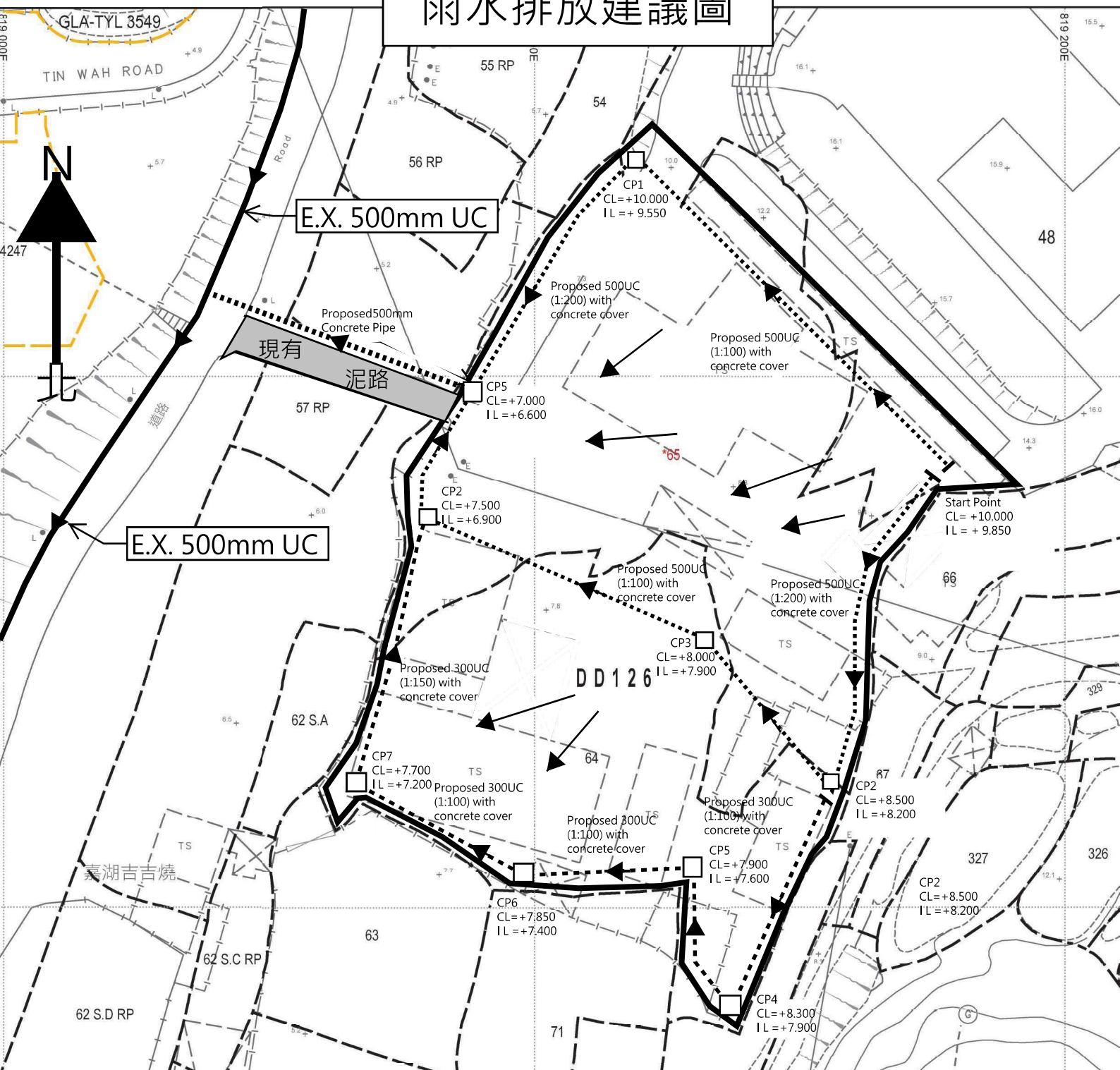


雨水排放建議圖



Calculation for channels:

Catchment Area of site A

Site Catchment Area = $6759 \text{ m}^2 = 0.006759 \text{ km}^2$

Peak runoff in $\text{m}^3/\text{s} = 0.278 \times 0.95 \times 240 \text{ mm/hr} \times 0.006759 \text{ km}^2 = 0.42841 \text{ m}^3/\text{s}$
 = 26776 liter/min

Catchment Area of site B

Site Catchment Area = $4751 \text{ m}^2 = 0.004751 \text{ km}^2$

Peak runoff in $\text{m}^3/\text{s} = 0.278 \times 0.95 \times 240 \text{ mm/hr} \times 0.004751 \text{ km}^2 = 0.30113 \text{ m}^3/\text{s}$
 = 18821 liter/min

Peak runoff in liter/min of A+B = 45597 liter/min

Note:

1. Catchpit (CP5) with desilting facility shall follow CEDD's standard drawing No. C2406/I.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