

Settle3D Analysis Information

Deponija Padna

Project Settings

Document Name: Project 1
 Project Title: Deponija Padna
 Analysis: Analiza posedkov pod nasipom nalokaciji preiskave DPM-1
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 Comments:
 Uporabljeni so bili podatki iz elaborata in globine pridobljene iz sonde DPM-1
 Stress Computation Method: Boussinesq
 Time-dependent Consolidation Analysis
 Time Units: years
 Permeability Units: meters/second
 Use average properties to calculate layered stresses
 Groundwater method: Water Table
 Water Unit Weight: 9.81 kN/m³
 Depth to water table: 1.5 [m]

Stage Settings

Stage #	Name	Time [years]
1	Prvotno stanje	0
2	nasutje	0.05
3	0.1	0.1
4	0.2	0.2
5	0.5	0.5
6	1	1
7	2	2
8	3	3
9	4	4
10	5	5
11	10	10

Results

Time taken to compute: 5.01009 seconds

Stage: Prvotno stanje = 0 y

Data Type	Minimum	Maximum
Total Settlement [m]	0	0
Total Stress [kPa]	0	110.4
Total Strain	-0	-0
Degree of Consolidation [%]	0	0

Stage: nasutje = 0.05 y

Data Type	Minimum	Maximum
Total Settlement [m]	0	0.00925485
Total Stress [kPa]	0	215.683
Total Strain	-0	0.00662488
Degree of Consolidation [%]	0	4.56021

Stage: 0.5 = 0.5 y

Data Type	Minimum	Maximum
Total Settlement [m]	0	0.126211
Total Stress [kPa]	0	215.683
Total Strain	-0	0.0722314
Degree of Consolidation [%]	0	60.5886

Stage: 1 = 1 y

Data Type	Minimum	Maximum
Total Settlement [m]	0	0.164381
Total Stress [kPa]	0	215.683
Total Strain	-0	0.0741591
Degree of Consolidation [%]	0	78.9124

Stage: 3 = 3 y

Data Type	Minimum	Maximum
Total Settlement [m]	0	0.203097
Total Stress [kPa]	0	215.683
Total Strain	-0	0.0763408
Degree of Consolidation [%]	0	97.4982

Stage: 5 = 5 y

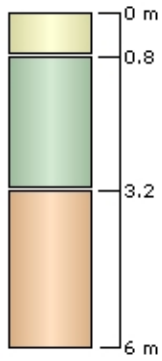
Data Type	Minimum	Maximum
Total Settlement [m]	0	0.207618
Total Stress [kPa]	0	215.683
Total Strain	-0	0.0766276
Degree of Consolidation [%]	0	99.6686

Soil Layers




Layer #	Type	Thickness [m]	Depth [m]	Drained at Bottom
1	GM	0.8	0	No
2	preperina	2.4	0.8	No
3	Soil Property 3	2.8	3.2	No

Ground Surface Drained: Yes





Soil Properties

Property	GM	preperina	Soil Property 3
Color			
Unit Weight [kN/m ³]	18	19	18
Saturated Unit Weight [kN/m ³]	18	19	18
Primary Consolidation	Enabled	Enabled	Enabled
Material Type	Linear	Linear	Non-Linear
mv [m ² /kN]	5.5e-005	6.25e-005	
mvur [m ² /kN]	1.8e-005	2.1e-005	
Cc			0.3
Cr			0.1
e0			1.1
OCR			1
Cv [m ² /s]			1e-007
K [m/s]	1e-007	1e-008	
Kr			1e-009
B-bar	1	1	1