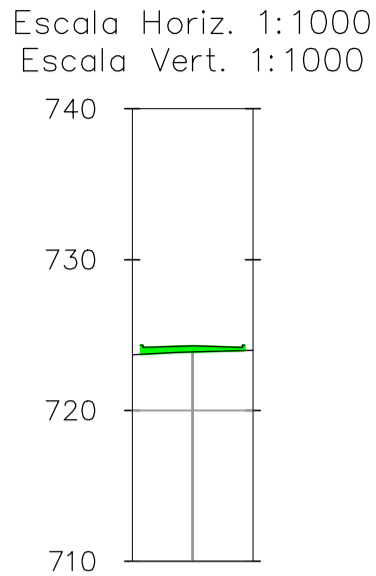
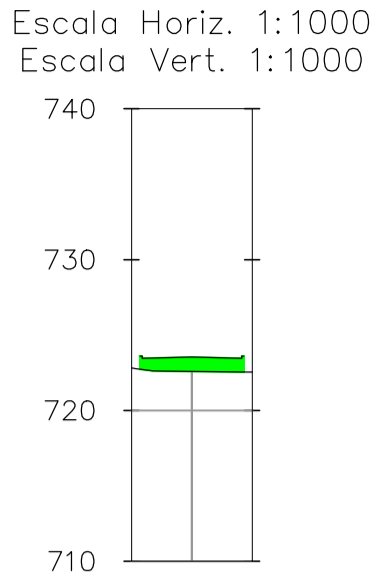
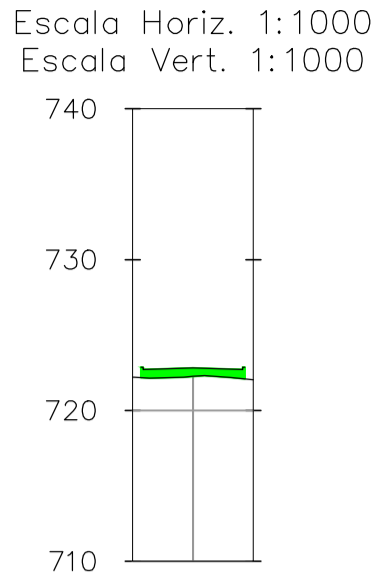
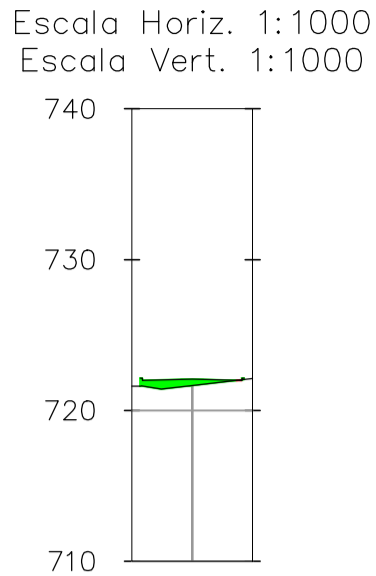
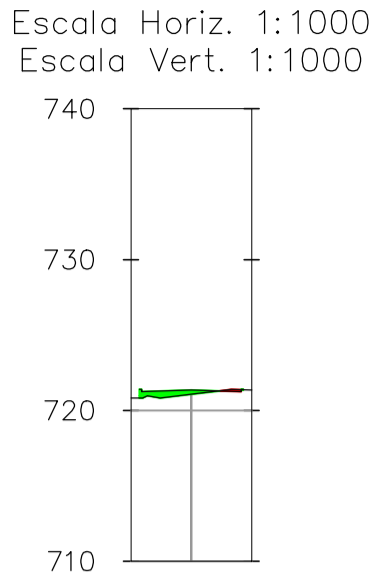
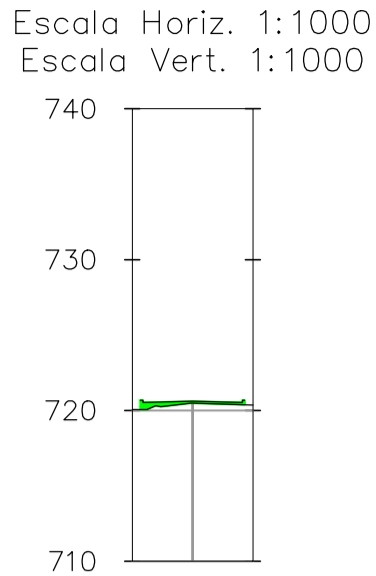
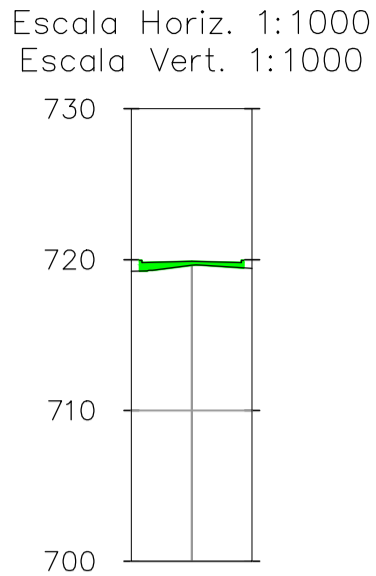
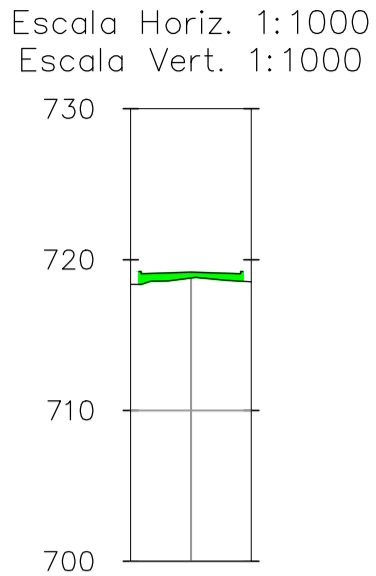
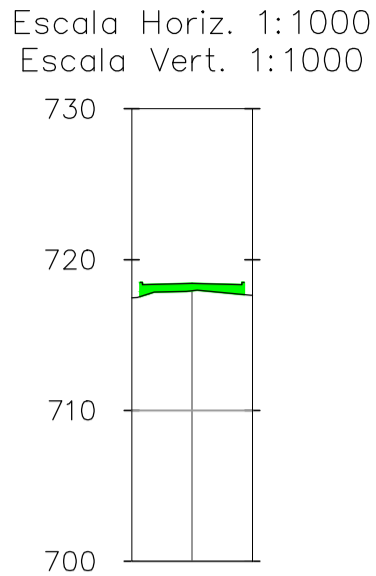
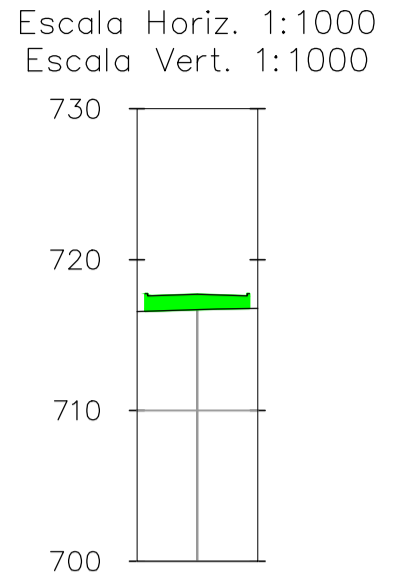
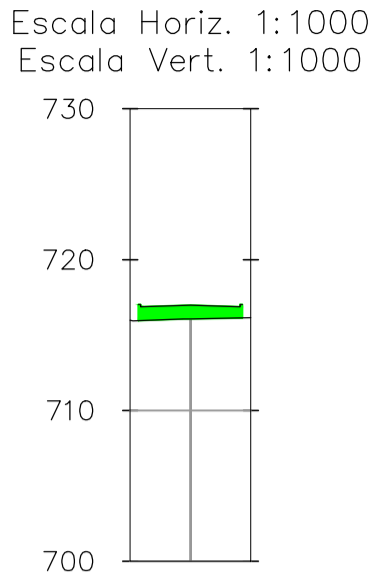
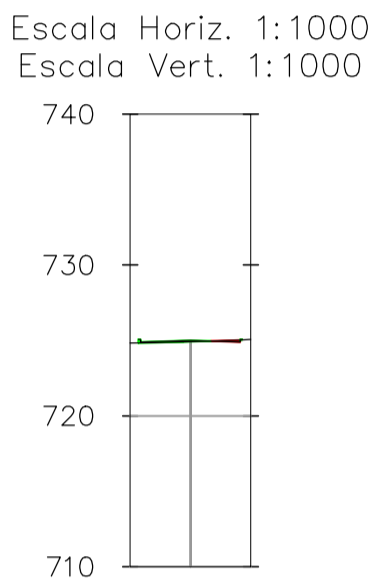


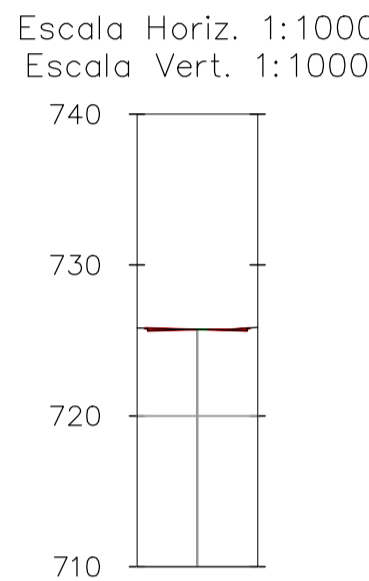
PERFIL 89– EIXO DA VIA 1+760.00 PERFIL 90– EIXO DA VIA 1+780.00 PERFIL 91– EIXO DA VIA 1+800.00 PERFIL 92– EIXO DA VIA 1+820.00 PERFIL 93– EIXO DA VIA 1+840.00 PERFIL 94– EIXO DA VIA 1+860.00 PERFIL 95– EIXO DA VIA 1+880.00 PERFIL 96– EIXO DA VIA 1+900.00 PERFIL 97– EIXO DA VIA 1+920.00 PERFIL 98– EIXO DA VIA 1+940.00 PERFIL 99– EIXO DA VIA 1+960.00



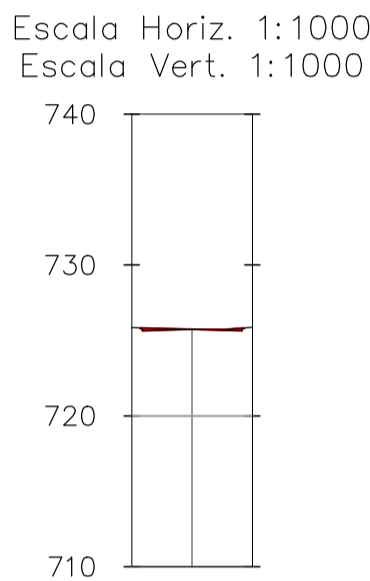
PERFIL 100– EIXO DA VIA 1+980.00



PERFIL 101– EIXO DA VIA 2+000.00



PERFIL 102– EIXO DA VIA 2+000.12



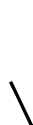
VOLUMES				
V. Corte Calculado (m³)	V. Aterro			
	V. Calculado (m³)	V. Taludes (m³)	Empolamento (%)	V. Final (m³)
3.290,04	1.501,62	322,30	25	2.279,90
VOLUME FINAL				1.010,14

LEGENDA	
CORTE	
ATERRO	

Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+000.00	0.00	0.00	0.00	0.00	0.00	0.00
0+020.00	0.35	0.39	3.54	3.85	3.54	3.85
0+040.00	0.32	0.38	6.74	7.69	10.27	11.55
0+060.00	0.29	0.52	6.07	9.02	16.34	20.57
0+080.00	0.17	0.65	4.53	11.68	20.87	32.25
0+100.00	0.08	0.76	2.44	14.12	23.31	46.38
0+120.00	0.02	0.82	1.01	15.79	24.32	62.17
0+140.00	0.00	0.81	0.23	16.26	24.55	78.43
0+160.00	0.00	0.73	0.00	15.42	24.56	93.84
0+180.00	0.00	0.56	0.00	12.93	24.56	106.78
0+200.00	0.00	0.32	0.00	8.82	24.56	115.60
0+220.00	0.02	0.21	0.16	5.31	24.72	120.91
0+240.00	0.13	0.74	1.51	9.51	26.22	130.42
0+260.00	0.00	0.81	1.34	15.52	27.57	145.93
0+280.00	0.00	1.98	0.00	27.95	27.57	173.88
0+300.00	0.00	3.18	0.00	51.62	27.57	225.50
0+320.00	0.00	4.42	0.00	75.96	27.57	301.46
0+340.00	0.00	5.66	0.00	100.79	27.57	402.25
0+360.00	0.00	6.89	0.00	125.48	27.57	527.73
0+380.00	0.00	6.57	0.00	134.53	27.57	662.27
0+400.00	0.00	6.80	0.00	133.68	27.57	795.94
0+420.00	0.00	7.21	0.00	140.12	27.57	936.06
0+440.00	0.00	7.74	0.00	149.54	27.57	1085.59
0+460.00	0.00	7.36	0.00	151.01	27.57	1236.61
0+480.00	0.00	6.87	0.00	142.29	27.57	1378.90
0+500.00	0.00	6.75	0.00	136.23	27.57	1515.13
0+520.00	0.00	6.82	0.00	135.73	27.57	1650.86
0+540.00	0.00	7.29	0.00	141.11	27.57	1791.97
0+560.00	0.00	13.72	0.00	210.05	27.57	2002.02
0+580.00	0.00	7.05	0.00	207.66	27.57	2209.68
0+600.00	0.00	5.30	0.00	123.49	27.57	2333.17
0+620.00	0.00	3.23	0.00	85.30	27.57	2418.46

0+640.00	0.00	2.73	0.00	59.56	27.57	2478.02
0+660.00	0.00	2.53	0.00	52.59	27.57	2530.61
0+680.00	0.00	1.71	0.00	42.47	27.57	2573.08
0+700.00	0.00	1.07	0.00	27.79	27.57	2600.87
0+720.00	0.00	0.63	0.00	16.99	27.57	2617.86
0+740.00	0.01	0.42	0.12	10.54	27.69	2628.40
0+760.00	0.03	0.40	0.40	8.19	28.09	2636.59
0+780.00	0.00	0.65	0.28	10.44	28.37	2647.03
0+800.00	0.00	1.39	0.00	20.41	28.37	2667.44
0+820.00	0.06	1.72	0.62	31.11	28.99	2698.55
0+840.00	0.16	1.71	2.20	34.23	31.19	2732.78
0+860.00	0.12	0.92	2.82	26.26	34.01	2759.03
0+880.00	0.00	4.03	1.24	49.45	35.24	2808.48
0+900.00	0.00	1.16	0.00	51.81	35.24	2860.29
0+920.00	1.38	0.07	13.80	12.28	49.04	2872.58
0+940.00	1.42	0.02	28.02	0.98	77.07	2873.56
0+960.00	0.72	0.11	21.38	1.32	98.44	2874.87
0+980.00	0.00	0.88	7.15	9.89	105.59	2884.77
1+000.00	0.02	0.83	0.17	17.08	105.76	2901.84
1+020.00	0.38	0.19	3.93	10.15	109.69	2911.99
1+040.00	1.08	0.00	14.58	1.91	124.27	2913.91
1+060.00	1.49	0.00	25.75	0.02	150.02	2913.93
1+080.00	1.50	0.00	29.88	0.00	179.90	2913.93
1+100.00	0.21	0.13	17.03	1.28	196.93	2915.21
1+120.00	0.26	0.10	4.66	2.28	201.59	2917.49
1+140.00	0.03	0.29	2.93	3.93	204.52	2921.43
1+160.00	0.05	0.33	0.79	6.27	205.31	2927.70
1+180.00	0.09	0.42	1.37	7.53	206.68	2935.23
1+200.00	0.10	0.42	1.92	8.37	208.60	2943.60
1+220.00	0.07	0.31	1.75	7.27	210.36	2950.87
1+240.00	0.63	0.02	7.06	3.31	217.42	2954.18
1+260.00	0.80	0.04	14.28	0.65	231.70	2954.83
1+280.00	1.36	0.00	21.60	0.42	253.29	2955.25
1+300.00	1.84	0.00	32.06	0.00	285.35	2955.25
1+320.00	2.38	0.00	42.24	0.00	327.59	2955.25

1+340.00	1.48	0.02	38.64	0.22	366.23	2955.47
1+360.00	1.37	0.13	28.59	1.48	394.82	2956.95
1+380.00	1.30	0.09	26.72	2.19	421.54	2959.14
1+400.00	1.21	0.06	25.12	1.53	446.66	2960.67
1+420.00	1.18	0.00	23.92	0.60	470.57	2961.27
1+440.00	1.23	0.00	24.07	0.00	494.64	2961.27
1+460.00	0.01	0.46	12.38	4.61	507.01	2965.88
1+480.00	0.00	1.11	0.13	15.75	507.15	2981.63
1+500.00	0.02	1.49	0.20	26.08	507.35	3007.71
1+520.00	0.02	1.59	0.38	30.84	507.73	3038.55
1+540.00	0.08	1.47	1.01	30.56	508.74	3069.11
1+560.00	0.21	1.14	2.92	26.10	511.65	3095.21
1+580.00	0.39	0.74	6.06	18.89	517.71	3114.10
1+600.00	0.02	1.79	4.11	25.39	521.83	3139.49
1+620.00	0.01	2.47	0.23	42.61	522.06	3182.10
1+640.00	0.00	2.34	0.10	48.11	522.16	3230.20
1+660.00	0.02	1.33	0.23	36.70	522.39	3266.90
1+680.00	0.64	0.00	6.61	13.26	529.00	3280.15
1+700.00	2.08	0.00	27.23	0.00	556.23	3280.15
1+720.00	1.77	0.00	38.48	0.00	594.71	3280.15
1+740.00	3.77	0.00	55.35	0.00	650.07	3280.15
1+760.00	5.95	0.00	97.13	0.00	747.20	3280.15
1+780.00	6.73	0.00	126.71	0.00	873.90	3280.15
1+800.00	3.81	0.00	105.34	0.00	979.24	3280.15
1+820.00	3.26	0.00	70.71	0.00	1049.96	3280.15
1+840.00	2.49	0.00	57.54	0.00	1107.49	3280.15
1+860.00	1.49	0.00	39.80	0.00	1147.29	3280.15
1+880.00	1.56	0.12	30.51	1.19	1177.80	3281.34
1+900.00	2.37	0.01	39.30	1.30	1217.11	3282.65
1+920.00	3.91	0.00	62.78	0.12	1279.88	3282.76
1+940.00	6.25	0.00	101.58	0.00	1381.46	3282.76
1+960.00	2.51	0.00	87.59	0.00	1469.05	3282.76
1+980.00	0.37	0.12	28.85	1.16	1497.90	3283.92
2+000.00	0.00	0.49	3.72	6.06	1501.62	3289.98
2+000.12	0.00	0.50	0.00	0.06	1501.62	3290.04



NOTAS

LEGENDA

MAPA-CHAVE

ATUALIZAÇÃO

CONTRATADA:	 CARVALHO AMARAL ENGENHARIA	CARVALHO AMARAL ENGENHARIA CNPJ Nº: 16.783.066/0001-35 Avenida Mestre Firmino, nº 728, 1º andar Centro, Montes Claros/MG, CEP: 38400-074	RESP. TEC. VITOR SOARES RAMOS REG. CREA-MG: 241.720/D
CONTRATANTE:	 PREFEITURA MUNICIPAL DE ENGENHEIRO NAVARRO/MG	PREFEITURA MUNICIPAL DE ENGENHEIRO NAVARRO/MG CNPJ Nº: 17.697.152/0001-98 Rua José Marques Galvão, 329 Centro, Engenheiro Navarro/MG, CEP: 36.563-000	MUNICÍPIO/ÁREA: MUNICÍPIO DE ENGENHEIRO NAVARRO RESPONSÁVEL CONTRATANTE: PREF. MUNICIPAL DE ENG. NAVARRO
TÍTULO:		PROJETO DE TERRAPLANAGEM ESTRADA DE ACESSO A COMUNIDADE SÃO NORBERTO PERFIS TRANSVERSAIS COM NÍVEL DE CORTE E ATERRO E TABELA COM CÁLCULO DE VOLUME	ENDEREÇO DA OBRA: ESTRADA DE ACESSO A COMUNIDADE SÃO NORBERTO DO MUNICÍPIO DE ENGENHEIRO NAVARRO-MG
DATA:		24/03/2023	ESCALA: INDICADA
ARQUIVO:		DE-2023.1719-MG.ENG-EST-EXE.001=0	PRANCHA: 06/06

1 – Medidas em centímetros.