

Dachsenbühlbach Floodwater Retention Basin



The Swiss city of Schaffhausen commissioned us to complete the planning and construction of a two-stage flood retention basin on the Dachsenbühlbach creek located near the Schweizersbild sports facility. In keeping with the city's policy of responding proactively to hazards associated with climate change, the project is aimed at protecting against floods that statistically reoccur at a 300-year interval. We built the final dam as a predominantly encased concrete wall that follows the contour of the terrain. The outflow is regulated with a debris rack.

Our services

- Planning and realization of this project from the project concept to execution: project planning (SIA phases 31 - 33), tendering and realization (SIA phases 41, 51 - 53)
- Specialist construction management of the flood retention basins
- Study of alternative retention dams
- Hydraulic calculations
- Geotechnical engineering
- Submitting all relevant safety verification documents; testing in accordance with the dam regulations

Client

Schaffhausen, Office of Civil Engineering

Facts

Period 2020 - 2023

Project Country Switzerland

Contact persons

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