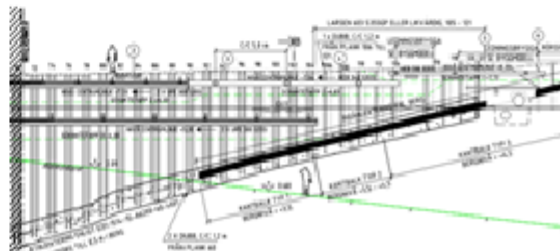


Arbetstunnel Hagalund

Stockholm, Sverige

Installed 1700m² sheet piles (VL 603, 606), beams and struts (UPE 300 and HEB).
Rock dowels 132 pcs Ø 100 mm
Jet-Grouting 199 pcs Ø1m columns to seal between bedrock and sheet piles.
DDSM 441 lime cement columns, approximately 5400 m stabilized
Inclined anchors, 53 pcs MAI76n



Prosjektet

Arbetstunnel Hagalund is a part of the extension of the Stockholm metro with the new Gula linjen. The project is located in Solna and is an entrance to a construction tunnel.

Keller executed the works by excavation support and water sealing for an access road descending to the tunnel mouth, by using several in-house techniques, sheet piling, rock dowels, beams, DDSM, jet-grouting and anchoring.

Utfordringen

Some of the challenges in this multi-technique project was the number of different types and lengths of sheet piles that also had to be prepared by welding casings on them for rock dowels and jet grouting. The longest sheet piles being 19 meters. The sheet piling done with both excavator with mounted Movax and a mobile crane with a free hanging vibro hammer demanded good cooperation between personnel. Another challenge was due to a sloping bedrock surface which made drilling of the inclined anchors difficult.

Løsningen

Careful planning of which sheet piles to be prepared and stored for sheet piling works. Coordination with client and planning of which areas to be used.

Inclinometer measurements were done to detect faulty anchors because of slipping on the sloping bedrock

Fakta om prosjektet

Eier(e)

Implenia Sverige AB

Kellers forretningsenhet(er)

Keller Grundläggning AB

Hovedentreprenør(er)

Region Stockholm

Løsninger

Støtte under utgraving

Markeder

Infrastruktur

Teknikker

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