



NORDWESTUMFAHRUNG MERAN

JOHANNES STRIMMER – PROVINZ BOZEN

L'AVANZAMENTO IN MATERIALE SCIOLTO: GESTIONE DELLE SUBSIDENZE

GIOBBE BAROVERO – PAC SPA



Gesamtlageplan

1.+ 2. Baulos

Baulos 1

1050 m Tunnel

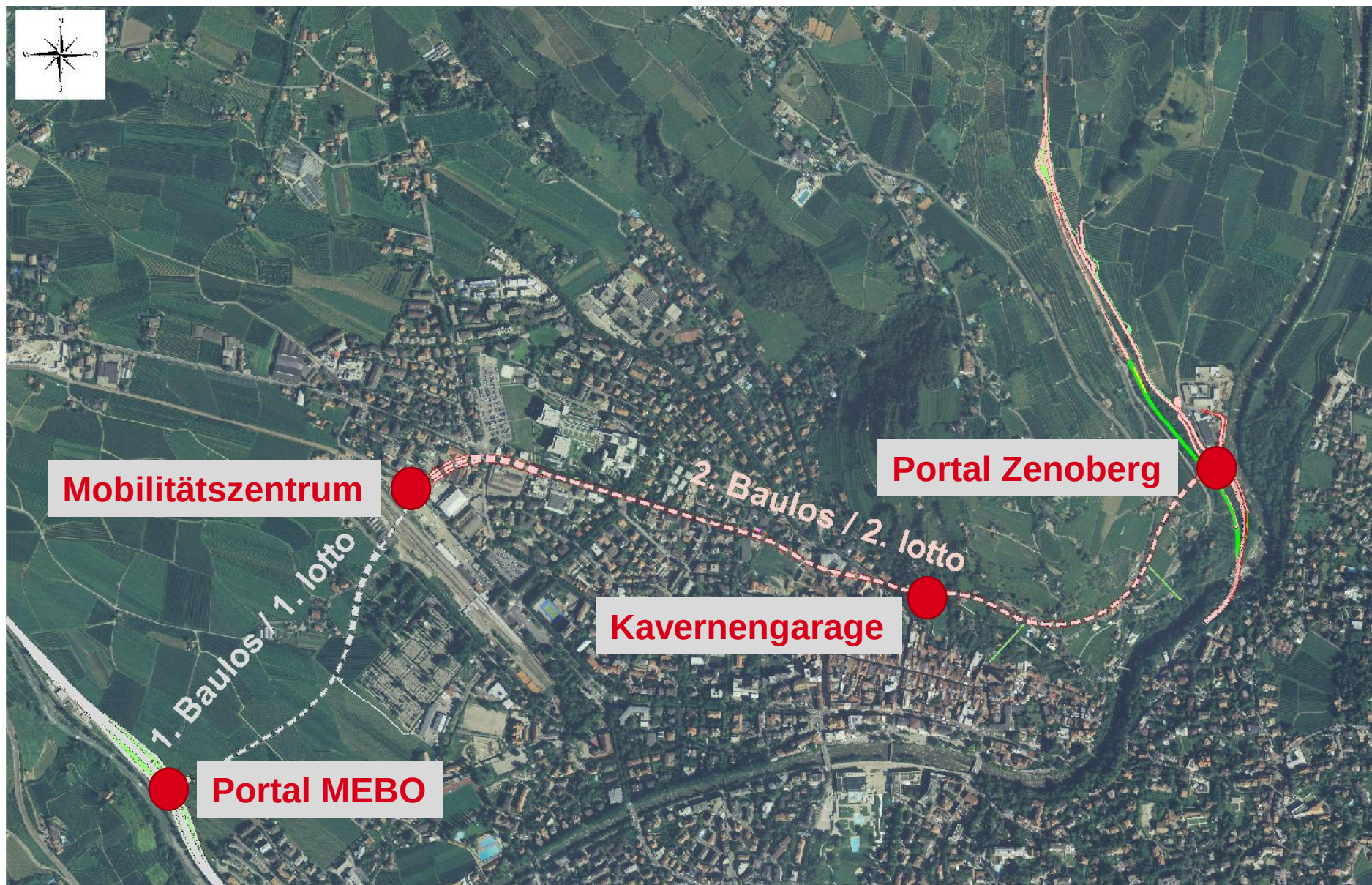
Baulos 2

2185 m Tunnel



Baulos 2

Portal Zenoberg und offene Streckenführung



Gesamtlageplan

1.+ 2. Baulos

Baulos 1

1050 m Tunnel

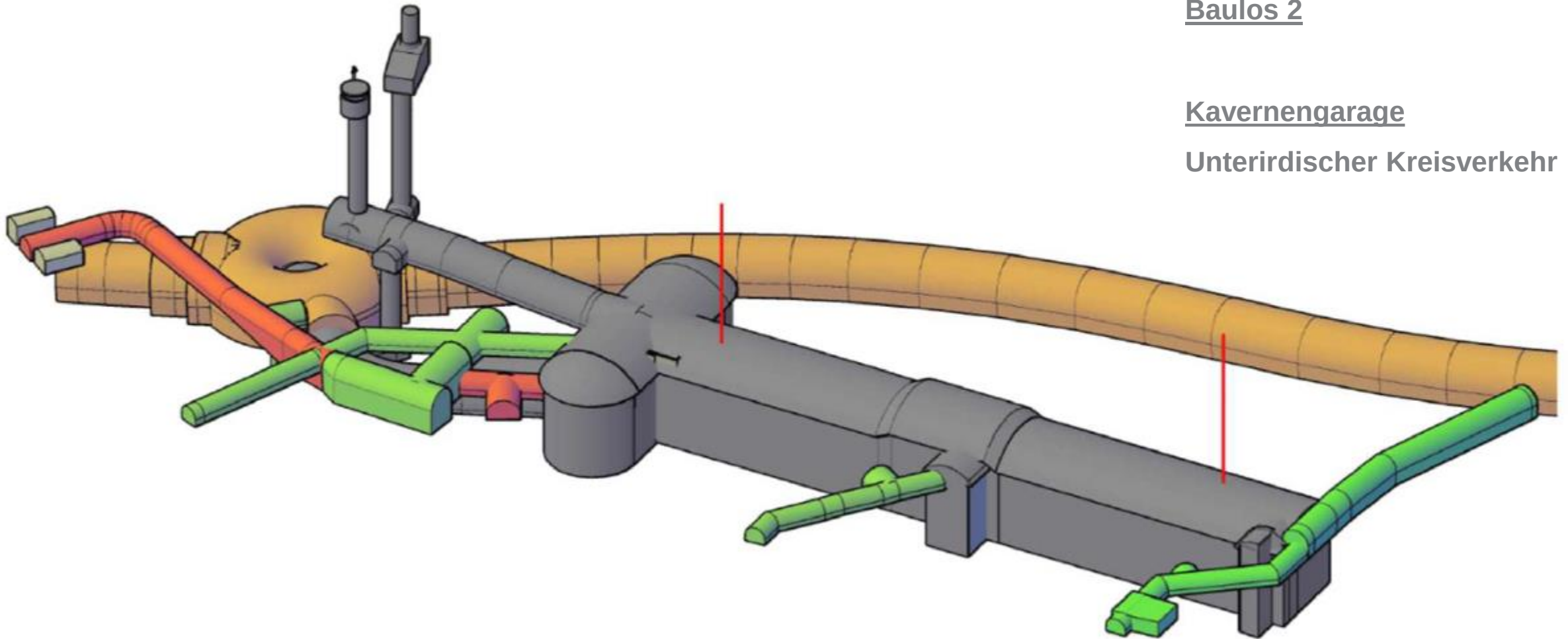
Baulos 2

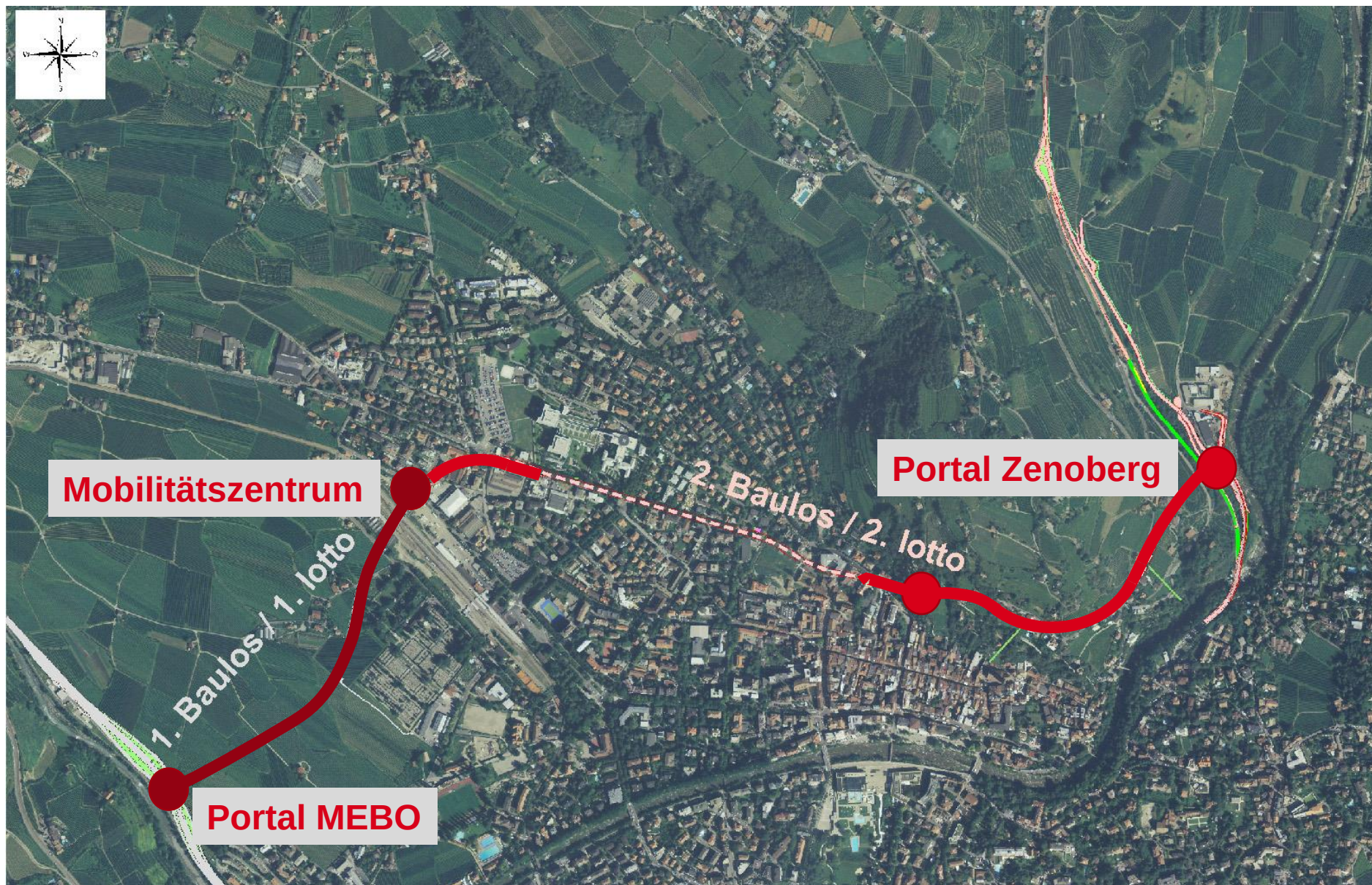
2185 m Tunnel

Baulos 2

Kavernengarage

Unterirdischer Kreisverkehr

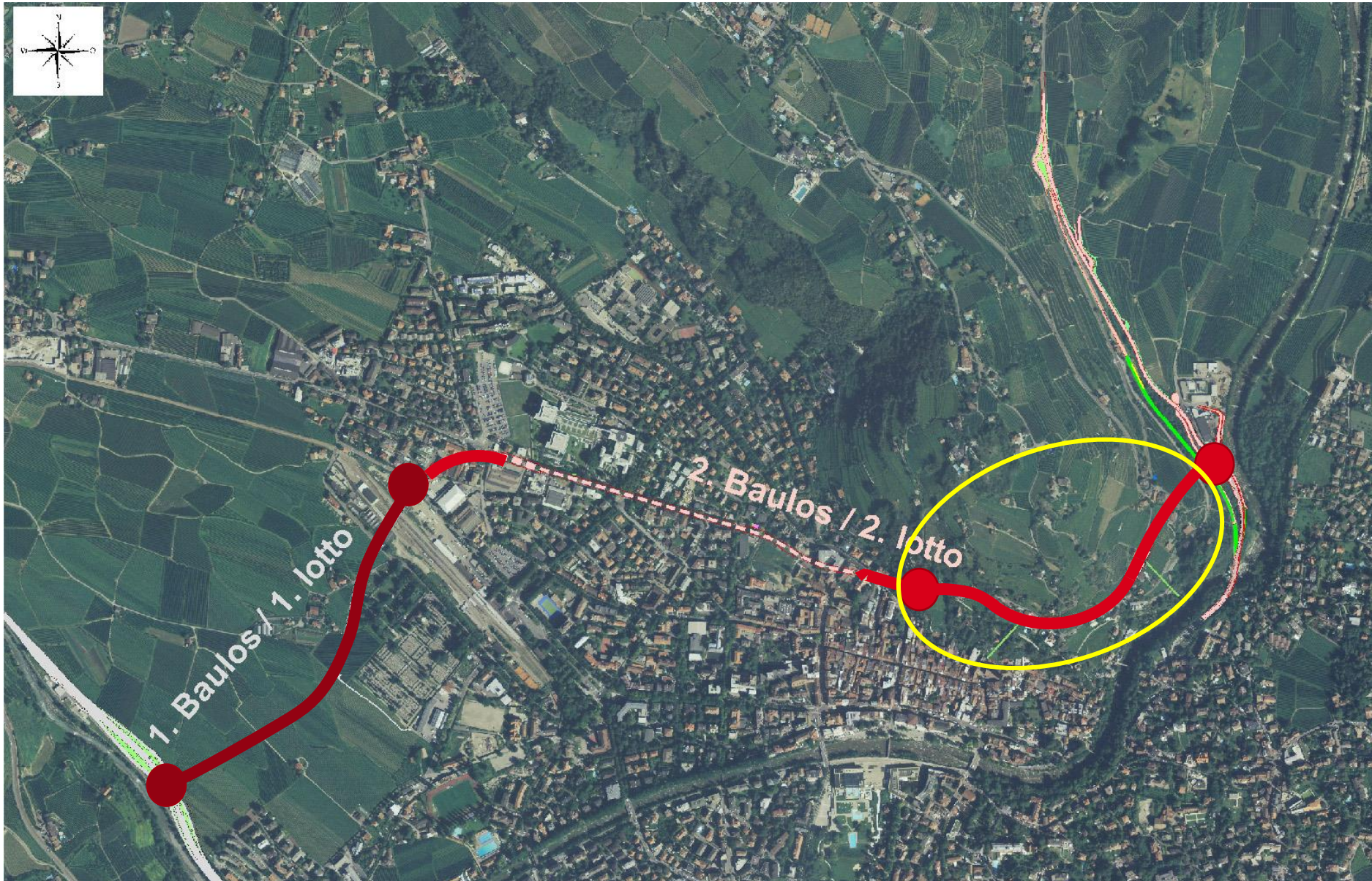




Baulos 2

2185 m Tunnel

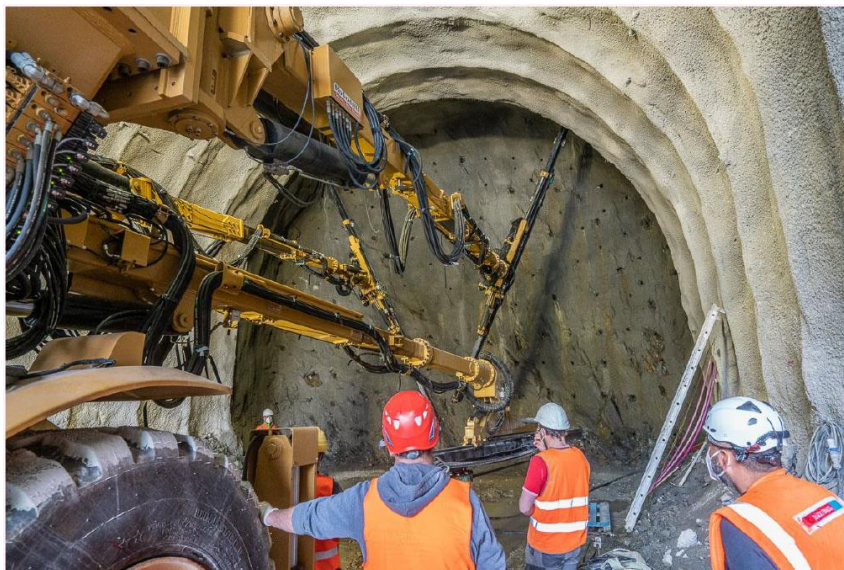
1375 m
ausgebrochen

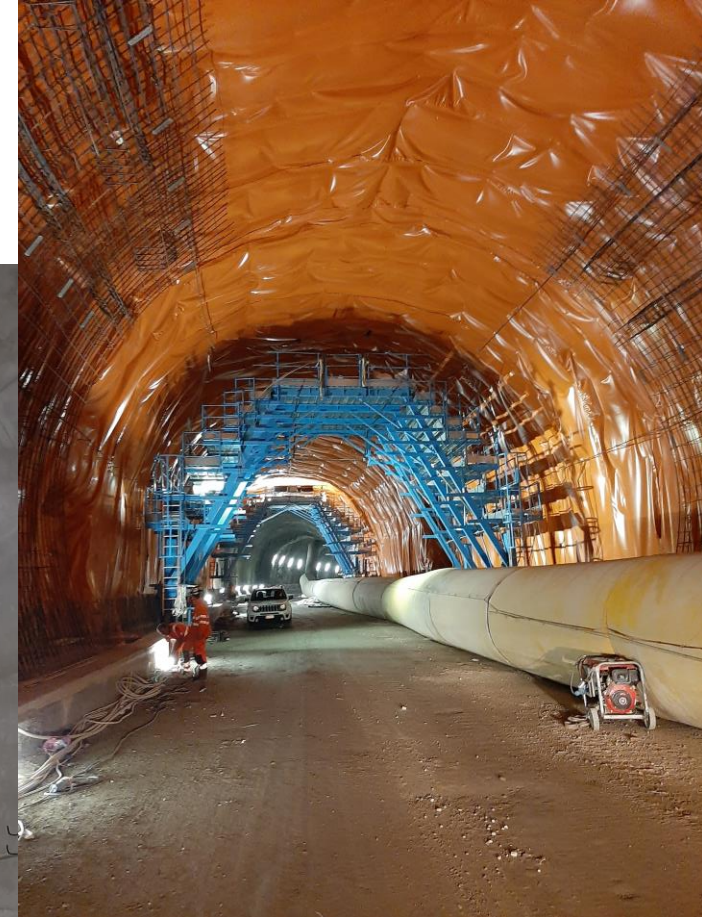


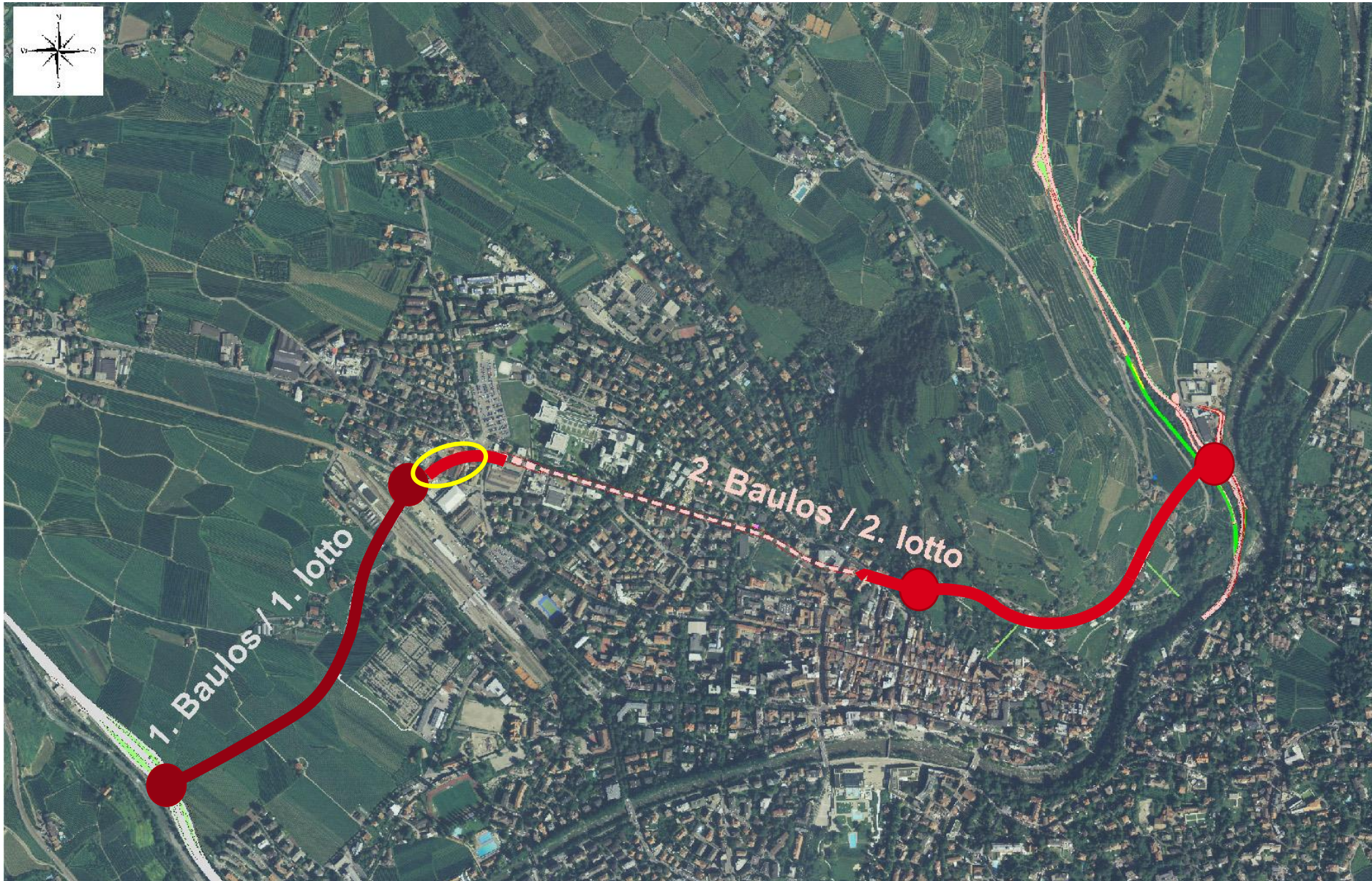
Baulos 2

Baumethoden

Vortrieb im Fels
985 m Tunnel







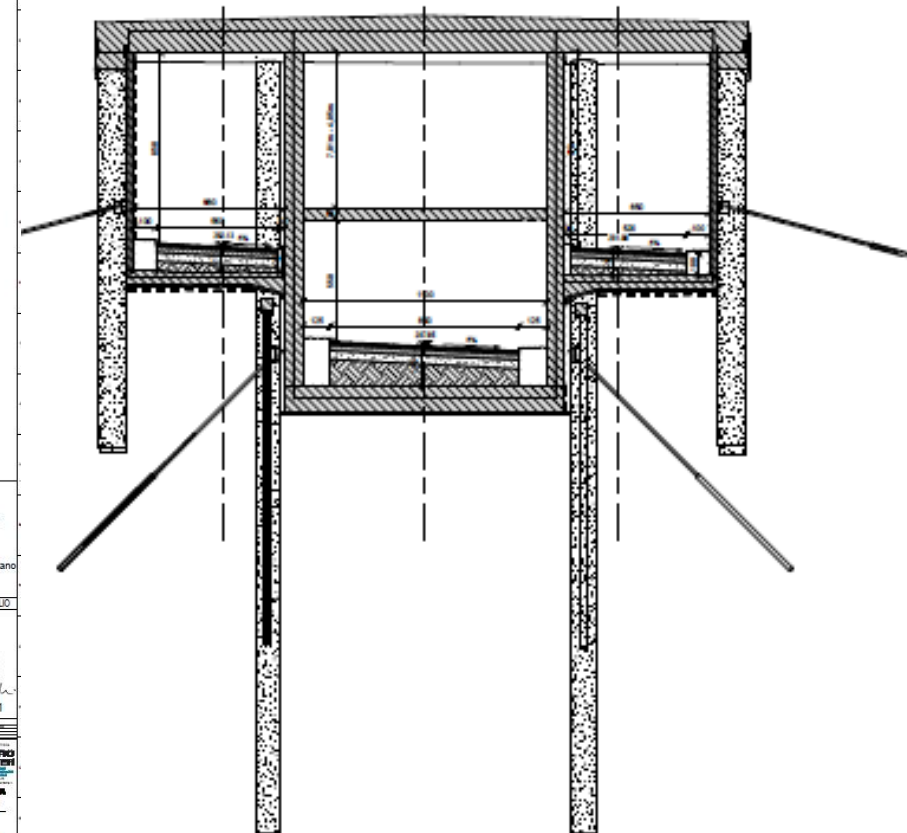
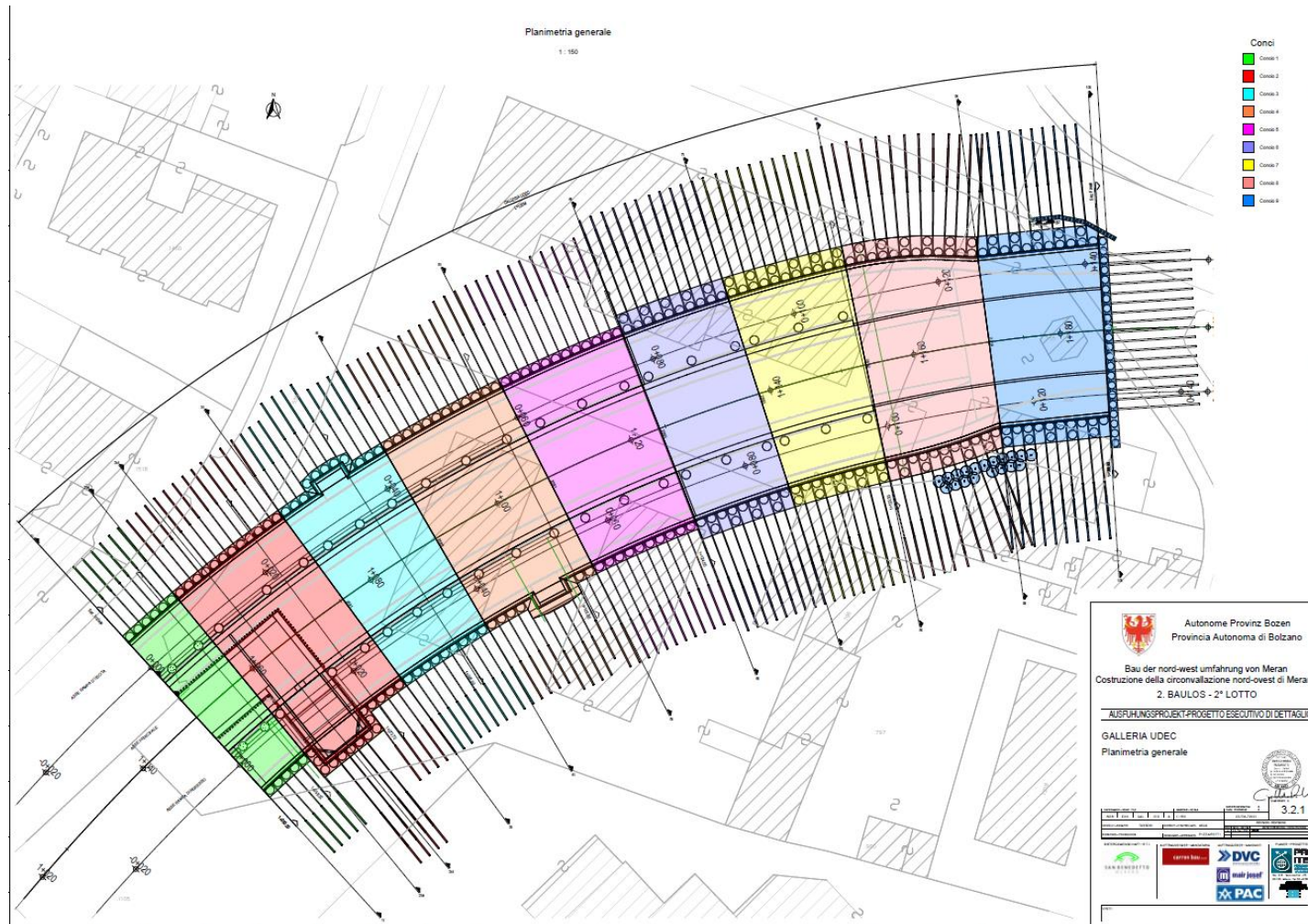
Baulos 2

Baumethoden

Deckelbauweise
144 m Tunnel

Bauhof Meran Deckelbauweise

196 Pfähle, DN1200, l=25-35m





Bauhof Meran – IV Novemberstraße

Geoalp 2023

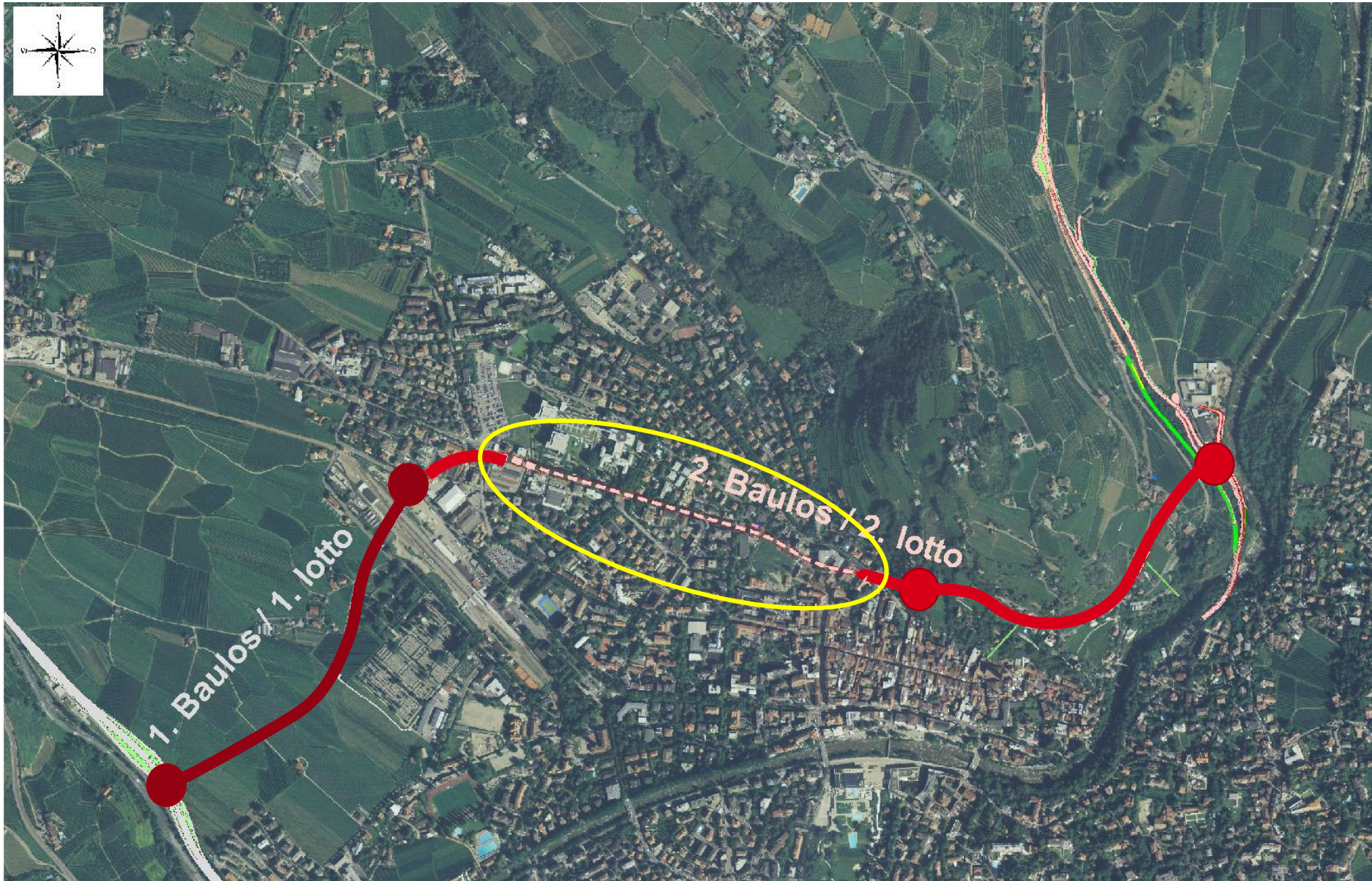
NORDWESTUMFAHRUNG MERAN

Ing. Johannes Strimmer, Dott. Giobbe Barovero



Bauhof Meran

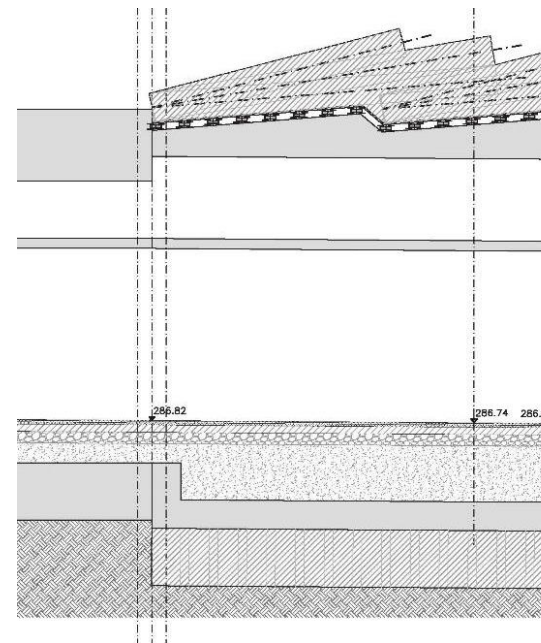
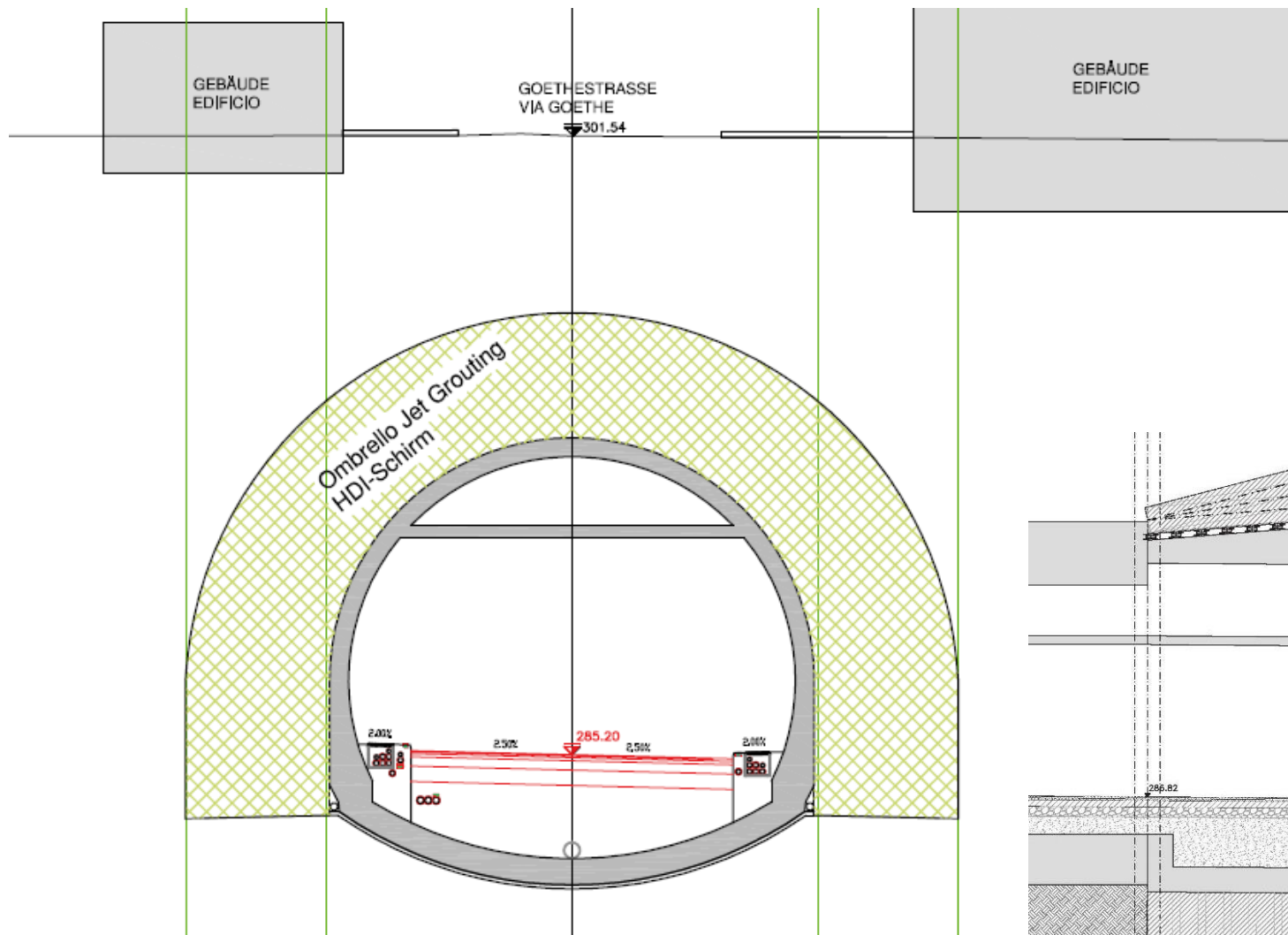
Deckelbauweise



Baulos 2

Baumethoden

**Bergmännischer
Vortrieb im
Lockermaterial**
994 m Tunnel



Vortrieb im Lockermaterial im Stadtbereich

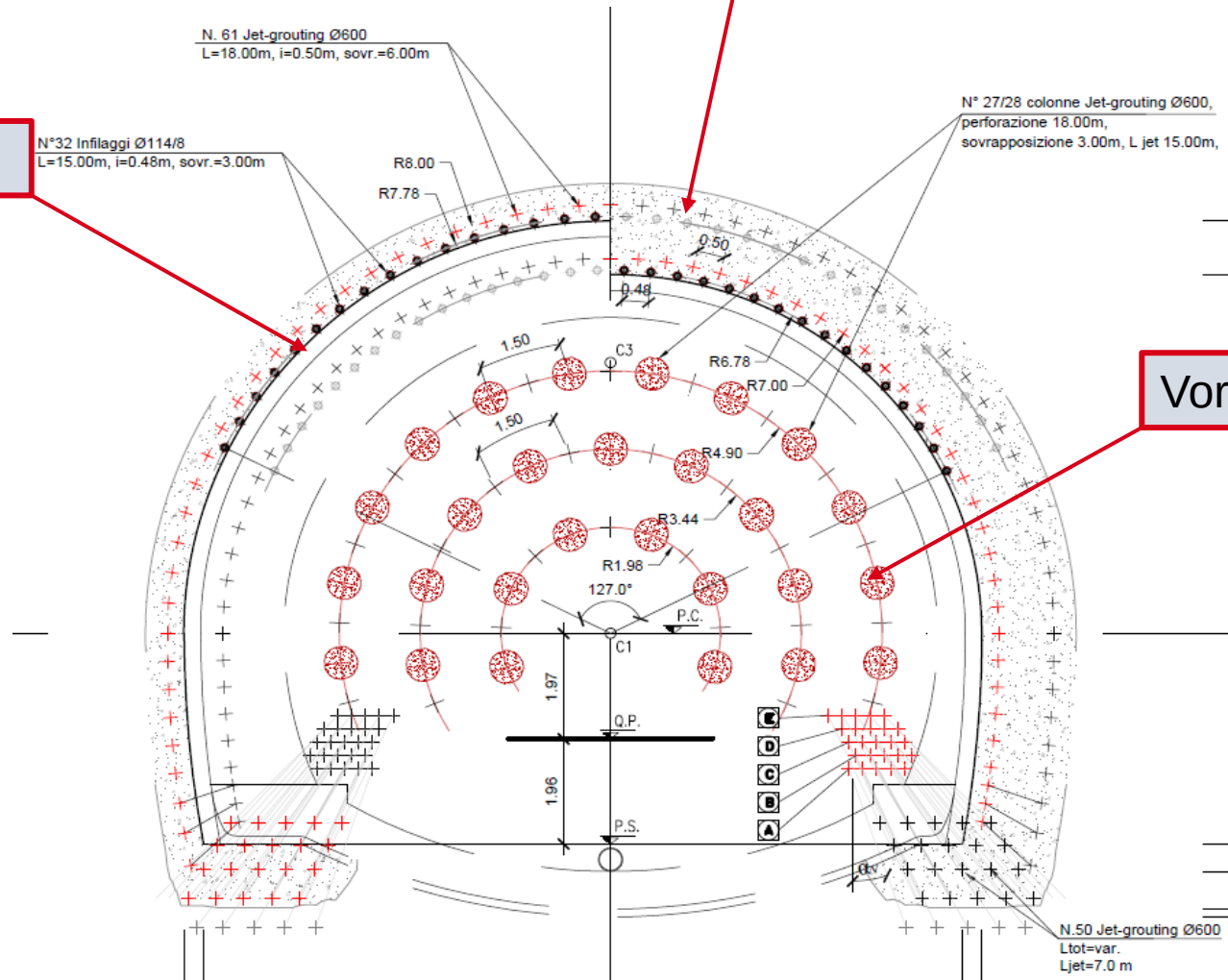
Bauverfahren

- a) vorausseilende Bodenverfestigung mit Hochdruckinjektionen (HDI-Schirm 2-3 Reihen Säulen D=600mm)
- b) Einbau Rohrschirm

Schirm aus Jet-Säulen DN 600

Rohrschirm DN 114

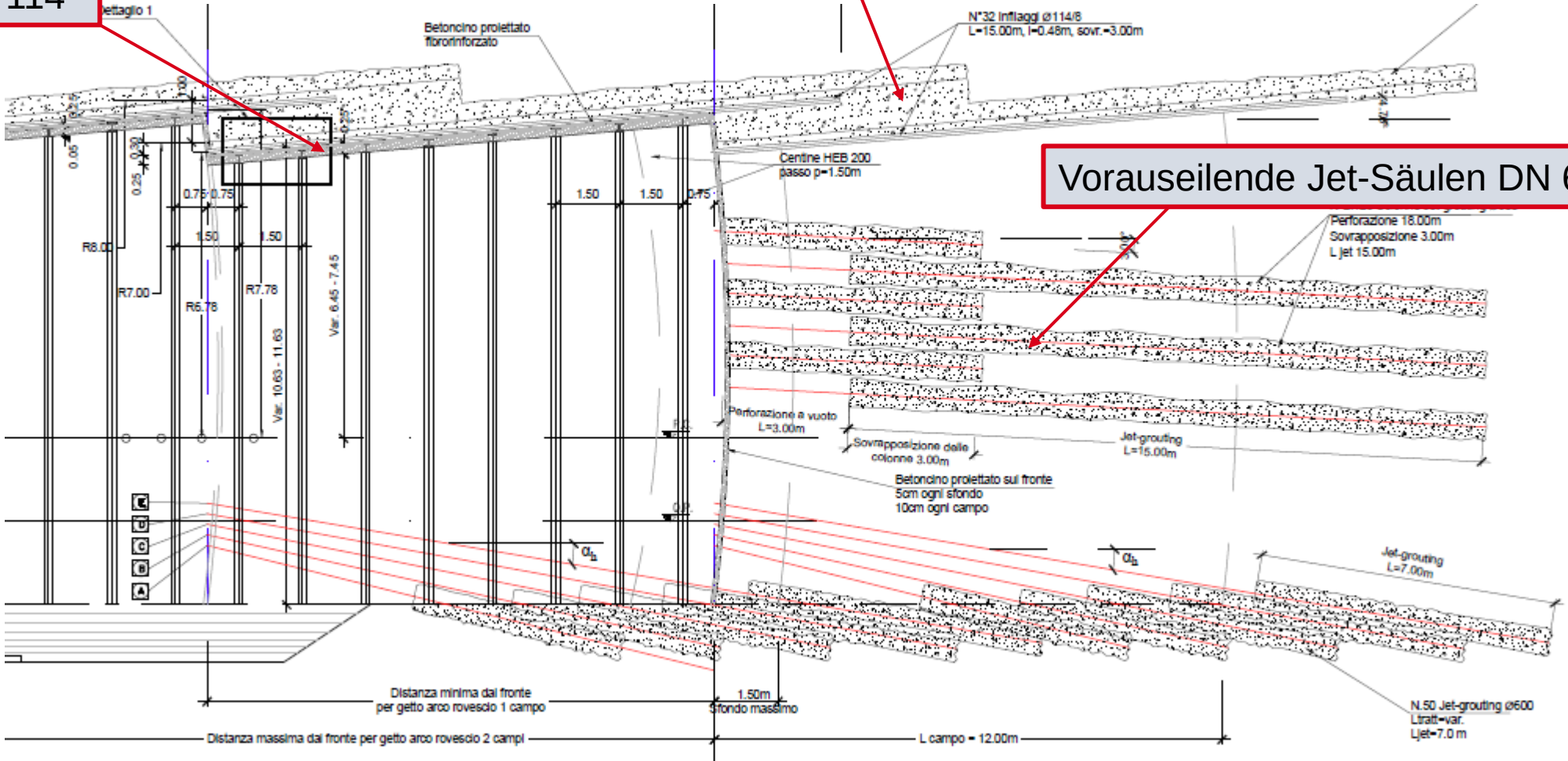
Vorauselende Jet-Säulen DN 600



Rohrschirm DN 114

Schirm aus Jet-Säulen DN 600

Voraussetzungen

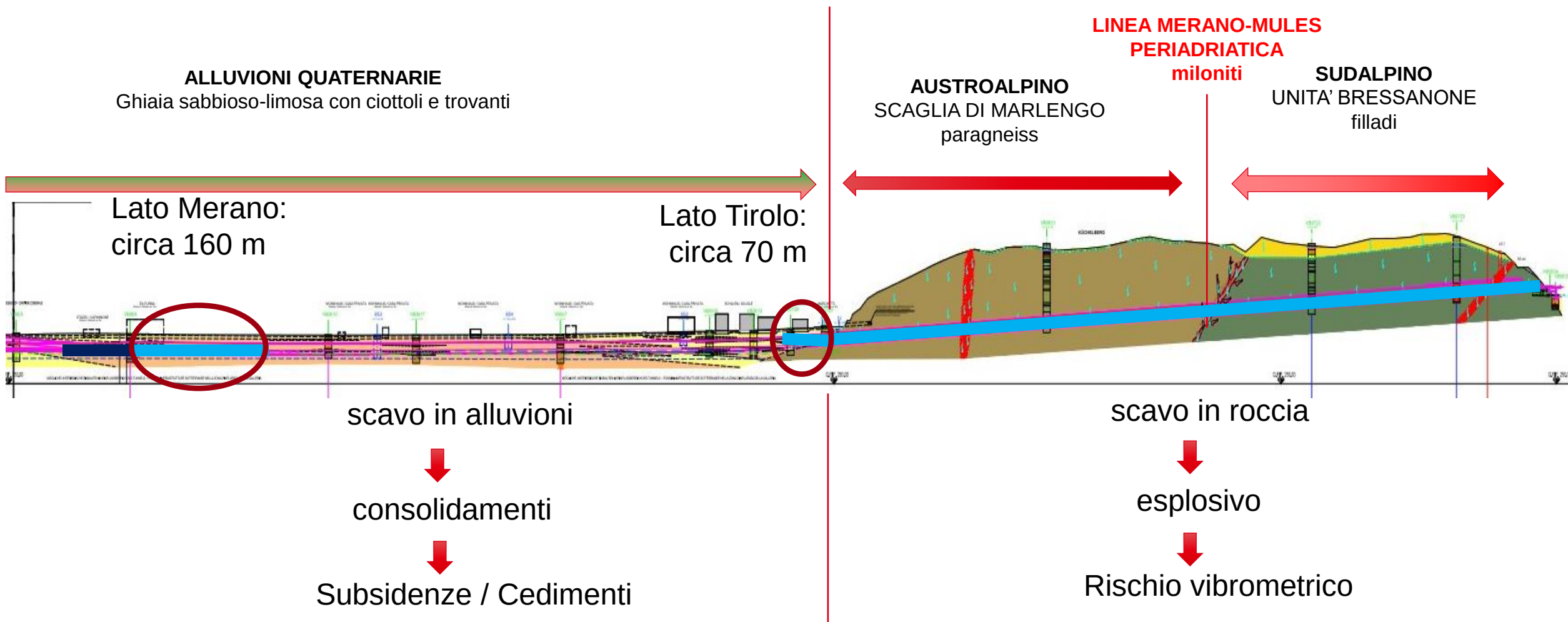




Stadtbereich

Lockermaterial

IL PROFILO GEOLOGICO

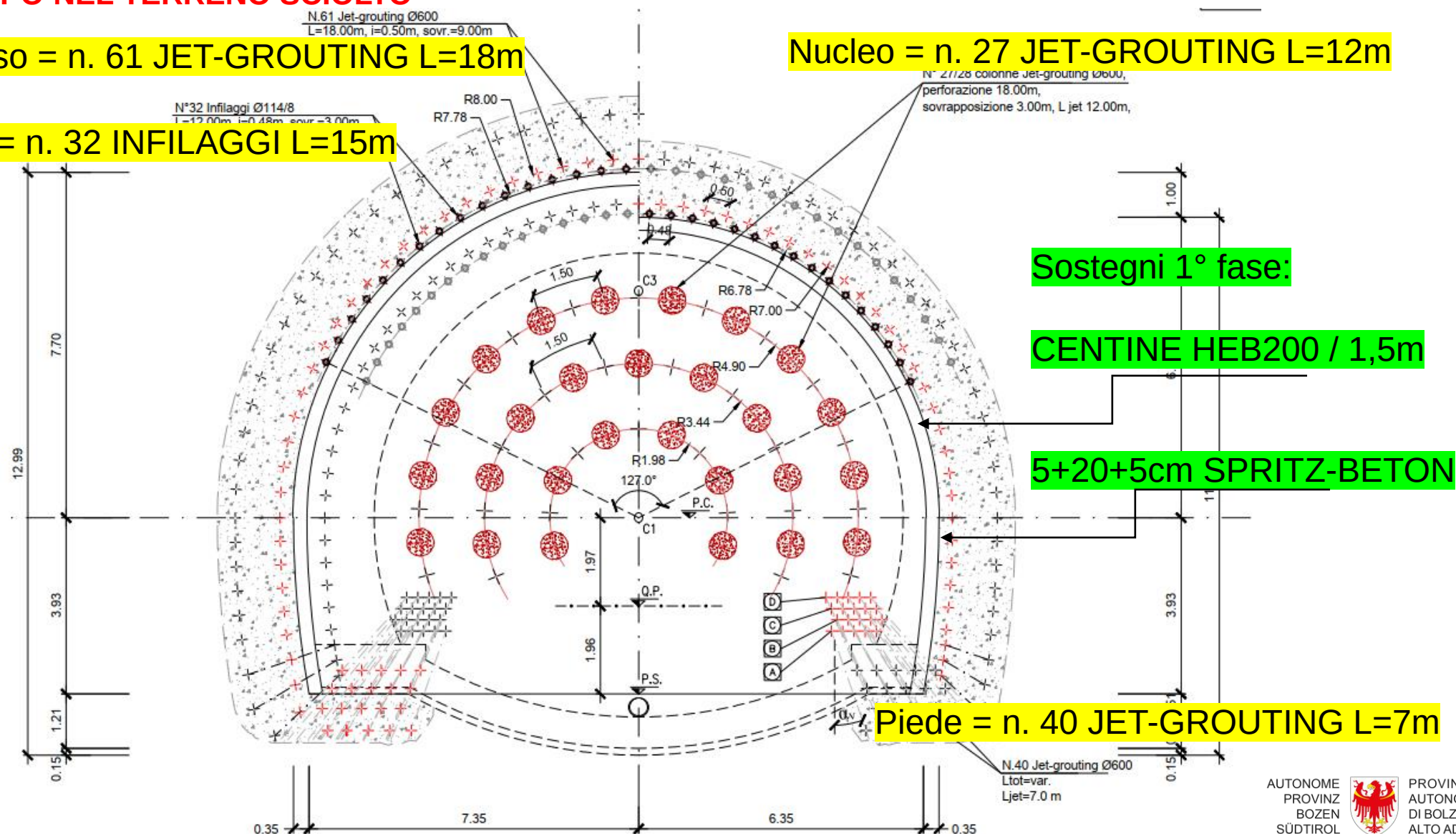


LA SEZIONE TIPO NEL TERRENO SCIOLTO

Estradosso = n. 61 JET-GROUTING L=18m

Corona= n. 32 INFILAGGI L=15m

Nucleo = n. 27 JET-GROUTING L=12m

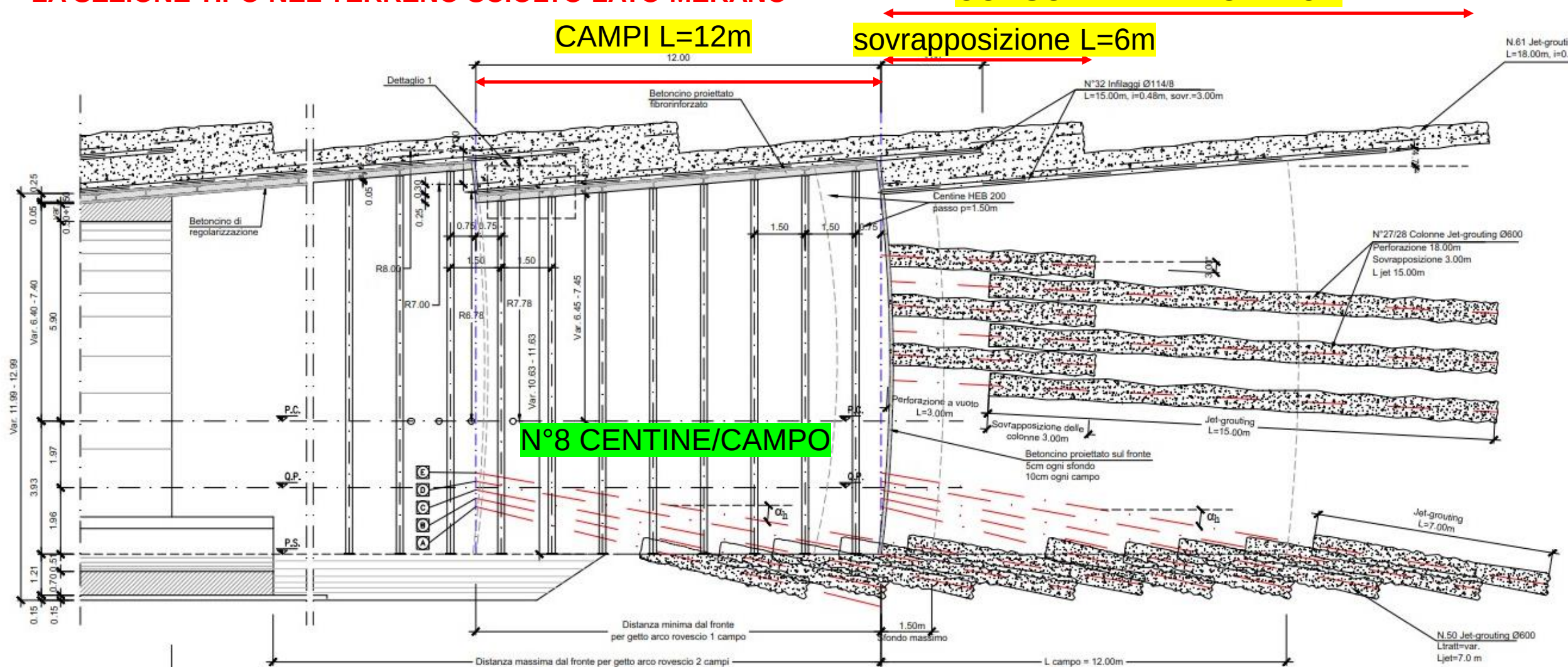


LA SEZIONE TIPO NEL TERRENO SCIOLTO LATO MERANO

CONSOLIDAMENTO L=18m

CAMPI L=12m

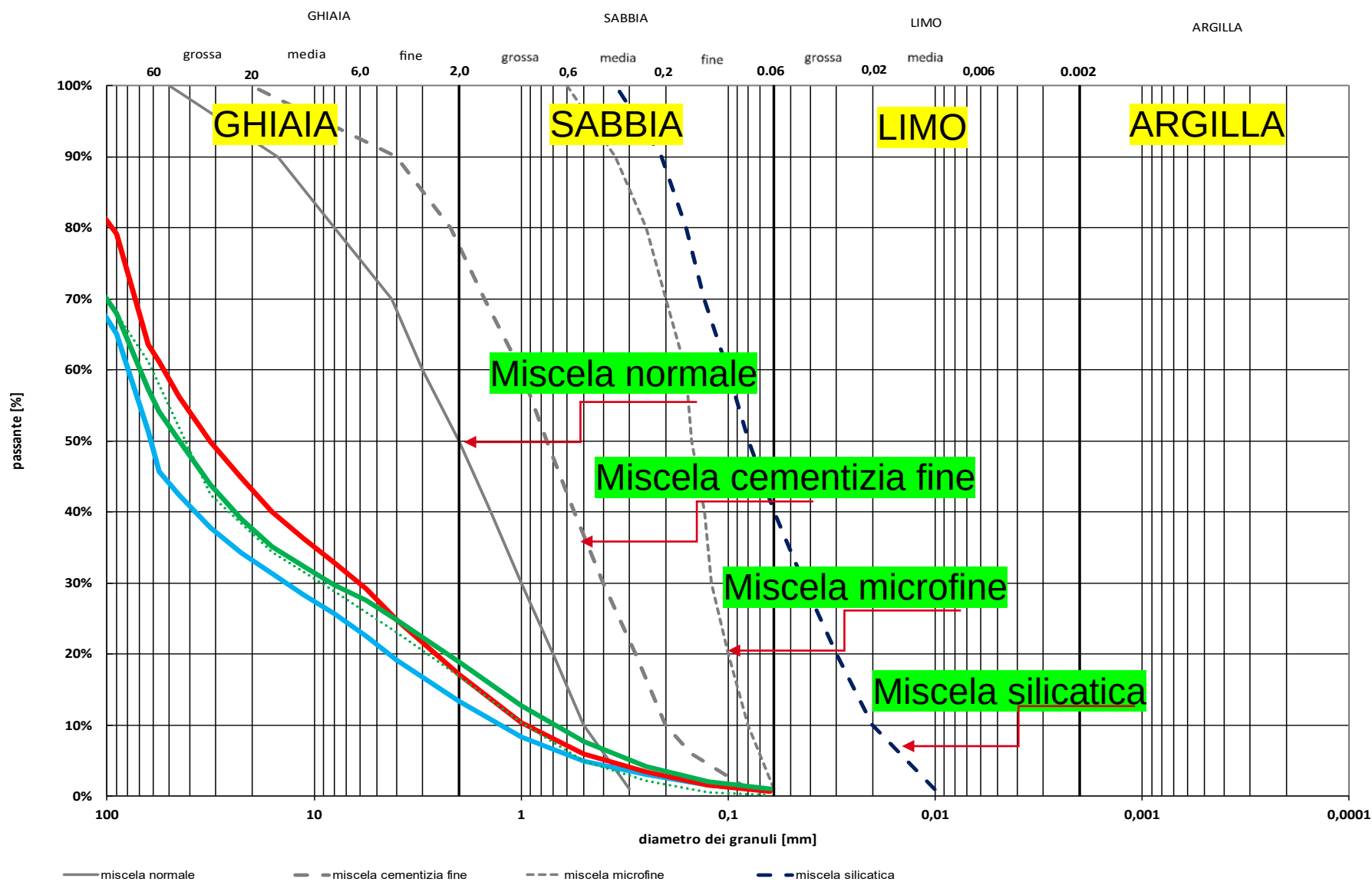
sovrapposizione L=6m



GEOLOGIA LATO MERANO



CURVE GRANULOMETRICHE



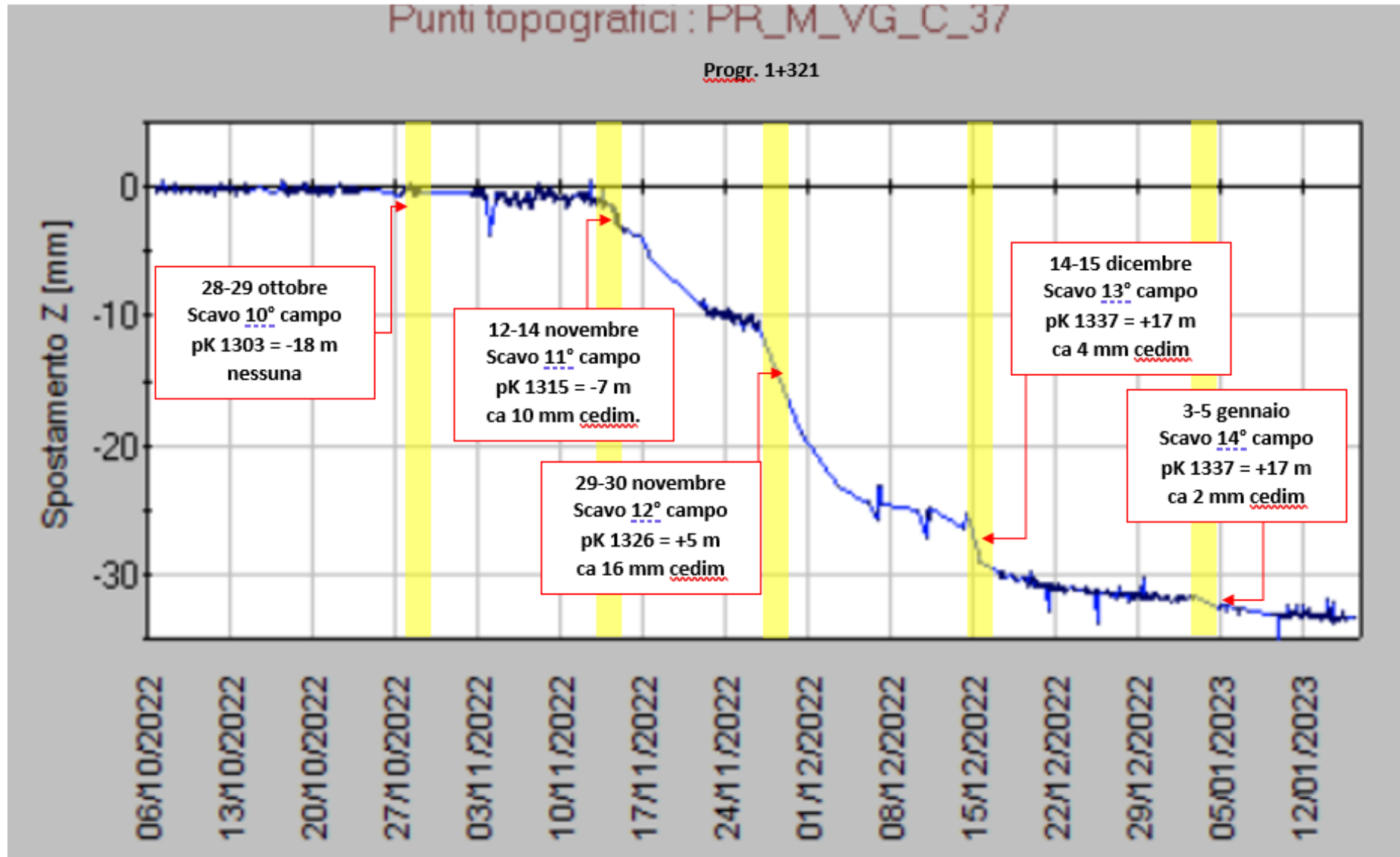
MONITORAGGIO TOPOGRAFICO CON STAZIONE TOTALE



PUNTI DI CONTROLLO IN SUPERFICIE



ANALISI DELLA SUBSIDENZA: EVOLUZIONE NEL TEMPO

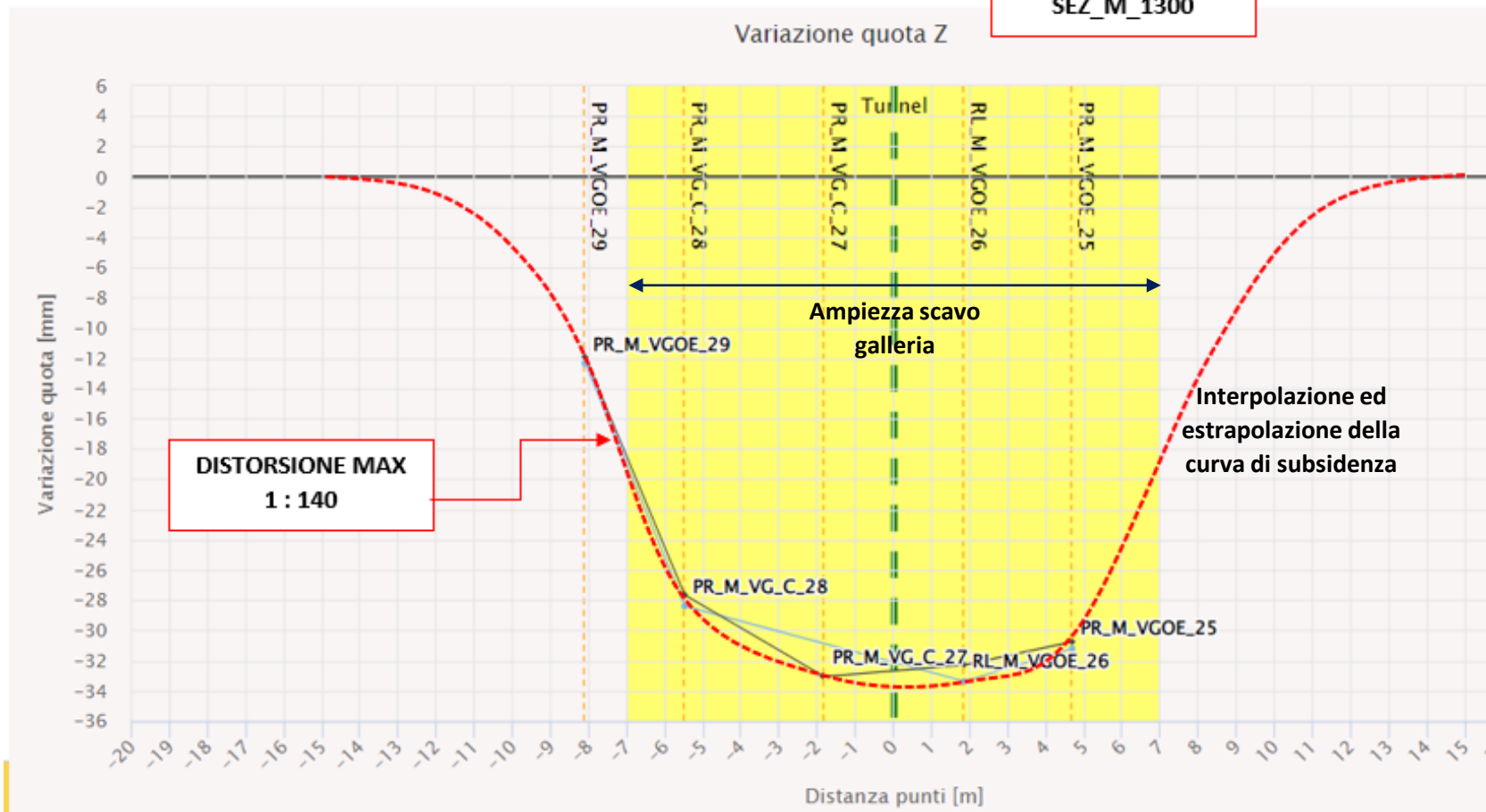


ANALISI DELLA SUBSIDENZA: SEZIONE TRASVERSALE

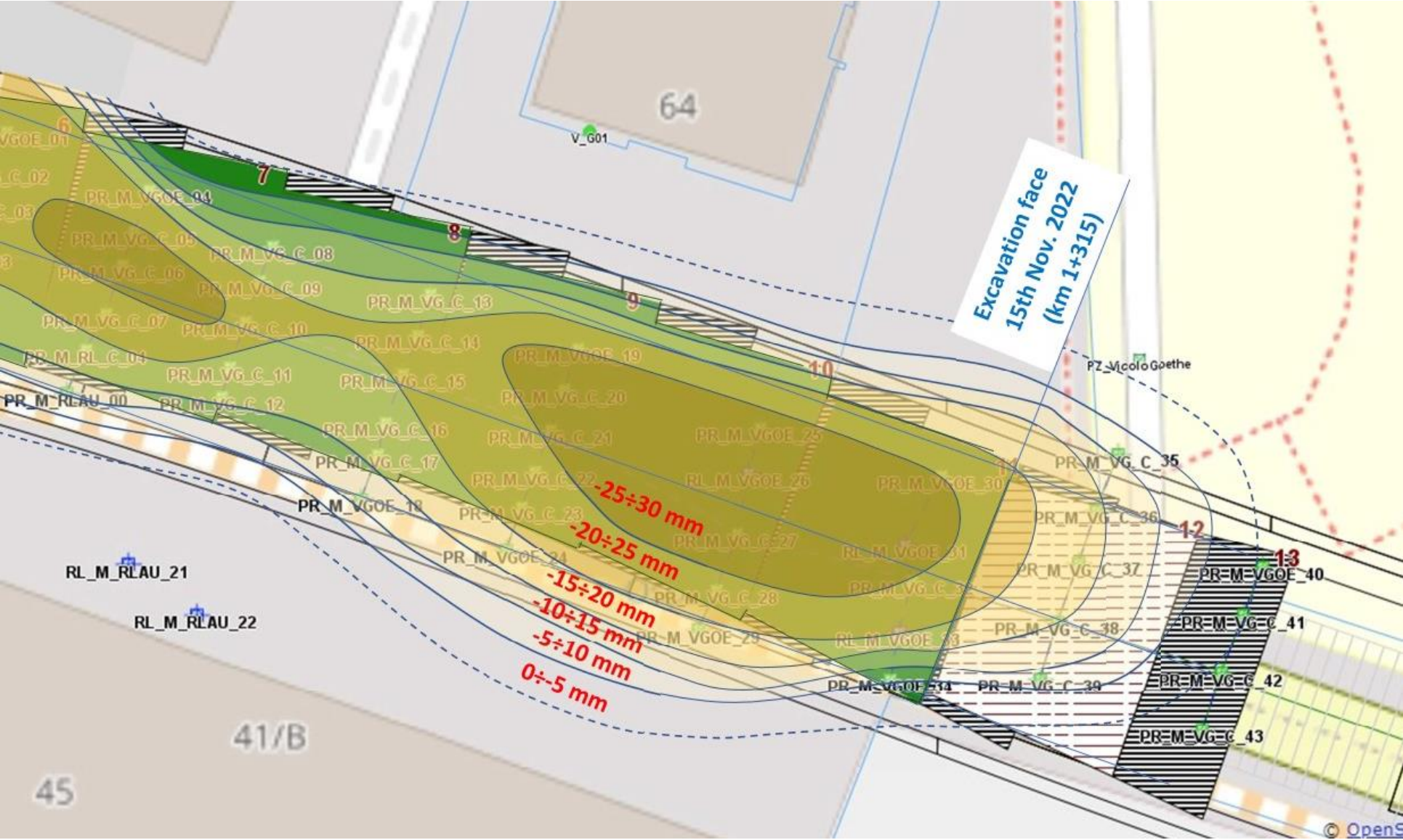
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2022-12-22 02:00:38

GRAFICO
SEZ_M_1300



DELIMITAZIONE BACINO SUBSIDENZA

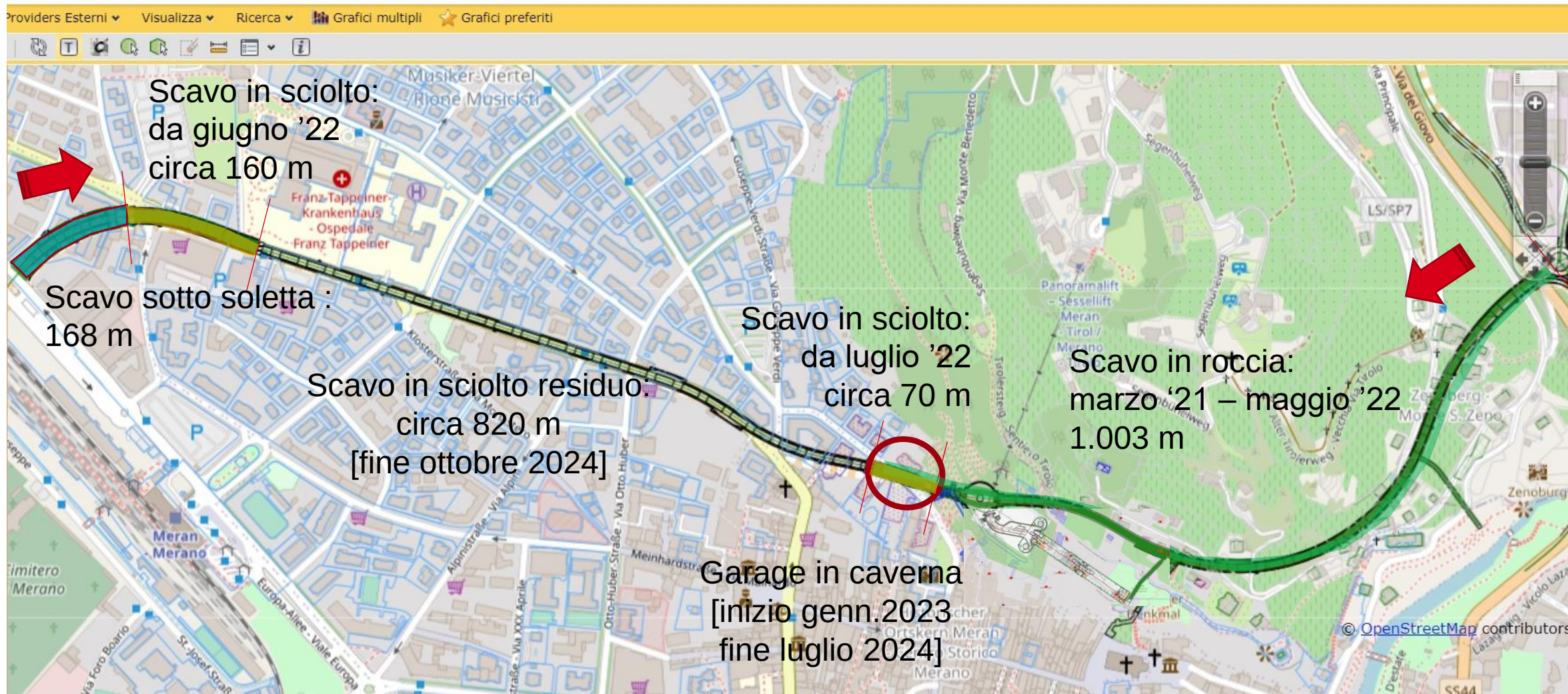


AVANZAMENTI A GENNAIO 2023



Circonvallazione Nord-Ovest

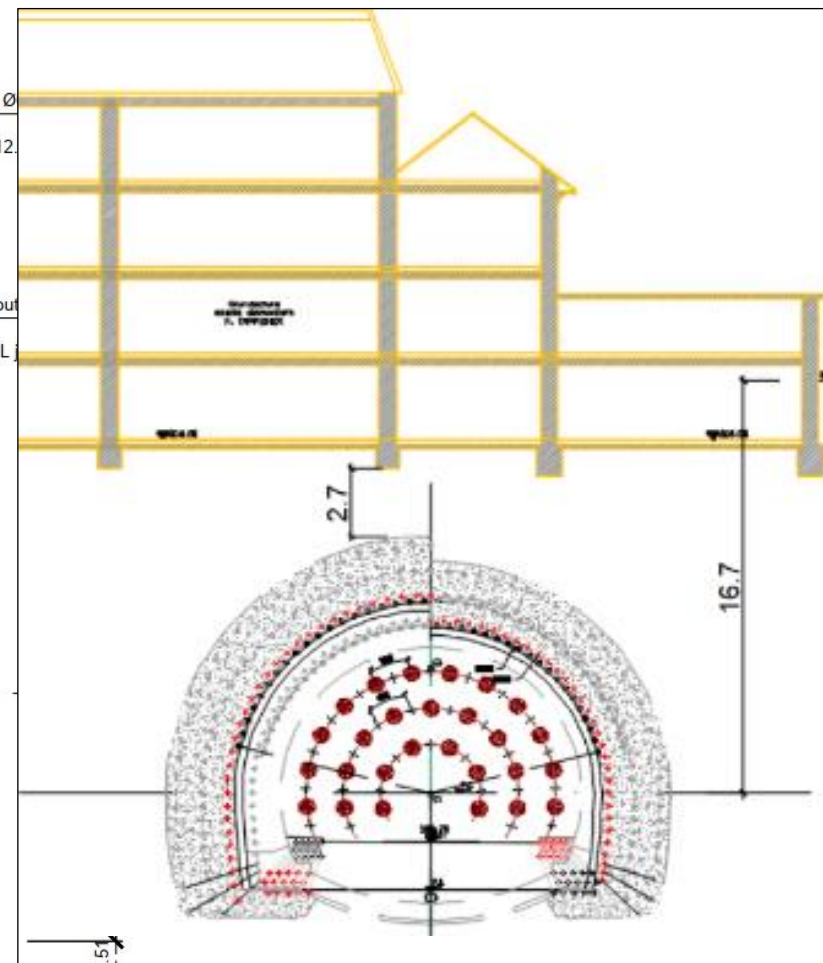
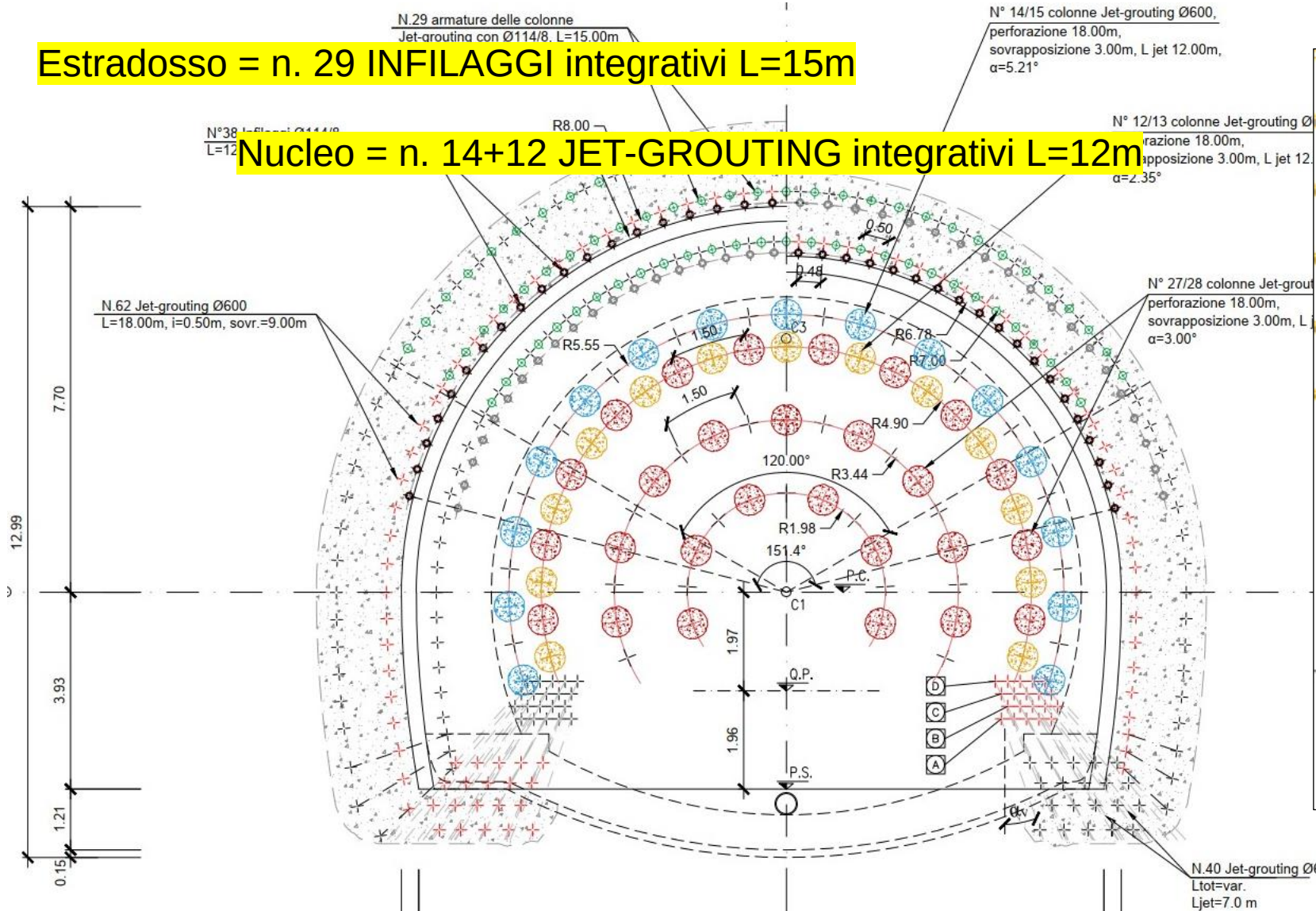
ITA ▼



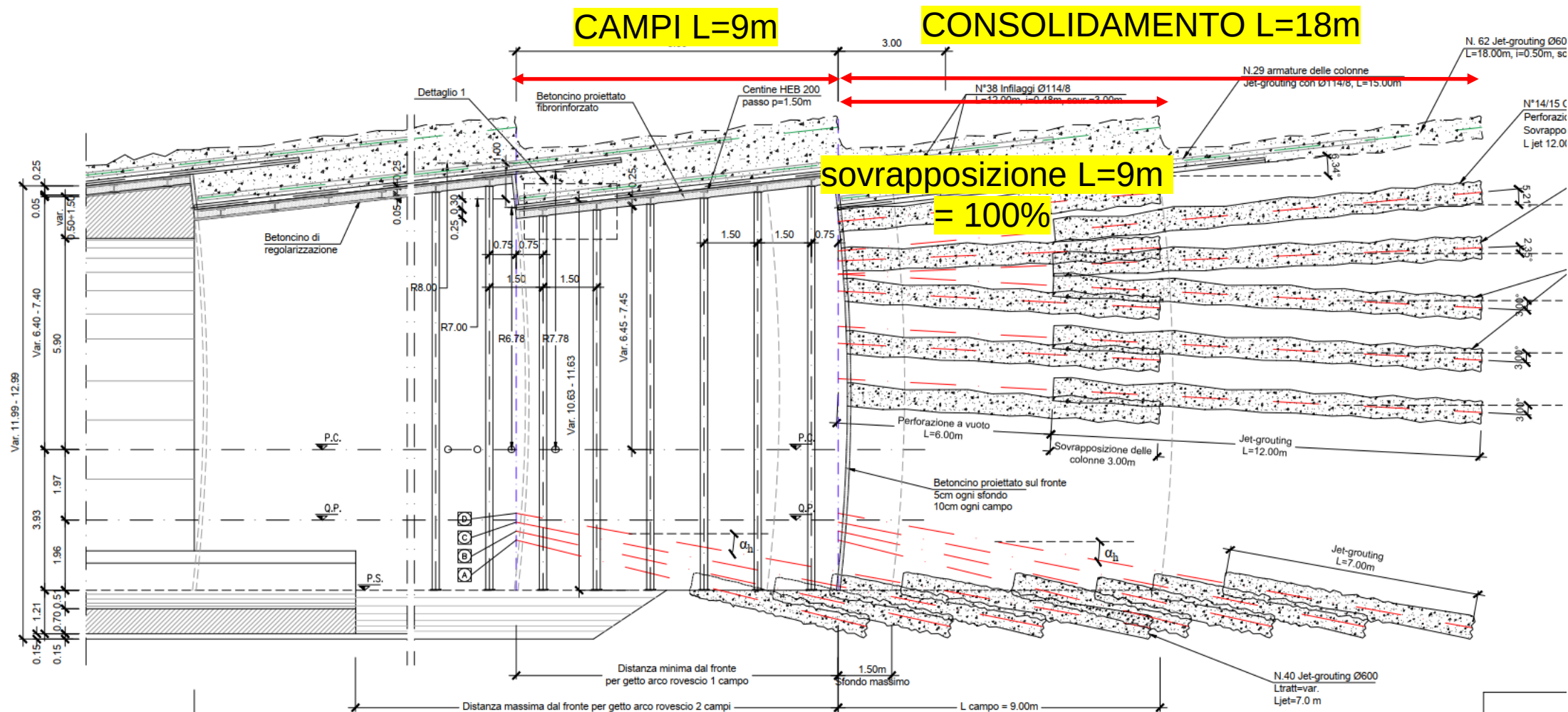
LA SEZIONE TIPO NEL TERRENO SCIOLTO SOTTO I FABBRICATI

Estradosso = n. 29 INFILAGGI integrativi L=15m

Nucleo = n. 14+12 JET-GROUTING integrativi L=12m



LA SEZIONE TIPO NEL TERRENO SCIOLTO SOTTO I FABBRICATI



GEOLOGIA LATO TIROLO



IMPLEMENTO STRUMENTAZIONE



TILTMETRI A
PARETE

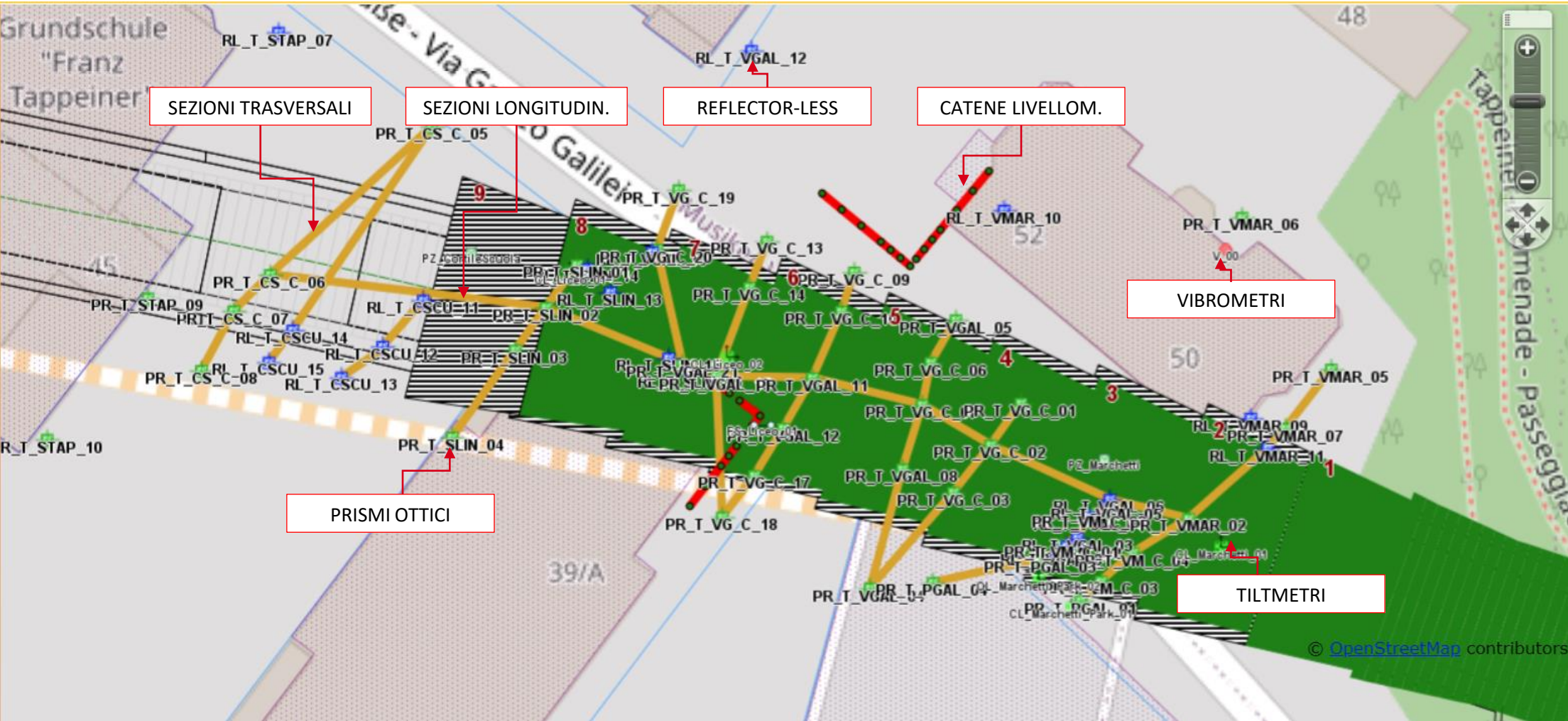


CATENA LIVELLO.
CON ELETTROLIVELLE

FESSURIMETRI

VIBROMETRI
TRIASSIALI

PUNTI DI CONTROLLO IN SUPERFICIE

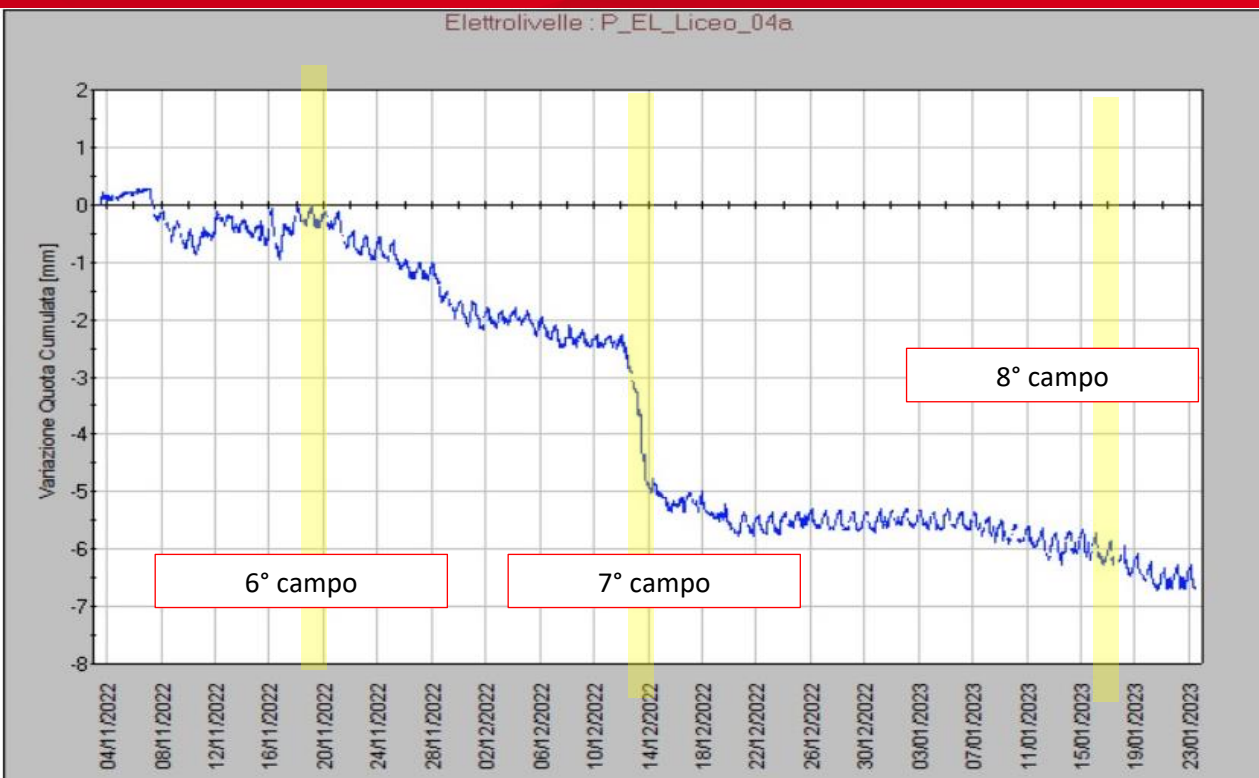
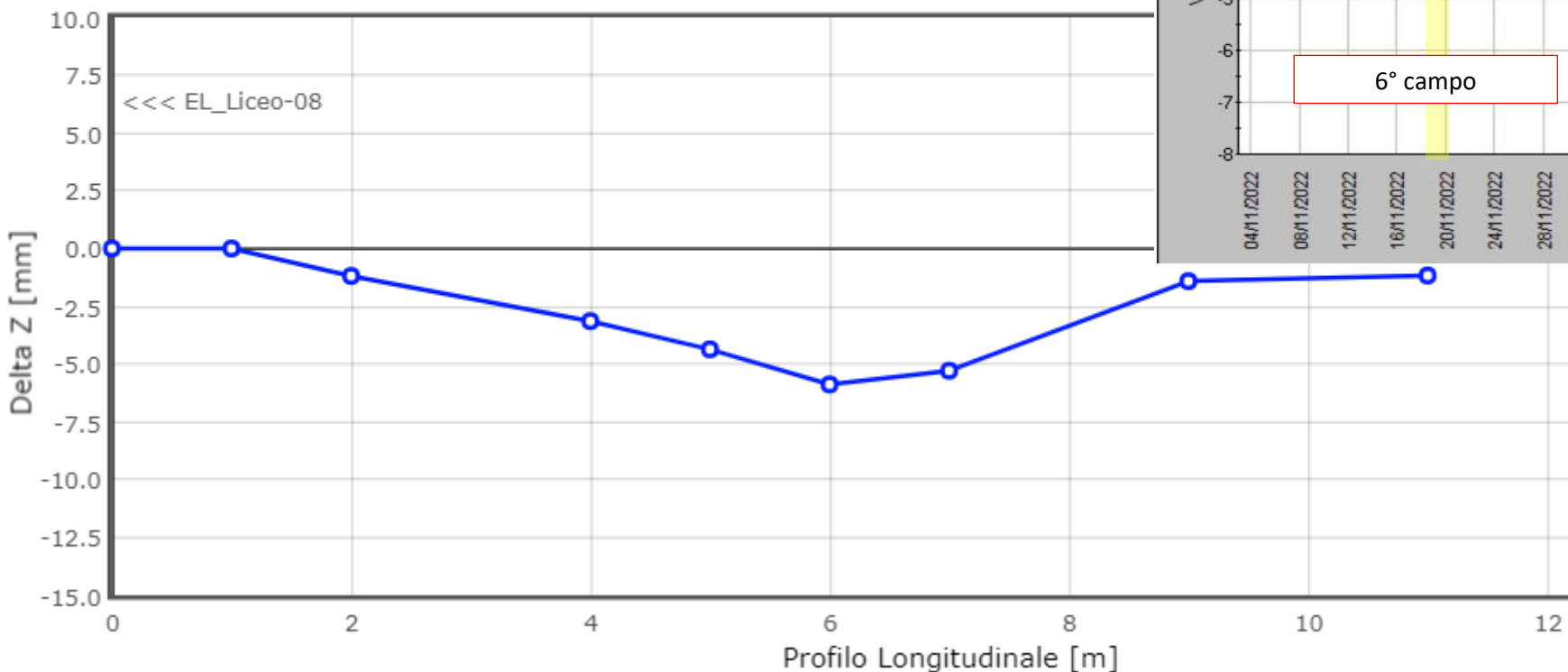


ANALISI DELLA SUBSIDENZA: SEZIONE TRASVERSALE

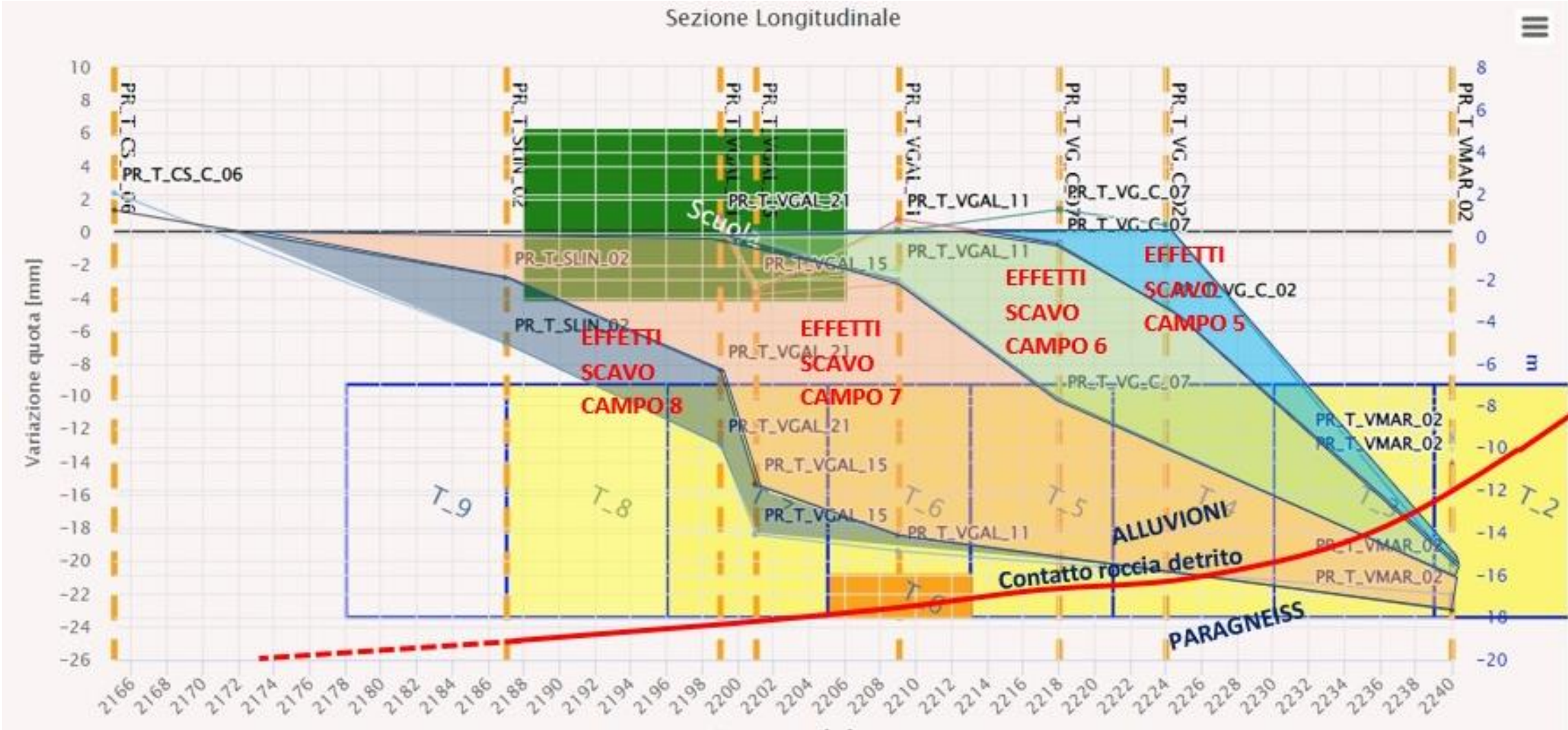
Catena assestimetrica elettrolivelle Liceo

Date: 2023-1-23 10h00

Date: Time : h00



ANALISI DELLA SUBSIDENZA: SEZIONE TRASVERSALE



DANKE FÜR IHRE AUFMERKSAMKEIT!
Grazie per l'attenzione!
GIÜCK AUF!

