

Auftraggeber: Rheinunternehmen, Rheinbastrasse 2, 9443 Widnau  
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Aufweitung Alpenrhein,  
Schaan, Buchs und Eschen,  
Rhein-km 51.000 bis km 52.700

Geotechnisches Profil 1:250, QP 253'050 (km 52.000)

Legende:

KB = Bohrung, RS = Rammsondierung, BS = Schacht  
CH = Schweiz / FL = Fürstentum Liechtenstein

-5.8

Einbauten:

Piezometer:

Abdichtung

voll

gebohrt

Wasserspiegel mit Datum

Wasseraustritt

kein Wasser, Rammloch verstopft

Profil QP 253'050 (km 52.000) 1:250

The diagram is a longitudinal geotechnical profile of the Alpine Rhine expansion project. The vertical axis represents elevation in meters above sea level (m ü.M.), ranging from 430 to 445. The horizontal axis represents the project distance in kilometers, specifically QP 253'050 (km 52.000). The profile shows the existing ground surface (grey line) and the proposed artificial embankment (red line). Key features include:

- Infrastructure:** The A13 highway is shown at the top left. Various boreholes and test points are marked: B127, B23/06, B13/06, S23/06, S13/06, RS\_FL\_1 (54 m proj.), KB\_FL\_1 (31 m proj.), BS\_FL\_1 (34 m proj.), and BS\_FL\_2 (44 m proj.).
- Soil and Geology:** The profile identifies several geological layers: 'künstliche Aufschüttung' (artificial fill), 'Überschwemmungsablagerungen' (flood deposit), 'Rheinschotter' (Rhine gravel), and 'Hinterwasserablagerungen' (backwater deposit). A 'Perimetergrenze' (perimeter boundary) is indicated by a red line.
- Structures and Features:** 'Dammerschüttung' (dam fill) is shown at several locations. 'Abdichtung' (sealing) is indicated by hatched areas. 'Wasserspiegel mit Datum' (water level with date) is shown for several boreholes, with dates like 02.04.1964, 13.07.2006, and 07.09.2023. 'Wasseraustritt' (water outlet) is also marked.

vm

Dr. von Moos AG

Geologie + Geotechnik

Gez.	Kontr.	Datum
WM/TG	MM	21.02.2024

Beilage: 2.3

Bericht: 12897

Format: 30 x 175

12897-B2-3-Profil-QP253050.ai  
Plangrundlage: QP 1:500, km 51.800 – 52.600  
Entsch.: Berger AG Bern  
"AlpSBE\_42\_31\_QP\_Abschnitt2\_231011.pdf", E-Mail vom 18.10.2023