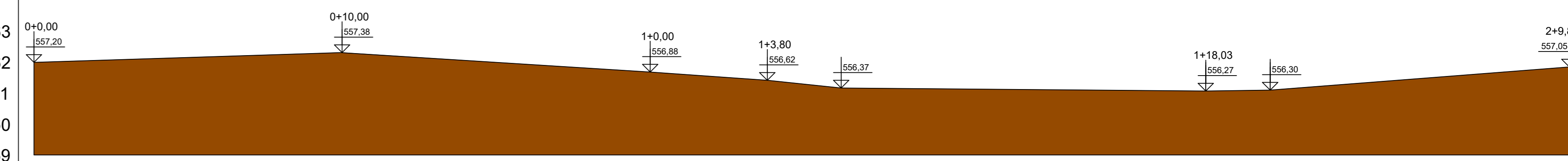
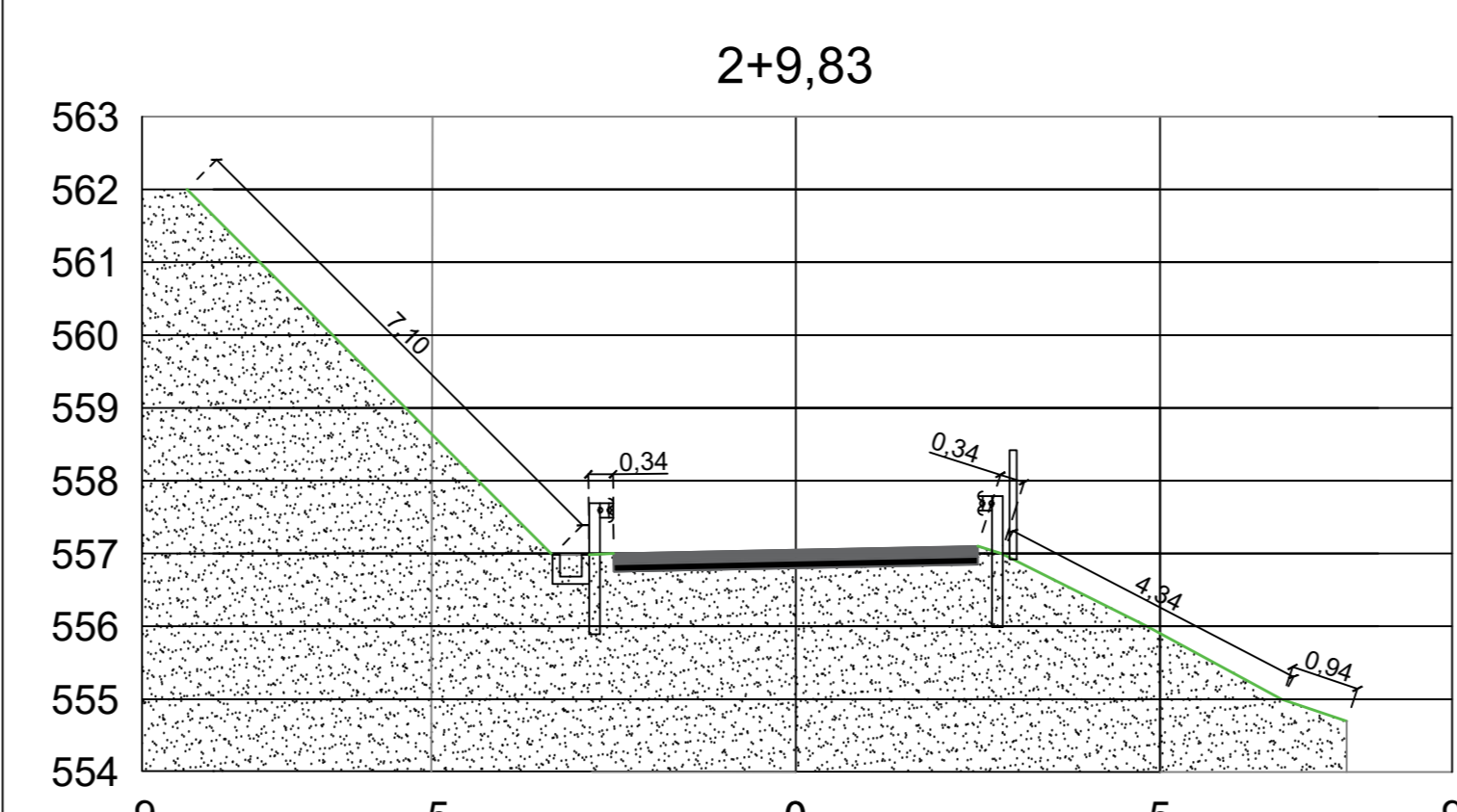
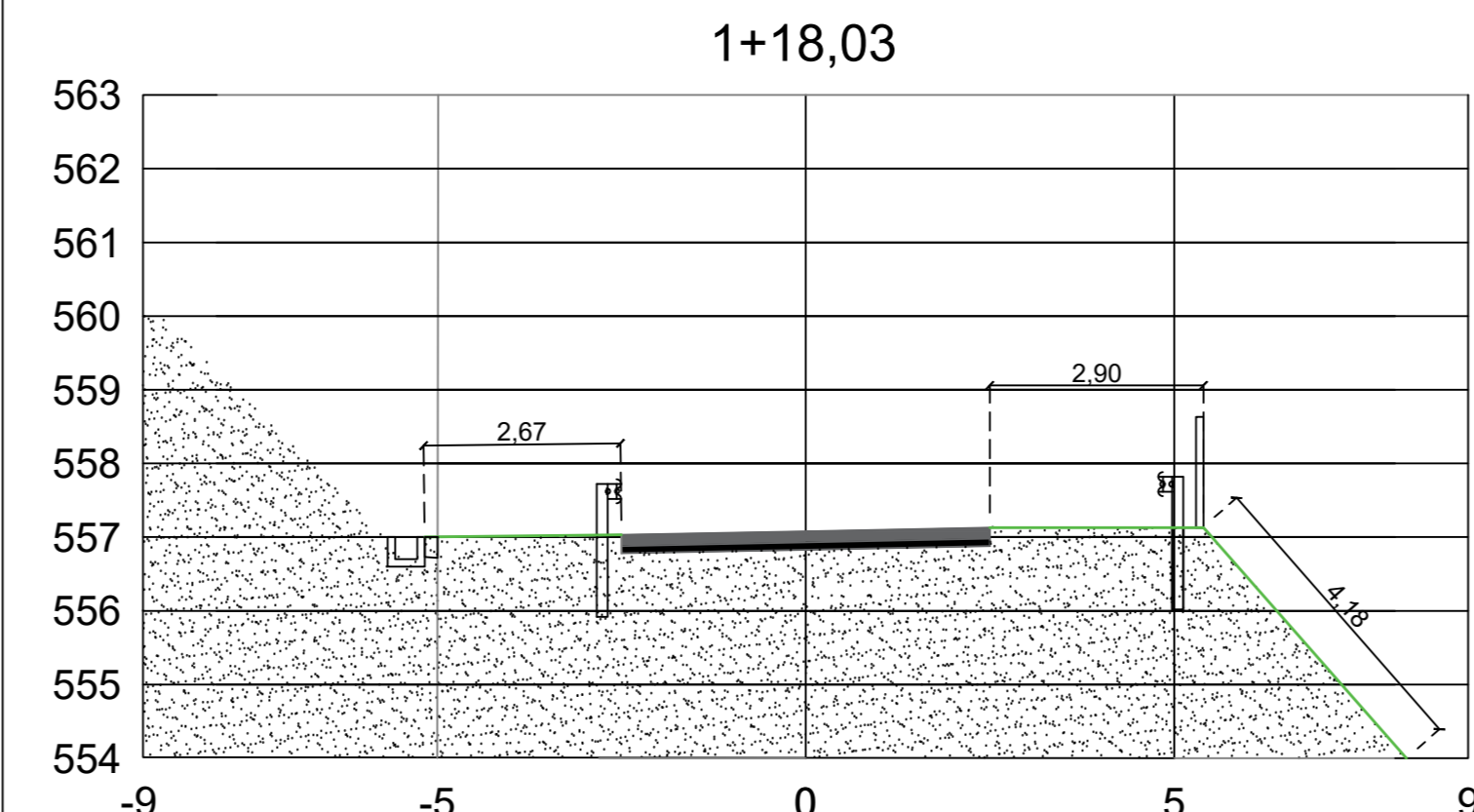
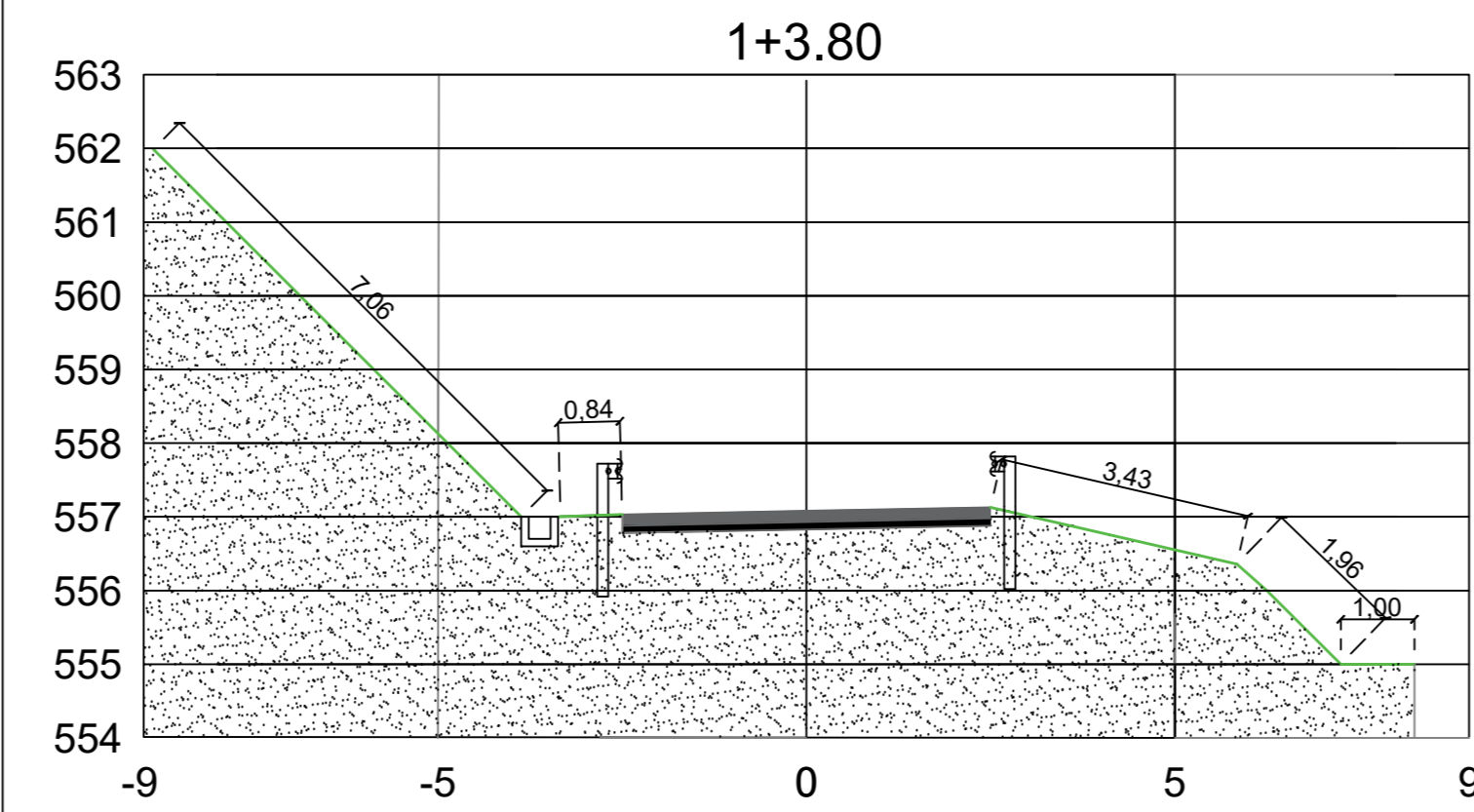
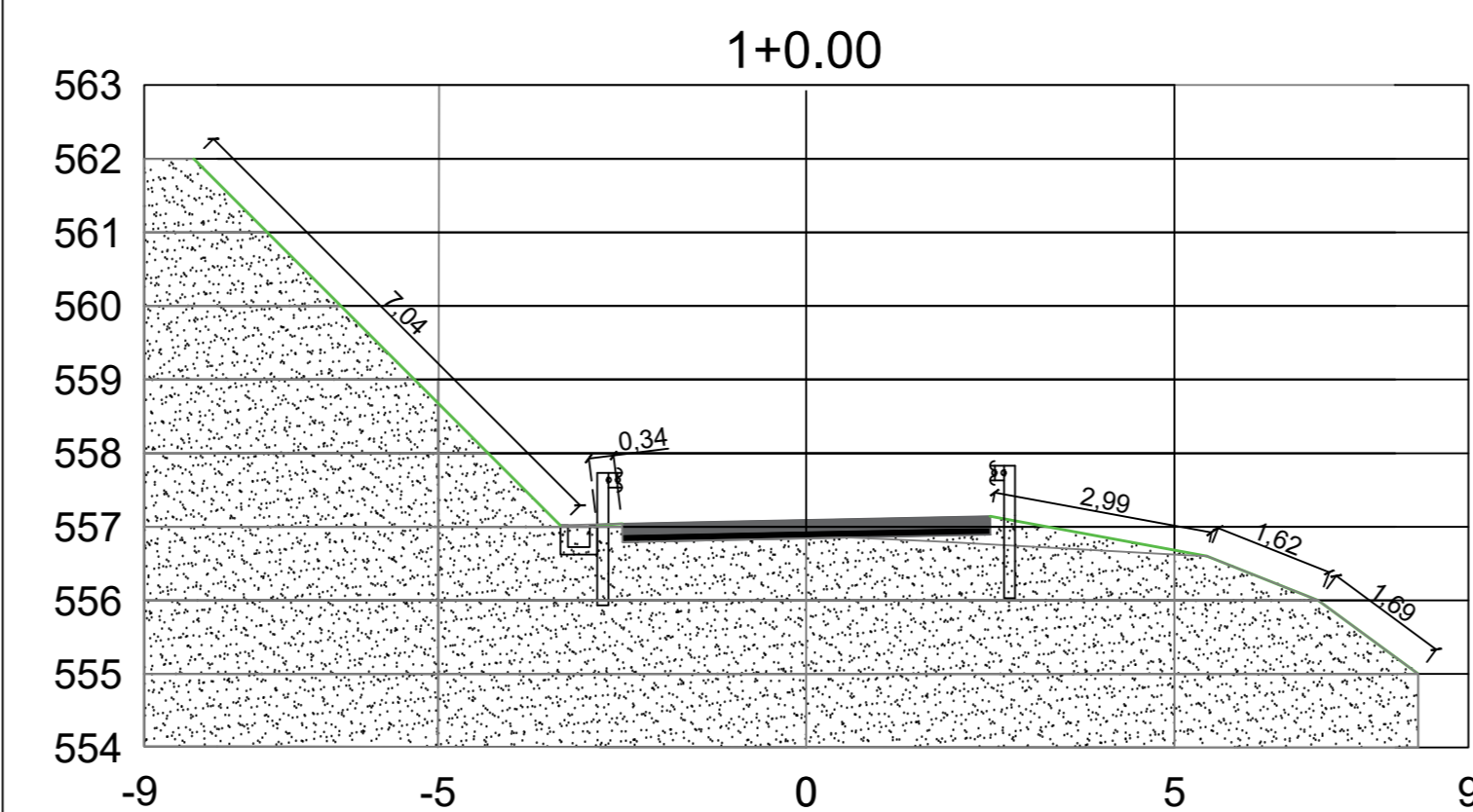
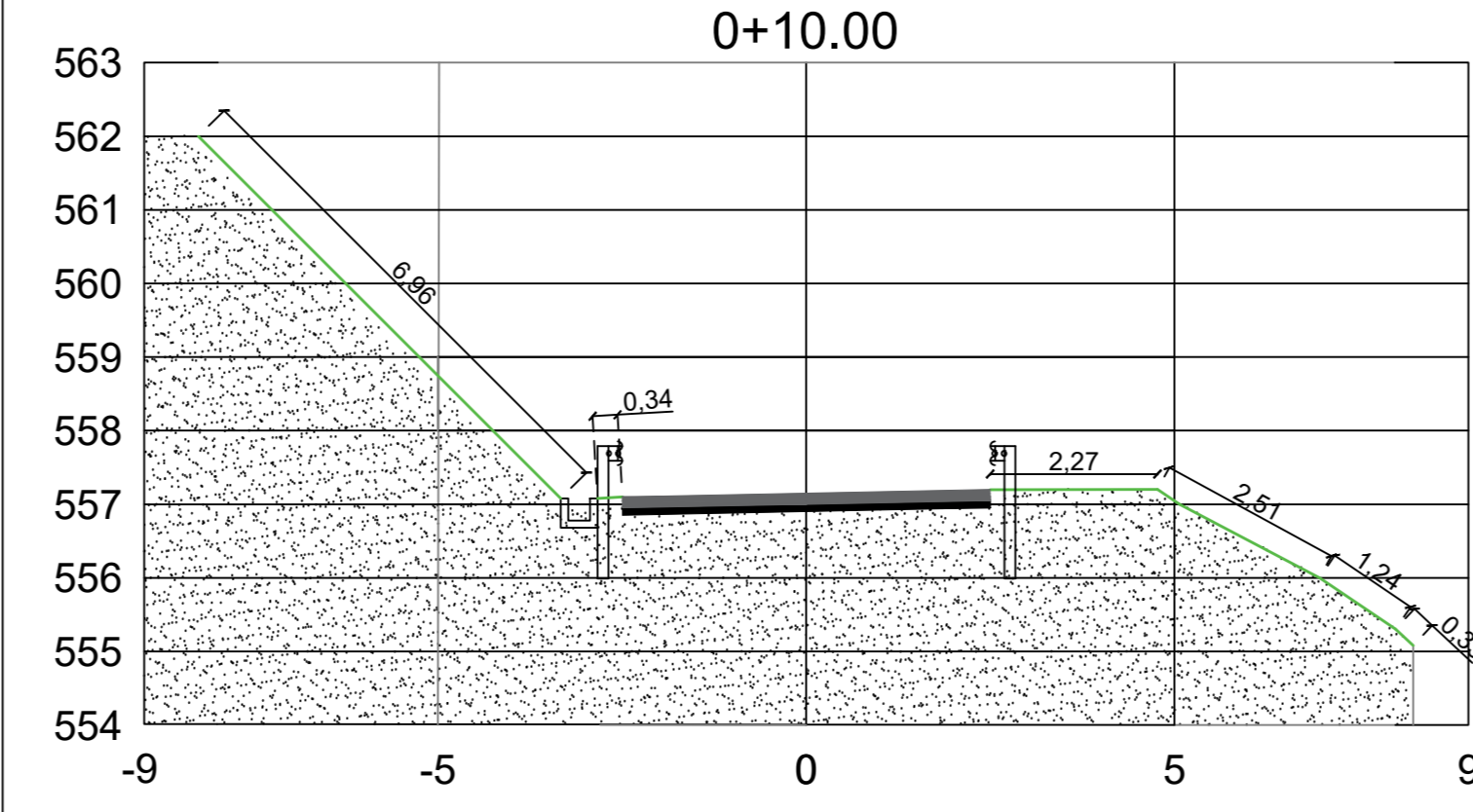
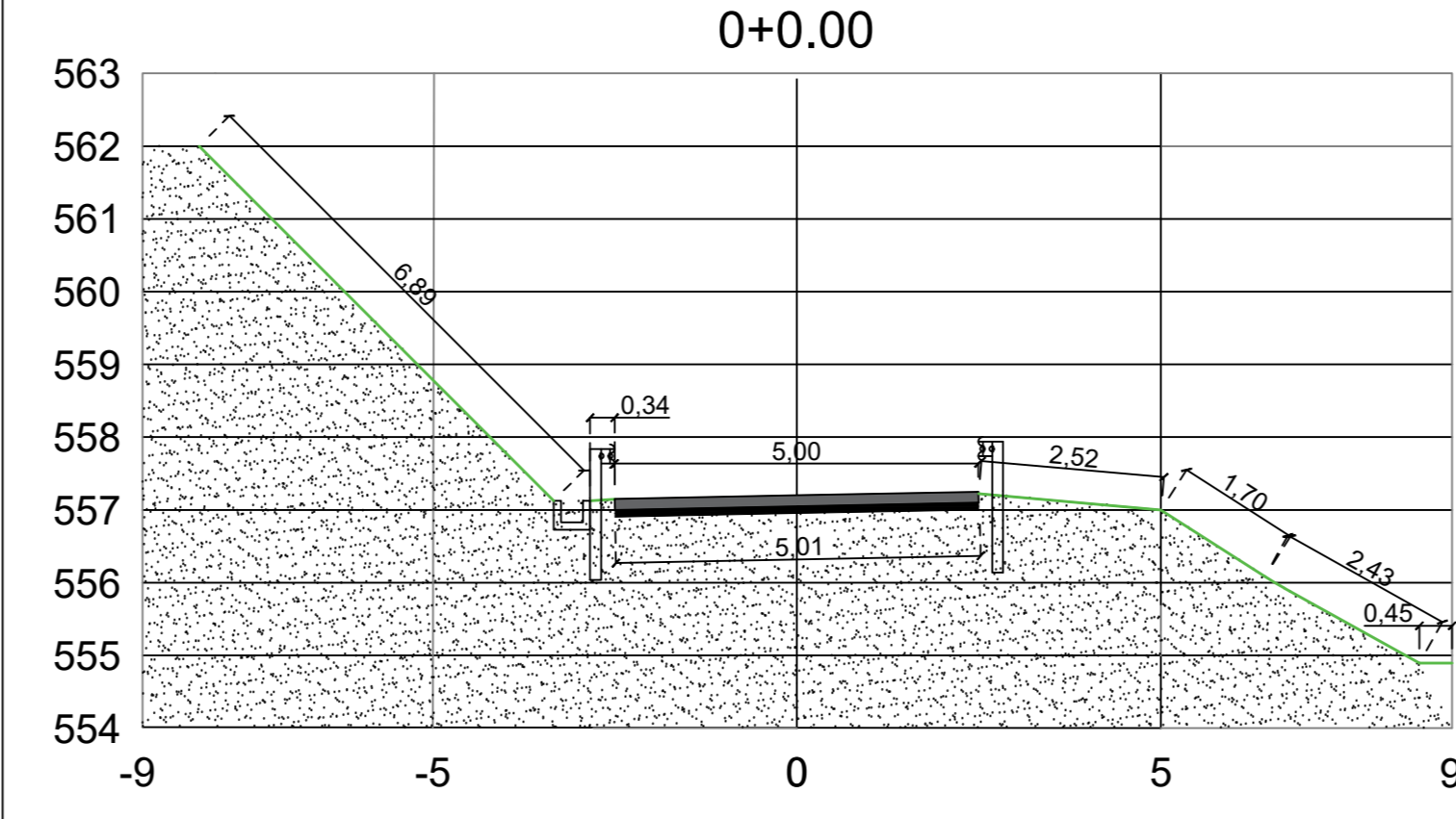
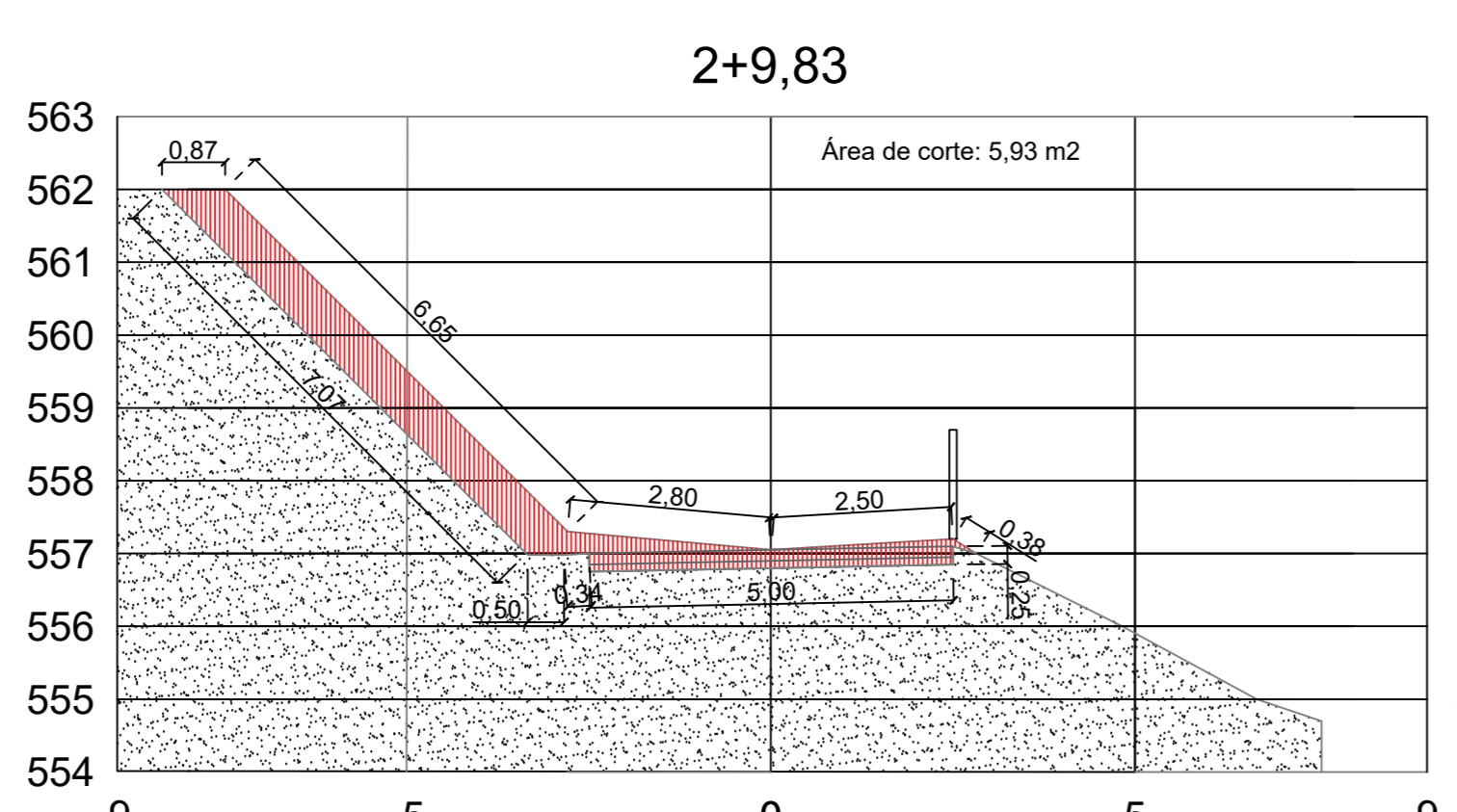
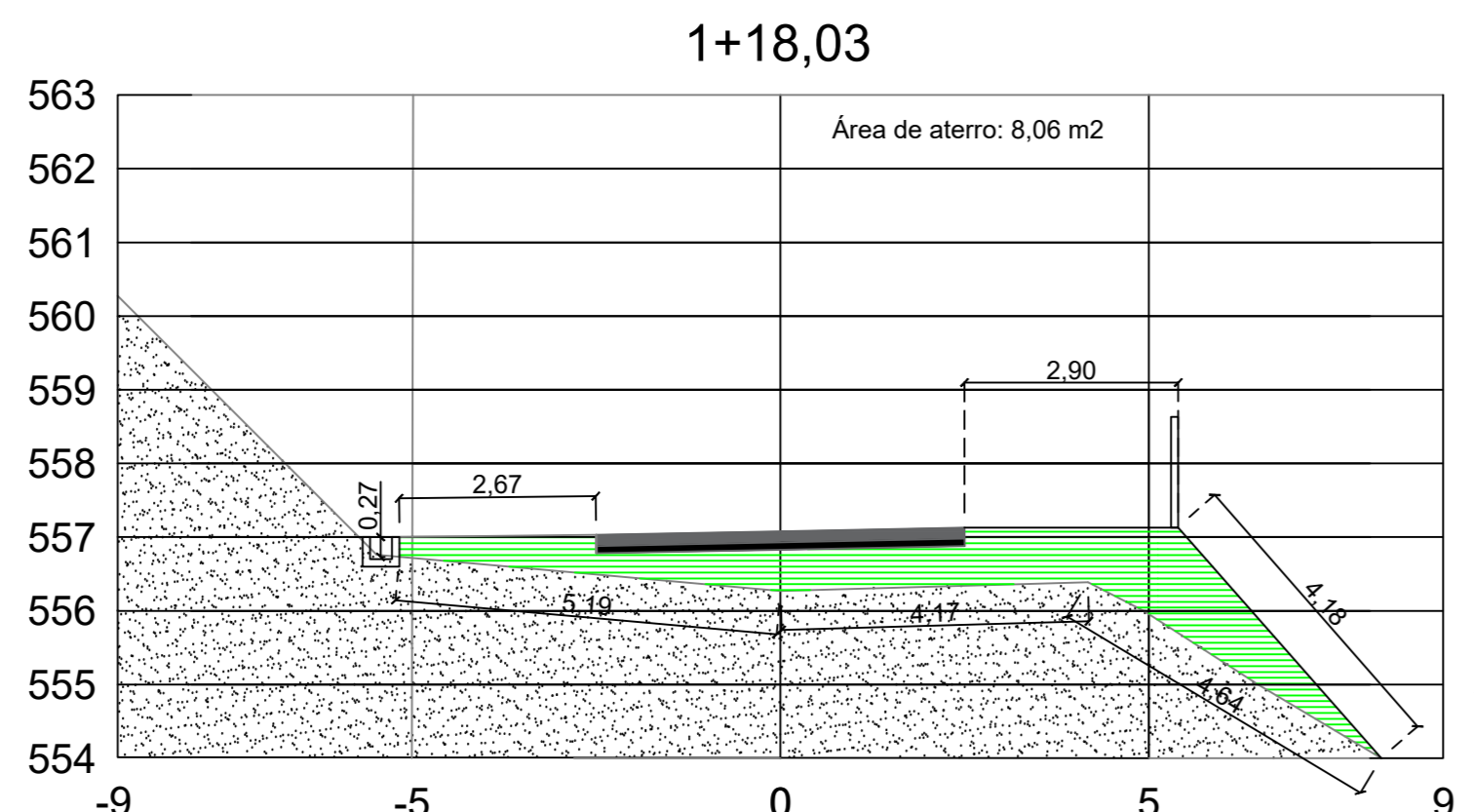
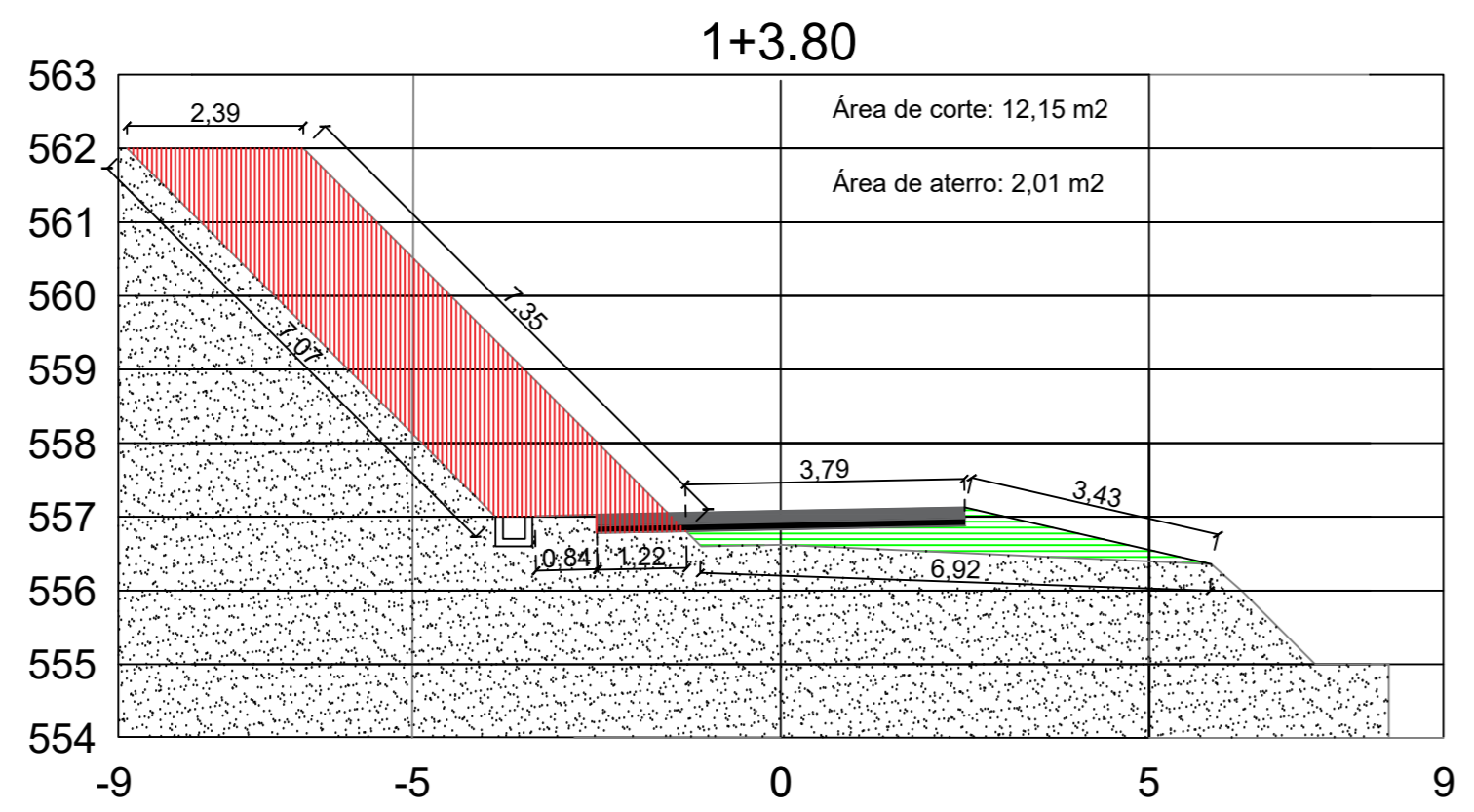
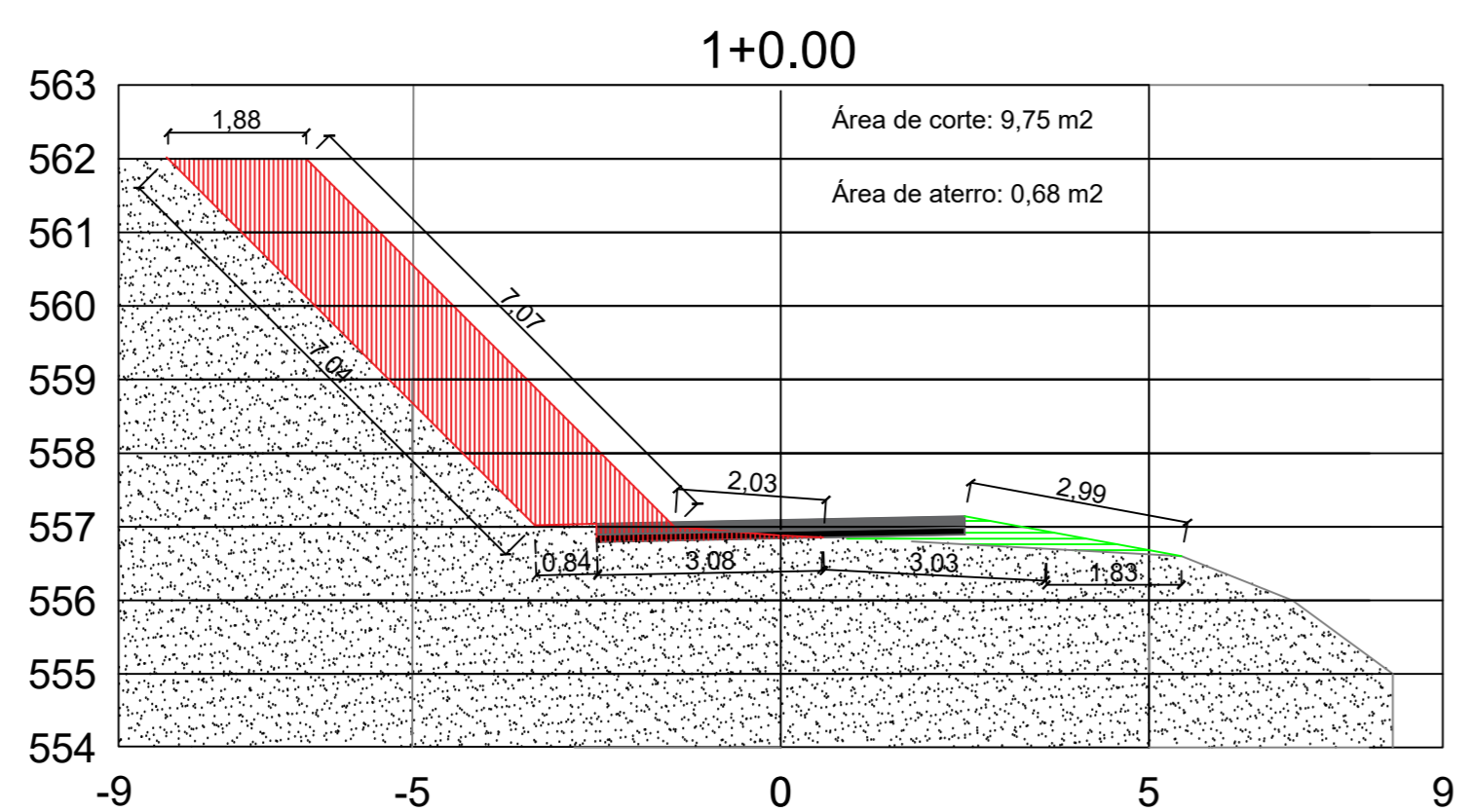
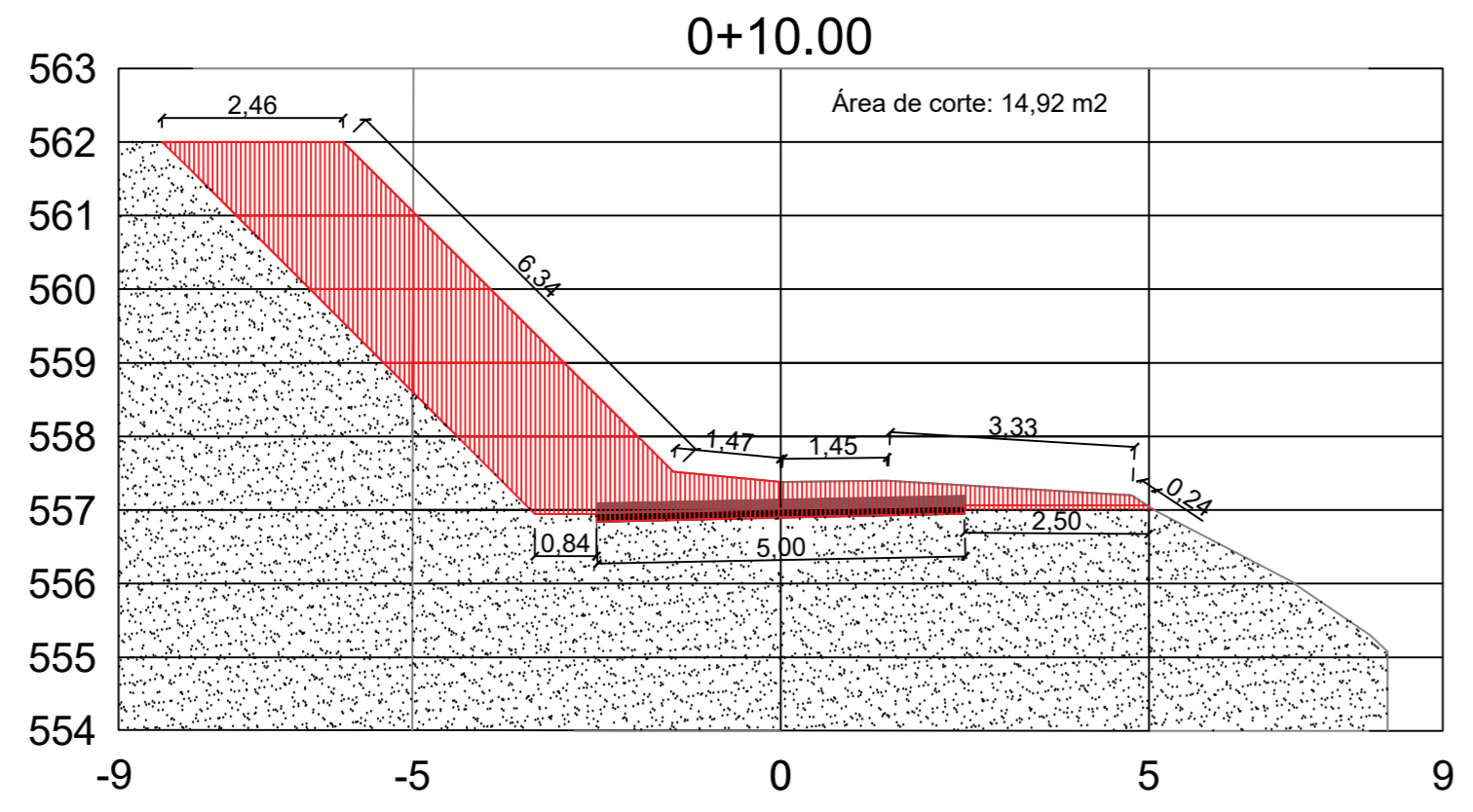
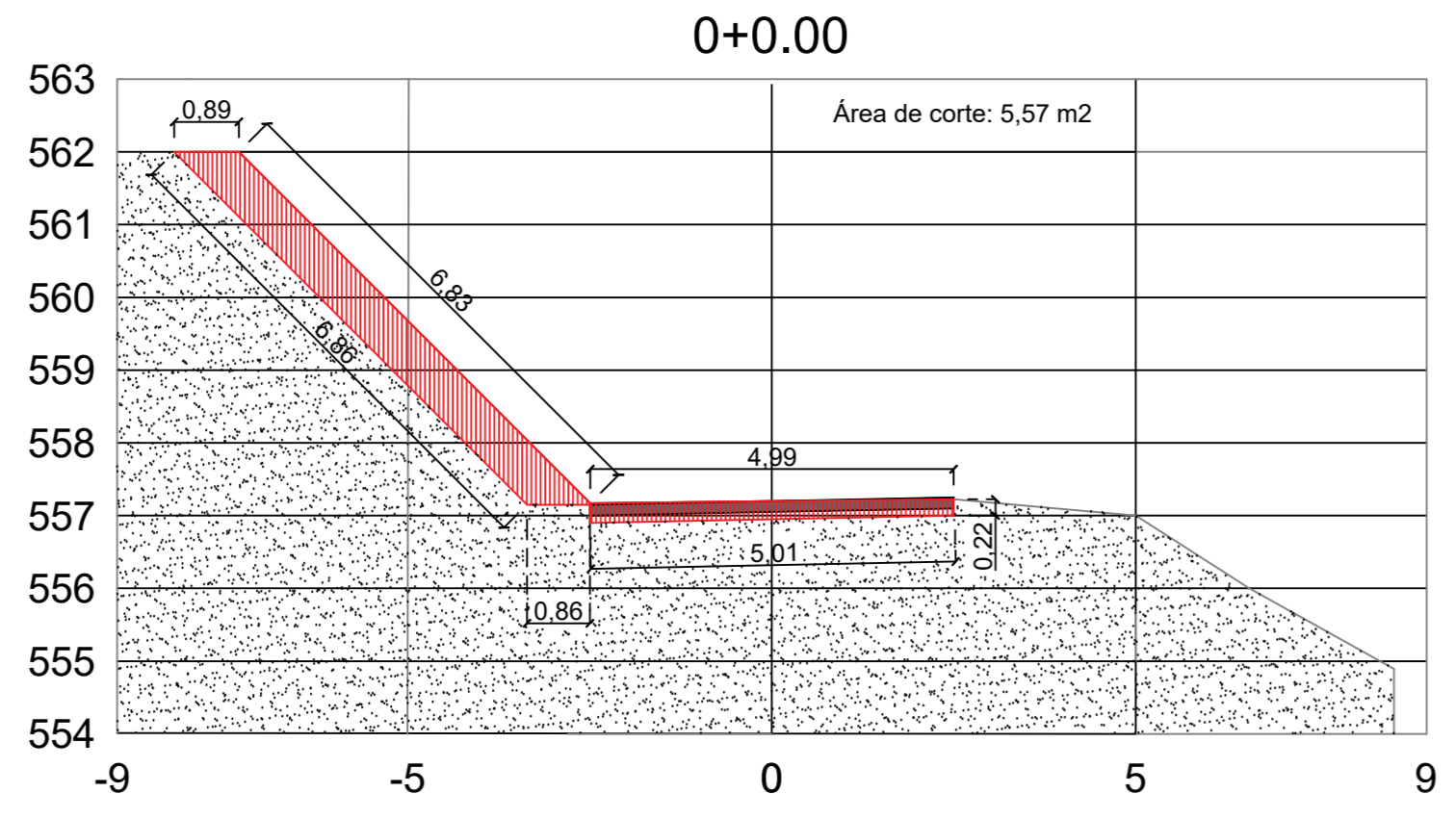
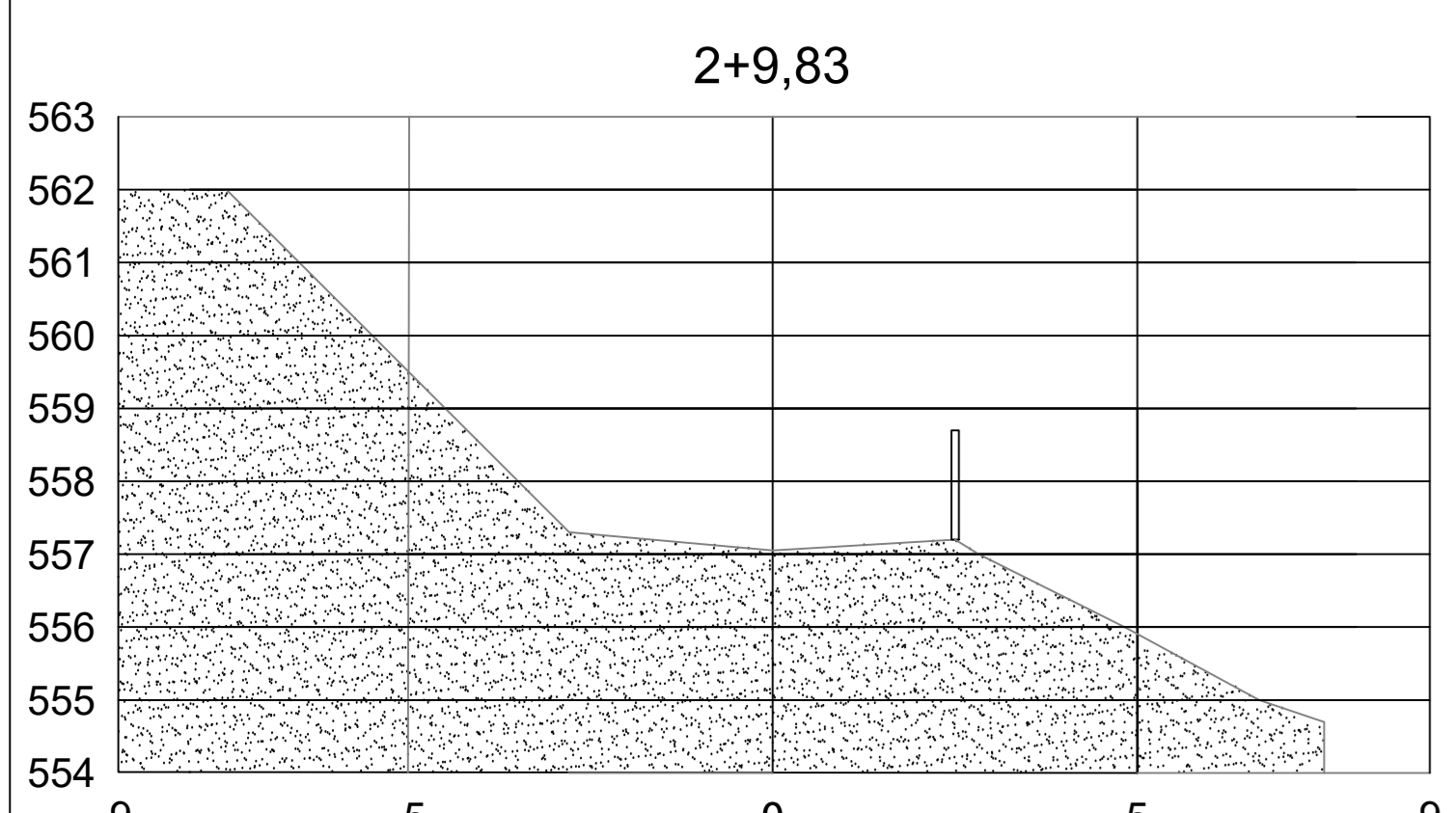
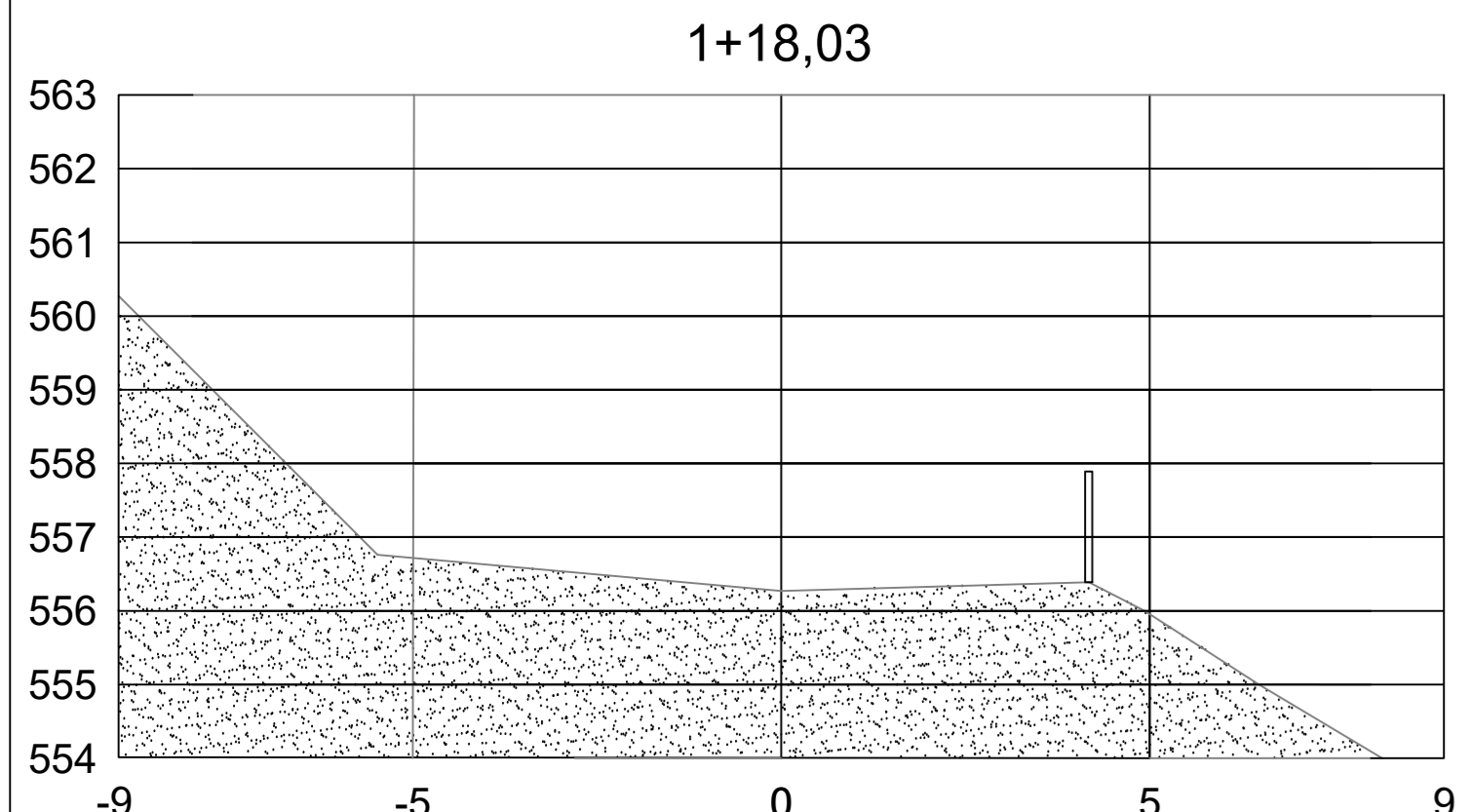
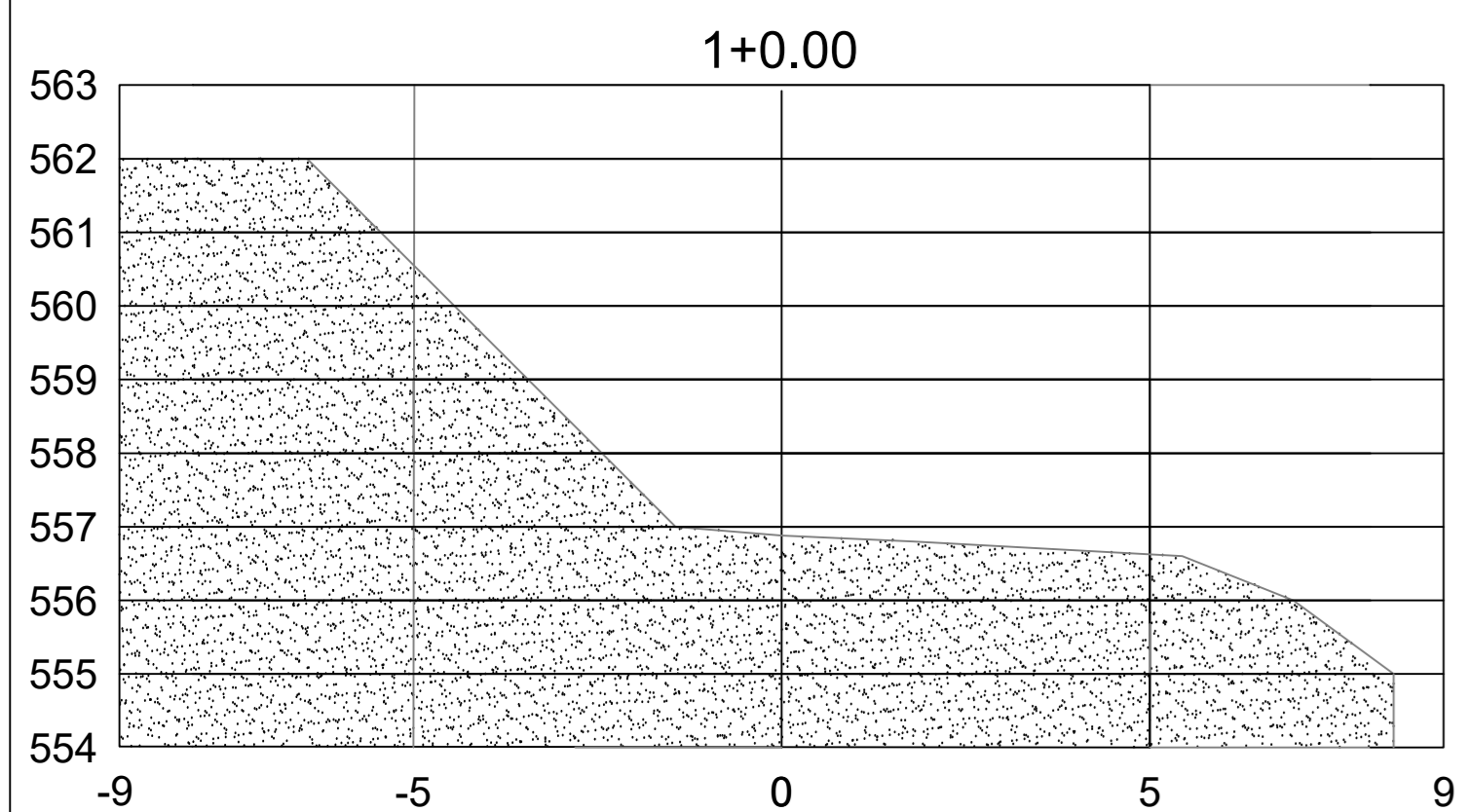
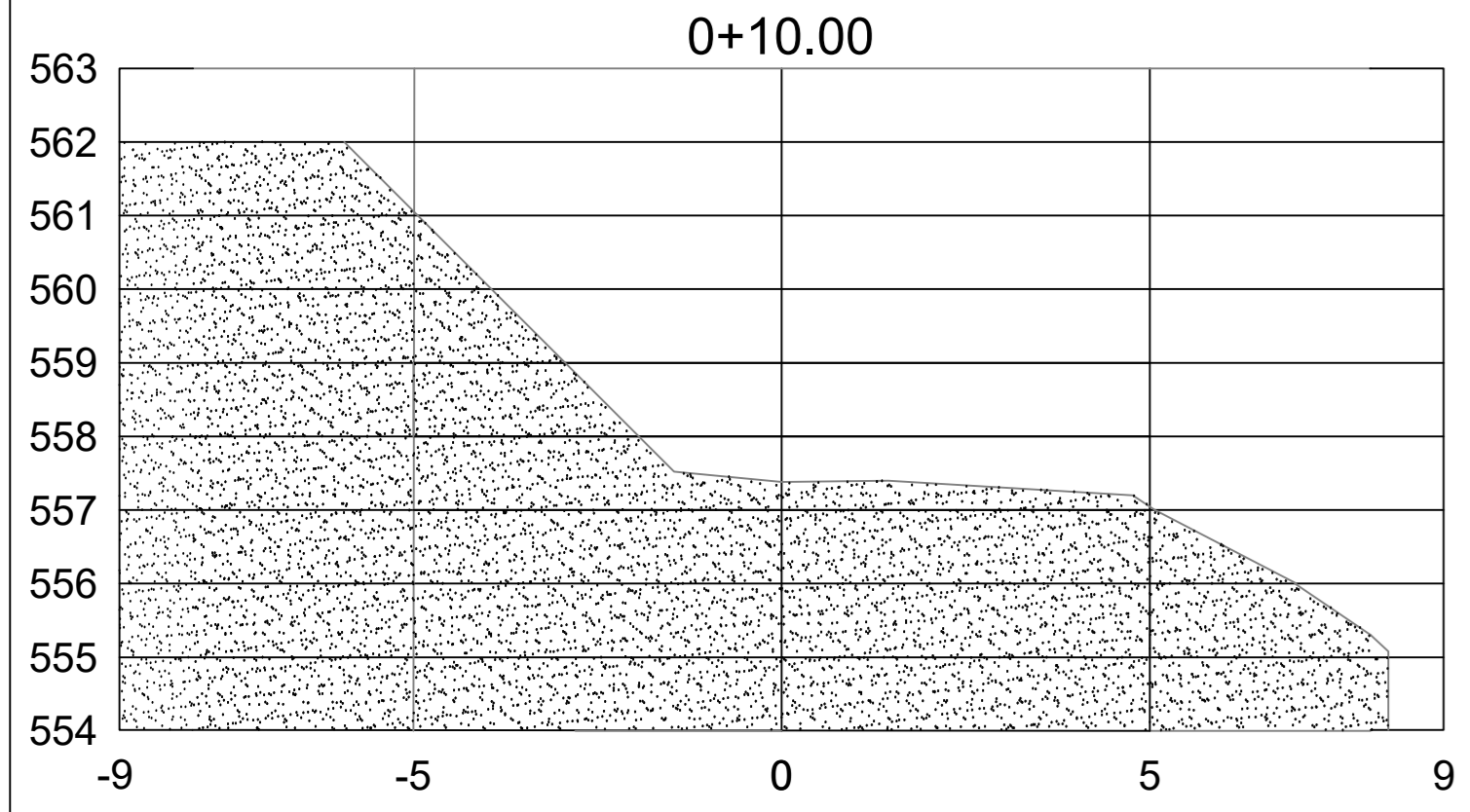
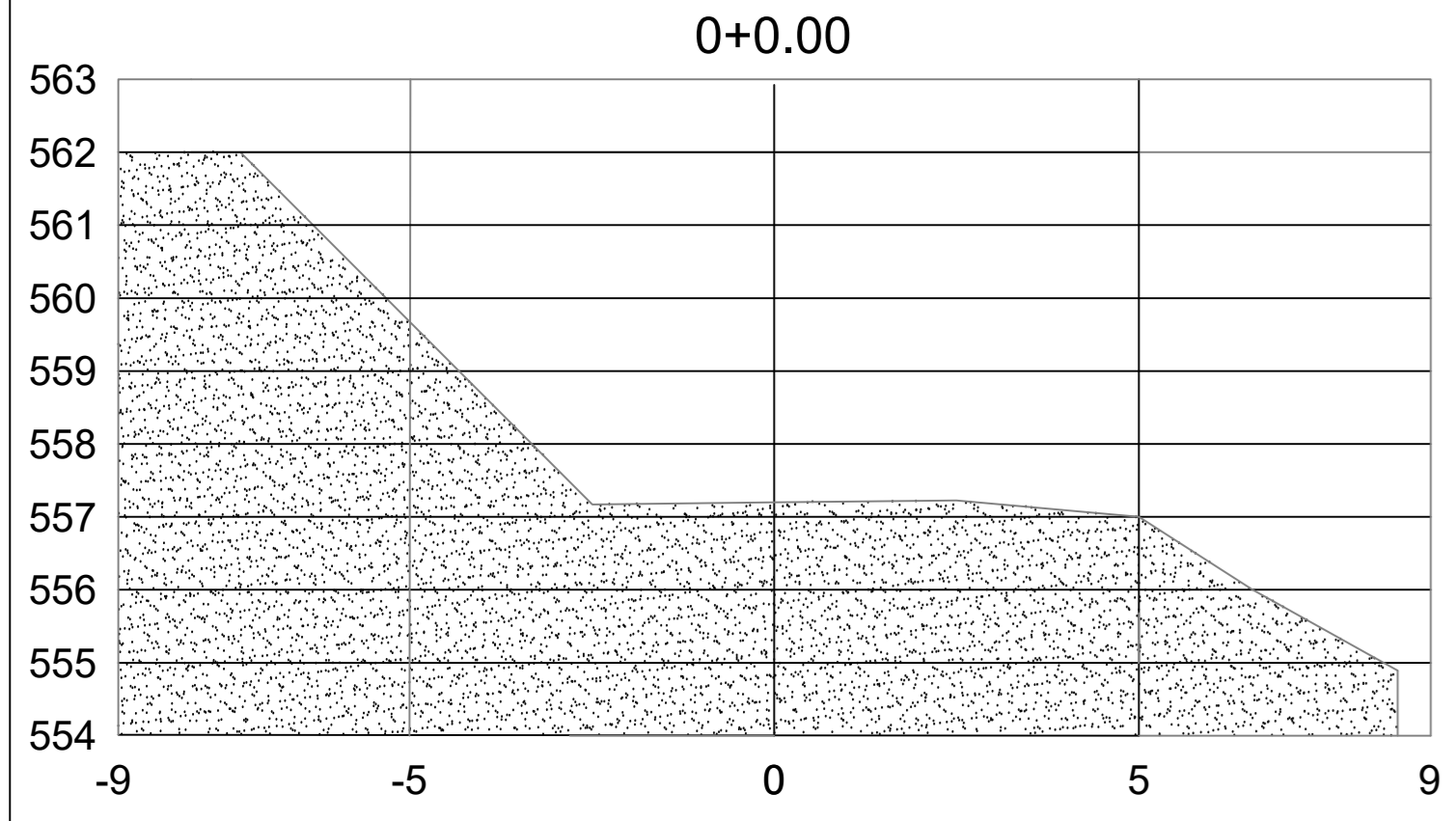


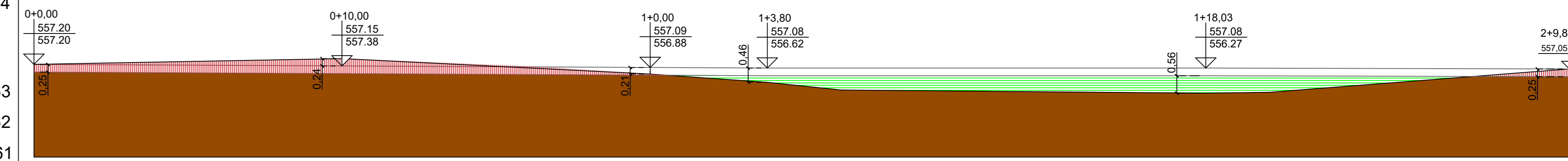
SEÇÃO TRANSVERSAL- TERRENO NATURAL
ESCALA: 1/100

SEÇÃO TRANSVERSAL- CORTE E ATERRO
ESCALA: 1/100

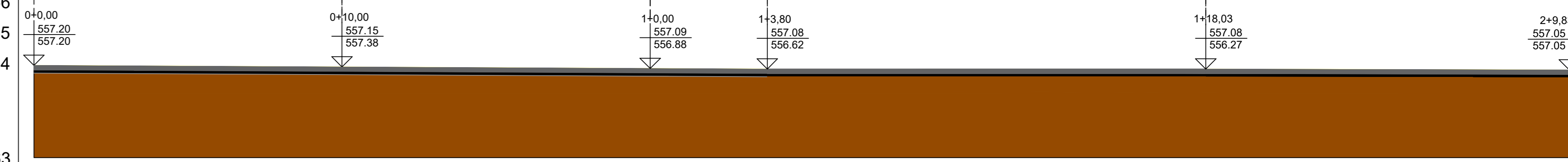
SEÇÃO TRANSVERSAL- PAVIMENTAÇÃO
ESCALA: 1/100



CORTE LONGITUDINAL: PAVIMENTAÇÃO EM CONCRETO RAMO 1- NATURAL
ESCALA: 1/100



CORTE LONGITUDINAL: PAVIMENTAÇÃO EM CONCRETO RAMO 1- CORTE E ATERRO
ESCALA: 1/100



CORTE LONGITUDINAL: PAVIMENTAÇÃO EM CONCRETO RAMO 1
ESCALA: 1/100

- LEGENDA:
- ATERRO
 - CORTE
 - TERRENO NATURAL
 - PAVIMENTO EM CONCRETO E BASE EM SOLO BRITA

ATERRO		Estacas	Comprimento (m)	Seção estaca n (m²)	Seção estaca n+1 (m²)	Volume (m³)	FÓRMULA
LADO		0+00 - 0+10,00	10,00	0,00	0,00	0,00	Aterro para nivelamento da estrada com a ponte=
		0+10,00 - 1+0,00	10,00	0,00	0,68	3,40	
		1+0,00 - 1+3,80	3,80	0,68	2,01	5,11	
		1+3,80 - 1+18,03	14,23	2,01	8,06	71,65	((Estaca n + estaca n+1) x Comprimento) / 2
		1+18,03 - 2+9,83	11,80	8,06	0,00	47,55	
				TOTAL		127,71	SOMATÓRIO

CORTE		Estacas	Comprimento (m)	Seção estaca n (m²)	Seção estaca n+1 (m²)	Volume (m³)	FÓRMULA
LADO		0+00 - 0+10,00	10,00	5,57	14,92	102,45	Corte para nivelamento da estrada com a ponte=
		0+10,00 - 1+0,00	10,00	14,92	9,75	123,35	
		1+0,00 - 1+3,80	3,80	9,75	12,15	41,61	
		1+3,80 - 1+18,03	14,23	12,15	0,00	86,45	((Estaca n + estaca n+1) x Comprimento) / 2
		1+18,03 - 2+9,83	11,80	0,00	5,93	34,99	
				SUBTOTAL		388,84	SOMATÓRIO

PREFEITURA DE MURIAÉ
SECRETARIA MUNICIPAL DE OBRAS PÚBLICAS
PONTE SANTA MÔNICA (PONTE GRAMINHA)
PROJETO- PONTE EM CONCRETO ARMADO

PREFEITURA DE MURIAÉ / CNPJ: 17.847.981/0001-76	DESCRIÇÃO: TERRAPLENAGEM LADO MURO DE ARRIMO 1 - Estaca 0+0,00 até Estaca 2+9,83
MARCOS GUARINO DE OLIVEIRA SECRETARIA MUNICIPAL DE OBRAS PÚBLICAS	LOCAL: COMUNIDADE DO GRAMA, DISTRITO PRAPAENAMA, COORDENADAS: 21°02'33,427" S, 47°32'15,720" O - MURIAÉ - MG
JORGE FERES FILHO R. T. PROJETO	ARQUIVO: Ponte Graminha.dwg
ENR. ARLAN DO CARMO MENDONÇA/CREA-MG Nº 177324-D	DATA: 31/10/2023 ESC. INDICADAS