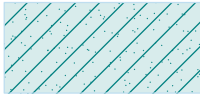
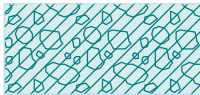



No.	Name	Pattern	φ_{ef} [°]	c_{ef} [kPa]	γ [kN/m ³]
3	Речно корито		33,00	0,00	16,00

Soil parameters - uplift

No.	Name	Pattern	γ_{sat} [kN/m ³]	γ_s [kN/m ³]	n [—]
1	Заскалявка		22,00		
2	обратен насип		20,00		
3	Речно корито		16,00		

Soil parameters

Заскалявка

Unit weight : $\gamma = 22,00 \text{ kN/m}^3$
 Stress-state : effective
 Angle of internal friction : $\varphi_{ef} = 34,00^\circ$
 Cohesion of soil : $c_{ef} = 0,00 \text{ kPa}$
 Saturated unit weight : $\gamma_{sat} = 22,00 \text{ kN/m}^3$

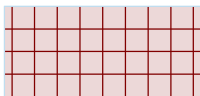
обратен насип

Unit weight : $\gamma = 20,00 \text{ kN/m}^3$
 Stress-state : effective
 Angle of internal friction : $\varphi_{ef} = 32,00^\circ$
 Cohesion of soil : $c_{ef} = 0,00 \text{ kPa}$
 Saturated unit weight : $\gamma_{sat} = 20,00 \text{ kN/m}^3$

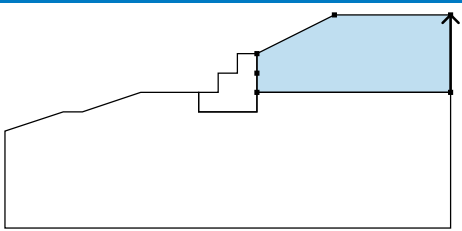
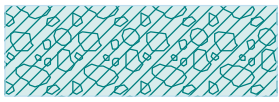
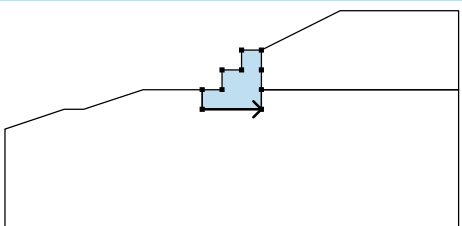
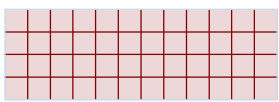
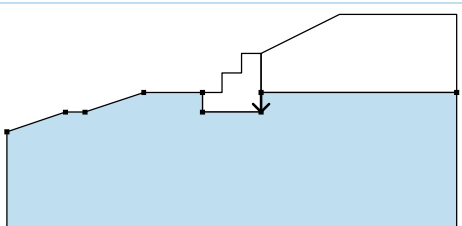

Речно корито

Unit weight : $\gamma = 16,00 \text{ kN/m}^3$
 Stress-state : effective
 Angle of internal friction : $\varphi_{ef} = 33,00^\circ$
 Cohesion of soil : $c_{ef} = 0,00 \text{ kPa}$
 Saturated unit weight : $\gamma_{sat} = 16,00 \text{ kN/m}^3$

Rigid bodies

No.	Name	Sample	γ [kN/m ³]
1	Wall material		18,00

Assigning and surfaces

No.	Surface position	Coordinates of surface points [m]				Assigned soil
		x	z	x	z	
1		10,00	-2,00	10,00	2,00	обратен насип 
		4,00	2,00	0,00	0,00	
		0,00	-1,00	0,00	-2,00	
2		-3,00	-3,00	0,00	-3,00	Wall material 
		0,00	-2,00	0,00	-1,00	
		0,00	0,00	-1,00	0,00	
		-1,00	-1,00	-2,00	-1,00	
		-2,00	-2,00	-3,00	-2,00	
3		0,00	-2,00	0,00	-3,00	Речно корито 
		-3,00	-3,00	-3,00	-2,00	
		-6,00	-2,00	-9,00	-3,00	
		-10,00	-3,00	-13,00	-4,00	
		-13,00	-9,00	10,00	-9,00	
		10,00	-2,00			

Surcharge

No.	Type	Type of action	Location z [m]	Origin x [m]	Length l [m]	Width b [m]	Slope α [°]	Magnitude		
								q, q ₁ , f, F	q ₂	unit
1	strip	permanent	on terrain	x = 0,00	l = 10,00		0,00	10,00		kN/m ²

Surcharges

No.	Name
1	Валиране

Water

Water type : No water

Tensile crack

Tensile crack not inputted.

Earthquake

Earthquake not included.

Settings of the stage of construction

Design situation : permanent

Results (Stage of construction 1)

Analysis 1

Circular slip surface

Slip surface parameters						
Center :	x =	-7,40 [m]	Angles :	α_1 =	-9,86 [°]	
	z =	23,43 [m]		α_2 =	38,92 [°]	
Radius :	R =	27,54 [m]				
Analysis of the slip surface without optimization.						

Slope stability verification (all methods)

Bishop : Utilization = 54,9 % **ACCEPTABLE**

Fellenius / Petterson : Utilization = 57,2 % **ACCEPTABLE**

Spencer : Utilization = 54,9 % **ACCEPTABLE**

Janbu : Utilization = 54,8 % **ACCEPTABLE**
Morgenstern-Price : Utilization = 54,8 % **ACCEPTABLE**

Name : Analysis

Stage - analysis : 1 - 1

