



Storfinnforsen fyllningsdamm –
förstudie, granskningar och val av metod för
att minska porttrycken i nedströms stödfyllning

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Orientation

- Faxälven, a branch of Ångermanälven
- 32 000 km² catchment area
- 500 m³/s average water flow
- 12 TWh annually
- Approx 17% of total hydro production in Sweden



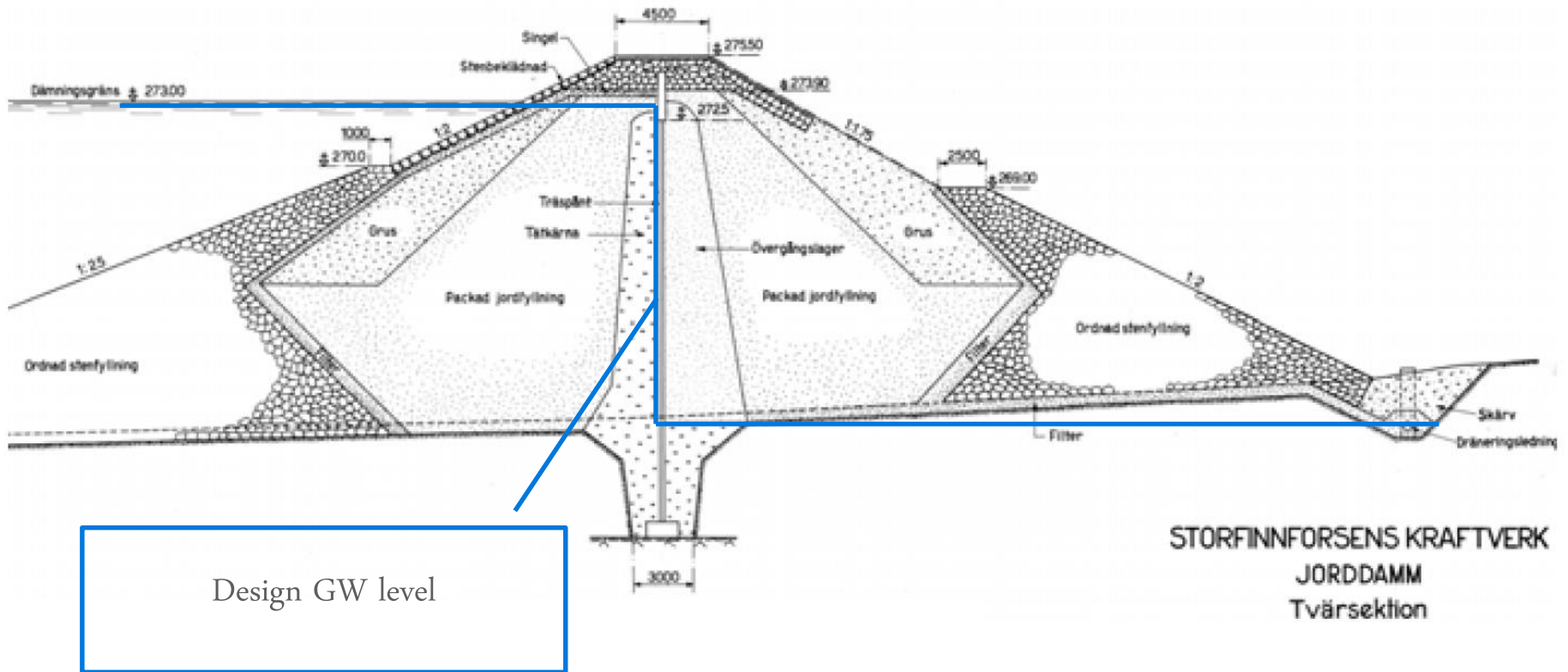


An aerial photograph of a large dam structure, likely a buttress dam, situated in a forested area. The dam is a long, curved concrete structure with a series of buttresses. To the left of the dam is a large reservoir of blue water. To the right of the dam is a rocky outcrop and a dense forest of trees with yellow and orange autumn foliage. In the background, there are several buildings and a parking lot. The sky is clear and blue.

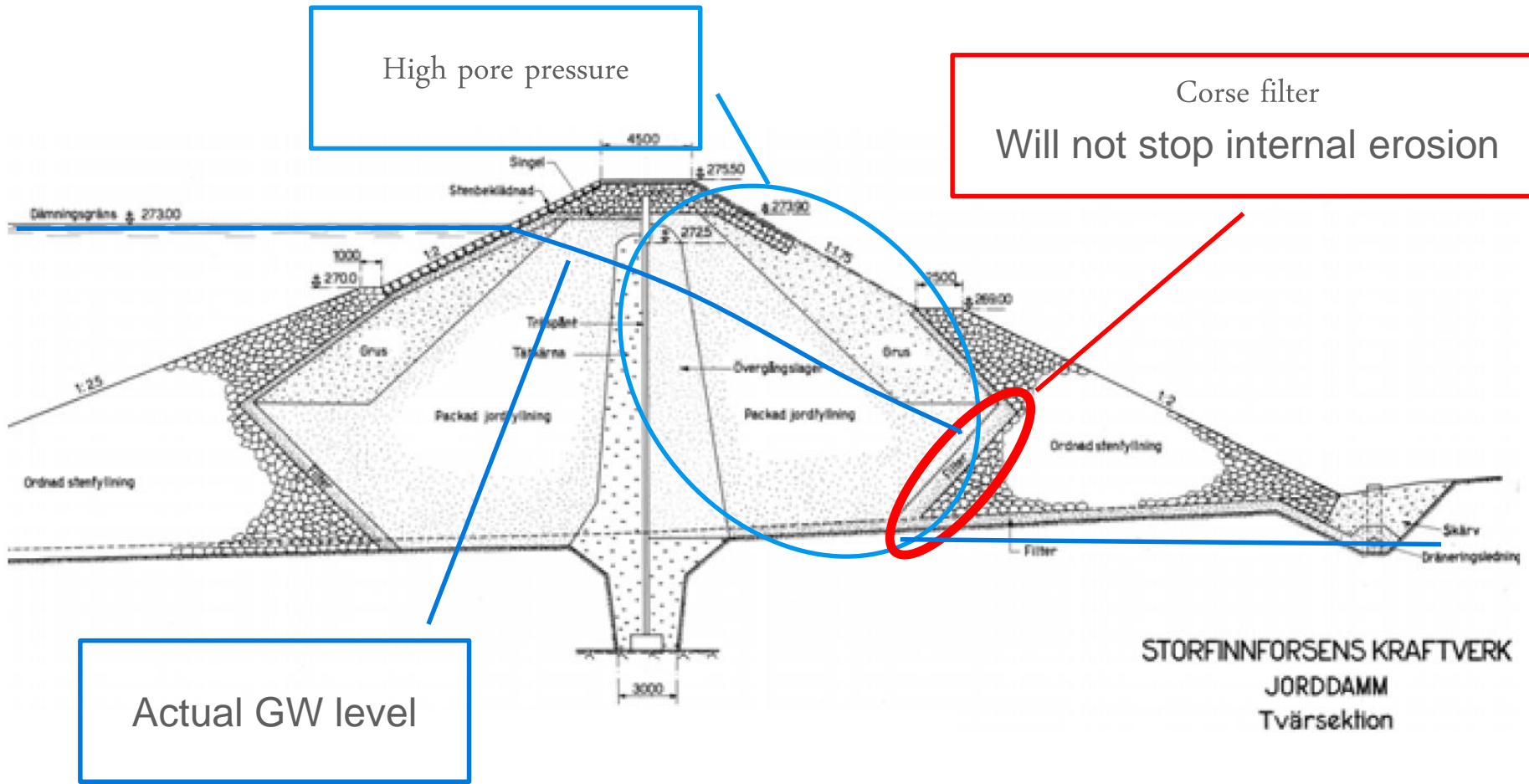
Commissioned: 1954
Nr. units: 3
Power: 112 MW
Production: 536 GWh
Head: 49,5 m

Buttress dam: 900 m
Height: 40 m
Embankment dam: 300 m
Height: 25 m

Original Design - Behavior

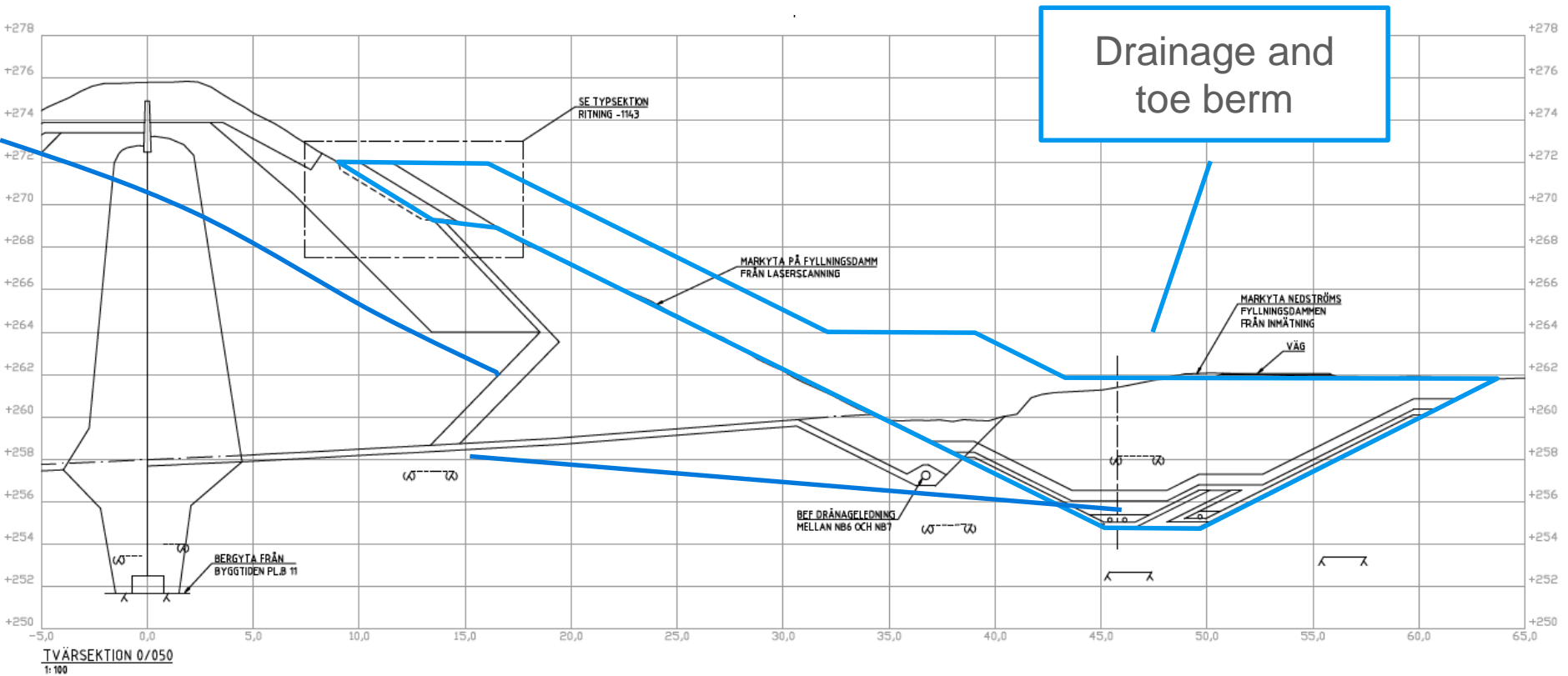


Actual Behavior

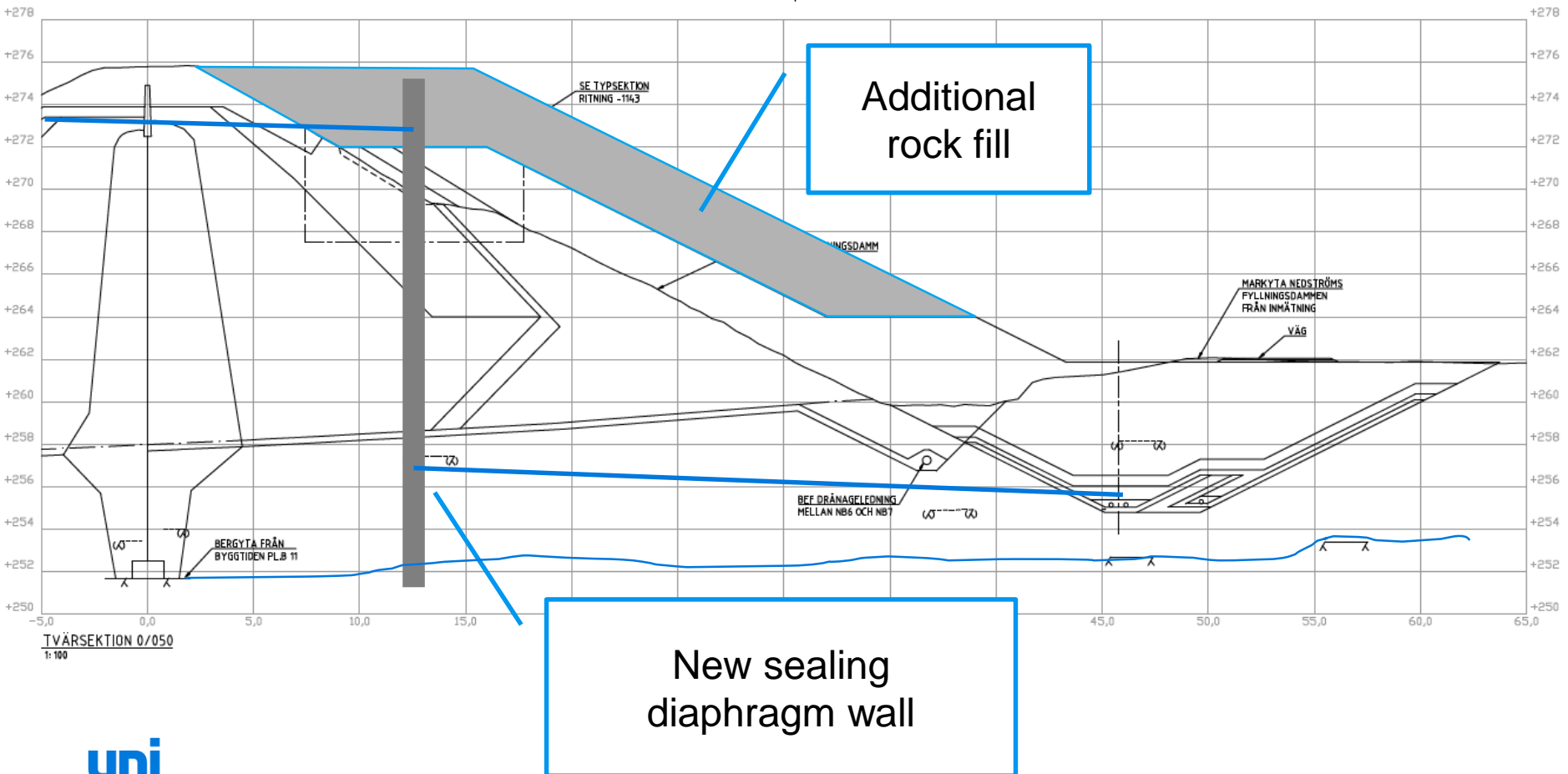


STORFINNFORSENS KRAFTVERK
JORDDAMM
Tvärsektion

1st Stage, Improved Seepage Capacity

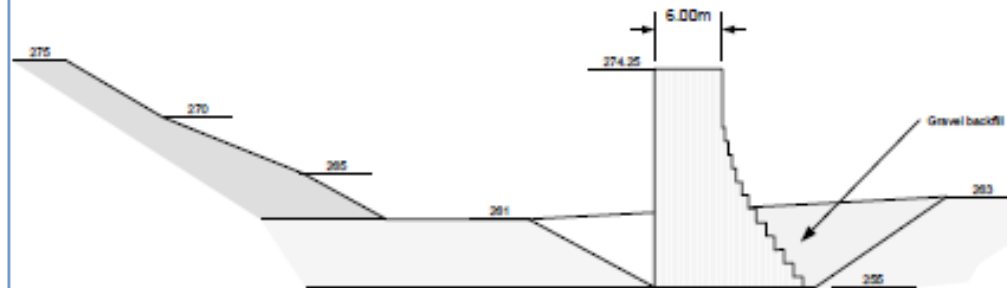
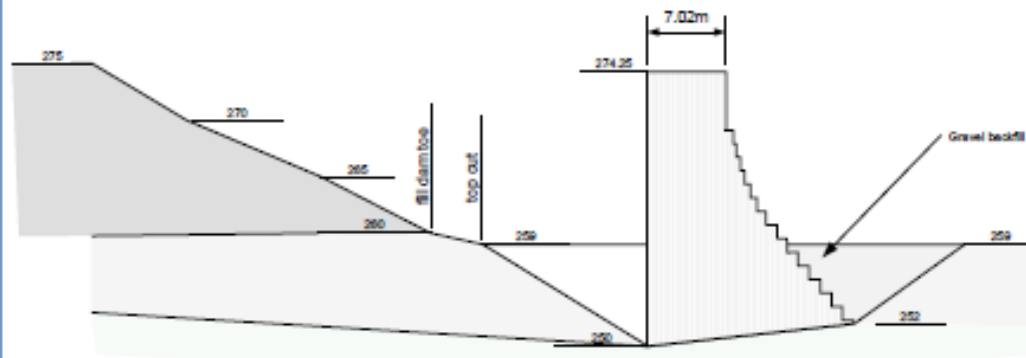
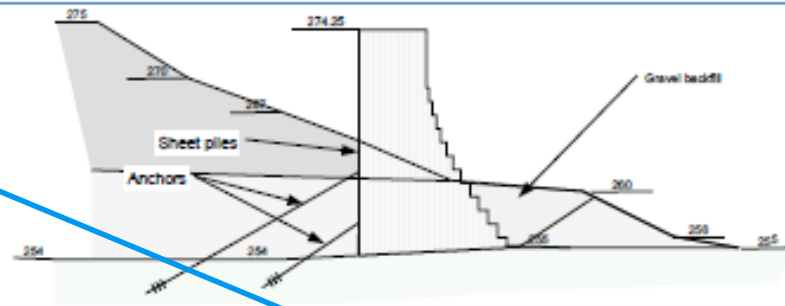


2nd Stage, Choice of Method, Option

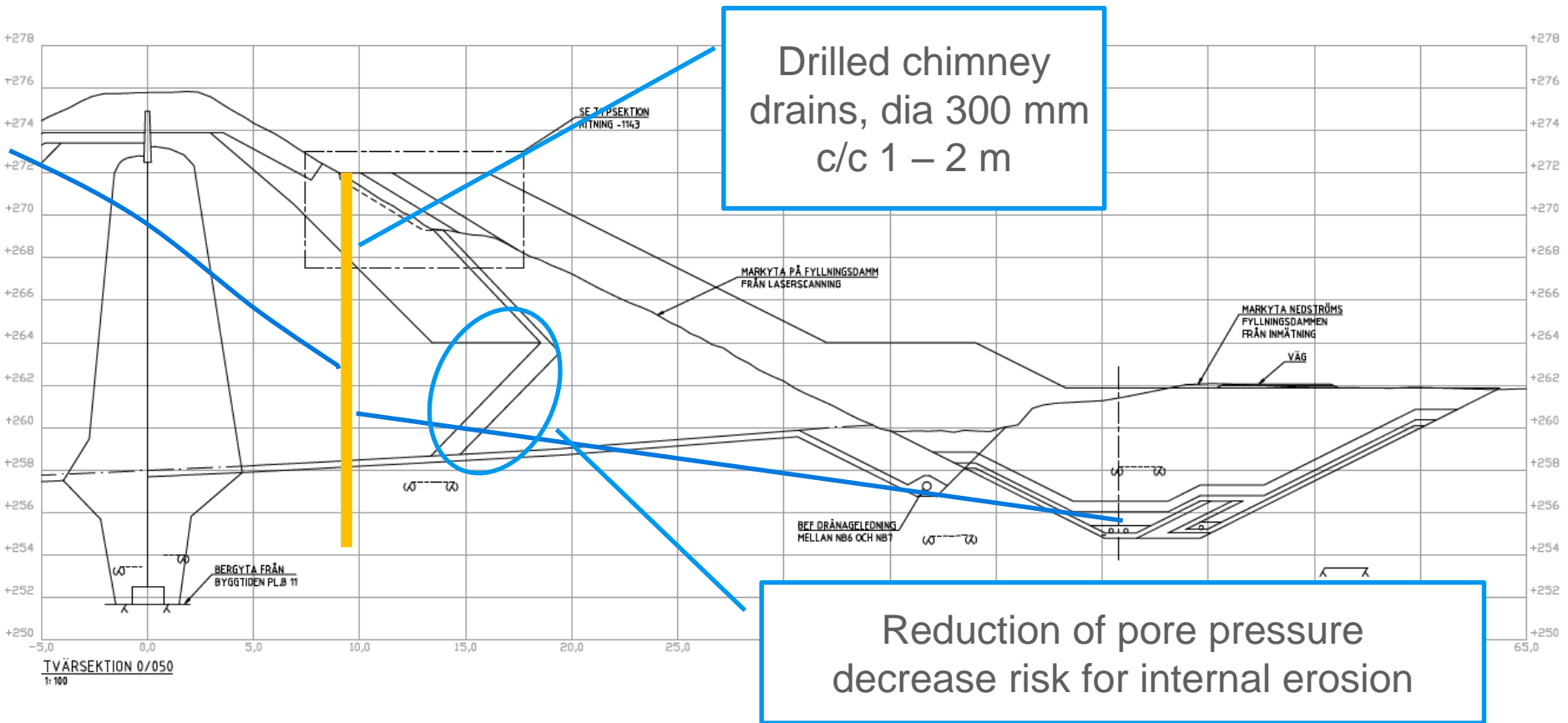


2nd Stage, Choice of Method, Option

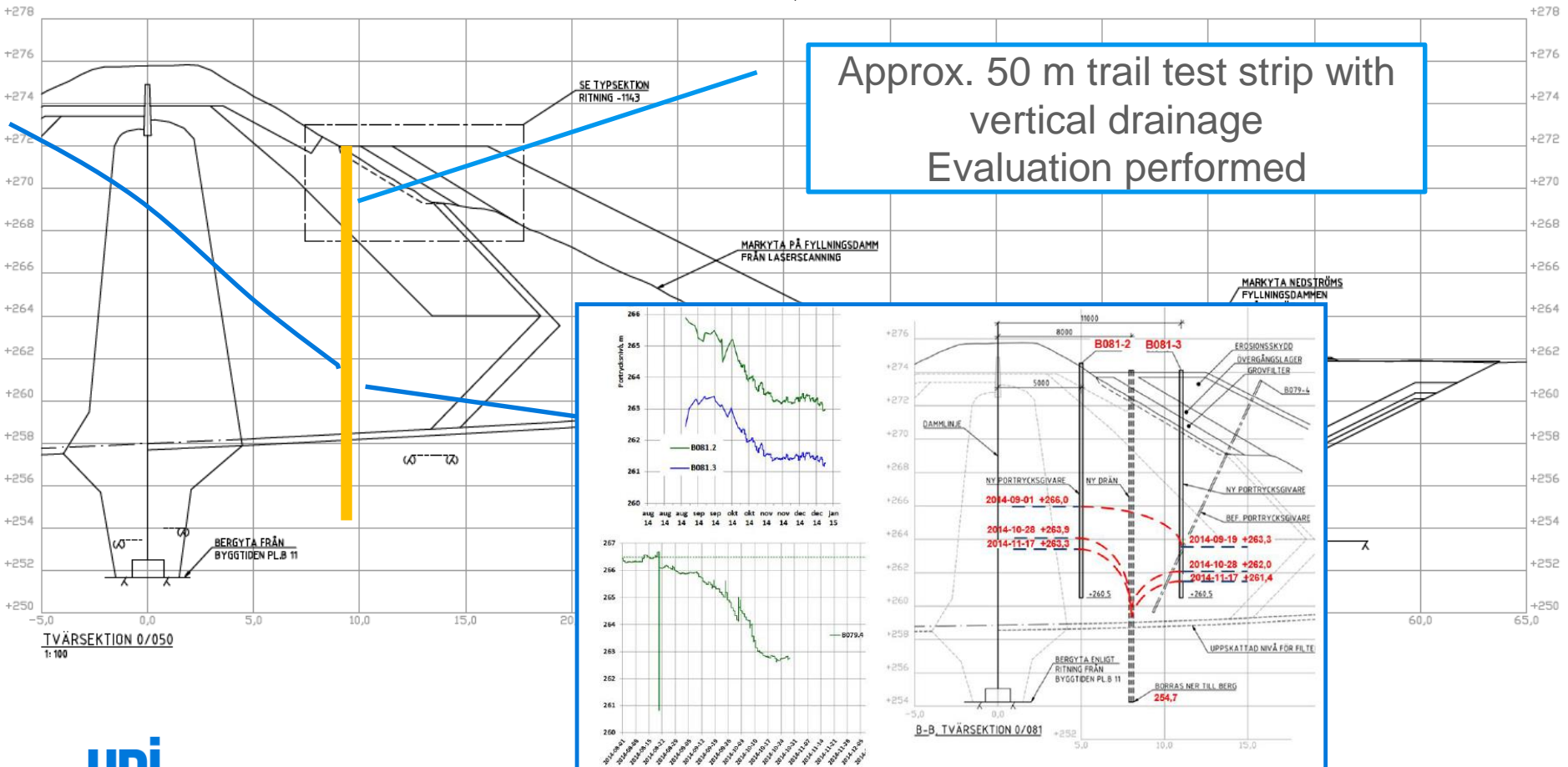
New RCC dam
on downstream side



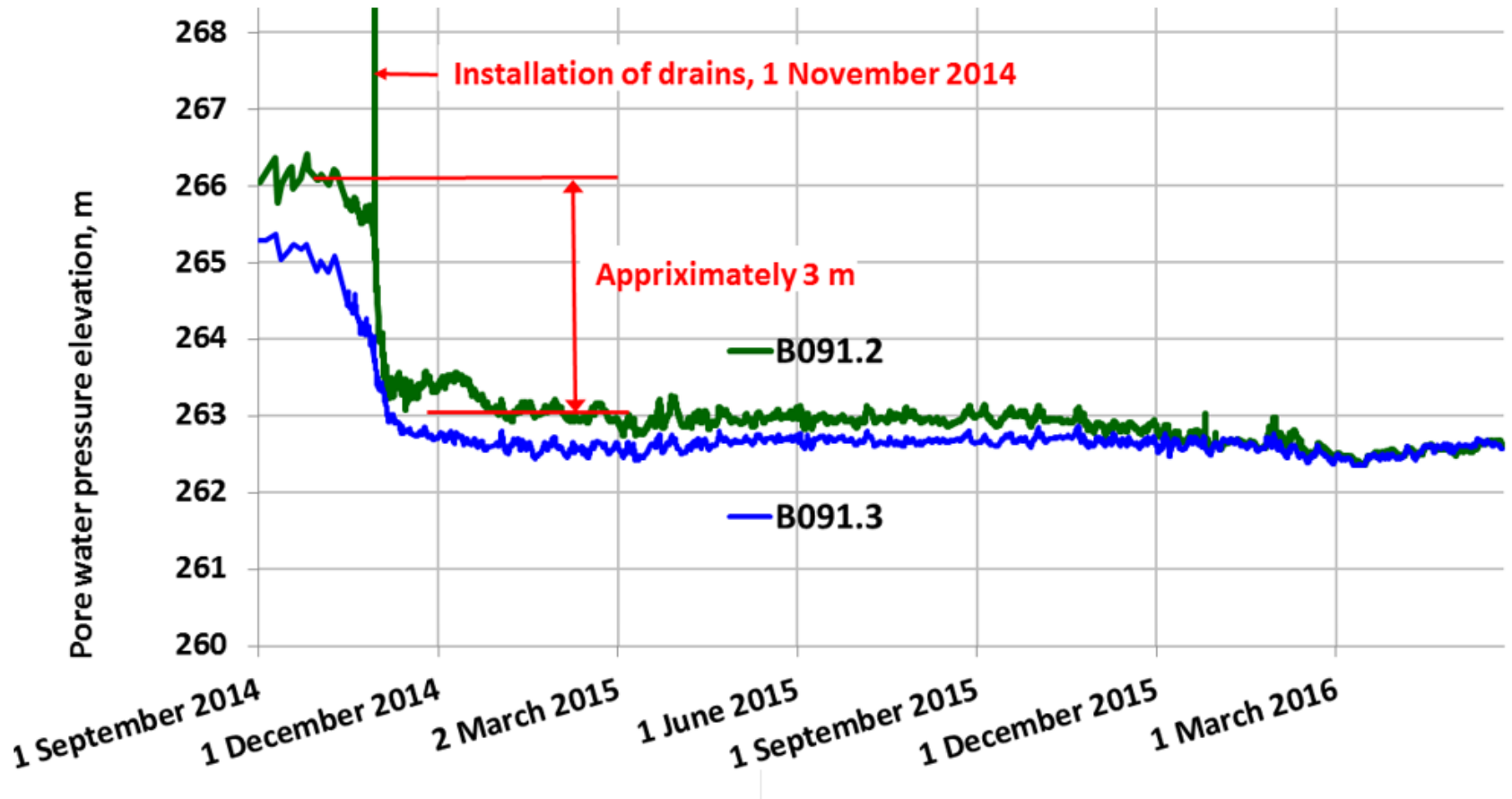
2nd Stage, Choice of Method, Option



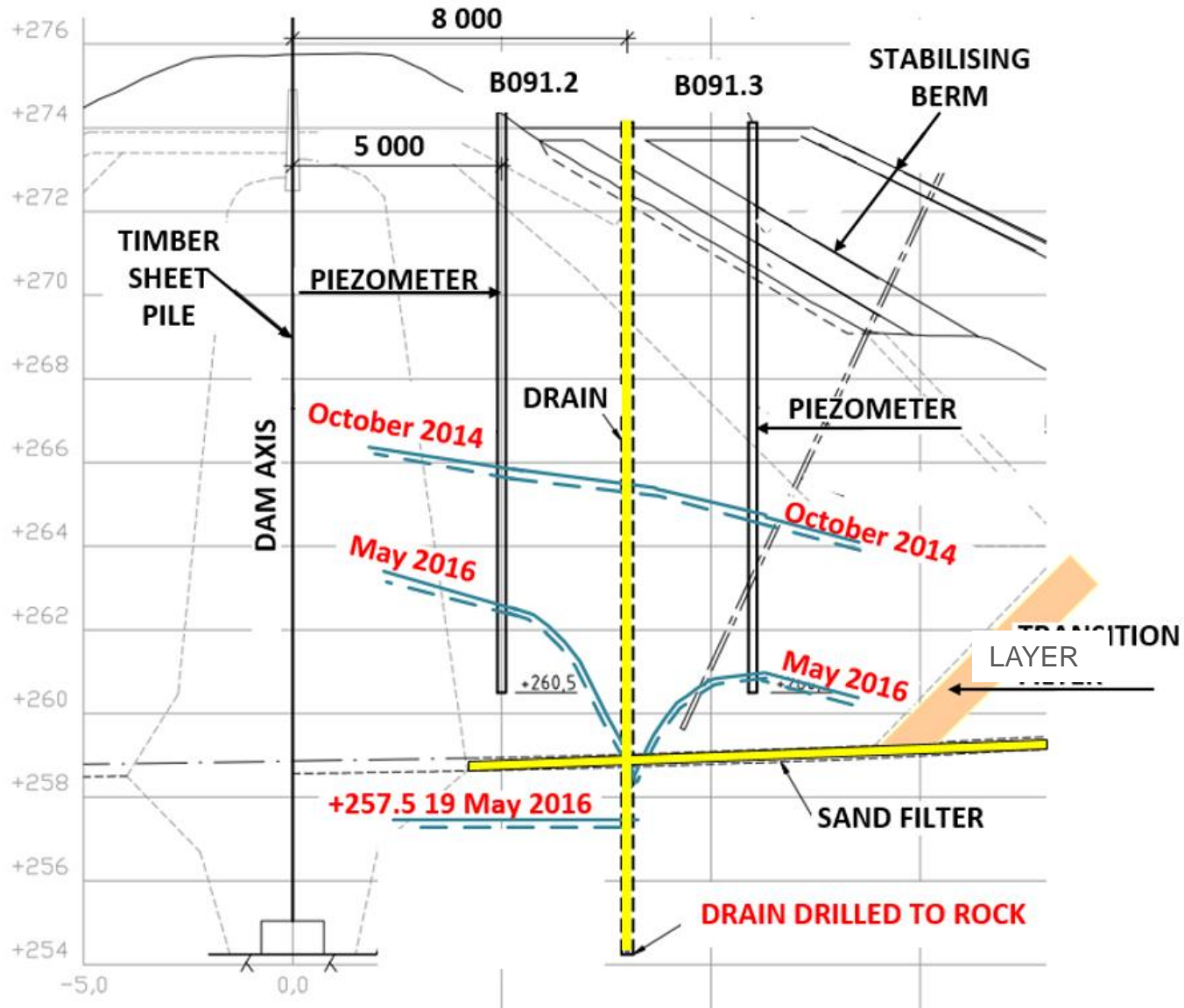
3rd Stage, Method Test And Evaluation



3rd Stage, Method Test And Evaluation



3rd Stage, Method Test And Evaluation



4th Stage, Continue Drains During 2016

