

# **Water reservoir for snow covering**

(Tatranská Lomnica – High Tatras)

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***Geotechnical excursion, 19.-21.04.2012***

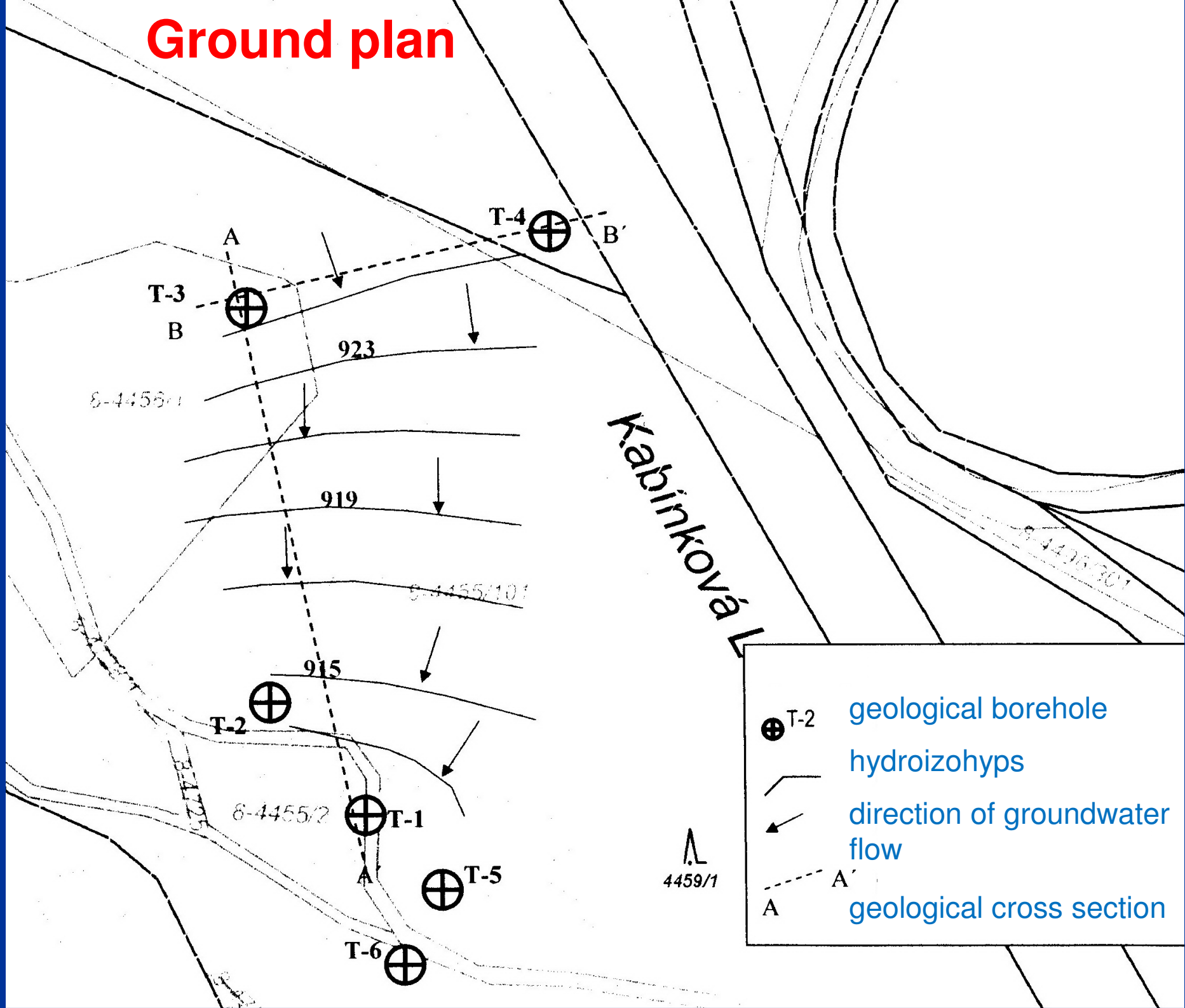






**Laying of plastic sealing (north-east facing dam)**



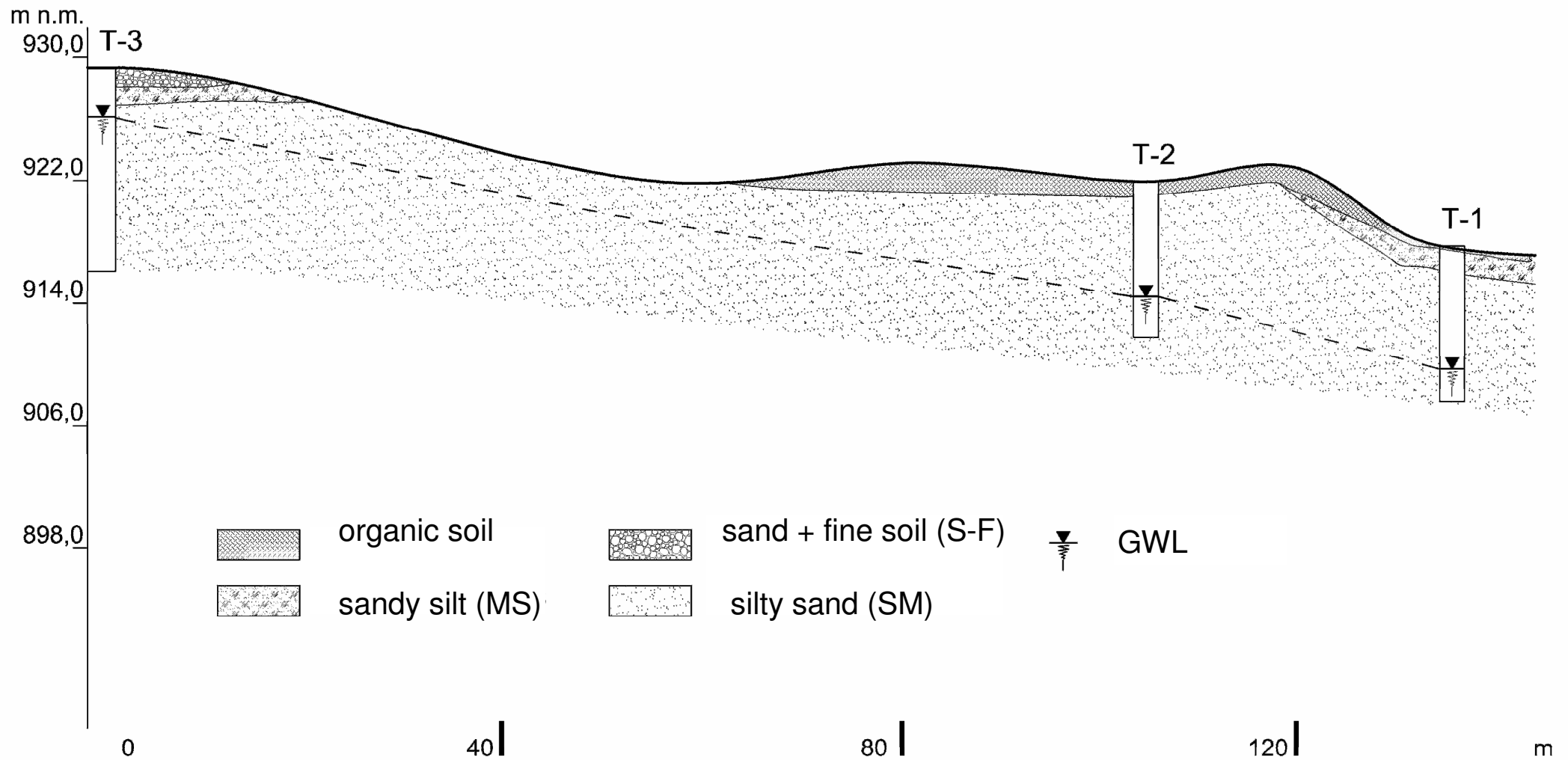
**Laying of plastic sealing (south facing dam)**

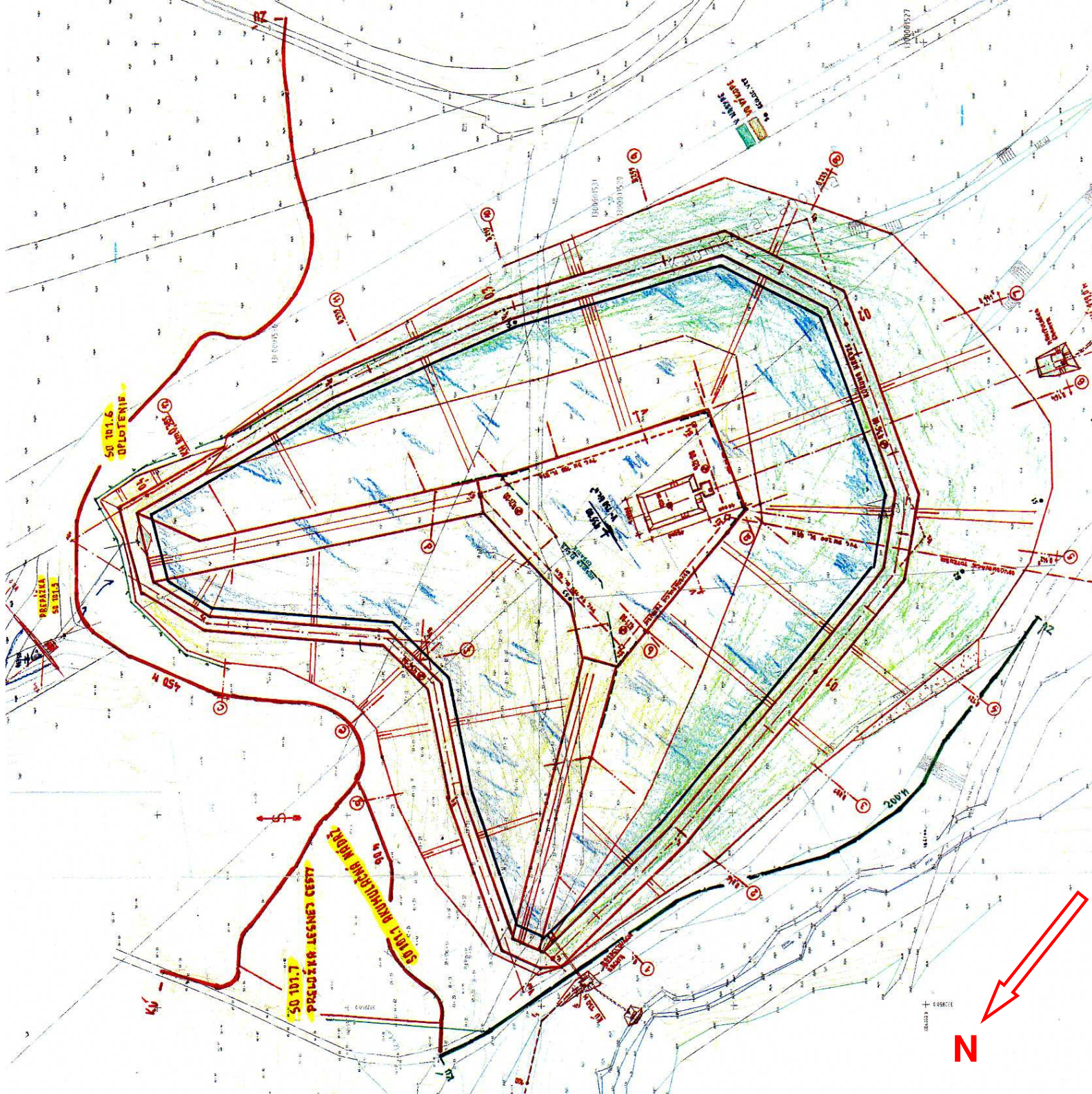
# Ground plan



-  T-2 geological borehole
-  hydroisohyps
-  direction of groundwater flow
-  A A' geological cross section

# Geological cross section

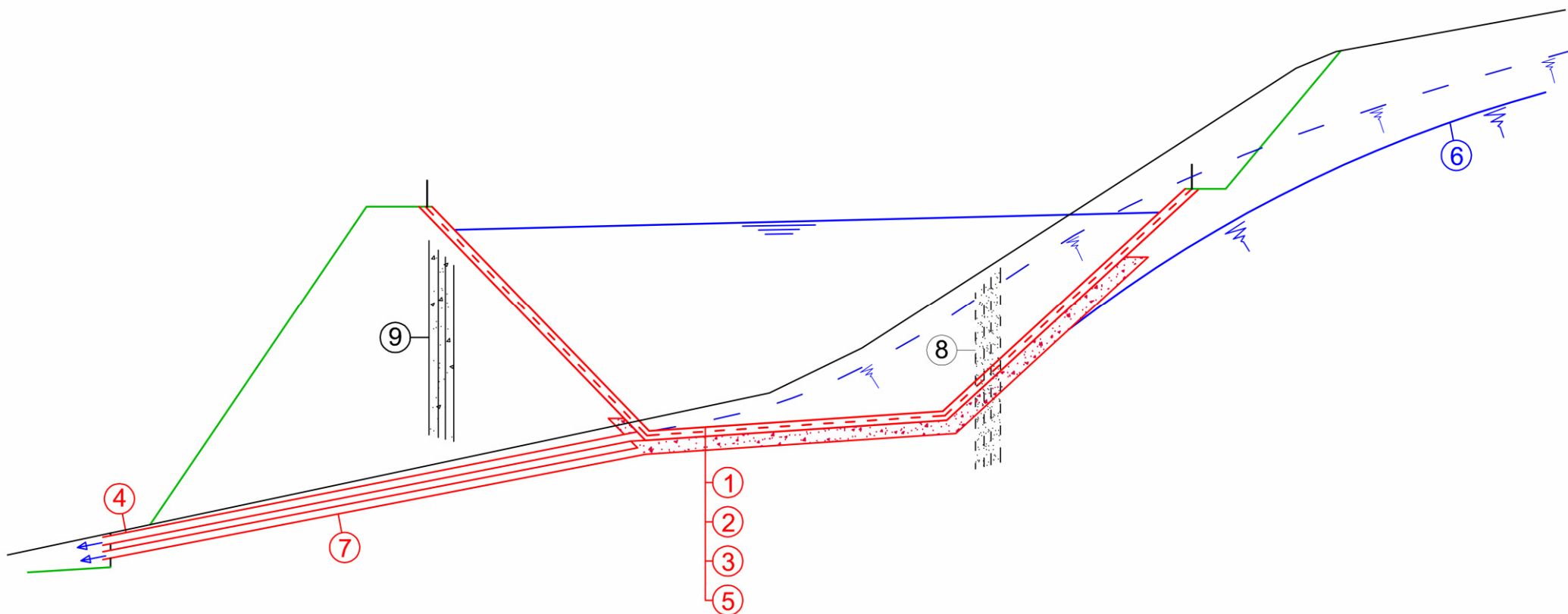




**Ground  
plan**

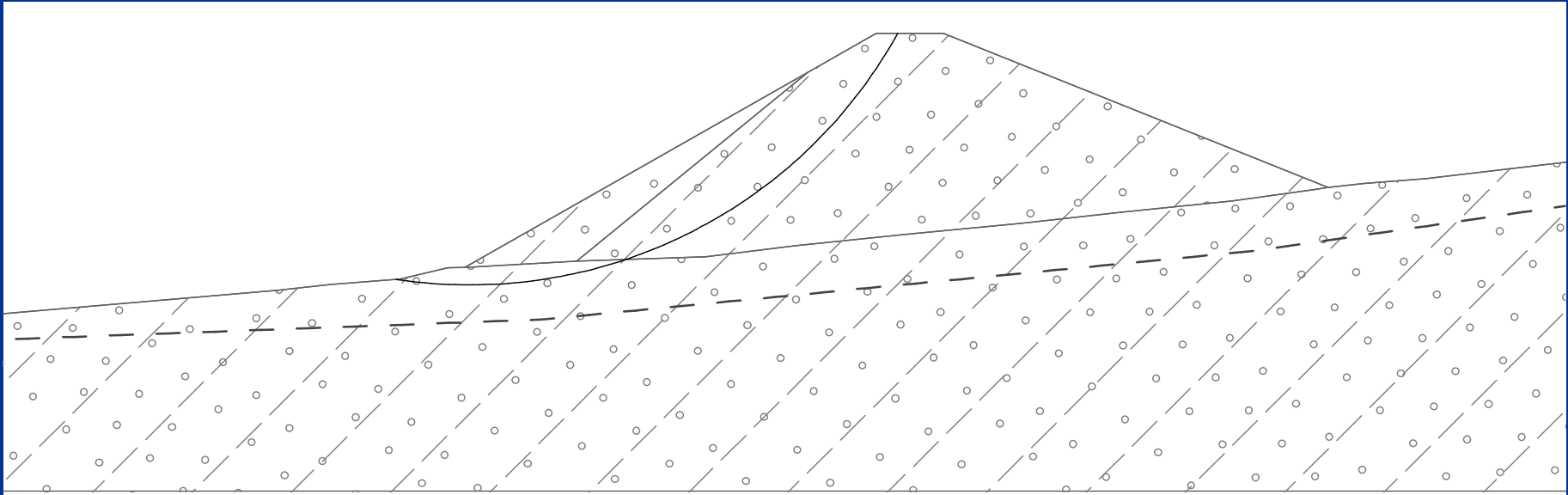


# Typical cross section through water reservoir

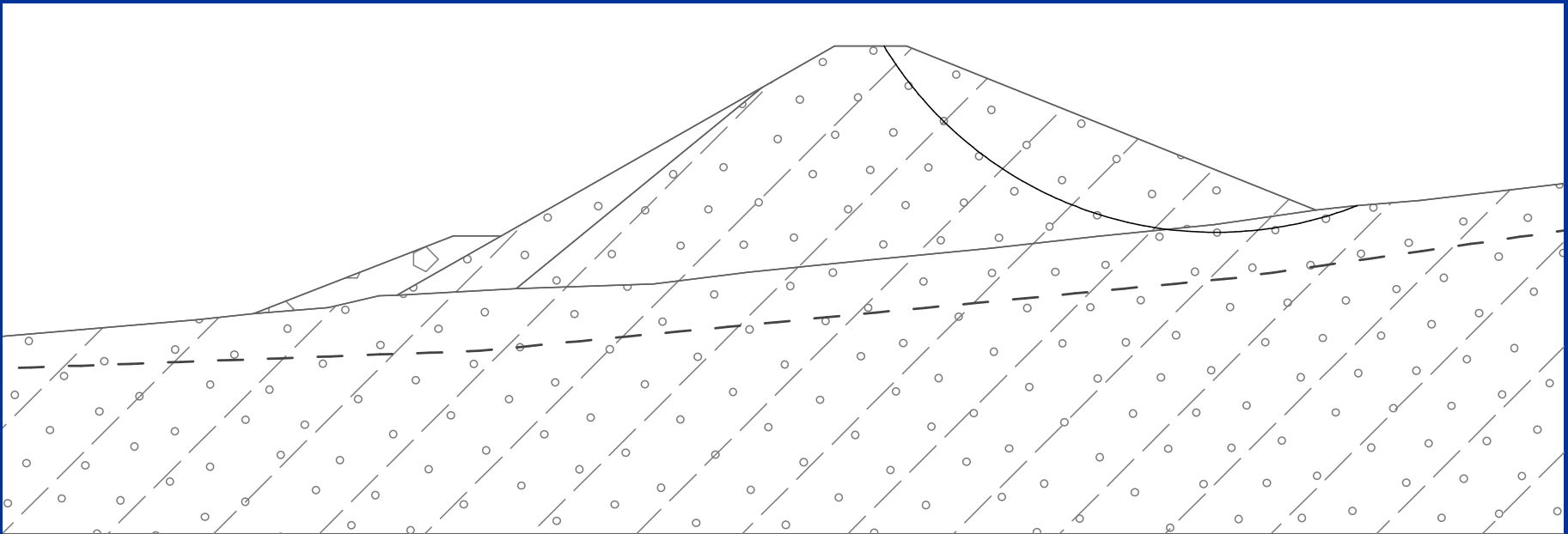


- 1 – primary folio Fireston; 2 – drainage layer DRAINTUB; 3 – contra folio Fireston;  
4 – offtake of drainage; 5 – surface drainage of GWL; 6 – decreased GWL;  
7 – outflow of drained water; 8 – silty sand; 9 – clayey sand + gravel

# Typical calculation models for slope stability

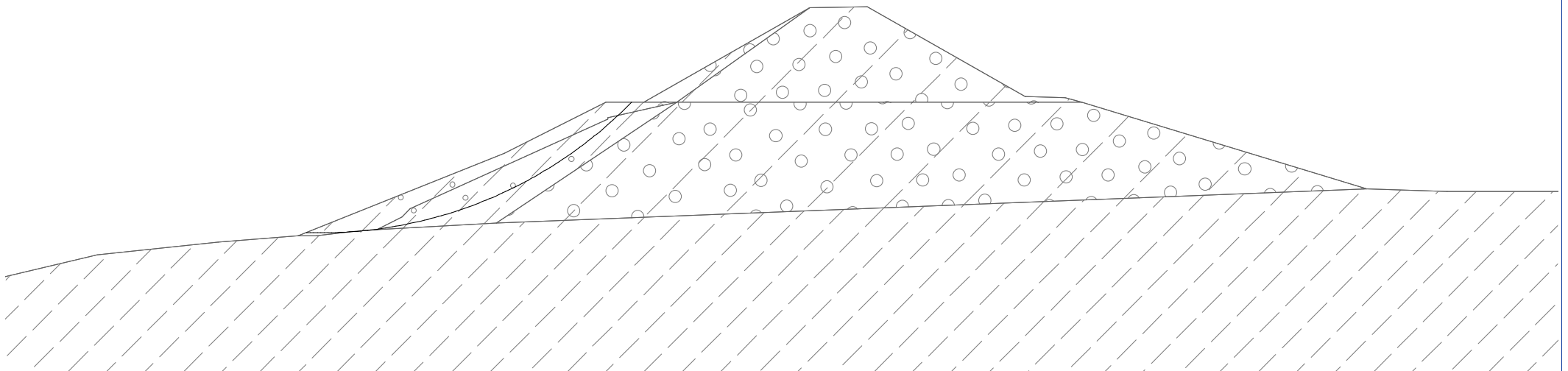
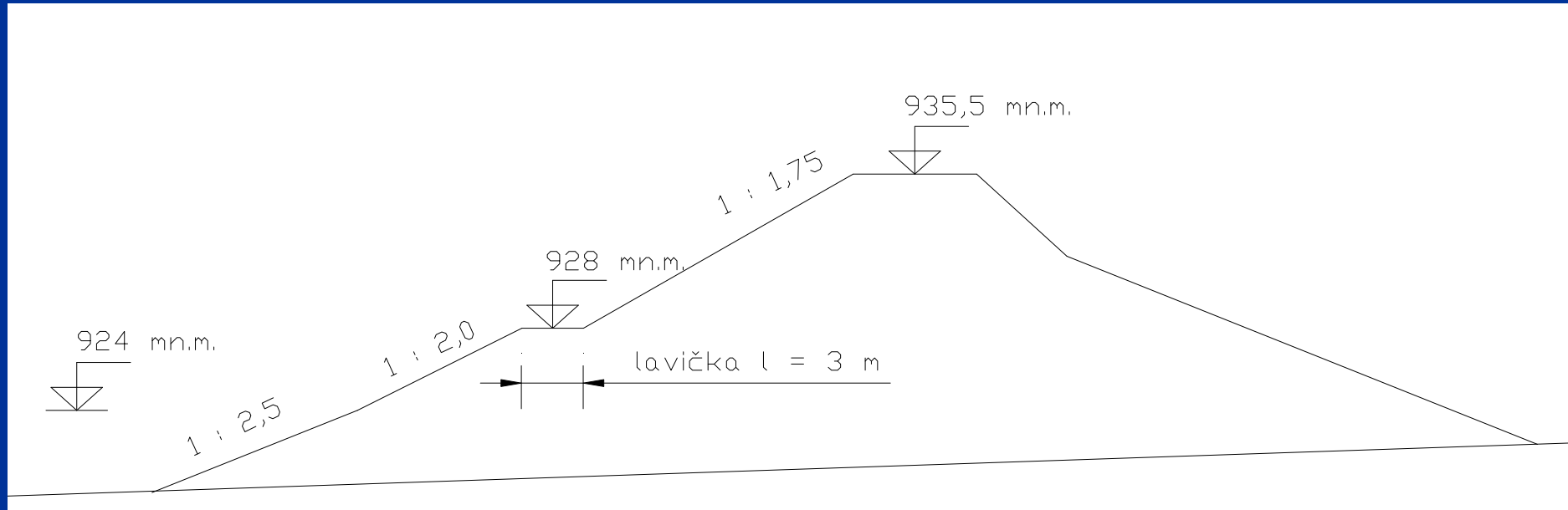


Cross section 6: the dam has not the final shape





# The final shape of the cross section





**Cutting on the north side**

# Overall view on water reservoir

