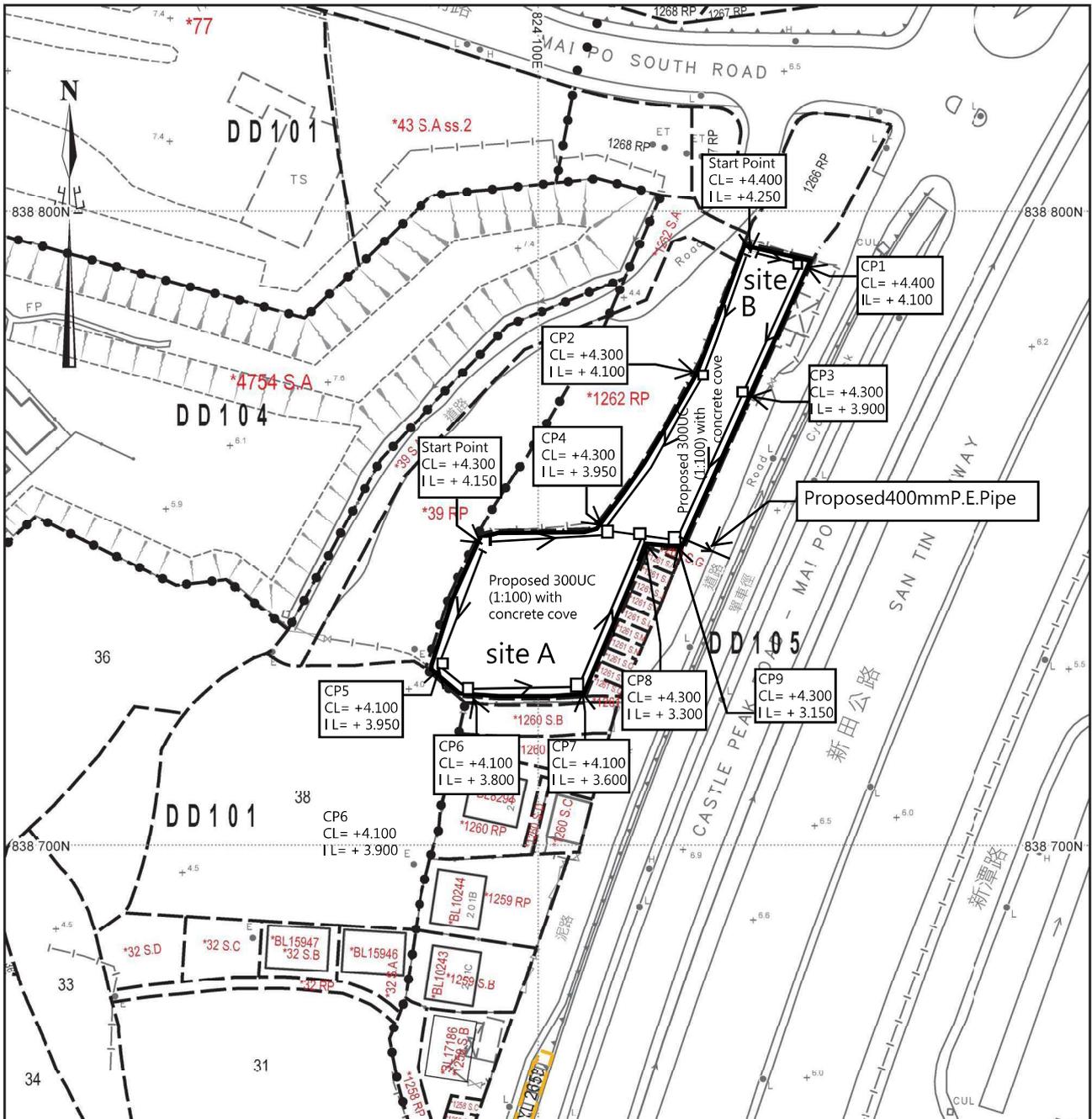

Calculation for channels:
Catchment Area of site A
Site Catchment Area = 1324m^2
= 0.001324 km^2
Peak runoff in m^3/s = 0.278 x 0.95 x 240 mm/hr x 0.001324 km^2= 0.08392m^3/s
= 5245 liter/min

Catchment Area of site B
Site Catchment Area = 2091m^2
= 0.002091 km^2
Peak runoff in m^3/s = 0.278 x 0.95 x 240 mm/hr x 0.002091 km^2= 0.13253m^3/s
= 8283 liter/min

Peak runoff in liter/min of A+B = 13528 liter/min
For gradient 1:100, 300UC will be suitable for A
For gradient 1:100, 300UC will be suitable for B

Note:
1. Catchpit (CP9) with desilting facility shall follow CEDD's standard drawing No. C2406/1. C2406/2A
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