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## Particle Size Determination Test

Project: Apartment building "Moonlighting" - Survey for building permit

Test ID: Particle size determination

Project ID: 2022/3548

Supplier: GEO5 Laboratory Ltd.

Customer: Survey ABC Ltd.

Date of measurement: 02.08.2022

Performed by: John Young

### Sample

Field test: BH5

Sample type: undisturbed

Sample index: VA1/1254

Geotechnical type: GT2

Depth from: 7,00 m

Description:

Depth to: 7,80 m

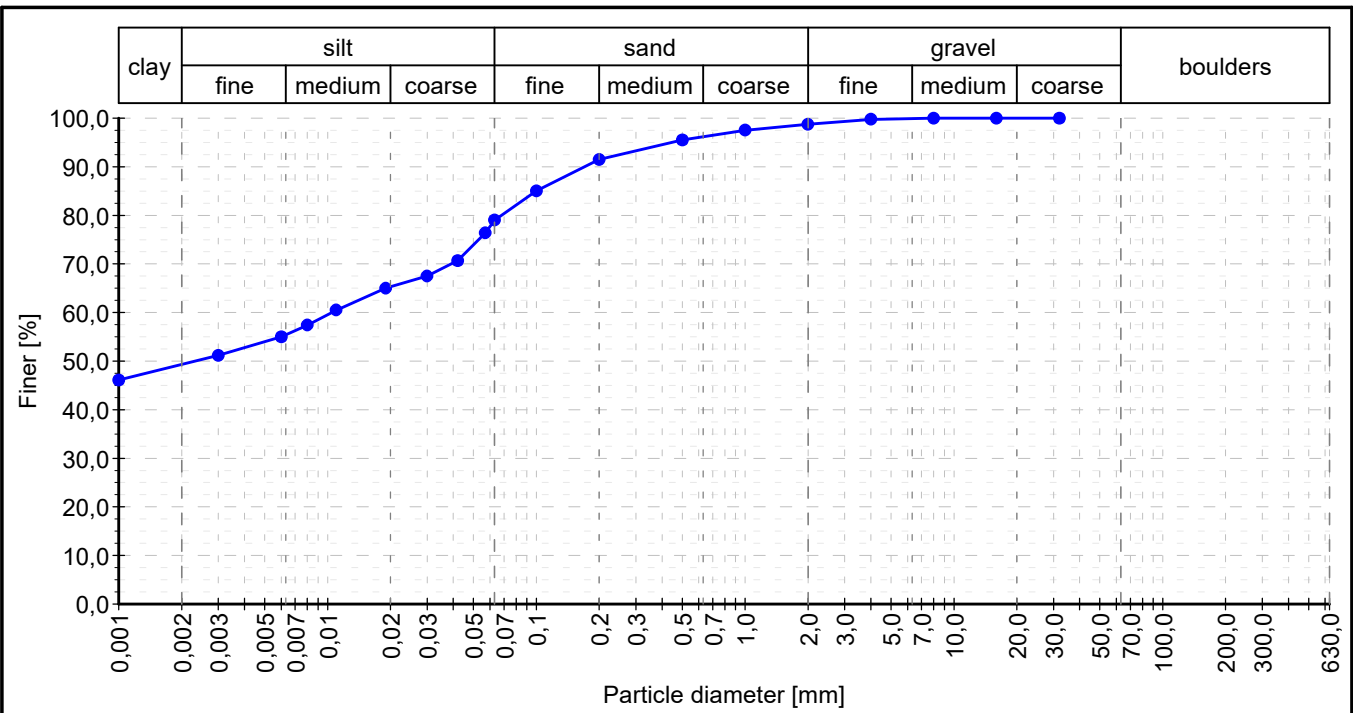
Clay with low plasticity, stiff, gray-blue color

### Specimen

Specimen ID: VA1/1254-1

Depth: 7,40 m

### Measured values and results



Fraction content:	Total weight: 50,00 g
Clay: 48,7 %	Weight check: 49,99 g
Silt: 30,4 %	Check limit: 0,3 %
Sand: 19,7 %	Verification: 0,0 %
Gravel: 1,2 %	Result: Satisfactory
Stones: 0,0 %	

Uniformity coefficient :	Coefficient of curvature :
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Soil class:	CI (EN ISO 14688-2 (2018))
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<b>Notes</b> Specimen supplied by customer. Combined test (sieve analysis + hydrometer test). The sample was prepared and tested in accordance with EN ISO 17892-04.		Stamp and signature
Verified by: Peter Filmer	Date of issue: 18.08.2022	



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## Atterberg Limits

Project: Apartment building "Moonlighting" - Survey for building permit

Test ID: Consistency

Project ID: 2022/3548

Supplier: GEO5 Laboratory Ltd.

Customer: Survey ABC Ltd.

Date of measurement: 17.05.2023

Performed by: John Young

### Sample

Field test: BH5

Sample type: undisturbed

Sample index: VA1/1254

Geotechnical type: GT2

Depth from: 7,00 m

Description:

Depth to: 7,80 m

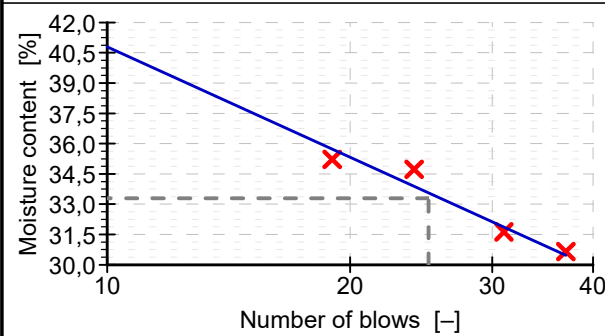
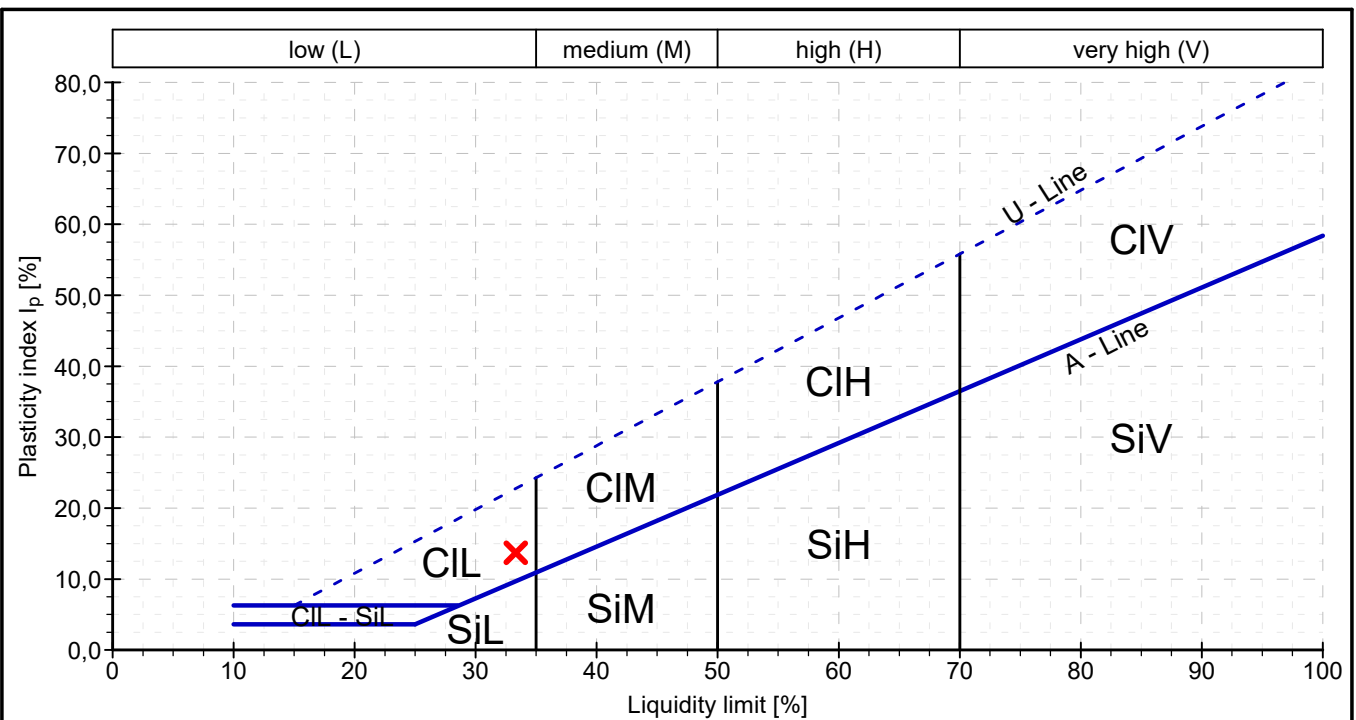
Clay with low plasticity, stiff, gray-blue color

### Specimen

Specimen ID: V1A/1254-3

Depth: 7,20 m

### Measured values and results



<b>Average moisture content:</b> 24,6 %
<b>Liquid limit:</b> 33,3 %
<b>Plastic limit:</b> 19,6 %
<b>Plasticity index <math>I_p</math>:</b> 13,7 %
<b>Liquidity index <math>I_L</math>:</b> 0,36
<b>Consistency index <math>I_c</math>:</b> 0,64
Consistency: <b>firm</b> (EN ISO 14688-2 (2018))
<b>Soil type</b> CIL

### Notes

Specimen supplied by customer.  
Test method: Casagrande.  
Test performed in accordance with EN ISO 17892-12.

Verified by: Peter Filmer

Date of issue: 22.05.2023

Stamp and signature



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## Soil Compaction Test (Proctor modified)

Project: Apartment building "Moonlighting" - Survey for building permit

Test ID: Compaction

Project ID: 2022/3548

Supplier: GEO5 Laboratory Ltd.

Customer: Survey ABC Ltd.

Date of measurement: 12.09.2023

Performed by: John Young

### Sample

Field test: BH7

Sample type: disturbed

Sample index: VA4/A2

Geotechnical type: GT3

Depth from: 9,00 m

Description:

Depth to: 9,90 m

Sandy clay with low plasticity. Grey-brown color.

### Specimen:

Specimen ID: VA4/A2-4

Particle density: 2697,0 kg/m<sup>3</sup>

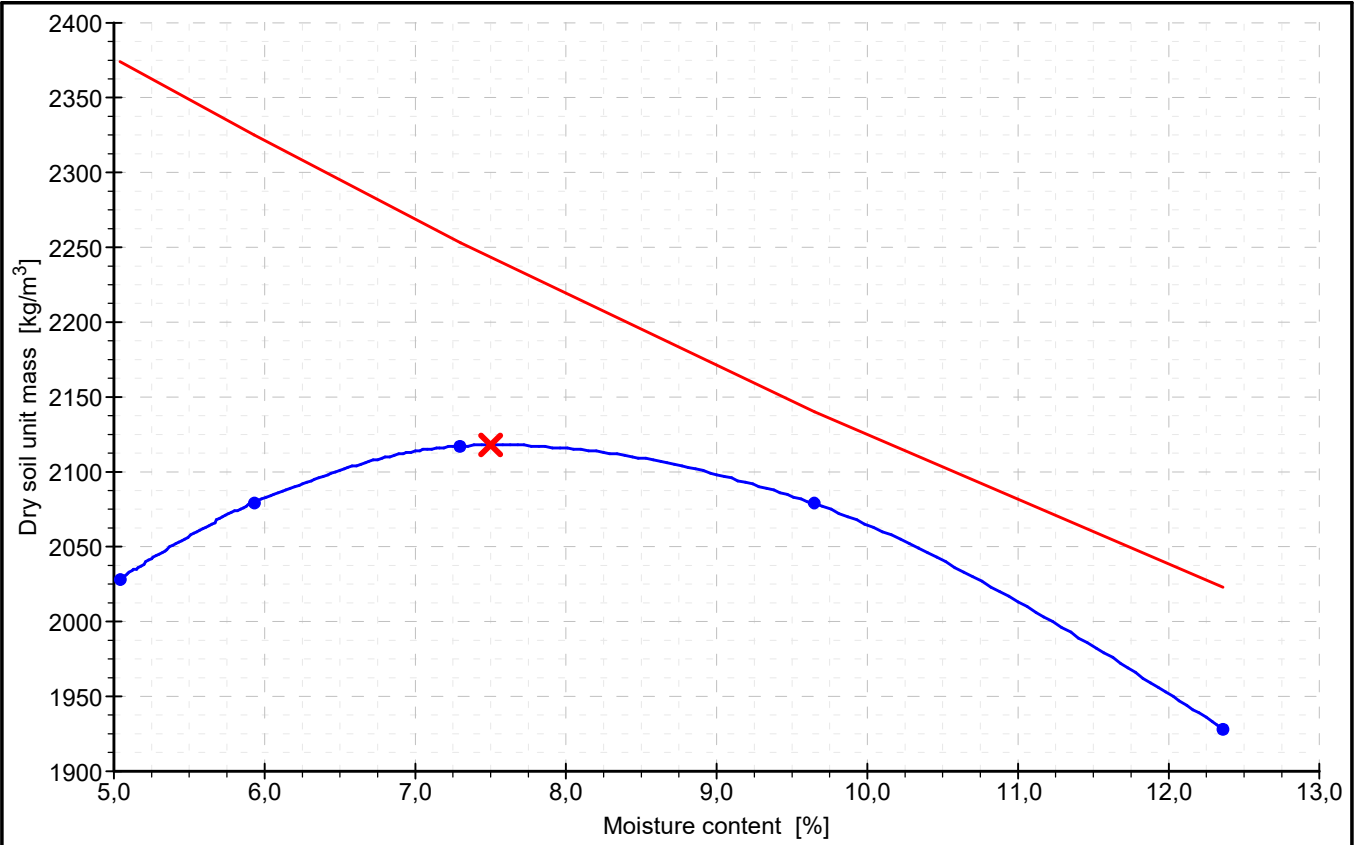
Depth: 9,30 m

### Measured values and results

Type of test: modified

Hammer type: B

Mold type: B



Calculated max. dry soil unit mass: 2118 kg/m<sup>3</sup>

Calculated optimal moisture content: 7,5 %

### Notes

The test was carried out on a specimen supplied by the customer. Specimen prepared and tested in accordance with EN 13286-2 (6.4). Particle density determined by measurement according to EN ISO 17892-03.

Verified by: Peter Filmer

Date of issue: 15.09.2023

Stamp and signature



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## California Bearing Ratio (CBR)

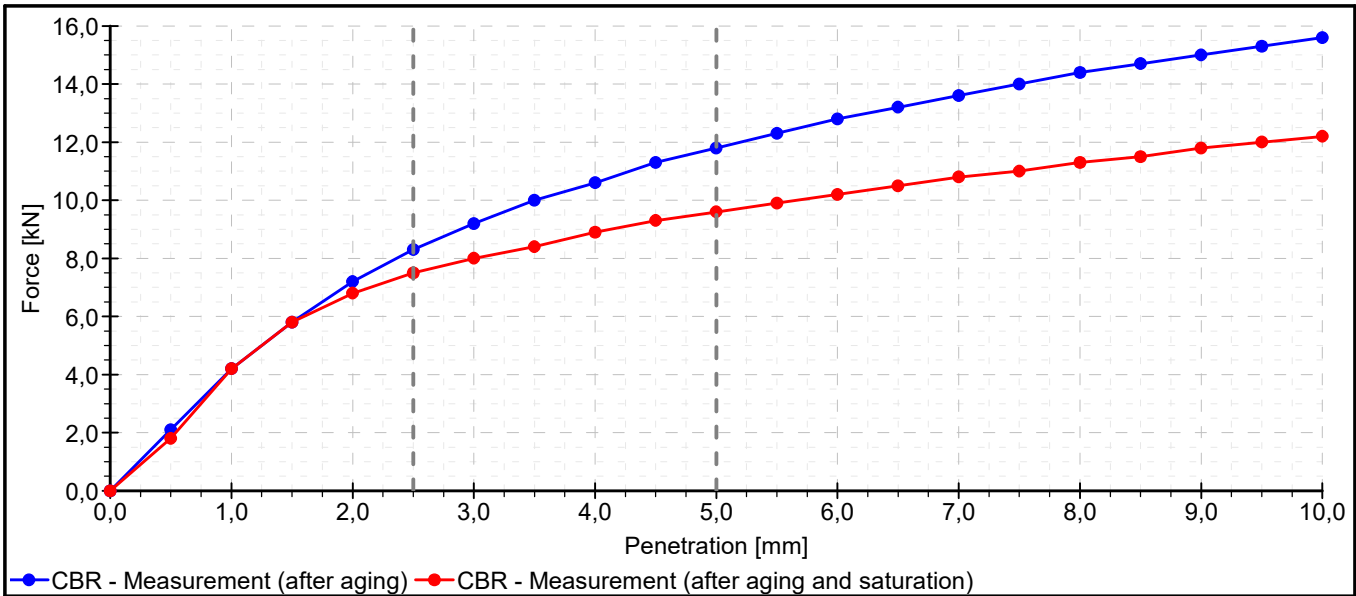
Project: Apartment building "Moonlighting" - Survey for building permit

Test ID: CBR	Project ID: 2022/3548
Supplier: GEO5 Laboratory Ltd.	Customer: Survey ABC Ltd.
Date of measurement: 07.09.2022	Performed by: John Young

<b>Sample</b>	
Field test: BH4	Sample type: disturbed
Sample index: PV2/B4	Geotechnical type: GT4
Depth from: 10,20 m	Description: Well-grained sand. Yellow-brown color. Aged.
Depth to: 10,80 m	

<b>Specimen</b>	
Specimen ID: PV2/B4-5	Additive: 2% Dorosol 50
Depth: 10,60 m	Aging conditions: stored in an impermeable package
Height: 120,12 mm	Specimen aging time: 3 day
Diameter: 150,65 mm	Saturation time: 96 hour
<b>Initial state</b>	<b>State after saturation</b>
Moisture content: 12,9 %	Moisture content: 15,5 %
Wet unit weight: 2053,0 kg/m <sup>3</sup>	Wet unit weight: 2101,0 kg/m <sup>3</sup>
Dry unit mass: 1819,0 kg/m <sup>3</sup>	Dry unit mass: 1819,0 kg/m <sup>3</sup>
Saturation: 72,0 %	Saturation: 86,0 %

### Measured values and results



<b>State after aging</b>	<b>State after saturation</b>
CBR <sub>2,5mm</sub> : 62,9 %	CBR <sub>2,5mm</sub> : 56,8 %
CBR <sub>5mm</sub> : 59,0 %	CBR <sub>5mm</sub> : 48,0 %
CBR: 62,9 %	CBR: 56,8 %

<b>Notes</b>	
Specimen preparation: specimen compacted with 100% PS energy after addition of additive. Compaction of the specimen according to EN 13286-2. Particle density = 2700 kg/m <sup>3</sup> (estimate). Swelling considered relative to the original height of the specimen. Test performed in accordance with EN 13286-47.	
Verified by: Peter Filmer	Date of issue: 16.09.2022
Stamp and signature	

## Permeability Test

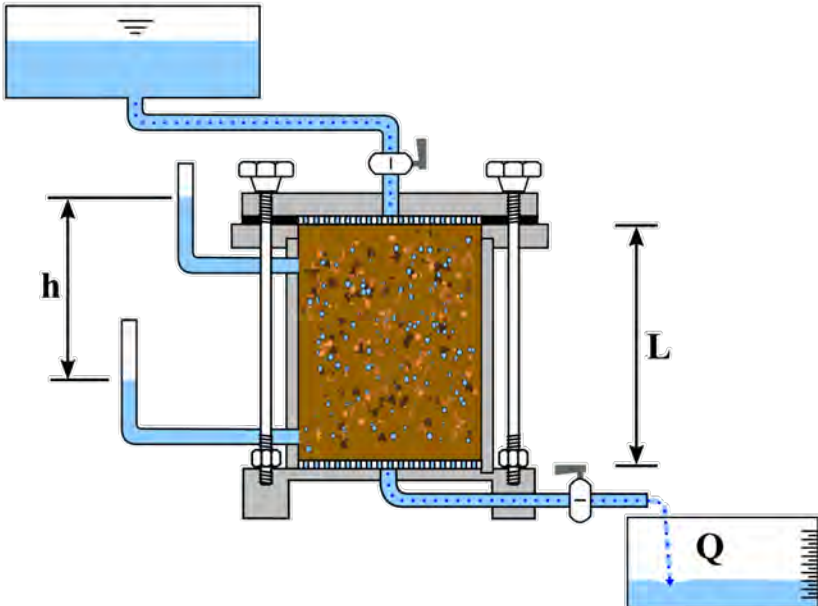
Project: Apartment building "Moonlighting" - Survey for building permit

Test ID: Permeability constant head	Project ID: 2022/3548
Supplier: GEO5 Laboratory Ltd.	Customer: Survey ABC Ltd.
Date of measurement: 04.05.2023	Performed by: John Young

<b>Sample</b>	
Field test: BH7	Sample type: disturbed
Sample index: VA4/A2	Geotechnical type: GT3
Depth from: 9,00 m	Description: Sandy clay with low plasticity. Grey-brown color.
Depth to: 9,90 m	

<b>Specimen</b>	
Specimen ID: VA4/A2-2	Depth: 7,15 m
Specimen length: 75,00 mm	Moisture content: 22,52 %
Specimen diameter: 75,00 mm	Unit weight: 1852,5 kg/m <sup>3</sup>
Specimen area: 4417,86 mm <sup>2</sup>	Dry unit mass: 1512,0 kg/m <sup>3</sup>

<b>Measured values</b>
Type of test: Constant head

	<b>Measurement Nr.</b>	<b>Permeability [m/s]</b>
	1A	4,38E-04
	2A	4,78E-04
	1B	4,32E-04
	2B	4,63E-04

<b>Results</b>
Average permeability: 4,53E-04 m/s

<b>Notes</b>		Stamp and signature
Specimen supplied by customer. Test performed in accordance with EN ISO 17892-11.		
Verified by: Peter Filmer	Date of issue: 17.05.2023	

## Permeability Test

Project: Apartment building "Moonlighting" - Survey for building permit

Test ID: Permeability falling head	Project ID: 2022/3548
Supplier: GEO5 Laboratory Ltd.	Customer: Survey ABC Ltd.
Date of measurement: 04.05.2023	Performed by: John Young

<b>Sample</b>	
Field test: BH5	Sample type: undisturbed
Sample index: VA1/1254	Geotechnical type: GT2
Depth from: 7,00 m	Description: Clay with low plasticity, stiff, gray-blue color
Depth to: 7,80 m	

<b>Specimen</b>	
Specimen ID: VA1/1254-6	Depth: 7,60 m
Specimen length: 115,00 mm	Moisture content: 24,70 %
Specimen diameter: 100,00 mm	Unit weight: 1817,0 kg/m <sup>3</sup>
Specimen area: 7853,98 mm <sup>2</sup>	Dry unit mass: 1457,0 kg/m <sup>3</sup>

<b>Measured values</b>
Type of test: Falling head

	<b>Measurement Nr.</b>	<b>Permeability [m/s]</b>
	1A	2,28E-06
	1B	1,37E-06
	1C	1,08E-06

<b>Results</b>
<b>Average permeability: 1,58E-06 m/s</b>

<b>Notes</b>		Stamp and signature
Specimen supplied by customer. Test performed in accordance with EN ISO 17892-11.		
Verified by: Peter Filmer	Date of issue: 17.05.2023	

### Oedometer Test

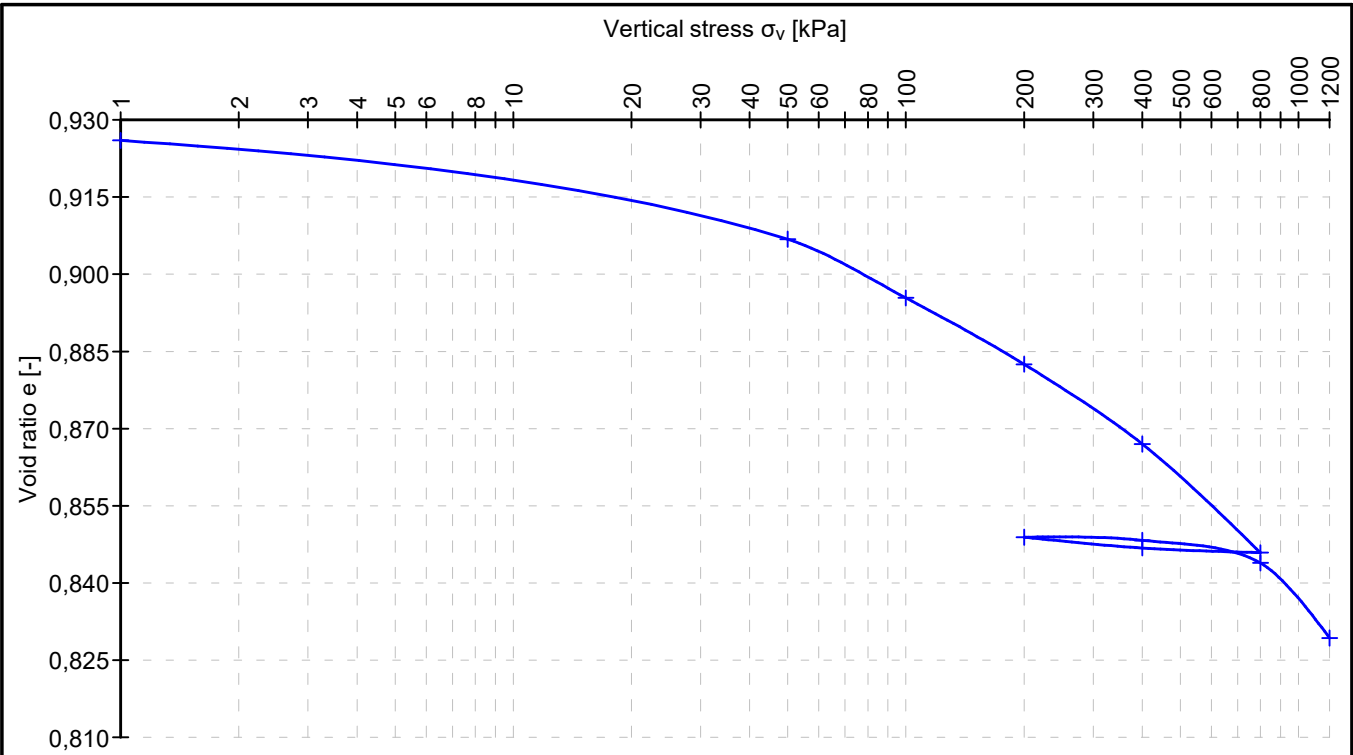
Project: Apartment building "Moonlighting" - Survey for building permit

Test ID: Oedometer	Project ID: 2022/3548
Supplier: GEO5 Laboratory Ltd.	Customer: Survey ABC Ltd.
Date of measurement: 04.04.2023	Performed by: John Young

<b>Sample</b>	
Field test: BH4	Sample type: disturbed
Sample index: PV2/B4	Geotechnical type: GT4
Depth from: 10,20 m	Description: Well-grained sand. Yellow-brown color. Aged.
Depth to: 10,80 m	

<b>Specimen</b>	
Specimen ID: PV2/B4-1A	Depth: 10,35 m
	<b>Before test</b> <b>After test</b>
Height [mm]	30,00      28,49
Diameter [mm]	120,00
Particle density [kg/m <sup>3</sup> ]	2645,0
Void ratio [-]	0,926      0,829

**Naměřené hodnoty a výsledky**



Load step	Vertical stress $\sigma_v$ [kPa]	Vertical Strain $\epsilon_v$ [%]	Void ratio $e$ [-]	Oedometric modulus $E_{oed}$ [MPa]	Volumetric compression coefficient $m_v$ [1/MPa]	Compression index $C_c$ [-]	Recompression index $C_r$ [-]
NaN - 0	0,000	0,000	0,926				
0 - 50	50,000	0,997	0,907	5,02	0,1992	0,002	
50 - 100	100,000	1,590	0,895	8,43	0,1186	0,040	
100 - 200	200,000	2,257	0,883	14,99	0,0667	0,040	
200 - 400	400,000	3,063	0,867	24,81	0,0403	0,053	
400 - 800	800,000	4,157	0,846	36,56	0,0274	0,070	
800 - 400	400,000	4,113	0,847				0,003
400 - 200	200,000	4,003	0,849				0,007
200 - 400	400,000	4,033	0,848				0,003

Load step	Vertical stress $\sigma_v$ [kPa]	Vertical Strain $\varepsilon_v$ [%]	Void ratio $e$ [-]	Oedometric modulus $E_{oed}$ [MPa]	Volumetric compression coefficient $m_v$ [1/MPa]	Compression index $C_c$ [-]	Recompression index $C_r$ [-]
400 - 800	800,000	4,263	0,844				0,013
800 - 1200	1200,000	5,020	0,829	52,84	0,0189	0,085	

<b>Notes</b> Specimen supplied by customer. Test performed in accordance with EN ISO 17892-05.		Razítko a podpis
<b>Verified by:</b> Peter Filmer	<b>Date of issue:</b> 21.04.2023	



## Shear Box Test

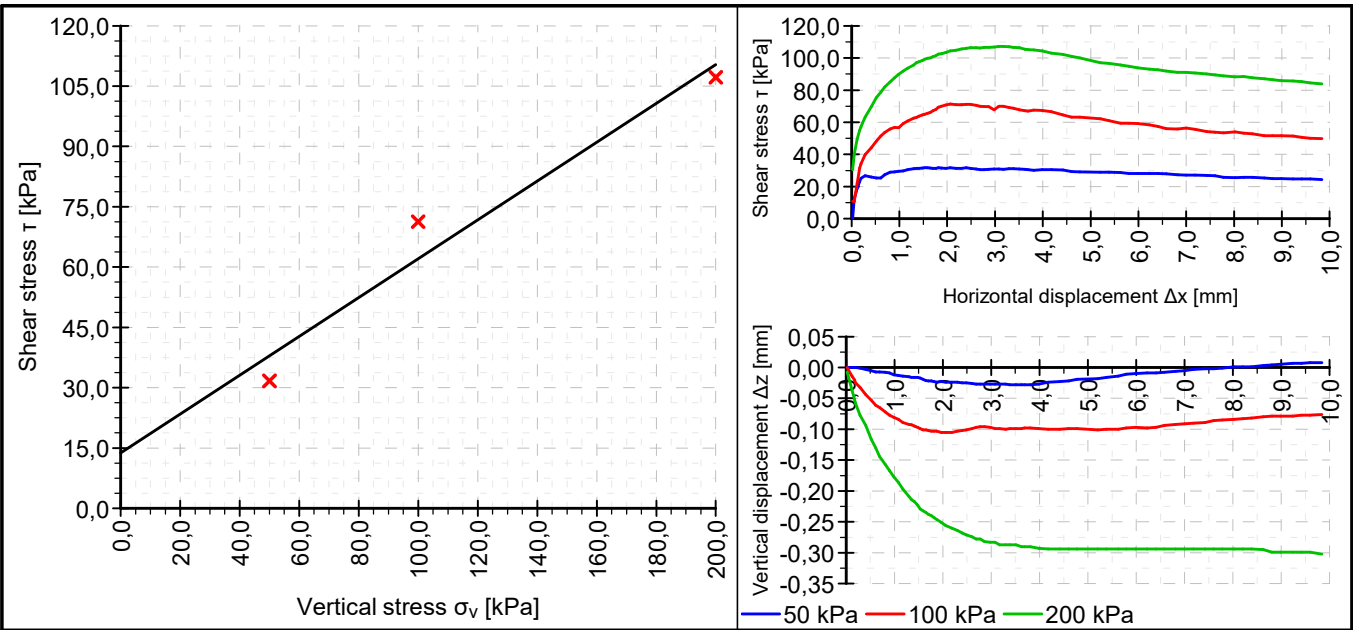
Project: Apartment building "Moonlighting" - Survey for building permit

Test ID: Shear box test	Project ID: 2022/3548
Supplier: GEO5 Laboratory Ltd.	Customer: Survey ABC Ltd.
Date of measurement: 27.03.2023	Performed by: John Young

<b>Sample</b>	
Field test: BH5	Sample type: undisturbed
Sample index: VA1/1254	Geotechnical type: GT2
Depth from: 7,00 m	Description: Clay with low plasticity, stiff, gray-blue color
Depth to: 7,80 m	

<b>Specimen</b>																																														
Specimen ID: VA1/1254-12	Consolidation time: 24,0 hour																																													
Depth: 7,35 m	Shear rate: 0,001 mm/min																																													
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 15%;">Before test</th> <th style="width: 15%;">Specimen Nr. 1</th> <th style="width: 15%;">Specimen Nr. 2</th> <th style="width: 15%;">Specimen Nr. 3</th> </tr> </thead> <tbody> <tr> <td>Dimensions (width/height) [mm]</td> <td style="text-align: center;">-</td> <td style="text-align: center;">60,00 / 21,00</td> <td style="text-align: center;">60,00 / 21,00</td> <td style="text-align: center;">60,00 / 21,00</td> </tr> <tr> <td>Moisture content [%]</td> <td style="text-align: center;">22,45</td> <td style="text-align: center;">24,40</td> <td style="text-align: center;">24,30</td> <td style="text-align: center;">22,10</td> </tr> <tr> <td>Consolidation (before test) [mm]</td> <td style="text-align: center;">-</td> <td style="text-align: center;">0,210</td> <td style="text-align: center;">0,550</td> <td style="text-align: center;">1,170</td> </tr> <tr> <td>Vertical stress [kPa]</td> <td style="text-align: center;">-</td> <td style="text-align: center;">50</td> <td style="text-align: center;">100</td> <td style="text-align: center;">200</td> </tr> <tr> <td>Max. shear stress [kPa]</td> <td style="text-align: center;">-</td> <td style="text-align: center;">31,7</td> <td style="text-align: center;">71,3</td> <td style="text-align: center;">107,2</td> </tr> <tr> <td>Wet unit weight [kg/m<sup>3</sup>]</td> <td style="text-align: center;">1802,0</td> <td style="text-align: center;">1848,0</td> <td style="text-align: center;">1921,0</td> <td style="text-align: center;">1967,0</td> </tr> <tr> <td>Dry unit mass [kg/m<sup>3</sup>]</td> <td style="text-align: center;">1472,2</td> <td style="text-align: center;">1485,5</td> <td style="text-align: center;">1545,4</td> <td style="text-align: center;">1610,9</td> </tr> <tr> <td>Displacement at failure [mm]</td> <td style="text-align: center;">-</td> <td style="text-align: center;">1,530</td> <td style="text-align: center;">2,061</td> <td style="text-align: center;">3,080</td> </tr> </tbody> </table>		Before test	Specimen Nr. 1	Specimen Nr. 2	Specimen Nr. 3	Dimensions (width/height) [mm]	-	60,00 / 21,00	60,00 / 21,00	60,00 / 21,00	Moisture content [%]	22,45	24,40	24,30	22,10	Consolidation (before test) [mm]	-	0,210	0,550	1,170	Vertical stress [kPa]	-	50	100	200	Max. shear stress [kPa]	-	31,7	71,3	107,2	Wet unit weight [kg/m <sup>3</sup> ]	1802,0	1848,0	1921,0	1967,0	Dry unit mass [kg/m <sup>3</sup> ]	1472,2	1485,5	1545,4	1610,9	Displacement at failure [mm]	-	1,530	2,061	3,080
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Displacement at failure [mm]	-	1,530	2,061	3,080																																										

**Measured values and results**



<b>Test results:</b>	<b>Angle of internal friction <math>\phi_{ef}</math> [°]</b>	<b>Cohesion <math>c_{ef}</math> [kPa]</b>
<b>Peak values:</b>	<b>25,8</b>	<b>13,8</b>

<b>Notes</b>		Stamp and signature
<p>Specimens were flooded with water during the test. Moisture content indicated for the test specimens is after the end of the test (moisture content determined according to EN ISO 17892-01).</p> <p>Specimen supplied by the customer, test results refer to the sample as received. Test equipment: hydraulic shear device. Test performed in accordance with EN ISO 17892-10.</p>		
Verified by: Peter Filmer	Date of issue: 28.03.2023	



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## Uniaxial Compression Test (Soil)

Project: Apartment building "Moonlighting" - Survey for building permit

Test ID: 1D compression (soil)

Project ID: 2022/3548

Supplier: GEO5 Laboratory Ltd.

Customer: Survey ABC Ltd.

Date of measurement: 14.09.2022

Performed by: John Young

### Sample

Field test: BH5

Sample type: undisturbed

Sample index: VA1/1254

Geotechnical type: GT2

Depth from: 7,00 m

Description:

Depth to: 7,80 m

Clay with low plasticity, stiff, gray-blue color

### Specimen

Specimen ID: VA1/1254-1

Weight: 336,54 g

Depth: 7,10 m

Moisture content: 22,40 %

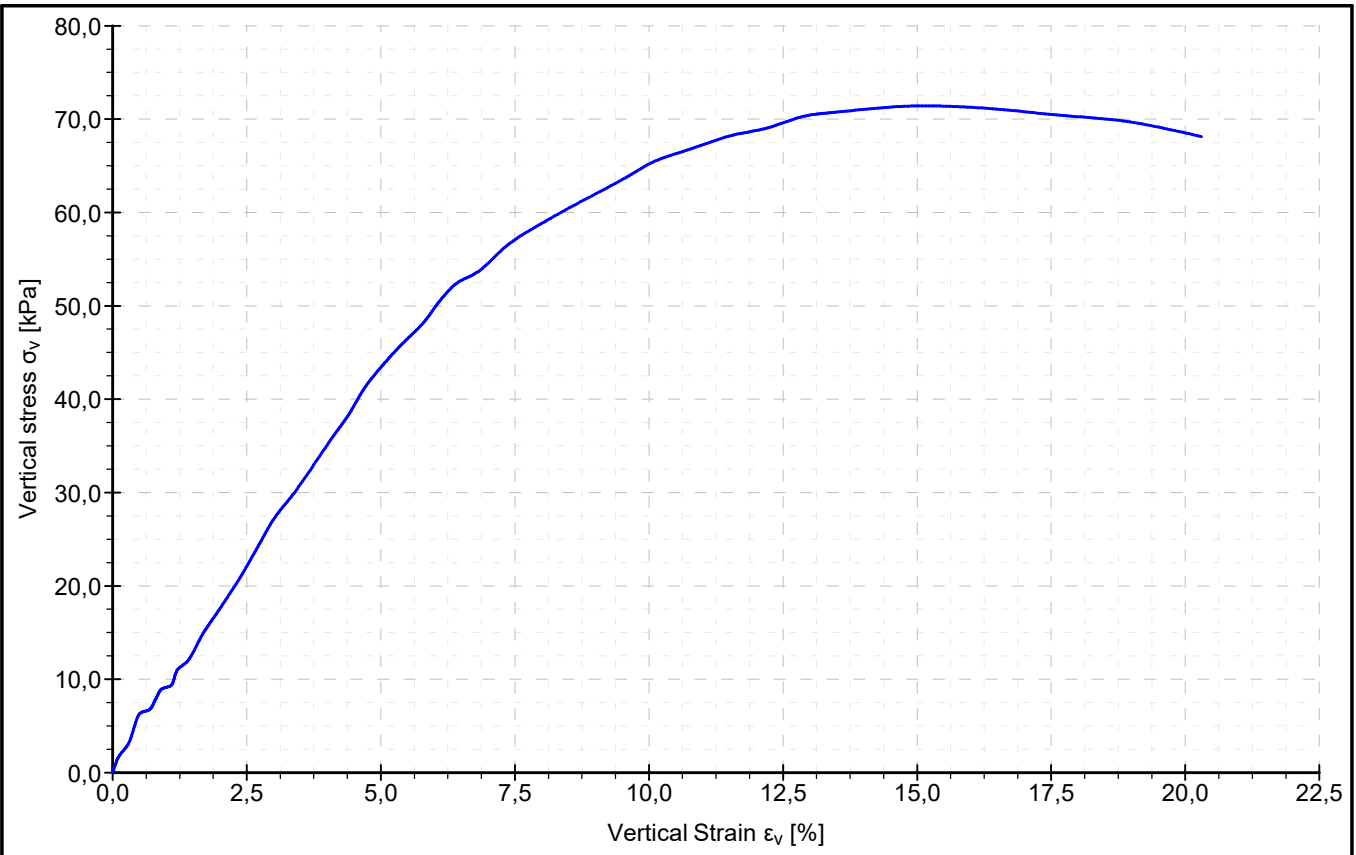
Height: 98,54 mm

H/D ratio: 2,0

Diameter: 49,12 mm

Unit weight: 18,02 kN/m<sup>3</sup>

### Measured values and results



**Compressive strength: 71,4 kPa**

**At strain: 14,9 %**

**Undrained shear strength: 35,7 kPa**

Stress rate: 0,950 mm/min

### Notes

Specimen supplied by customer. Stated moisture content is initial (determined according to EN ISO 17892-01). Tested specimen was undisturbed. Test performed in accordance with EN ISO 17892-07.

Verified by: Peter Filmer

Date of issue: 30.09.2022

Stamp and signature



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## Unconsolidated Undrained Triaxial Test (UU)

Project: Apartment building "Moonlighting" - Survey for building permit

Test ID: Triax UU

Project ID: 2022/3548

Supplier: GEO5 Laboratory Ltd.

Customer: Survey ABC Ltd.

Performed by: John Young

### Sample

Field test: BH5

Sample type: undisturbed

Sample index: VA1/1254

Geotechnical type: GT2

Depth from: 7,00 m

Description:

Depth to: 7,80 m

Clay with low plasticity, stiff, gray-blue color

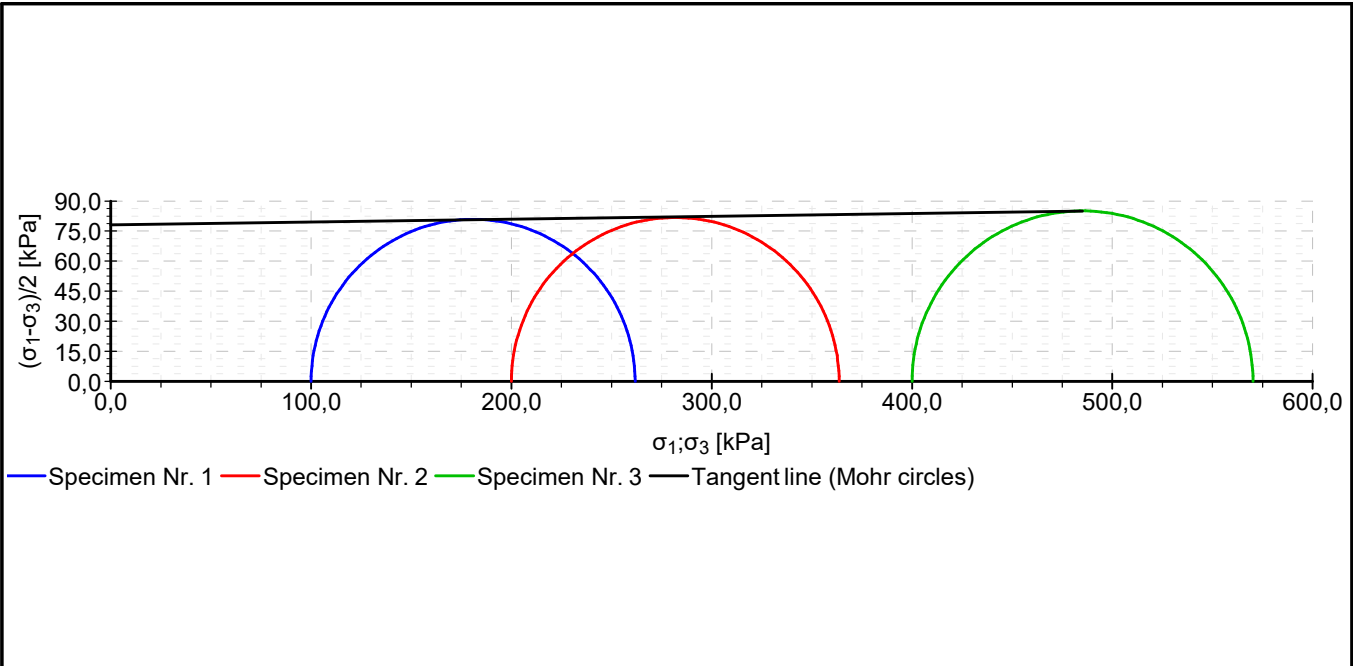
### Specimen

Specimen ID: VA1/1254-6A

Depth: 7,55 m

	Specimen Nr. 1	Specimen Nr. 2	Specimen Nr. 3
Date of measurement	14.05.2023	15.05.2023	16.05.2023
Initial diameter $d_0$ [mm]	38,12	37,88	38,06
Initial height $h_0$ [mm]	75,94	76,12	76,22
Initial area $A_0$ [mm <sup>2</sup> ]	1141,29	1141,29	1137,70
Initial volume $V_0$ [cm <sup>3</sup> ]	86,67	85,78	86,72
Moisture content before test $w_0$ [%]	22,50	22,30	22,60
Moisture content after test $w_{fin}$ [%]	21,70	21,60	21,20
Shear rate [mm/min]	0,750	0,750	0,750

### Measured values and results



Test results:

Undrained shear strength  $S_u$  [kPa]

78,1

### Notes

The test was carried out on a specimen supplied by the customer.  
Undisturbed specimen. Moisture content determined according to EN ISO 17892-01.  
Test without measurement of pore pressures and volume changes.  
Initial porosity, saturation and particle density - not measured/not determined.  
Test performed in accordance with EN ISO 17892-08.

Verified by: Peter Filmer

Date of issue: 19.06.2023

Stamp and signature



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## Consolidated Undrained Triaxial Test (CU)

Project: Apartment building "Moonlighting" - Survey for building permit

Test ID: Triax CU

Project ID: 2022/3548

Supplier: GEO5 Laboratory Ltd.

Customer: Survey ABC Ltd.

Performed by: John Young

### Sample

Field test: BH5

Sample type: undisturbed

Sample index: VA1/1254

Geotechnical type: GT2

Depth from: 7,00 m

Description:

Depth to: 7,80 m

Clay with low plasticity, stiff, gray-blue color

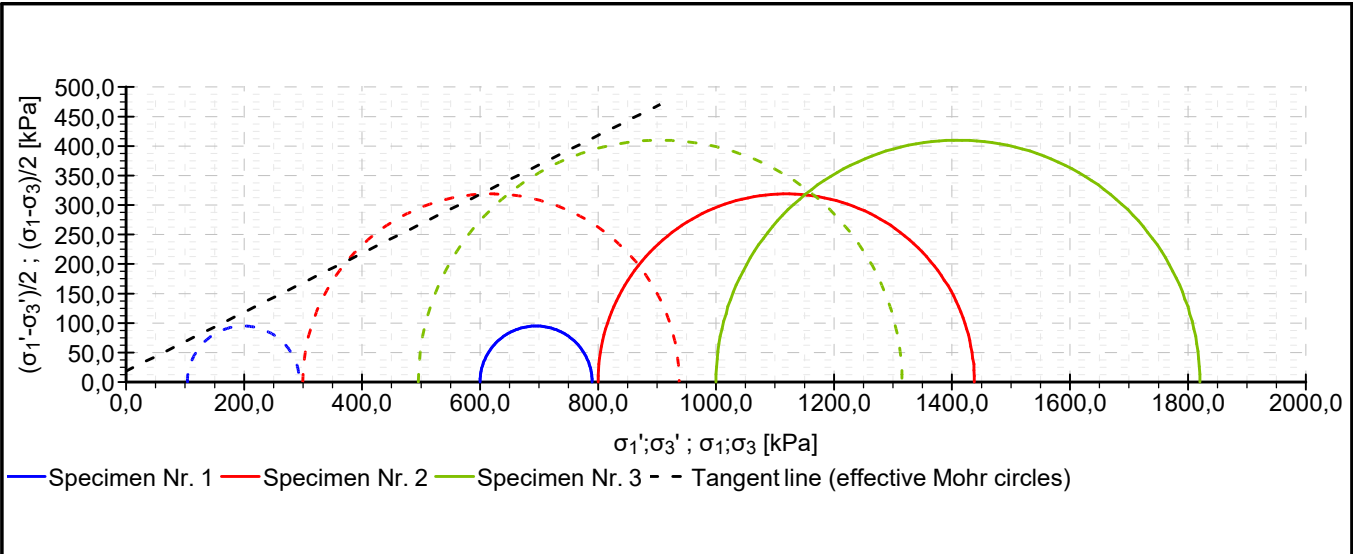
### Specimen

Specimen ID: VA1/1254-8c

Depth: 7,70 m

	Specimen Nr. 1	Specimen Nr. 2	Specimen Nr. 3
Date of measurement	08.05.2023	10.05.2023	06.05.2023
Initial diameter $d_0$ [mm]	38,32	37,94	38,36
Initial height $h_0$ [mm]	76,88	76,24	76,56
Initial area $A_0$ [mm <sup>2</sup> ]	1153,30	1130,54	1155,71
Initial volume $V_0$ [cm <sup>3</sup> ]	88,67	86,19	88,48
Moisture content before test $w_0$ [%]	22,45	22,65	22,55
Moisture content after test $w_{fin}$ [%]	21,32	21,24	21,08
Shear rate [mm/min]	0,032	0,032	0,032

### Measured values and results



Test results:	Undrained shear strength (specimen no.1): $S_{u,1} = 95,0$ kPa	
	Undrained shear strength (specimen no.2): $S_{u,2} = 319,0$ kPa	
	Undrained shear strength (specimen no.3): $S_{u,3} = 410,0$ kPa	
	Angle of internal friction $\phi_{ef}$ [°]	Cohesion $c_{ef}$ [kPa]
	26,5	18,5

### Notes

The test was carried out on a specimen supplied by the customer.  
Undisturbed specimen. Moisture content determined according to EN ISO 17892-01.  
Test without measurement of pore pressures and volume changes.  
Initial porosity, saturation and particle density - not measured/not determined.  
Test performed in accordance with EN ISO 17892-08.

Verified by: Peter Filmer

Date of issue: 28.06.2023

Stamp and signature



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## Consolidated Drained Triaxial Test (CD)

Project: Apartment building "Moonlighting" - Survey for building permit

Test ID: Triax CD

Project ID: 2022/3548

Supplier: GEO5 Laboratory Ltd.

Customer: Survey ABC Ltd.

Performed by: John Young

### Sample

Field test: BH4

Sample type: disturbed

Sample index: PV2/B4

Geotechnical type: GT4

Depth from: 10,20 m

Description:

Depth to: 10,80 m

Well-grained sand. Yellow-brown color. Aged.

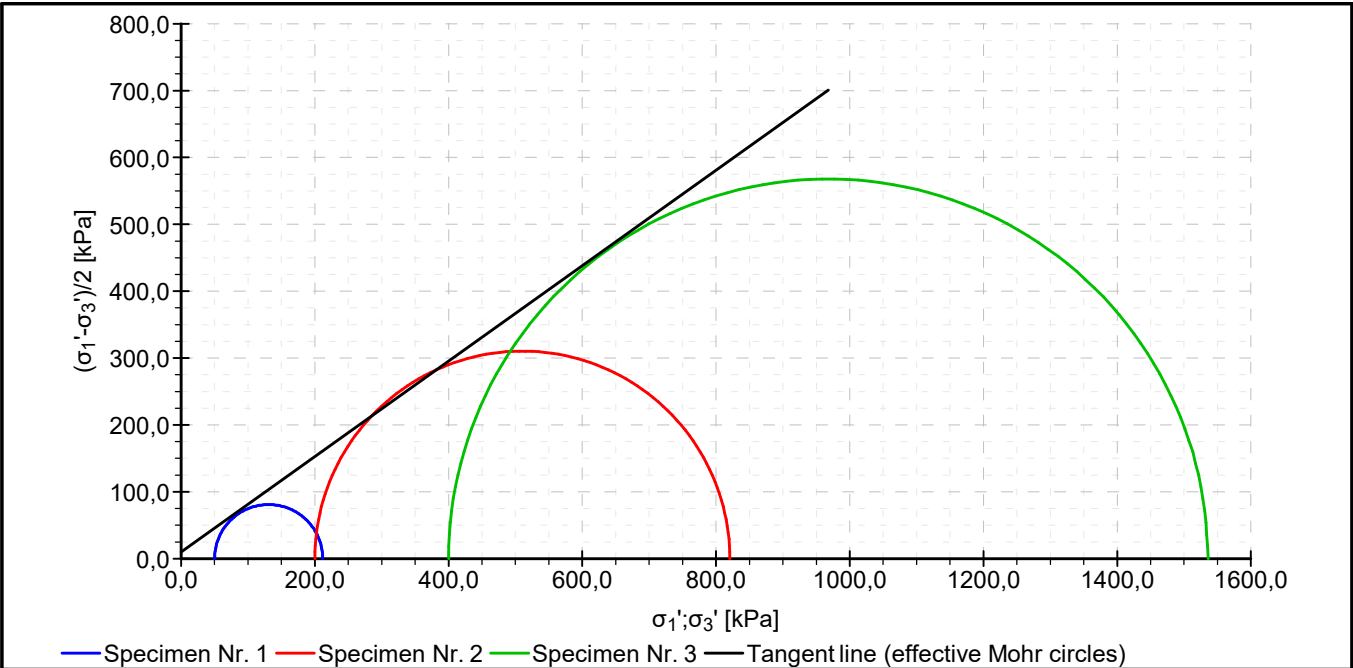
### Specimen

Specimen ID: PV2/B4-3A

Depth: 10,30 m

	Specimen Nr. 1	Specimen Nr. 2	Specimen Nr. 3
Date of measurement	10.09.2023	10.09.2023	10.09.2023
Initial diameter $d_0$ [mm]	37,22	37,94	38,08
Initial height $h_0$ [mm]	82,84	82,41	80,84
Initial area $A_0$ [mm <sup>2</sup> ]	1088,03	1130,54	1138,90
Initial volume $V_0$ [cm <sup>3</sup> ]	90,13	93,17	92,07
Moisture content before test $w_0$ [%]	12,90	12,70	12,20
Moisture content after test $w_{fin}$ [%]	14,10	13,85	12,95
Shear rate [mm/min]	0,085	0,085	0,085

### Measured values and results



Test results:	Angle of internal friction $\phi_{ef}$ [°]	Cohesion $c_{ef}$ [kPa]
	35,5	9,9

### Notes

The test was carried out on a specimen supplied by the customer.  
Disturbed specimen. Moisture content determined according to EN ISO 17892-01.  
Test performed in accordance with EN ISO 17892-08.

Verified by: Peter Filmer

Date of issue: 17.09.2023

Stamp and signature



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## Uniaxial Compression Test (Rock)

Project: Apartment building "Moonlighting" - Survey for building permit

Test ID: 1D compression (rock)

Project ID: 2022/3548

Supplier: GEO5 Laboratory Ltd.

Customer: Survey ABC Ltd.

Date of measurement: 14.06.2022

Performed by: John Young

### Sample

Field test: BH6

Sample type: rock strength

Sample index: RC2/7

Geotechnical type: GT1a

Depth from: 20,10 m

Description:

Depth to: 20,90 m

Granodiorite, slightly weathered.

### Specimen

Specimen ID: RC2/7-2

Weight: 401,25 g

Depth: 20,30 m

Moisture content: 1,70 %

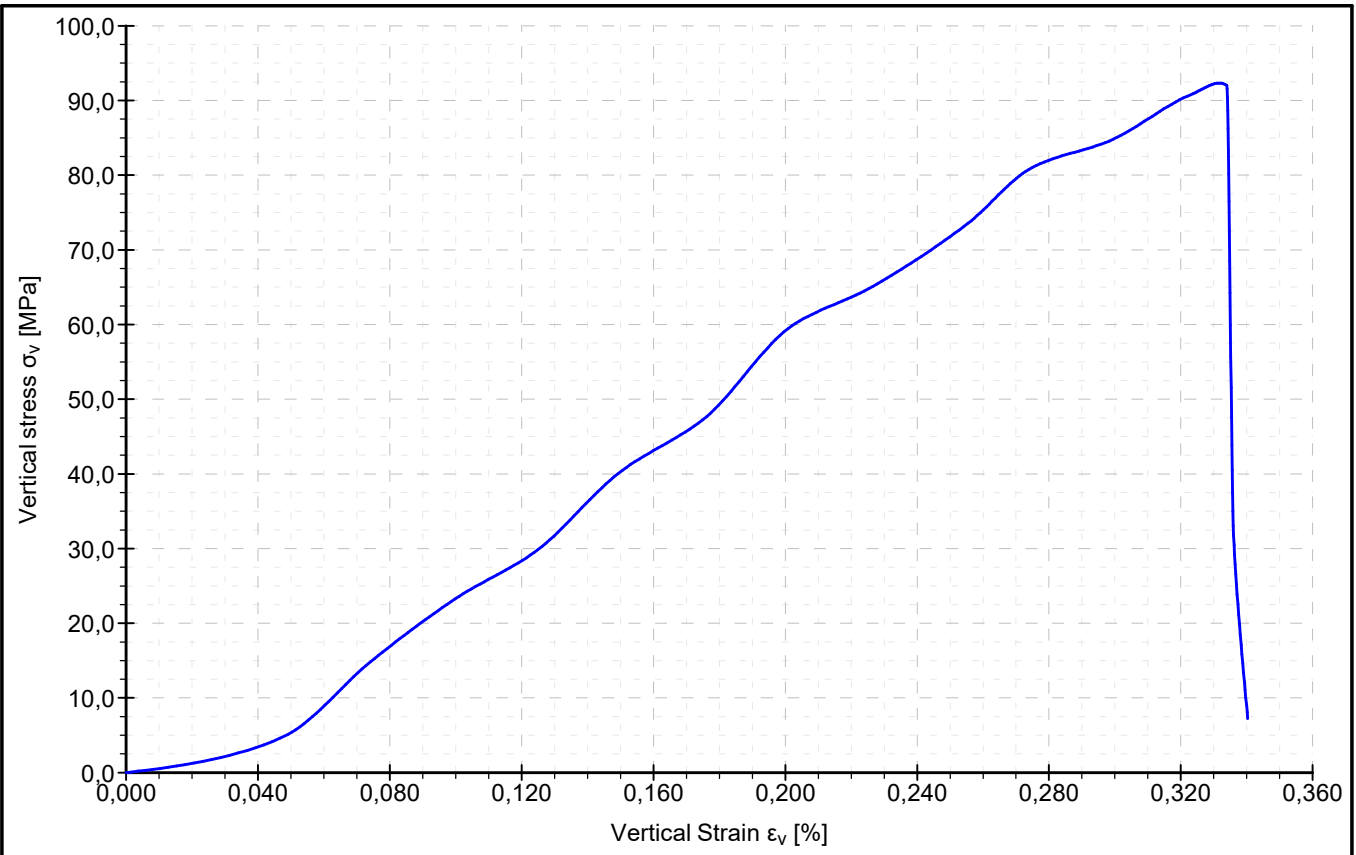
Height: 93,15 mm

H/D ratio: 2,1

Diameter: 44,22 mm

Unit weight: 28,05 kN/m<sup>3</sup>

### Measured values and results



Failure type: Axial cleavage

Stress rate: 0,150 mm/min

Compressive strength: 92,0 MPa

### Notes

Specimen delivered by the customer on 13/06/2022. Specimen was prepared and tested according to EN 1926 standard. No leveling mortar was used during testing.

Verified by: Peter Filmer

Date of issue: 18.06.2022

Stamp and signature



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## Static Plate Load Test

Project: Apartment building "Moonlighting" - Survey for building permit

Test ID: Plate A - road

Project ID: 2022/3548

Supplier: GEO5 Laboratory Ltd.

Customer: Survey ABC Ltd.

Date of measurement: 12.07.2022

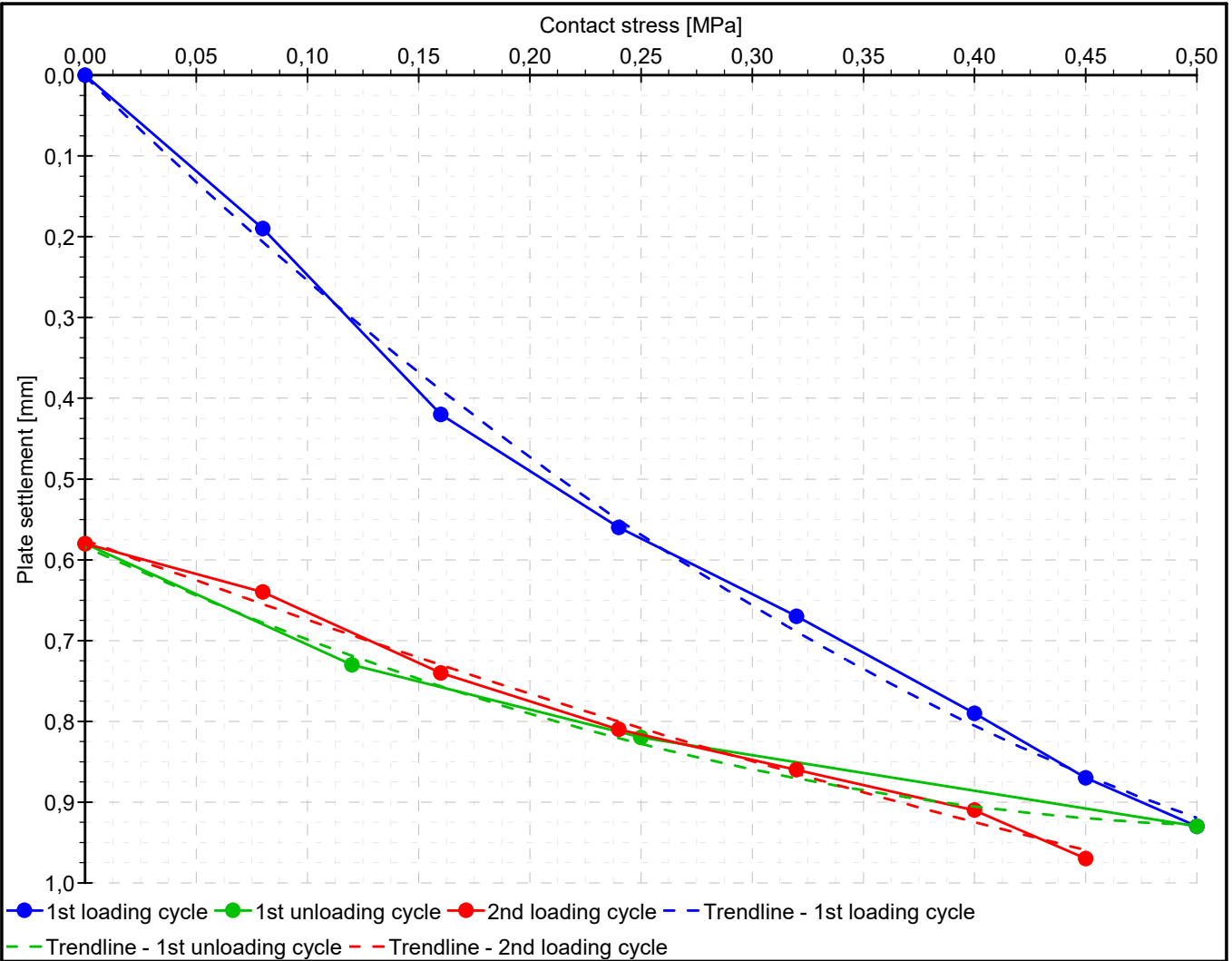
Performed by: John Young

### Tested layer description

The test was performed on a road subgrade soil.

### Measured values and results

Type of test: A (road)



$E_{def,1}$ : 122,6 MPa

$E_{def,2}$ : 263,5 MPa

$E_{def,2}/E_{def,1}$ : 2,15 -

### Notes

The test was carried out as part of the reconstruction of road I/258 at km 12,850. At the time of the test - partly cloudy, no wind, approx. 25°C. Test performed in accordance with ČSN 721006.

Verified by: Peter Filmer

Date of issue: 14.07.2022

Stamp and signature

### Static Plate Load Test

Project: Apartment building "Moonlighting" - Survey for building permit

Test ID: Plate B - railroad

Project ID: 2022/3548

Supplier: GEO5 Laboratory Ltd.

Customer: Survey ABC Ltd.

Date of measurement: 12.07.2022

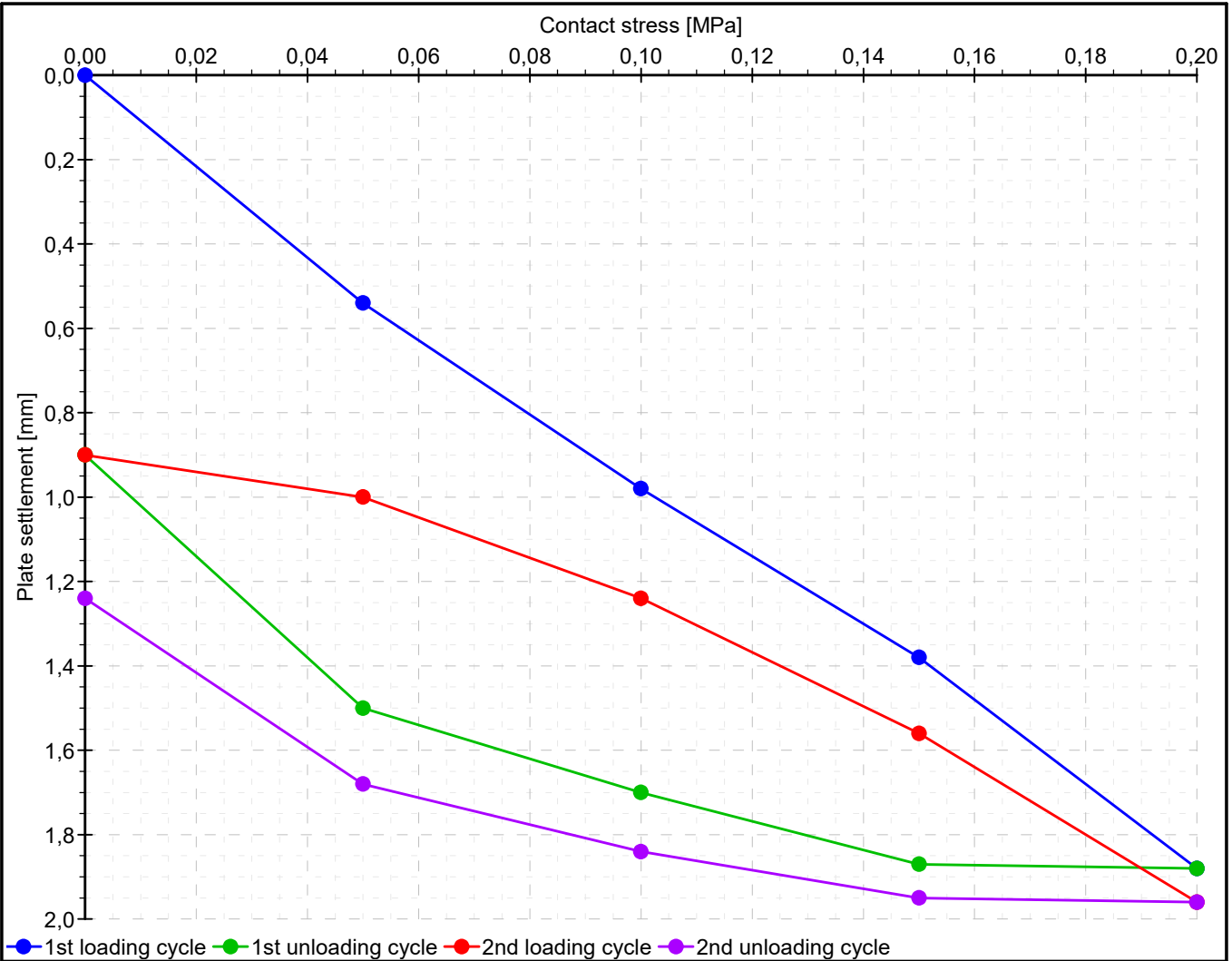
Performed by: John Young

#### Tested layer description

Railroad subgrade.

#### Measured values and results

Type of test: B (railroad)



$E_{def,1}$ : 23,9 MPa

$E_{def,2}$ : 42,5 MPa

$E_{def,2}/E_{def,1}$ : 1,78 -

#### Notes

The test was carried out as part of the construction of line 421 (Prague - Kamenice), track number 91. The plate was placed on the left with respect to the track (in the direction of the stationing). At the time of the test - partly cloudy, no wind, approx. 25°C.

Test performed in accordance with ČSN 721006.

Verified by: Peter Filmer

Date of issue: 14.07.2022

Stamp and signature