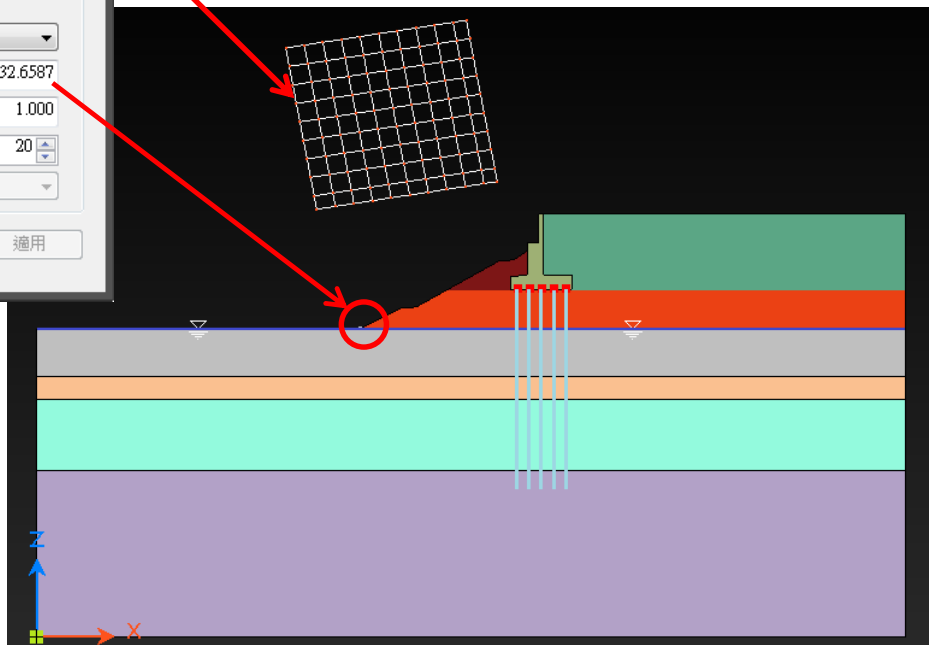
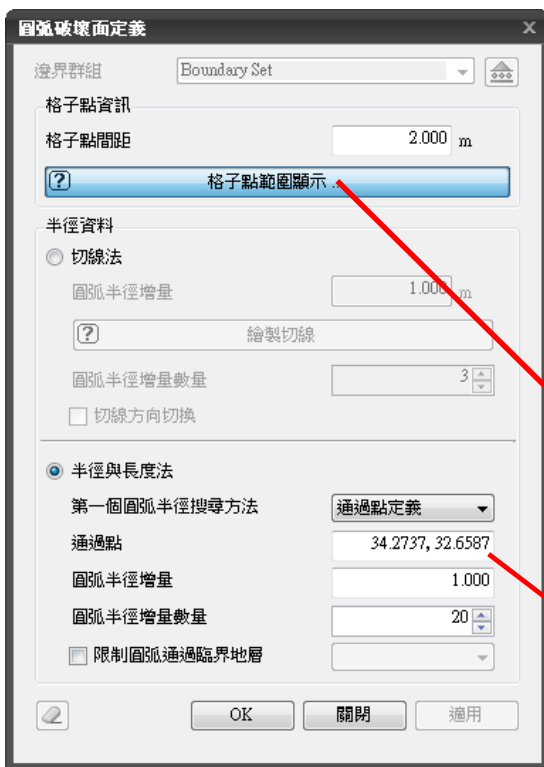




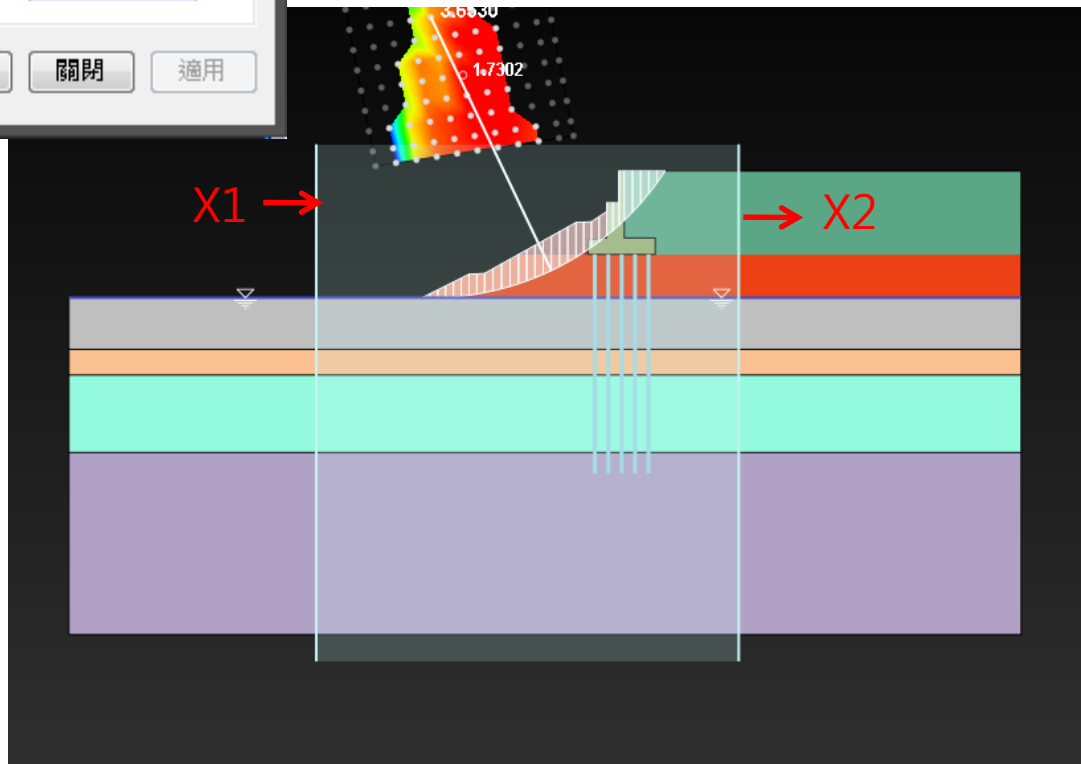
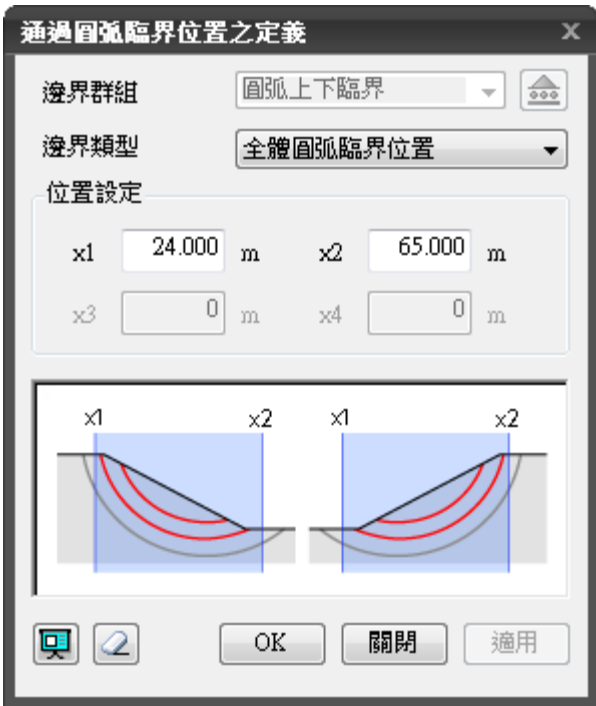
極限平衡法限制圓弧形發展破壞面搜尋方式彙整



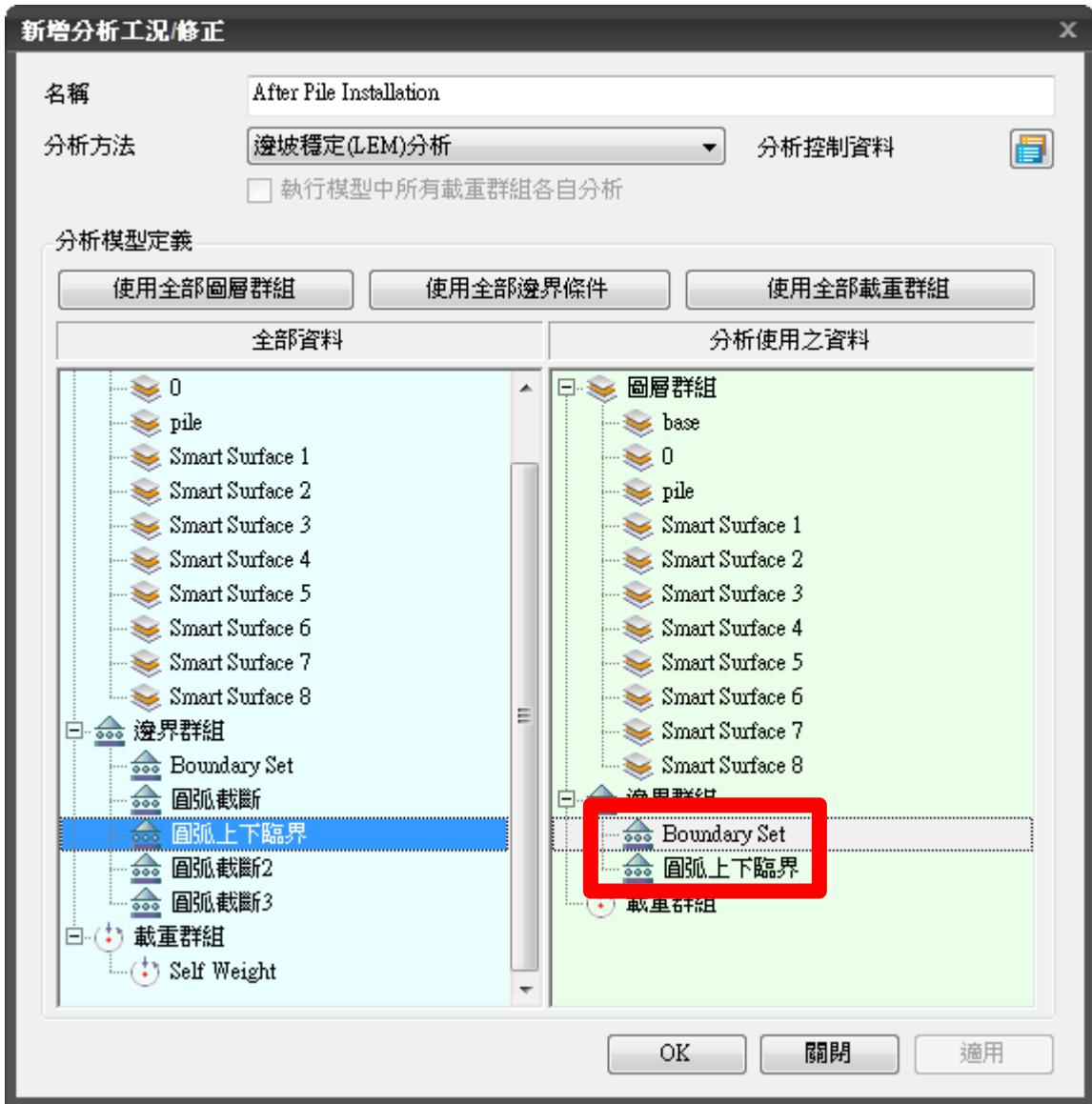
midas SoilWorks提供一般圓弧破壞面之搜尋方式，可輸入搜尋網格中心點、切線、增量等方式。



搭配圓弧破壞面之搜尋方式，可考慮坡頂、坡址範圍來進行”通過圓弧臨界位置”搜尋

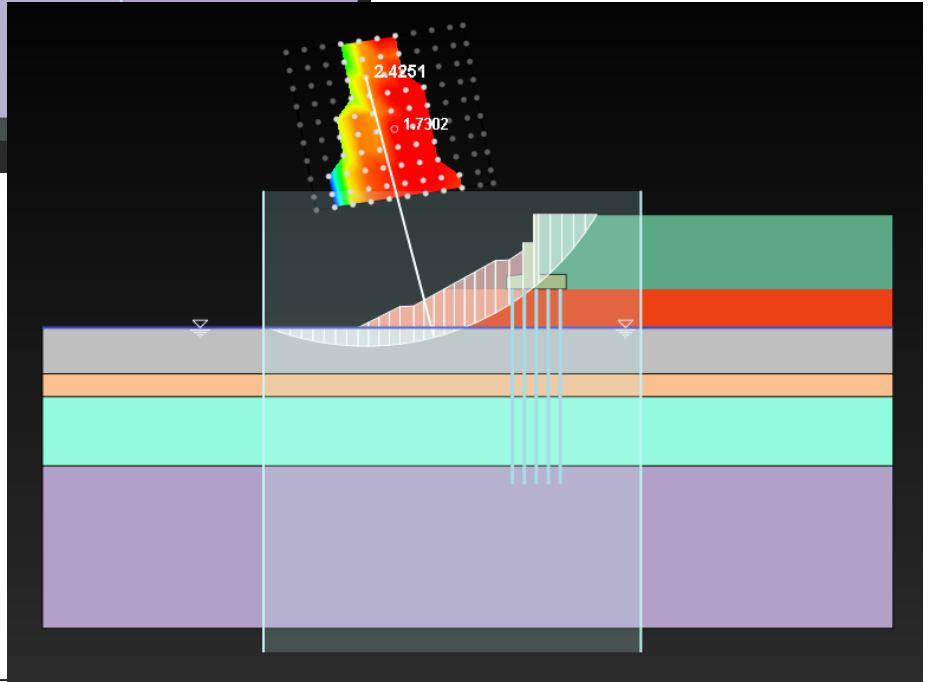
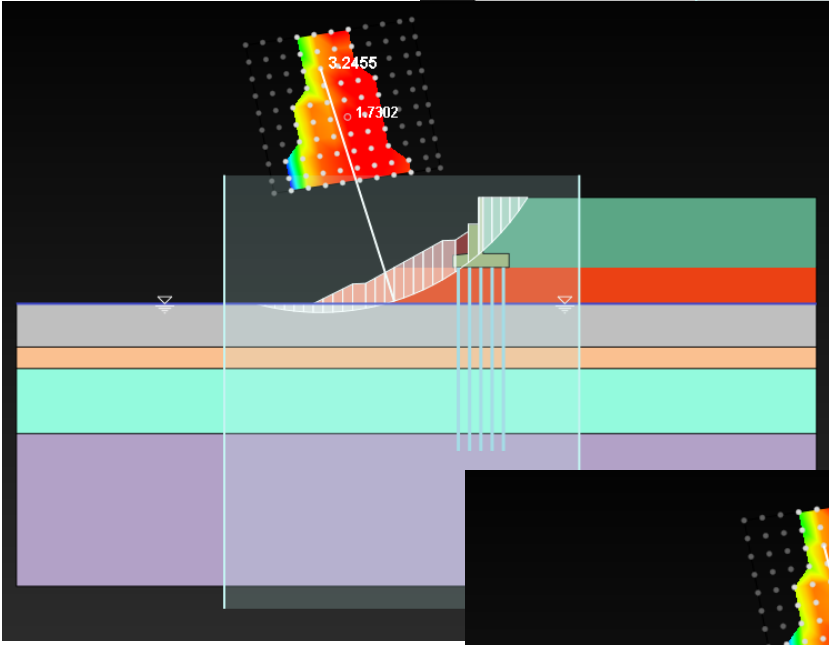
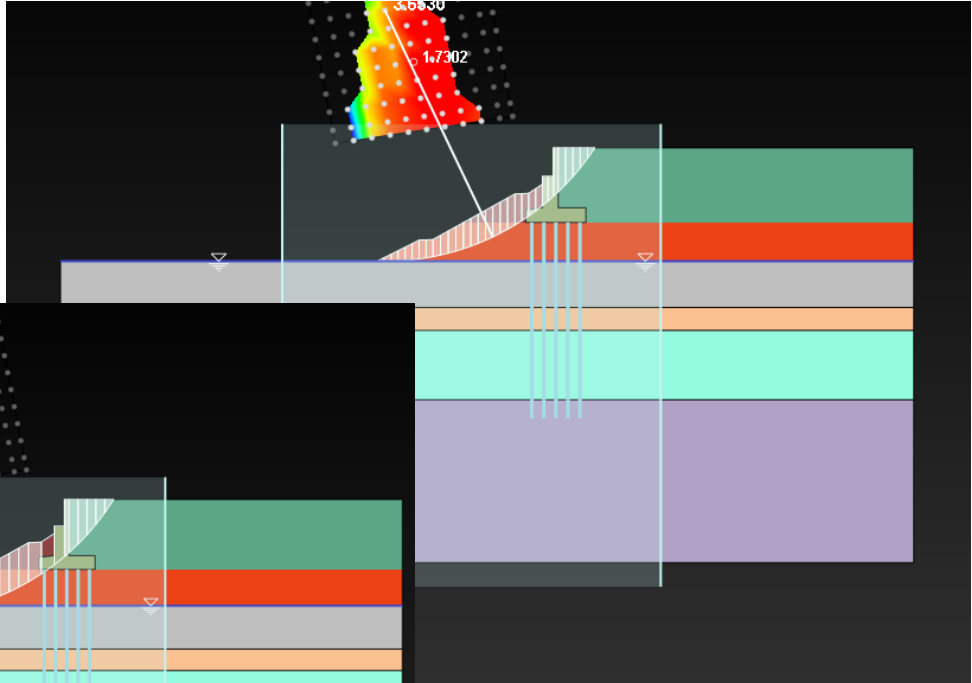


邊界條件Boundary Set為一般圓弧破壞面搜尋，加上圓弧上下臨界，則可篩選上下邊坡再設定之範圍。

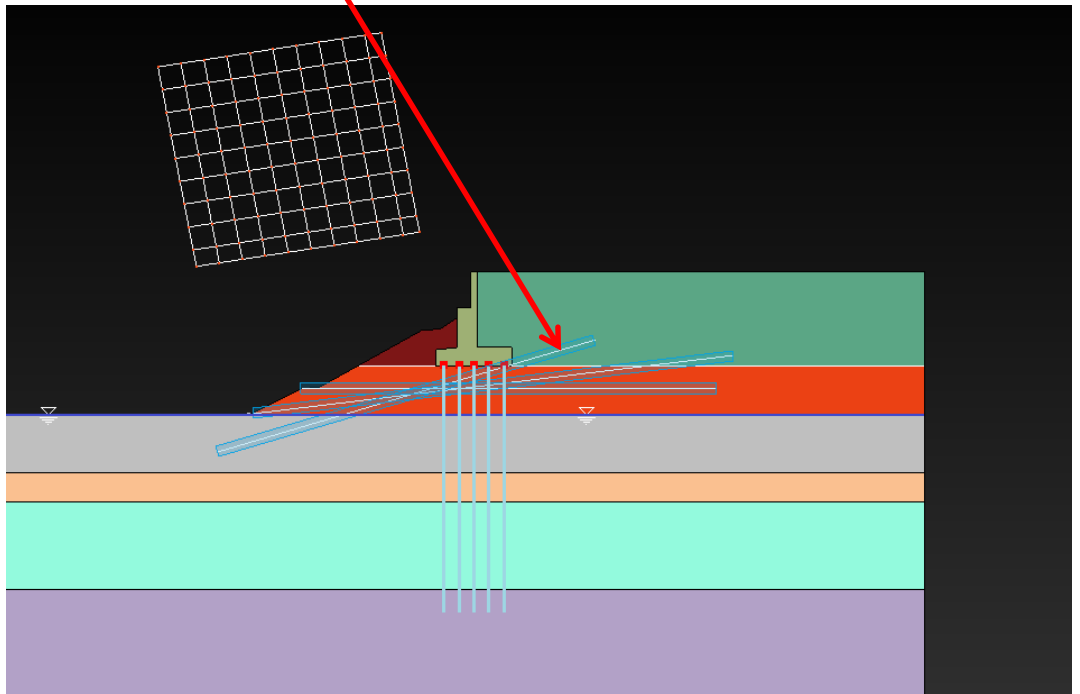
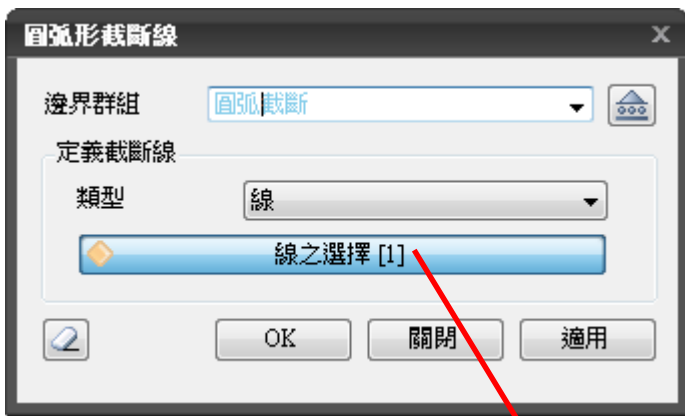


篩選過後之結果，破壞圓弧皆在設定之上下邊坡範圍內。

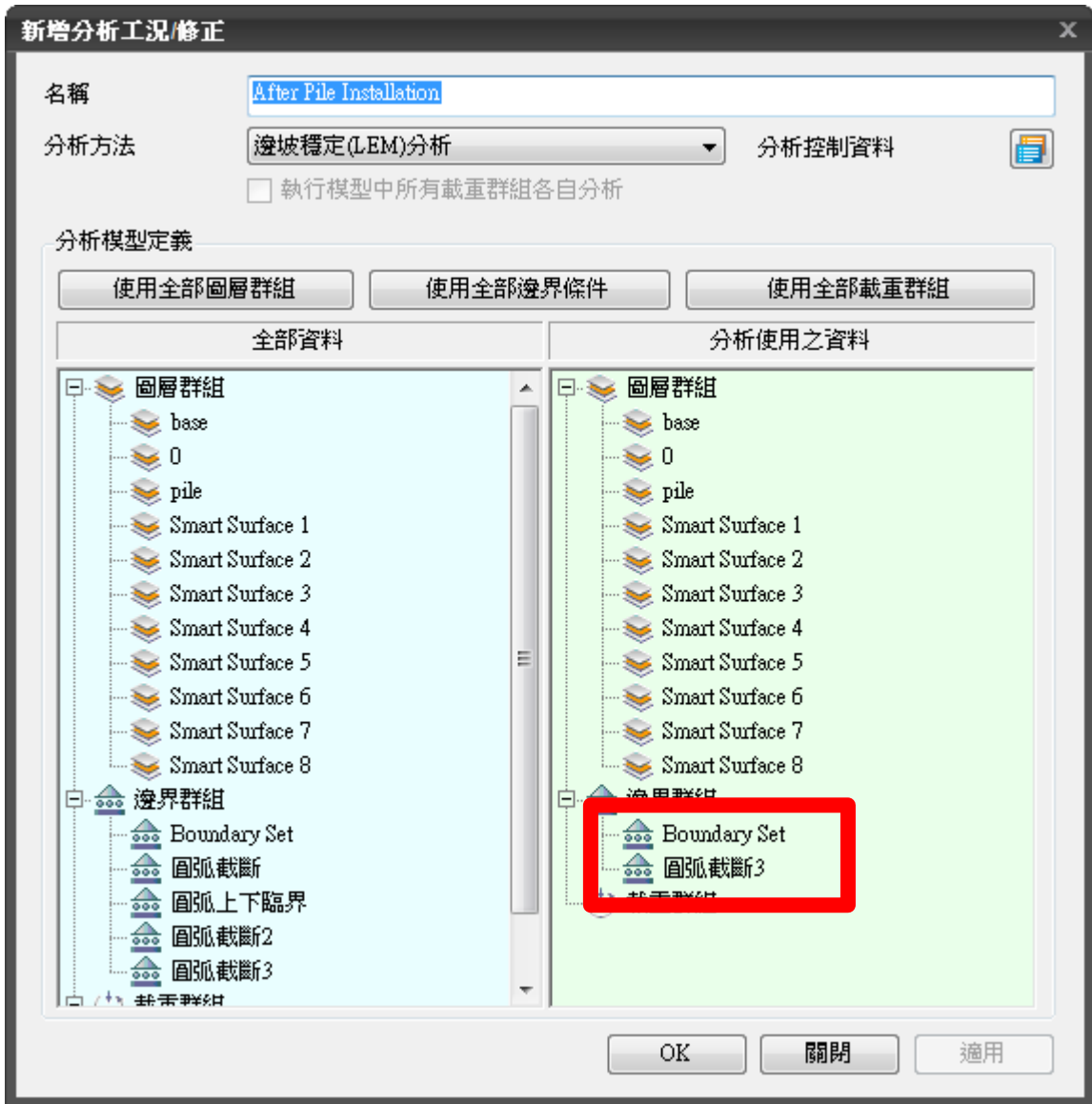
- 9 - [安全係數:3.0202] [X:33.13, Z:59.51, 半徑:27.88]
- 10 - [安全係數:2.4251] [X:35.13, Z:59.82, 半徑:29.17]
- 1 - [安全係數:3.6530] [半徑:27.17]**
- 2 - [安全係數:3.2455] [半徑:28.17]
- 3 - [安全係數:2.4251] [半徑:29.17]
- 11 - [安全係數:2.1686] [X:37.11, Z:60.12, 半徑:29.61]
- 12 - [安全係數:1.7927] [X:39.08, Z:60.42, 半徑:30.18]
- 13 - [安全係數:3.2629] [X:33.53, Z:57.55, 半徑:25.9]



搭配截斷線之搜尋方式，可將圓弧通過的截斷線以下的部分截斷。



邊界條件Boundary Set為一般圓弧破壞面搜尋，加上圓弧截斷，則可篩選圓弧截斷位置，可應用到弱面位置，土岩界面滑動之搜尋。



分析結果皆為通過截斷線與前後圓弧段之複合幾何型態滑動面。

