

東勢林場解說牌 Dongshih Forest Garden Explanation Board

水保設施 消能設施 Soil and Water Conservation facilities: Plant roots system

Note: English on sign says "Plant roots system", but standard engineering term is "Energy dissipation facilities"

**【內文 Content】**

定義：溝渠坡度過陡，水流速度超過限制流速，則易侵蝕溝底，為減緩流速，消除能量，於適當地點建造控制落差之構造物。

Definition: The slope of the ditch is too steep, and the water flow speed exceeds the limit flow rate, which is easy to erode the bottom of the trench. In order to slow down the flow rate and eliminate energy, structures to control the drop are constructed at appropriate locations.

目的：減緩溝渠中水流流速及動能，以減少對渠底之侵蝕並約束流向。

Purpose: Slow down the flow velocity and kinetic energy of the water in the trench to reduce erosion of the bottom of the channel and restrict the flow direction.