

Middleton Lower Quarry

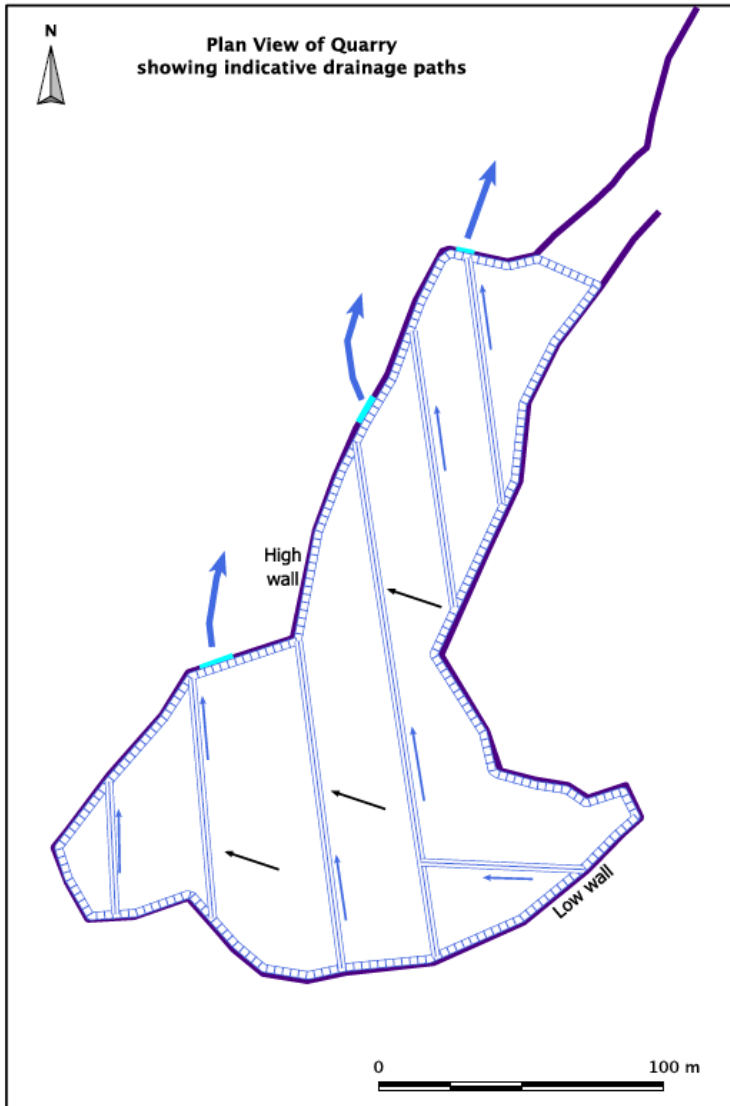
Points to consider:

- Separation between groundwater and waste infill
- Drainage design
 - Groundwater
 - Surface water within landfill
- High wall safety
- Bats

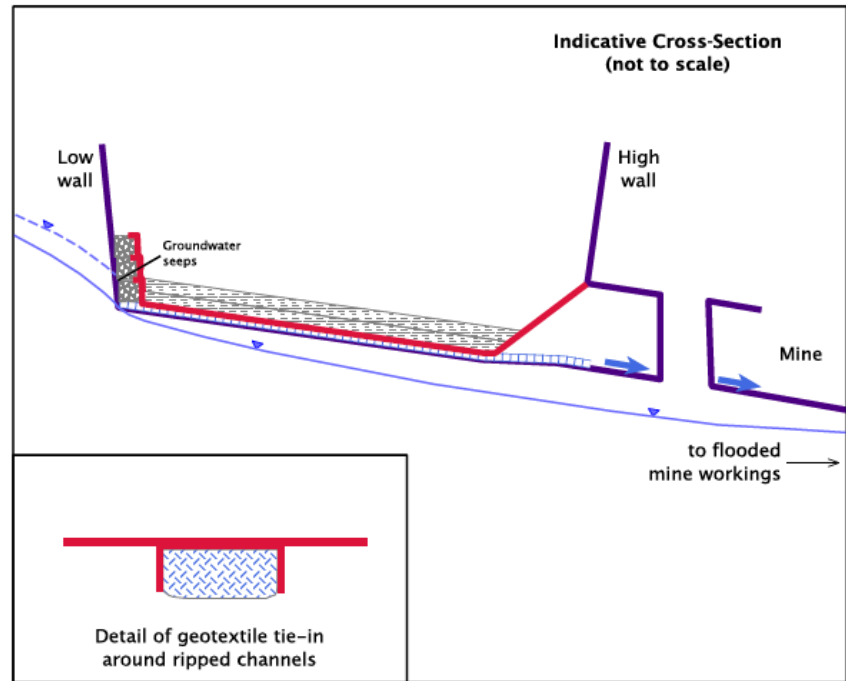
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Design Elements:

- Access into the site
- Phasing of the infill process
- Quarry face stability
- Drainage design and monitoring
- Retention of access for bats



Middleton Quarry: Indicative Drainage Plan for Lower Quarry Infill



LEGEND		
Quarry - edge of void	Collection drain	Approximate dip of quarry floor
Geotextile layer	Ripped drain	Water table - normal conditions
Ripped channel	Flow direction	Water table - high conditions
Gabion	Underground drainage	
Low permeability fill	Mine entrances	

26/01/2015



Bat Access