

SITE: www.amm.org.br

E-MAIL: centraldeprojetosamm@gmail.com

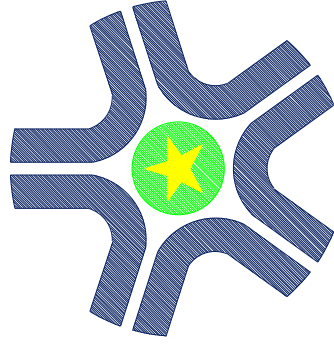
PROJETO DE PAVIMENTAÇÃO ASFÁLTICA, DRENAGEM URBANA, SINALIZAÇÃO VIÁRIA E PASSEIO PÚBLICO

Proprietário: Prefeitura Municipal de ARAPUTANGA- MT

J: 15.023.914/0001-45

Local: BAIRRO JD. VILLAGE: Rua C, Rua D, Rua E, Rua F, Rua O, Rua P, Rua Q, Rua R, Rua
Oswaldo A. deCampos e Rua Manoel S. dos Santos

BAIRRO JD. PRIMAVERA: Rua Carlos Chagas, Rua Princesa Izabel, Rua 07 e Rua 09



SITE: www.amm.org.br

E-MAIL: centraldeprojetosamm@gmail.com

PROJETO DE PAVIMENTAÇÃO ASFÁLTICA, DRENAGEM URBANA, SINALIZAÇÃO VIÁRIA E PASSEIO PÚBLICO

Proprietário: Prefeitura Municipal de ARAPUTANGA- MT

CNPJ: 15.023.914/0001-45

Endereço:

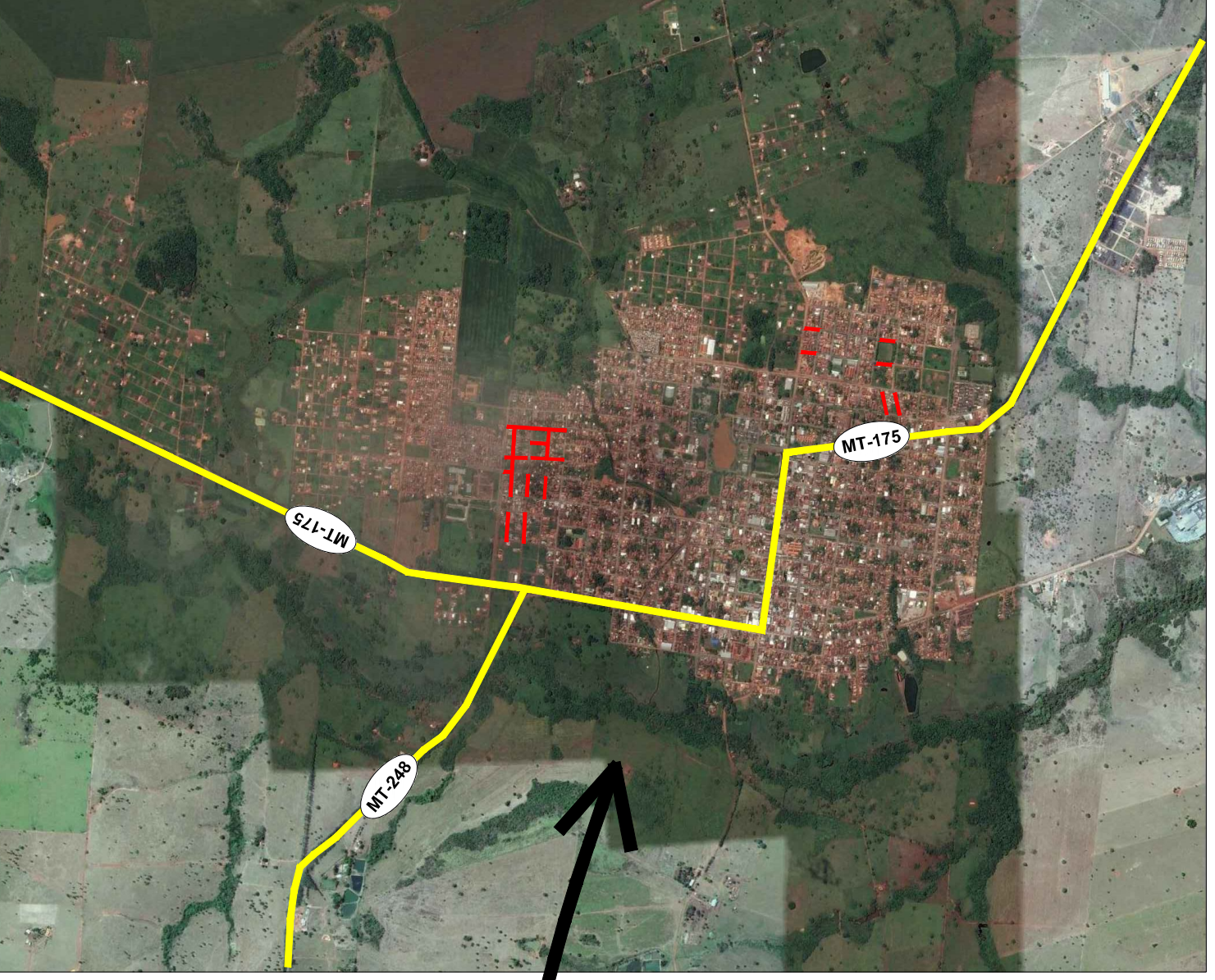
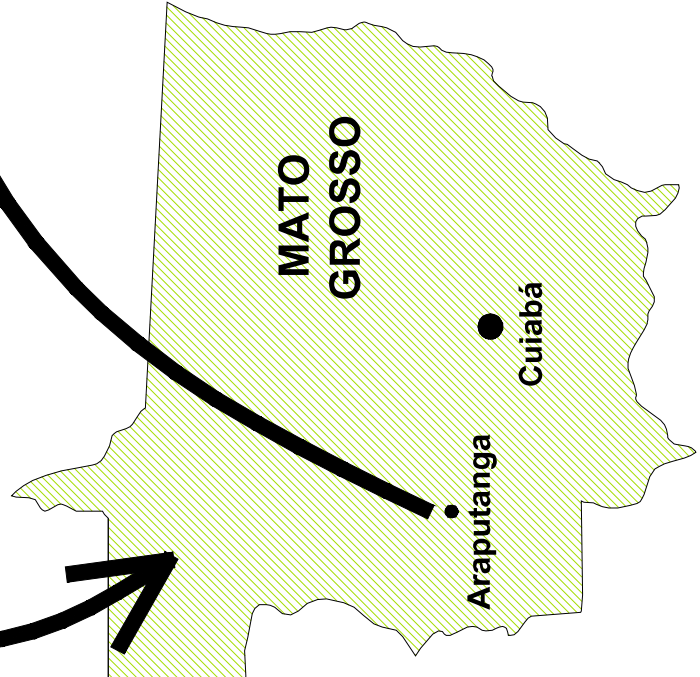
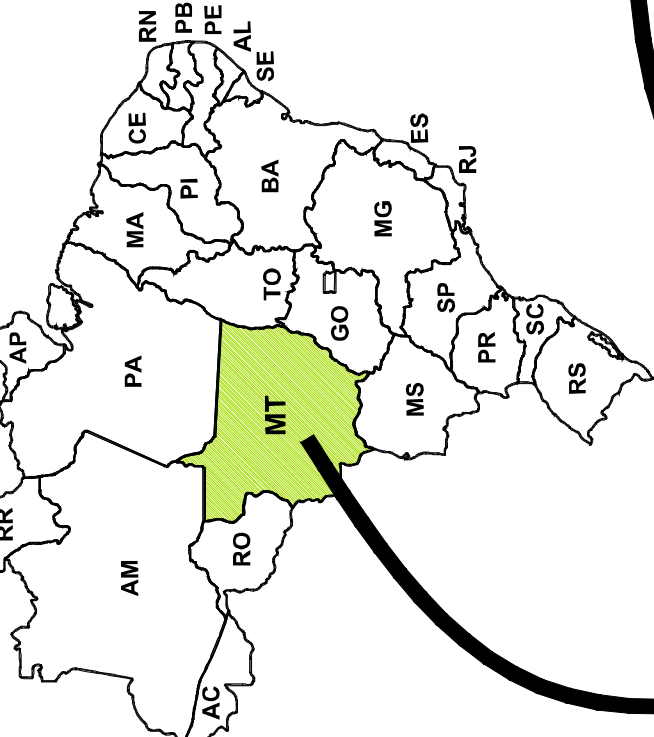
BAIRRO JD. VILLAGE: Rua C, Rua D, Rua E, Rua F, Rua O, Rua P, Rua Q, Rua R, Rua
Oswaldo A. deCampos e Rua Manoel S. dos Santos

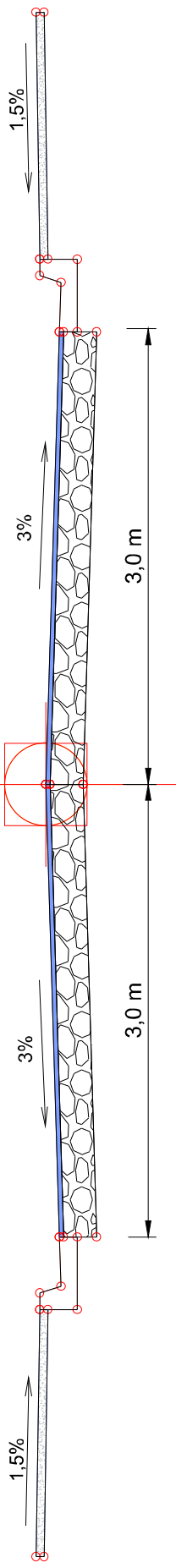
BAIRRO JD. PRIMAVERA: Rua Carlos Chagas, Rua Princesa Izabel, Rua 07 e Rua 0

Colaboração : Associação Mato-grossense dos Municípios

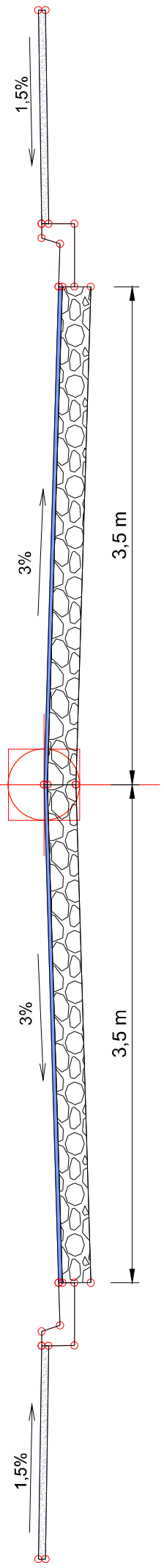
Resp. Técnicos: Flávia Fernandes Lima Cunha / CREA 121416547-8

Rafael Nicodemos Bruzzon / CREA 121366604-0

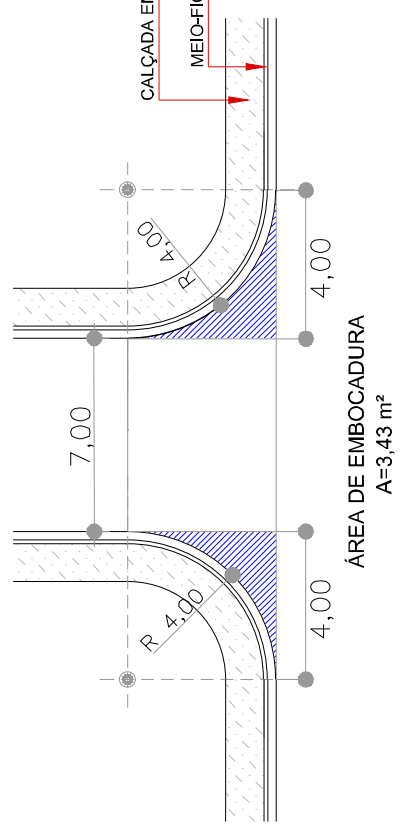
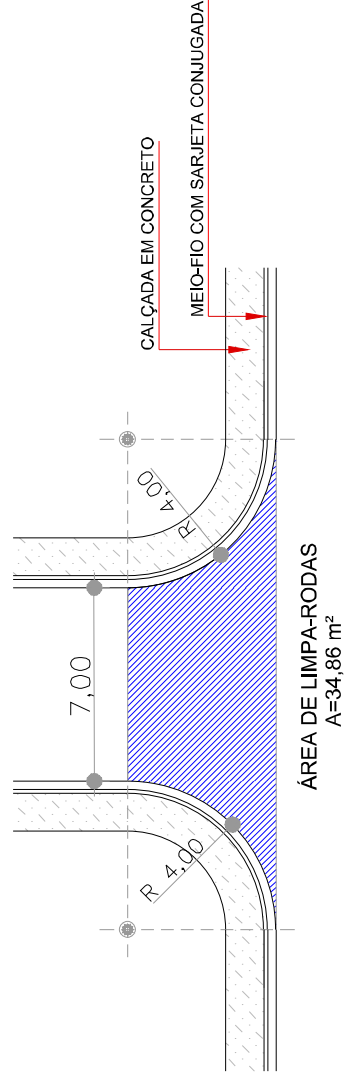




RUAS BAIRRO JD. VILLAGE



LIMPA RODAS E EMBOCADURAS





BAIRRO JD. VILAGE

RUA R

RUA B

CRECHE
PINGO DE
GENTE

RUA OSVALDO ALVAREZ DE CAMPOS

RUA C

RUA F

RUA D

RUA MARANHÃO

RUA "E" PROJETADA

RUA O

RUA MARECHAL RONDON

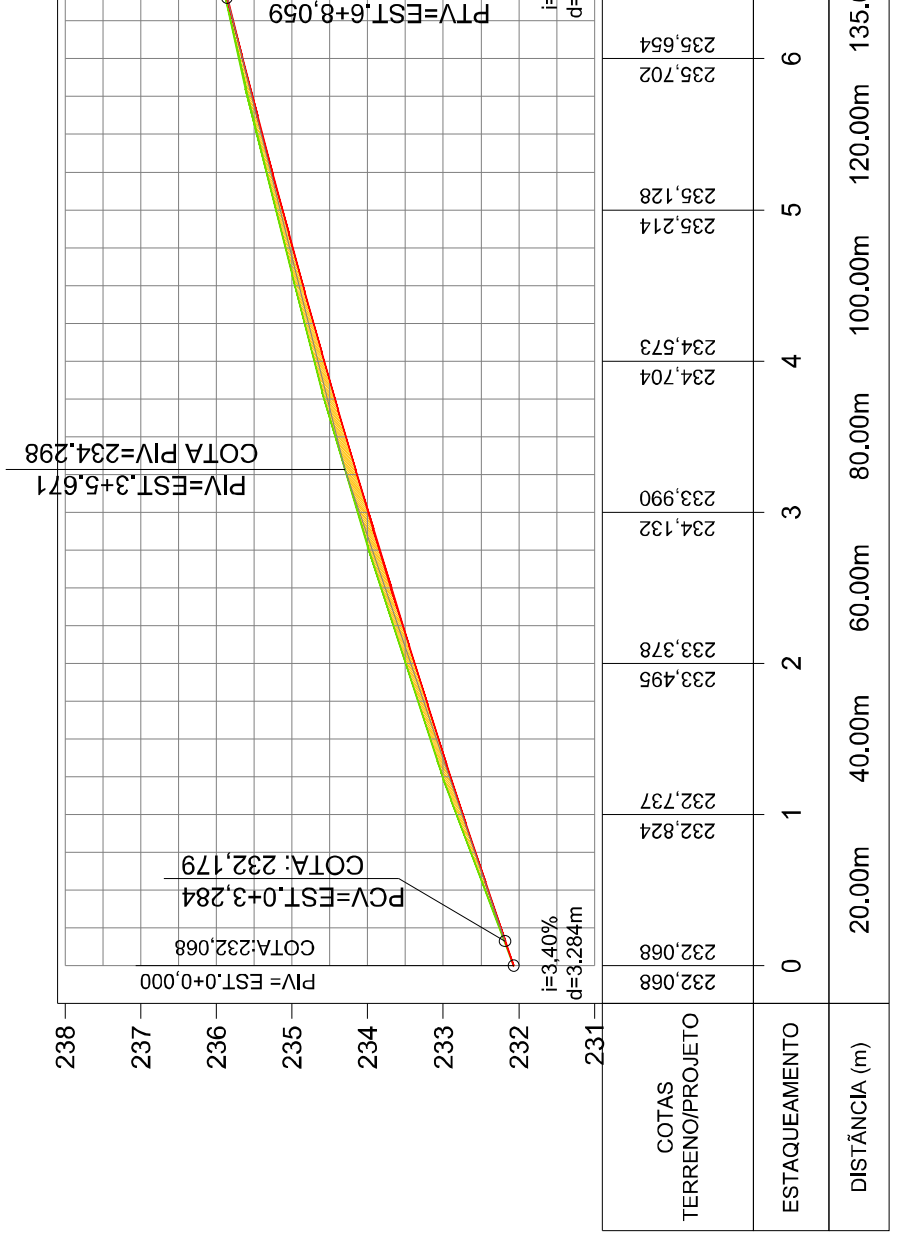
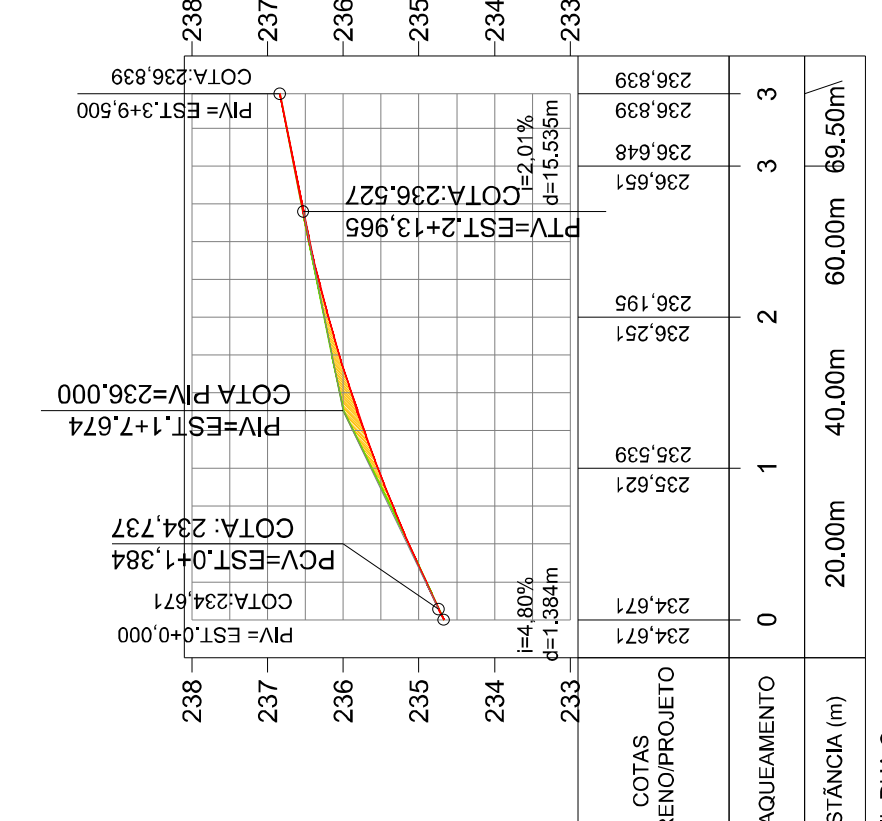
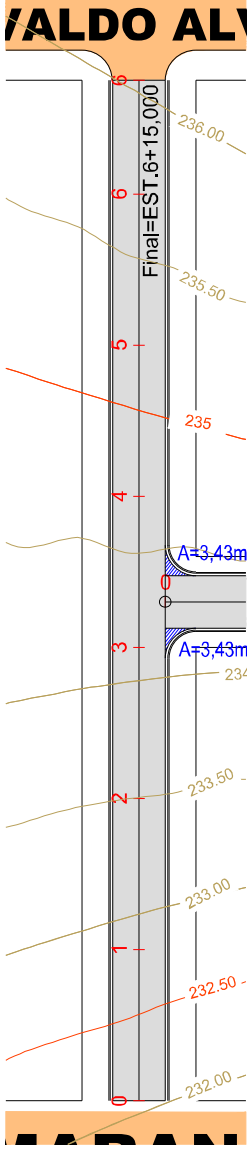
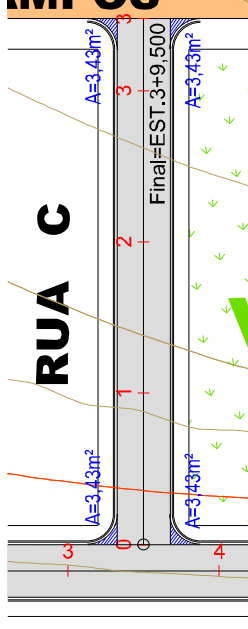
RUA ANA DE ARAÚJO MOREIRA

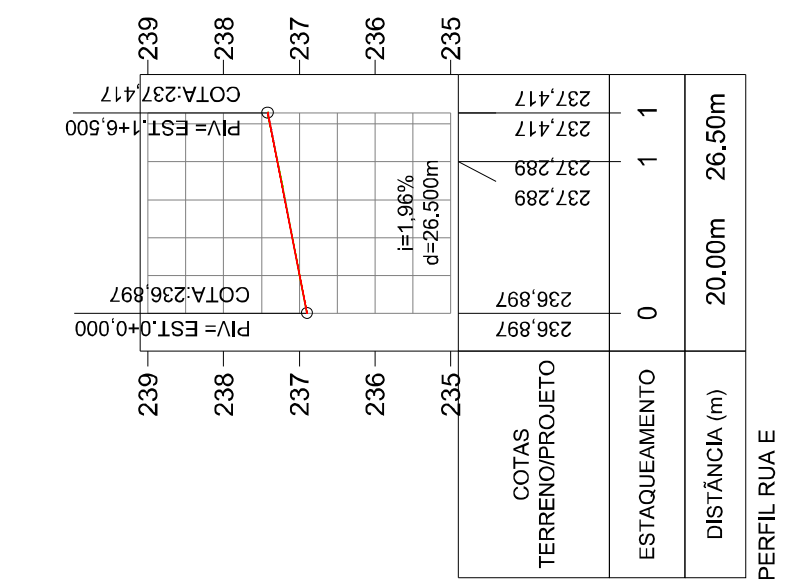
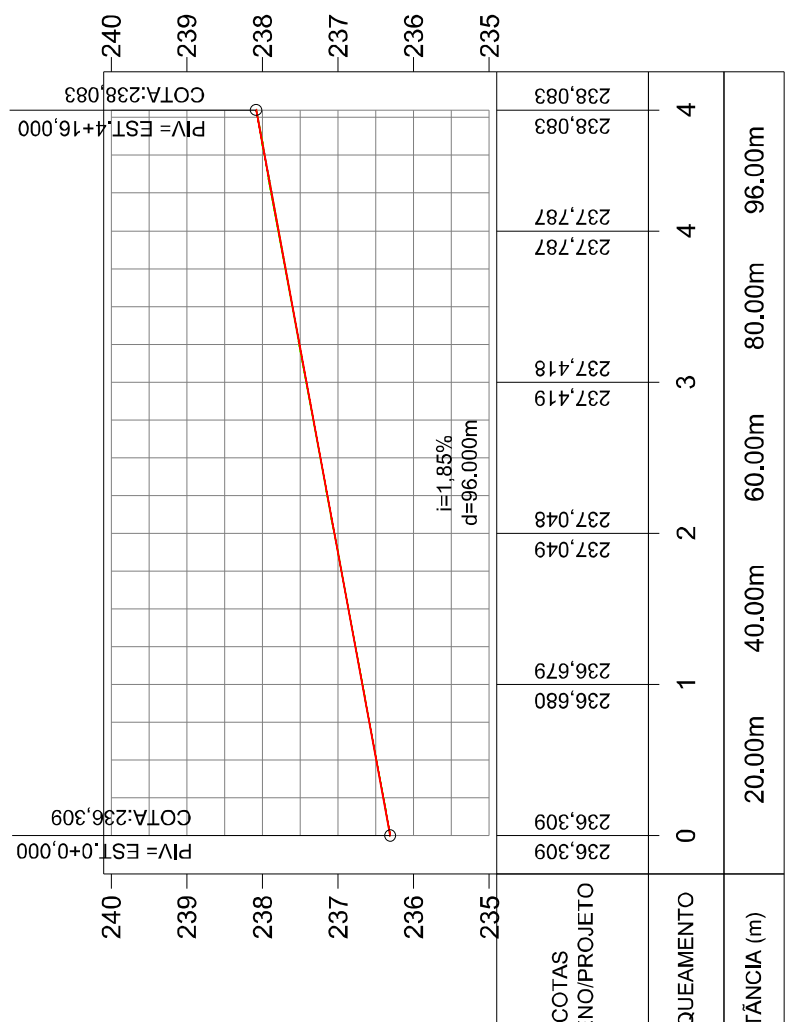
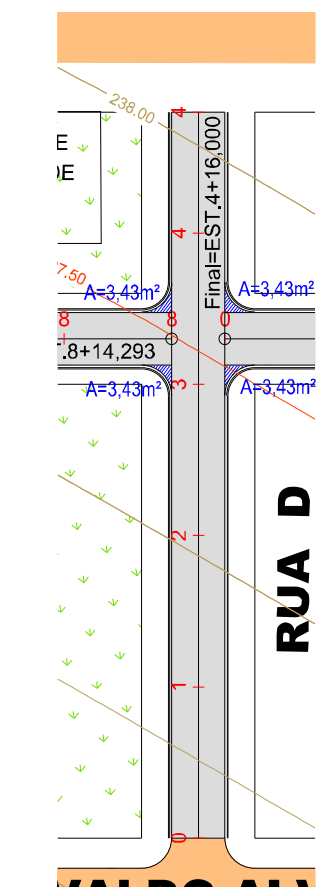
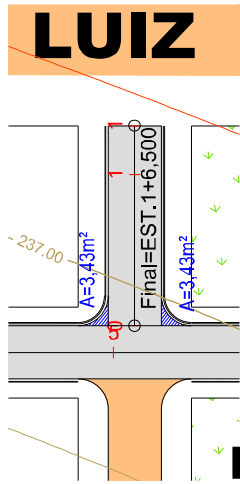
RUA

RUA P

RUA VEIRA

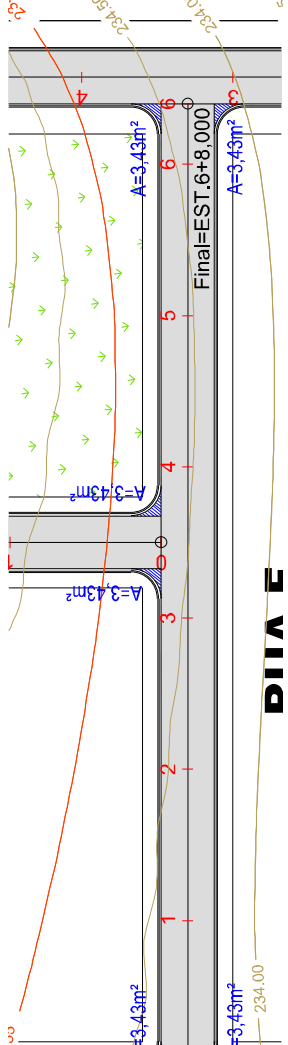
29



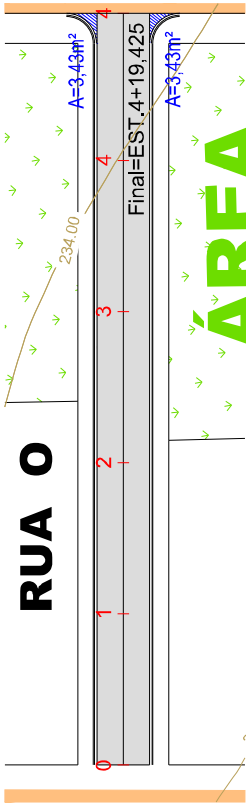


- RUA D - TRECHO 02

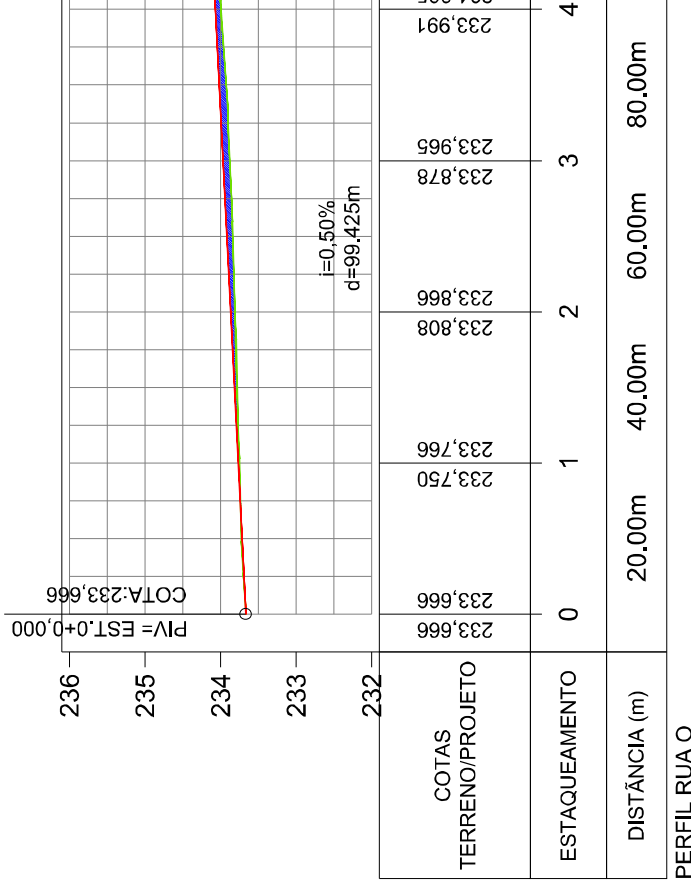
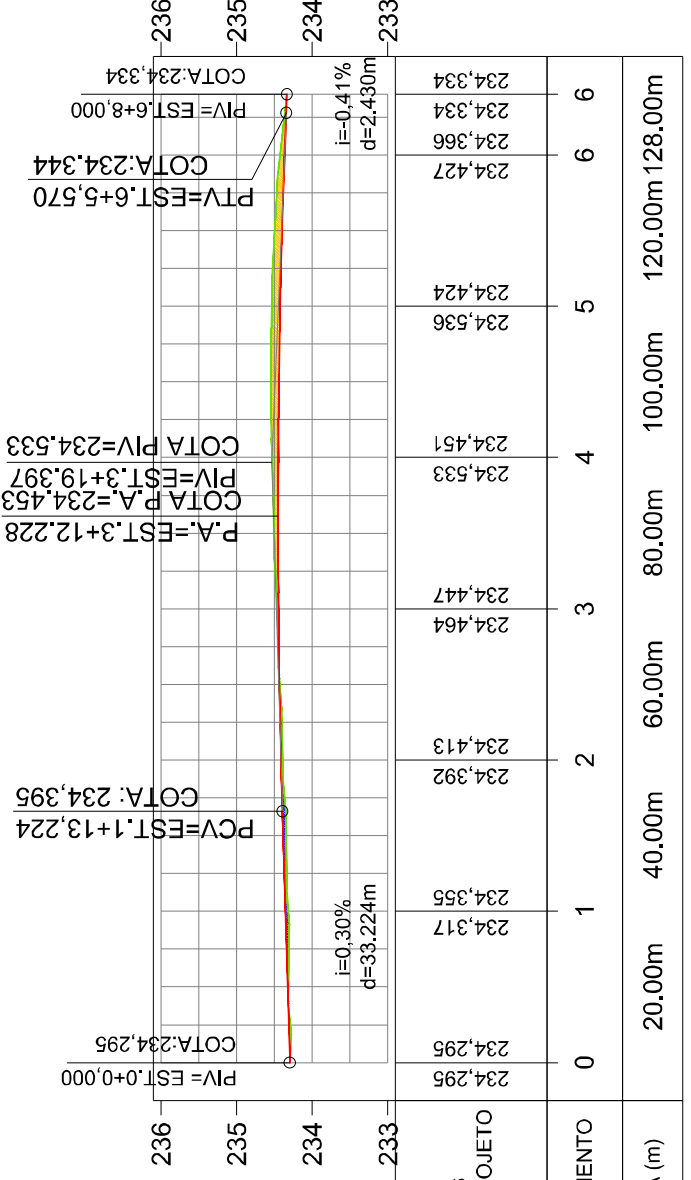




DIA E



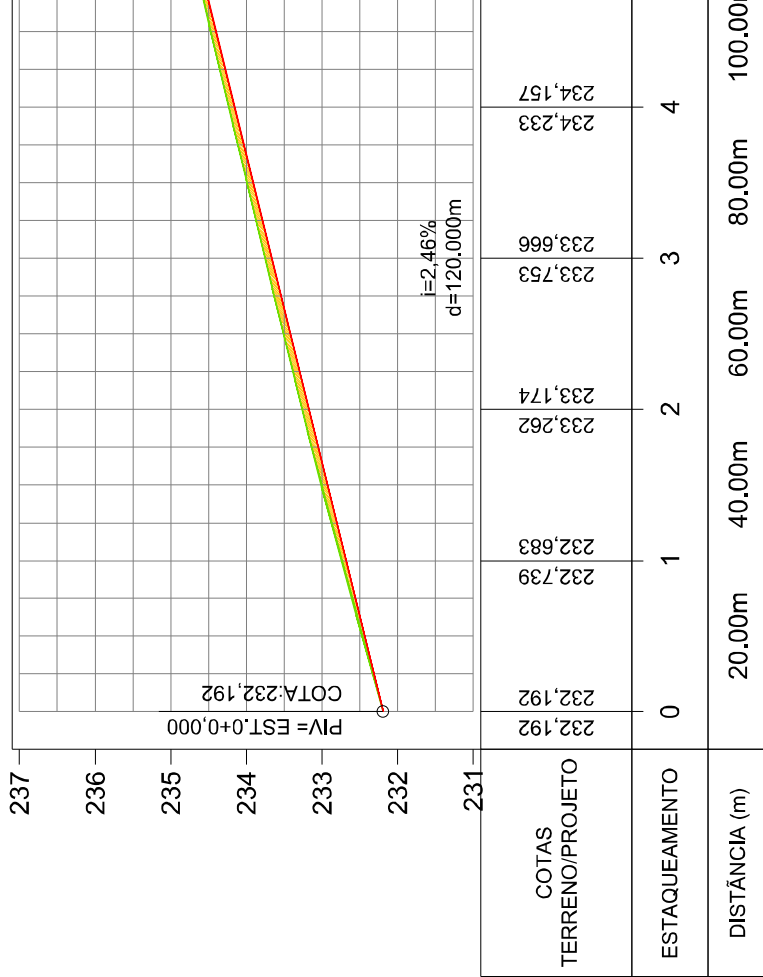
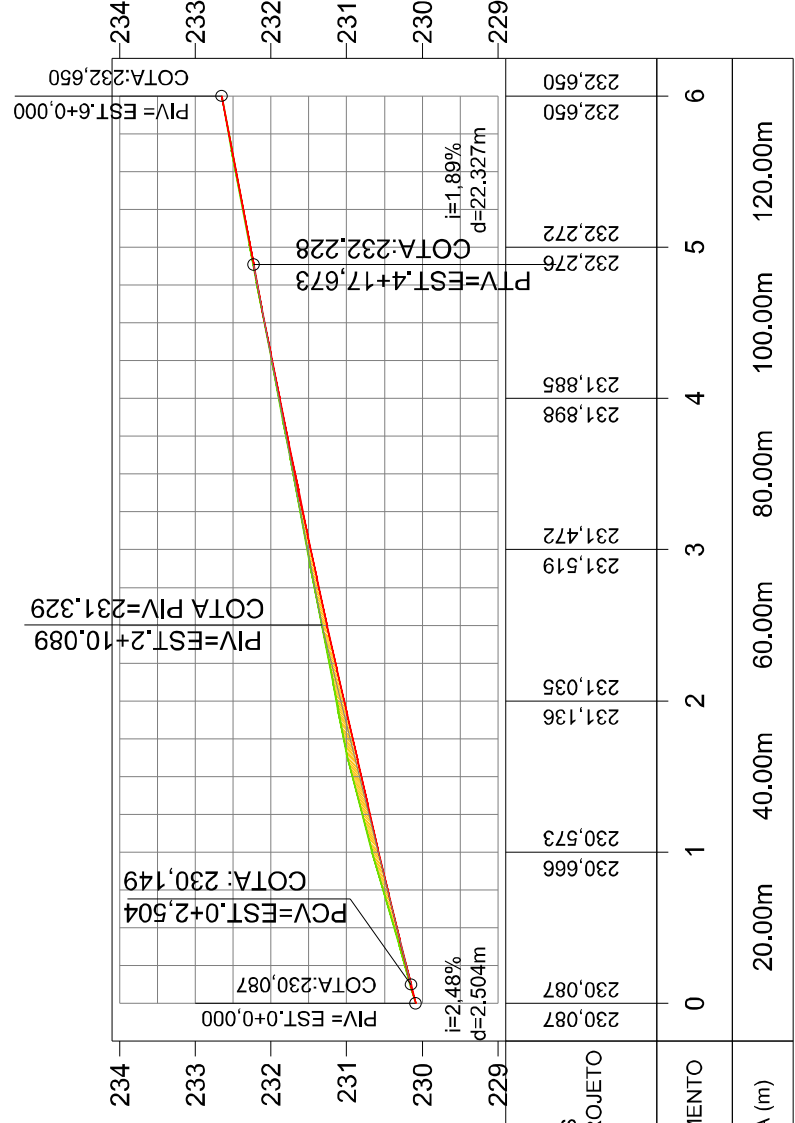
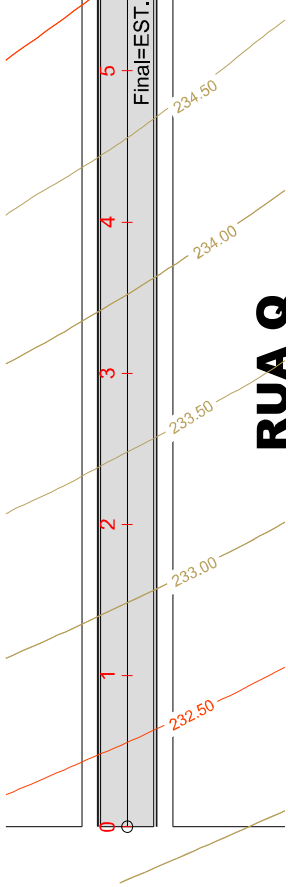
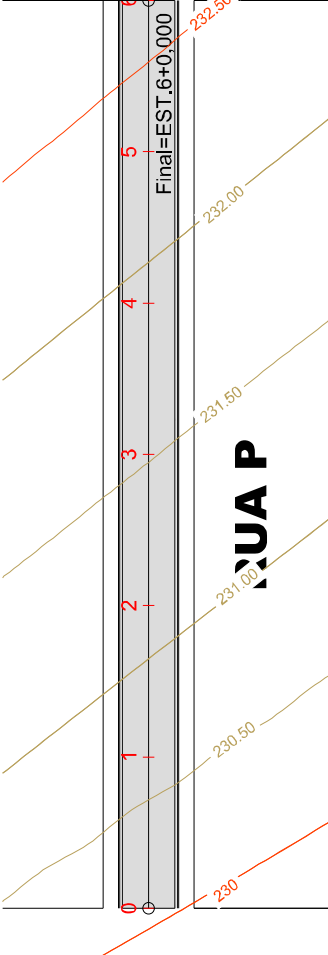
RUA O

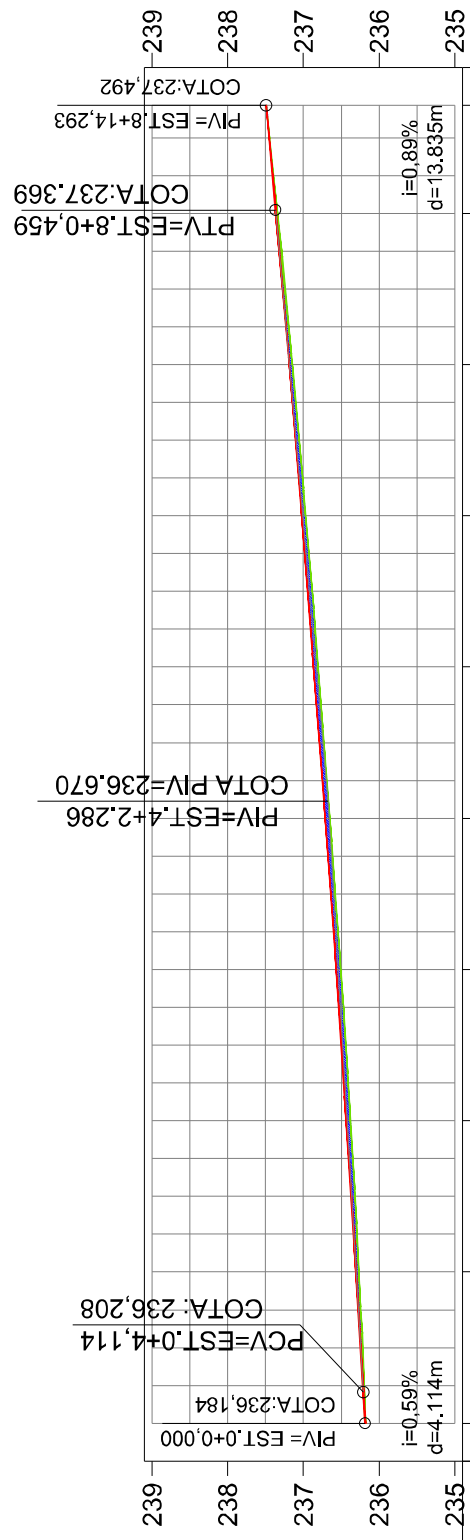
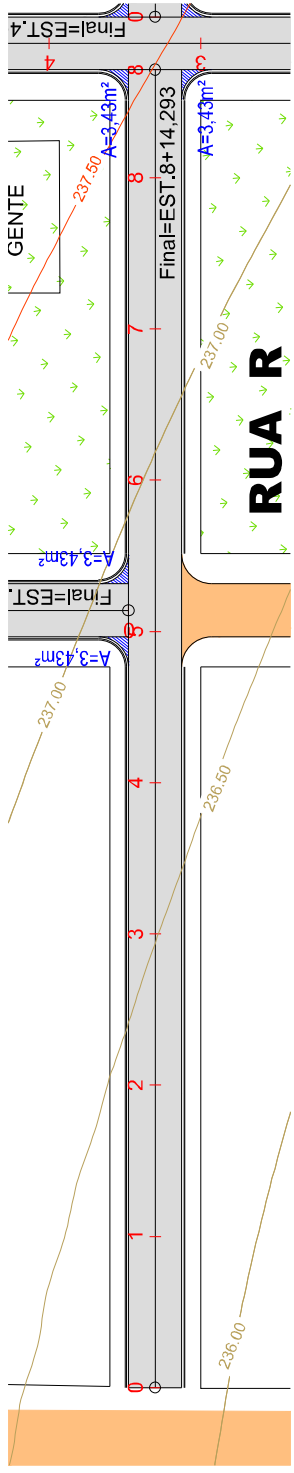


COTAS TERRENO/PROJETO	ESTAQUEAMENTO	DISTÂNCIA (m)	PERFIL RUA O
233,991	0	20,00m	0
233,965	1	40,00m	1
233,878	2	60,00m	2
233,808	3	80,00m	3
233,766	4		4

OBJETO	ESTAQUEAMENTO	DISTÂNCIA (m)	PERFIL DIA E
234,295	0	20,00m	0
234,317	1	40,00m	1
234,413	2	60,00m	2
234,464	3	80,00m	3
234,447	4	100,00m	4
234,536	5	120,00m	5
234,424	6	128,00m	6
234,366	6		6
234,334	6		6

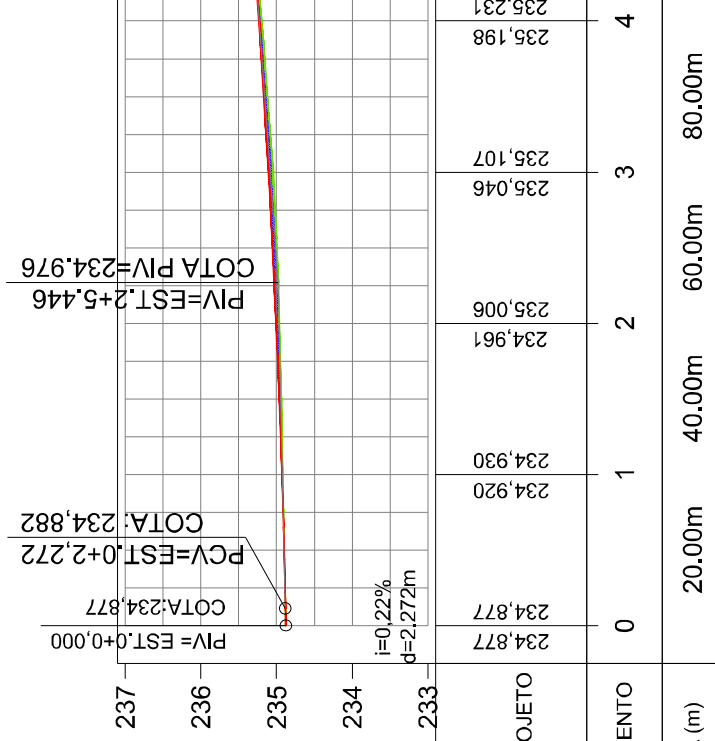
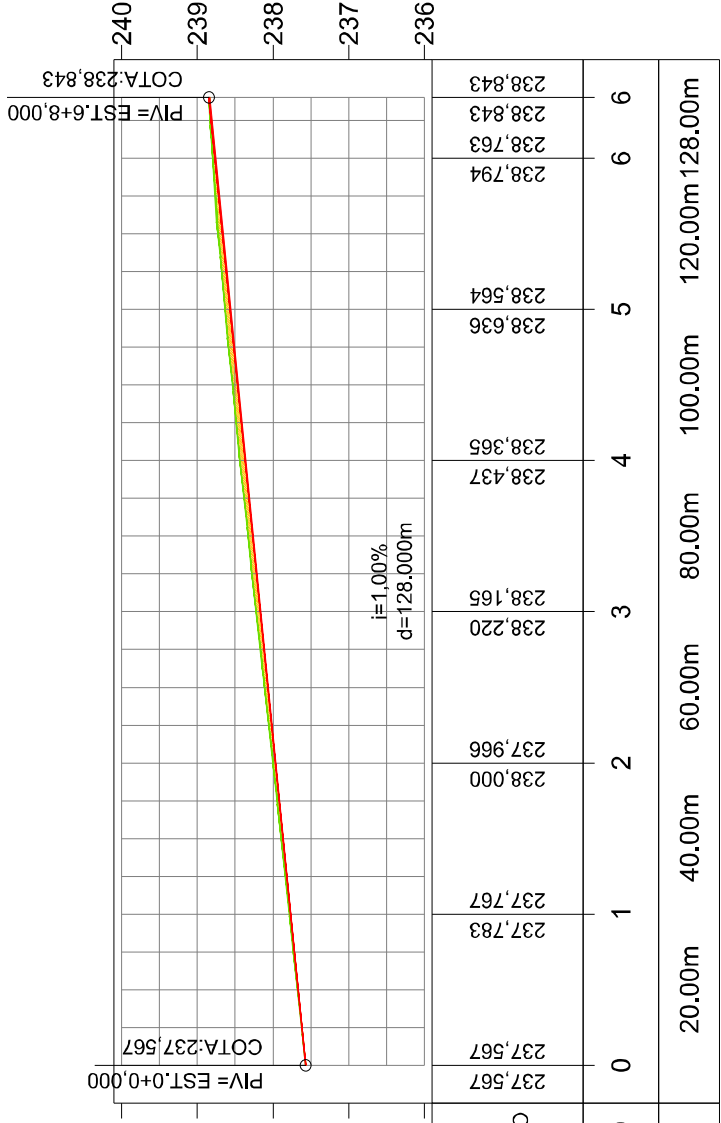
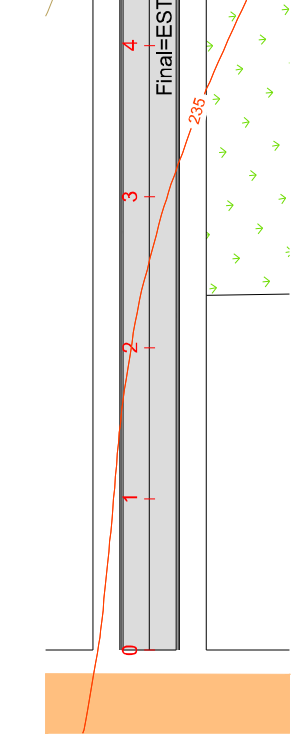
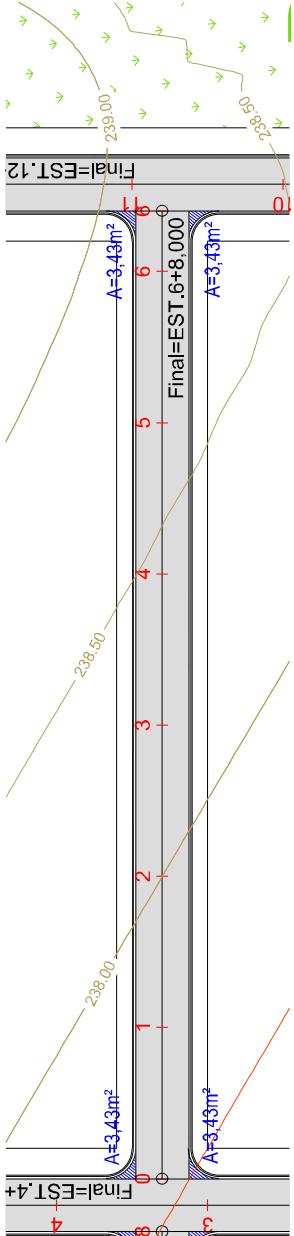






COTAS TERRENO/PROJETO	ESTAQUEAMENTO	DISTÂNCIA (m)
236,184	0	20,00m
236,304	1	40,00m
236,375	2	60,00m
236,433	3	80,00m
236,509	4	100,00m
236,569	5	120,00m
236,653	6	140,00m
236,712	7	160,00m
236,712	8	174,29m

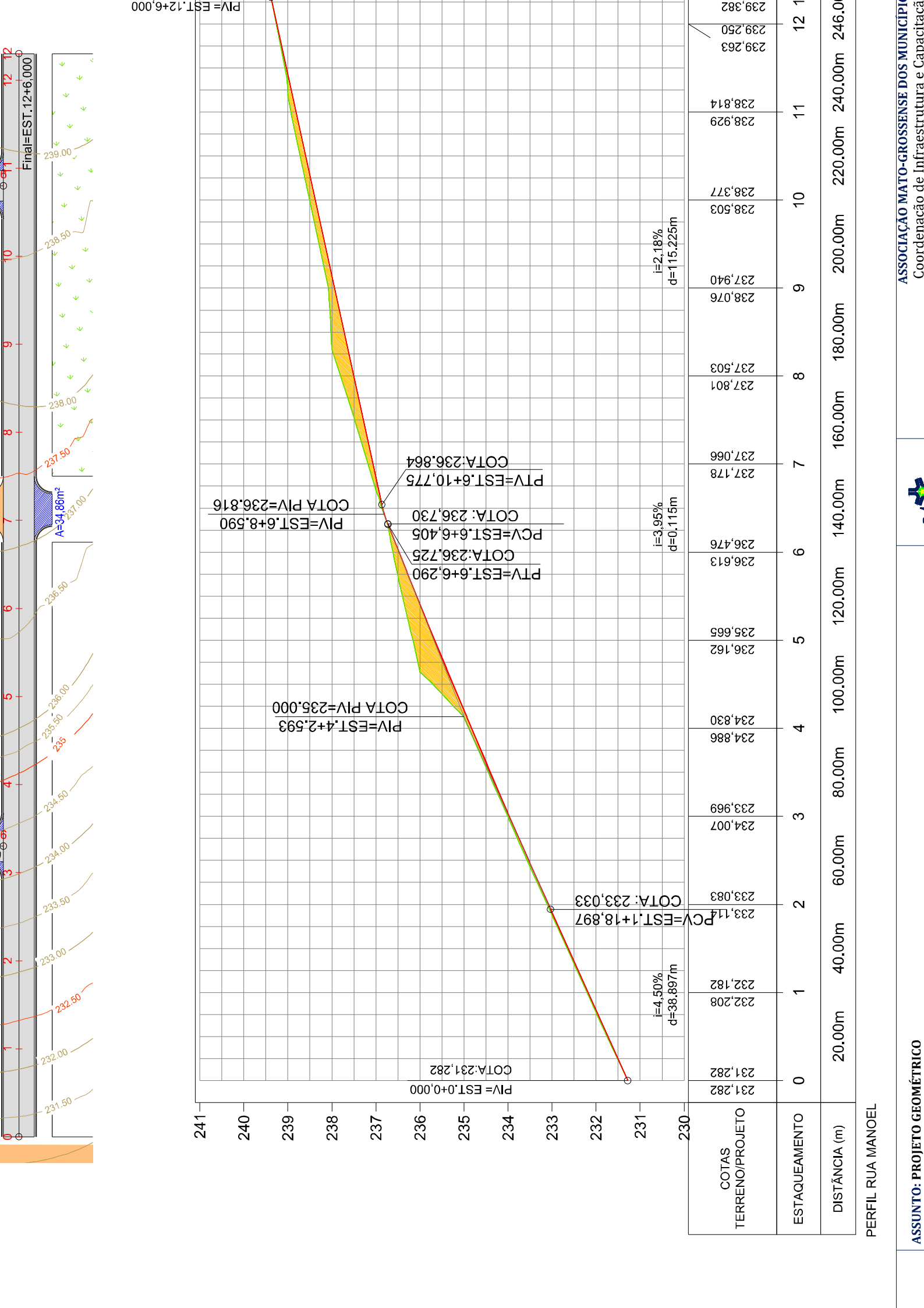
PERFIL RUA R - TRECHO 01



COTAS TERRENO/PROJETO	ESTAKEAMENTO	DISTÂNCIA (m)
234,877	0	20.00m
234,920	1	40.00m
234,961	2	60.00m
235,046	3	80.00m
235,198	4	

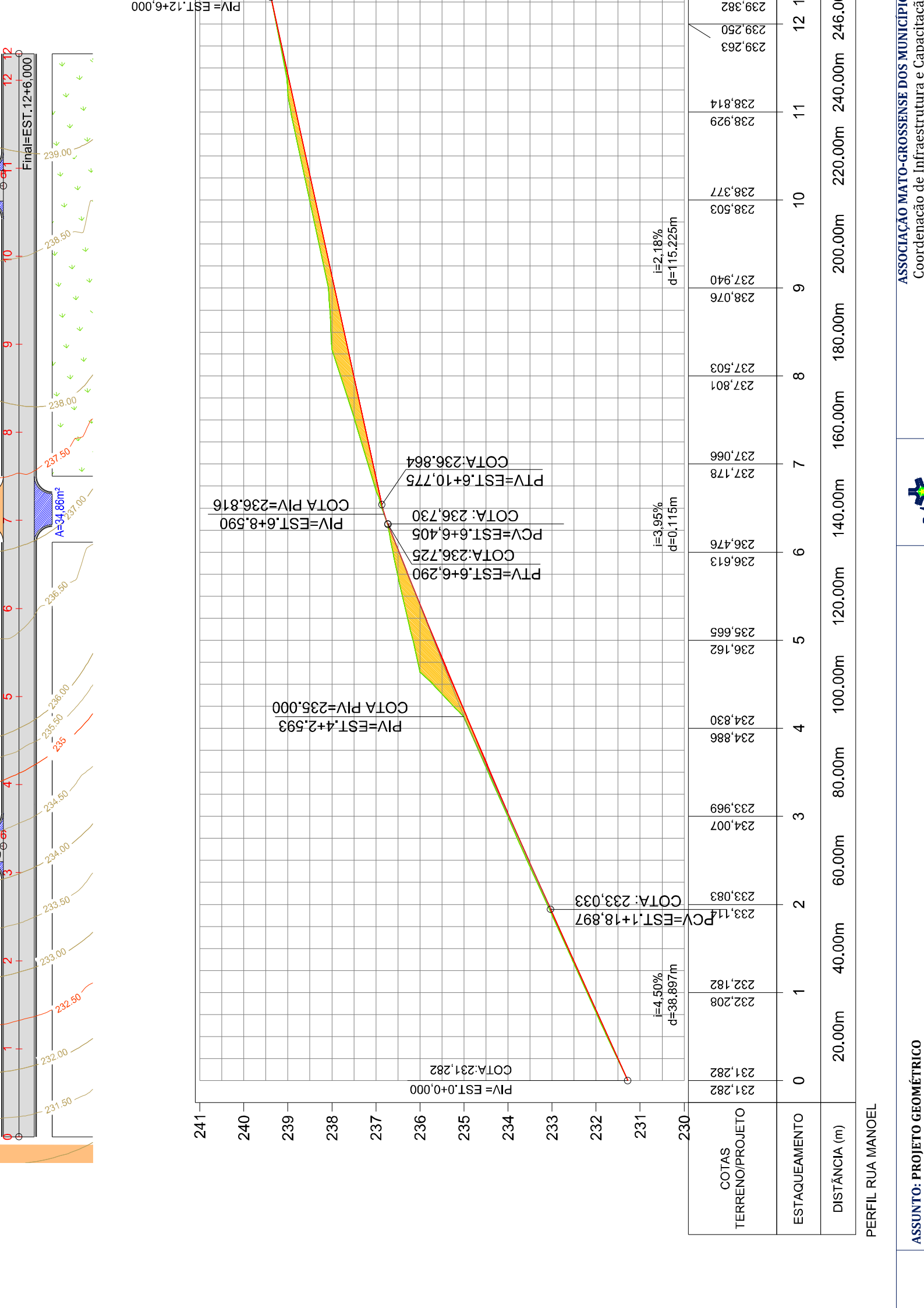
CHOCO 02

PERFIL RUA OSVALDO



COTAS TERRENO/PROJETO	ESTAGUEAMENTO	DISTÂNCIA (m)
231,282	0	20.00m
232,208	1	40.00m
232,182	1	40.00m
233,114	2	40.00m
233,083	2	60.00m
234,007	3	60.00m
233,969	3	80.00m
234,886	4	80.00m
234,830	4	100.00m
236,162	5	100.00m
235,665	5	120.00m
236,613	6	120.00m
236,476	6	140.00m
237,178	7	140.00m
237,066	7	160.00m
237,801	8	160.00m
237,503	8	180.00m
238,076	9	180.00m
237,940	9	200.00m
238,503	10	200.00m
238,377	10	220.00m
238,929	11	220.00m
238,814	11	240.00m
239,263	12	240.00m
239,382	12	246.00m

PERFIL RUA MANOEL



ESTACIONAMENTO	ELEVACÃO (m)
0+000	231.50
1+000	232.50
2+000	233.00
3+000	233.50
4+000	234.00
5+000	234.50
6+000	235.00
7+000	236.00
8+000	237.00
9+000	238.00
10+000	238.50
11+000	239.00
12+000	239.50
12+6000	239.82

Final=EST.12+6,000

A=34,86m²

PIV=EST.0+0,000 COTA:231,282

PCV=EST.1+18,897 COTA:233,033

PIV=EST.4+2,593 COTA PIV=235,000

PCV=EST.6+6,405 COTA:236,725

PIV=EST.6+8,590 COTA PIV=236,816

PIV=EST.6+10,775 COTA:236,864

PIV=EST.6+8,590 COTA PIV=236,816

i=4.50% d=38.897m

i=3.95% d=0.115m

i=2.18% d=115.225m



BAIRRO JO. PRIMAVERA

RUA BARÃO DO AMAZONAS

RUA PRINCESA ISABEL

RUA CARLOS CHAGAS

RUA CARADJURU

RUA AUGUSTO GONÇALVES DE SOUZA

RUA MARQUÊS DE POMBAL

RUA MAMEDES LEÃO

Rua Antônio Maria

RUA CAFÉ FILHO

ALMIRANTE BARROSO

RUA CERIL

ESIDENTE MÉDICI

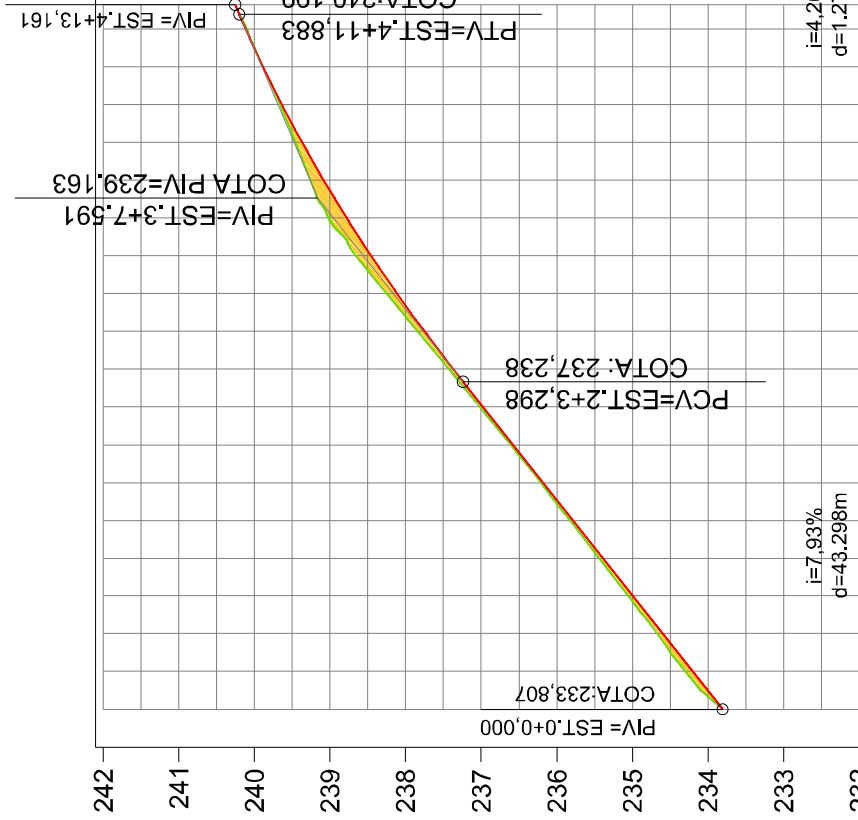
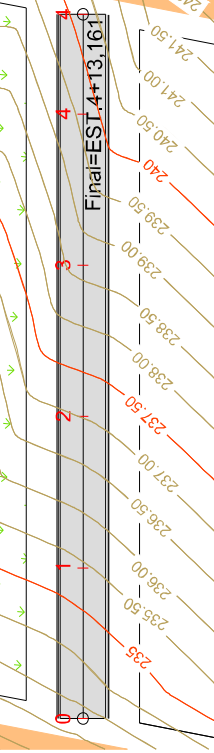
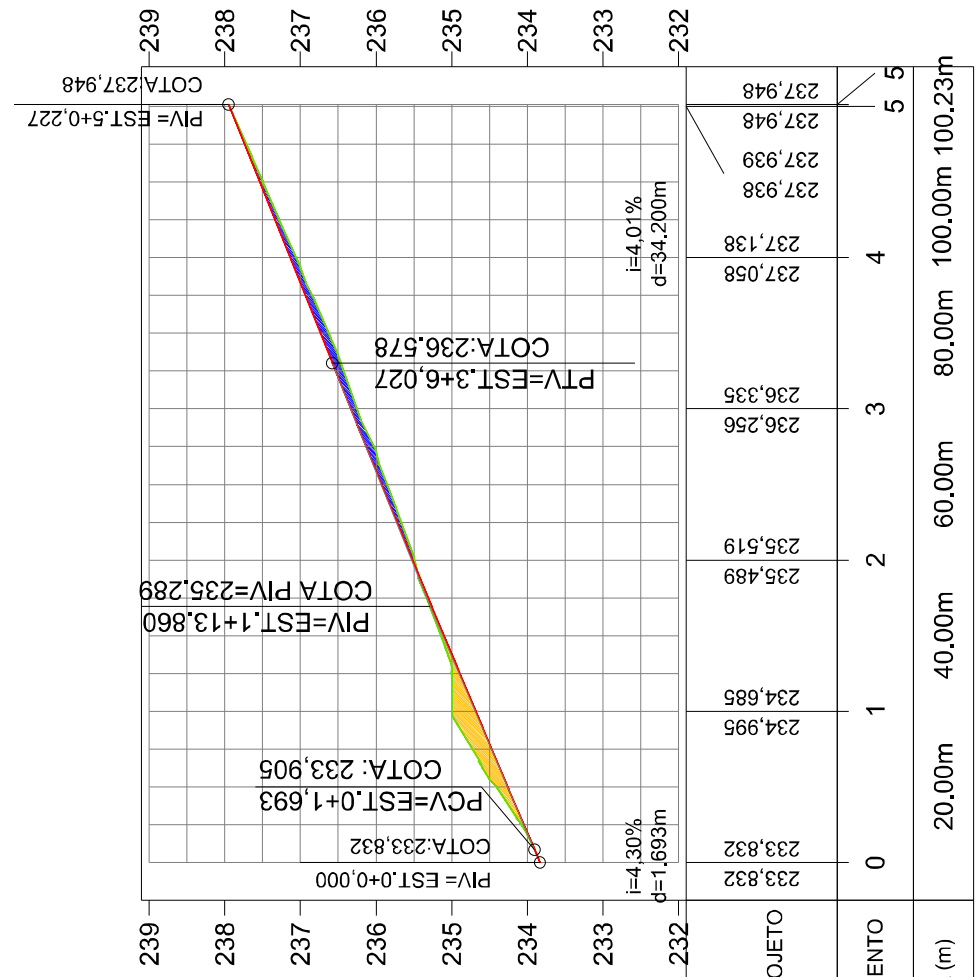
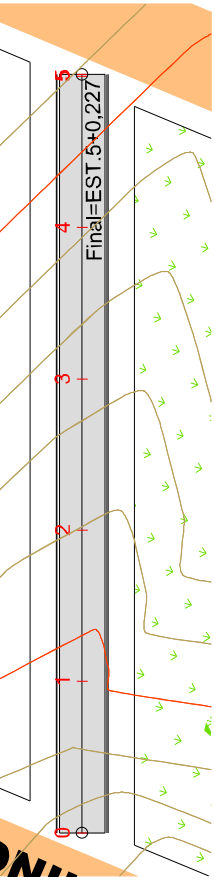
TARIA
RAS

RUA 07

RUA 09

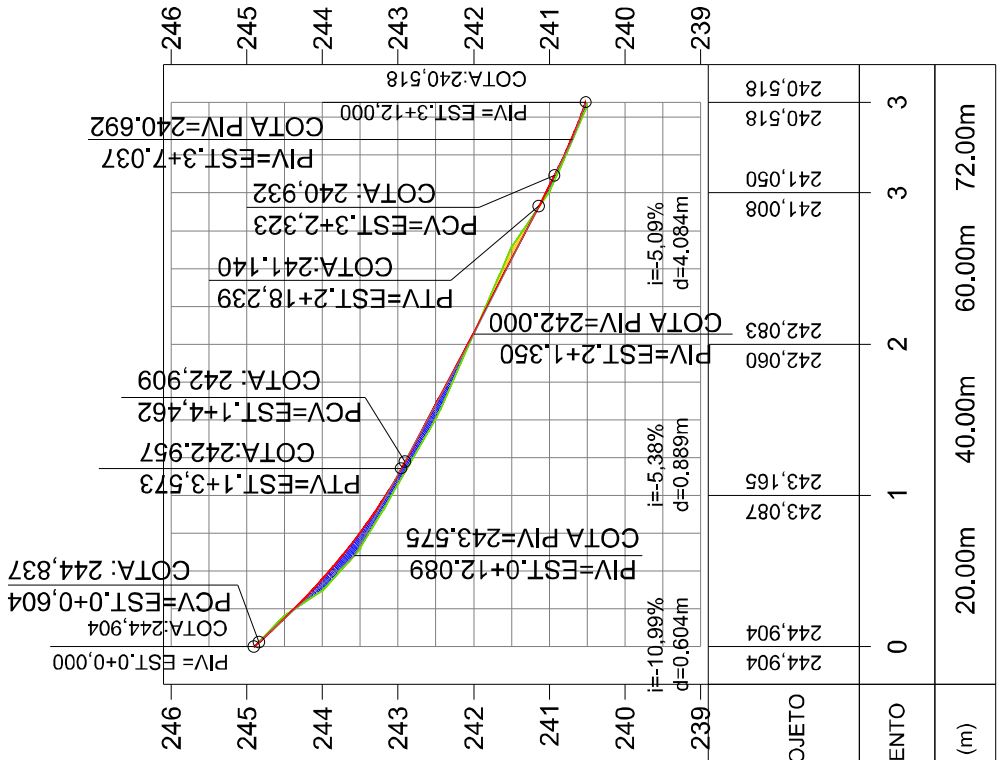
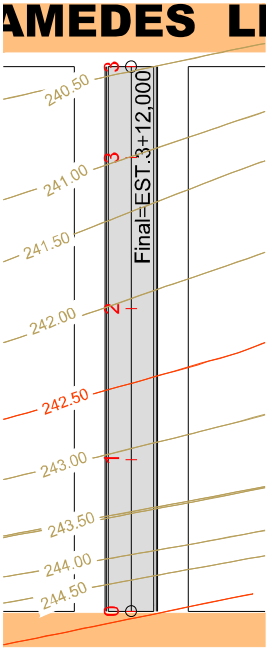
RUA WASHINGTON LUIZ





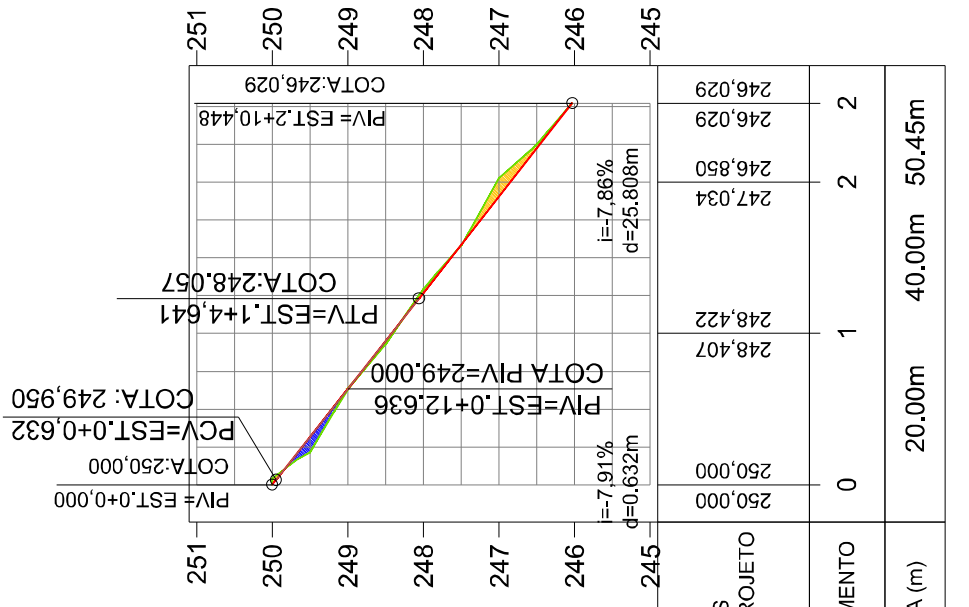
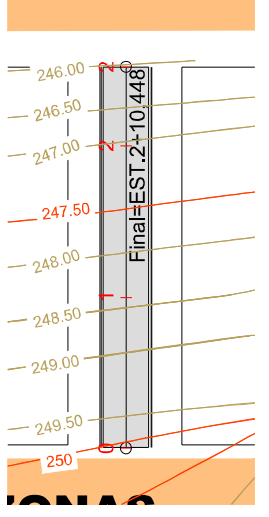
COTAS TERRENO/PROJETO	233,807	235,440	236,977	238,657	239,639	240,253
ESTAQUEAMENTO	0	1	2	3	4	4
DISTÂNCIA (m)	20,00m	40,00m	60,00m	80,00m	93,16m	

PERFIL RUA 09



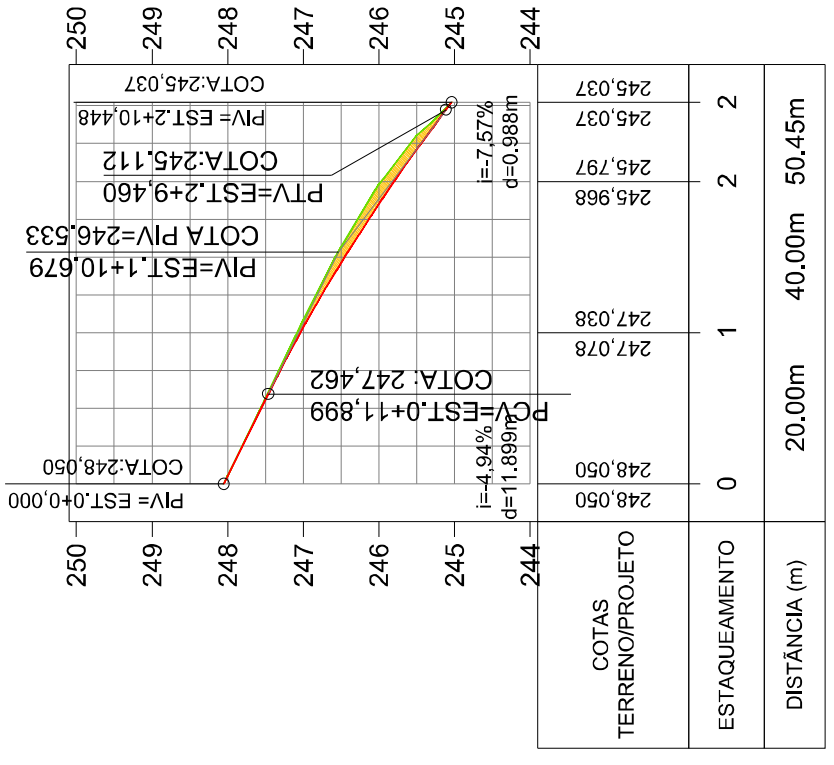
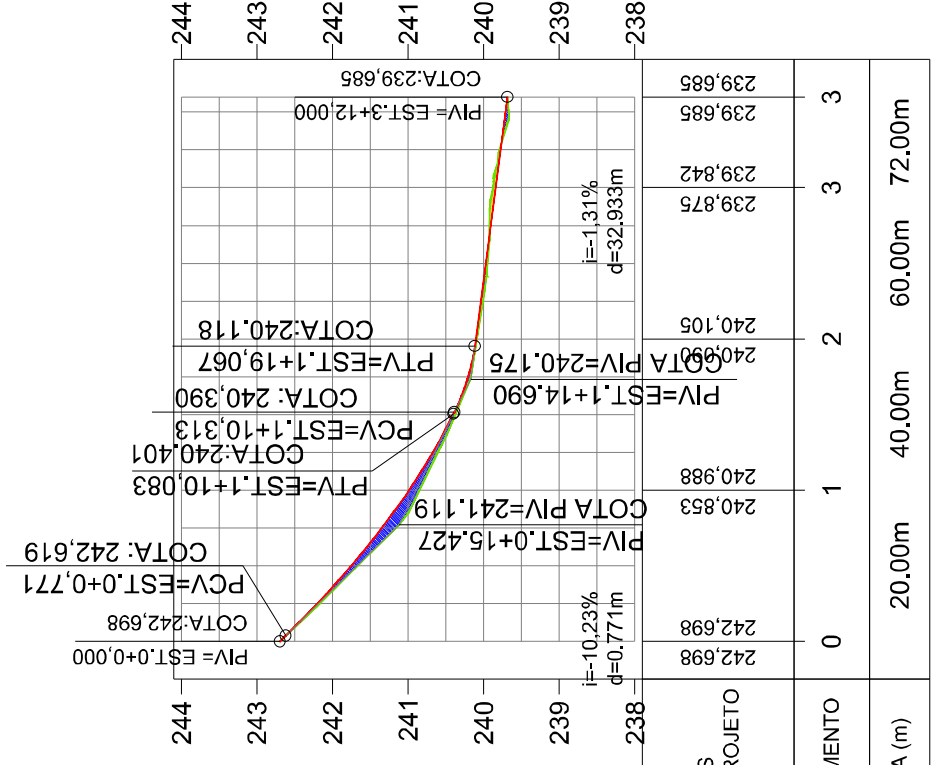
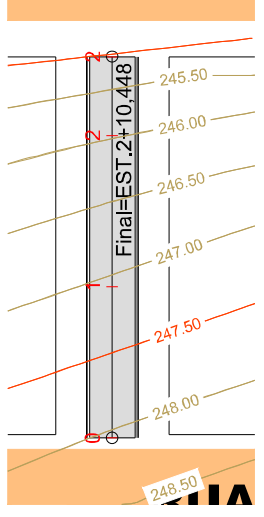
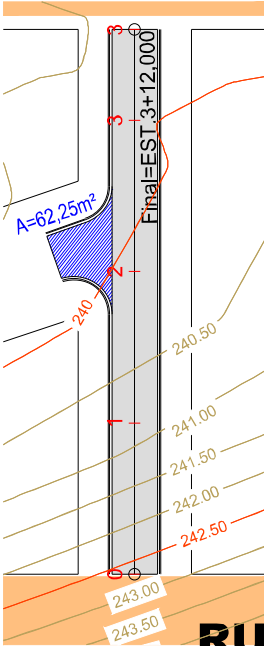
COTAS TERRENO/PROJETO	244,904	243,087	242,083	241,008	240,518	240,518
ESTAQUEAMENTO	0	1	2	3	3	3
DISTÂNCIA (m)	20,00m	40,00m	60,00m	72,00m	72,00m	72,00m

PERFIL RUA PRINCESA ISABEL - TRECHO 01



COTAS TERRENO/PROJETO	250,000	248,407	247,034	246,029
ESTAQUEAMENTO	0	1	2	2
DISTÂNCIA (m)	20,00m	40,00m	50,45m	50,45m

PERFIL RUA PRINCESA ISABEL - TRECHO 02



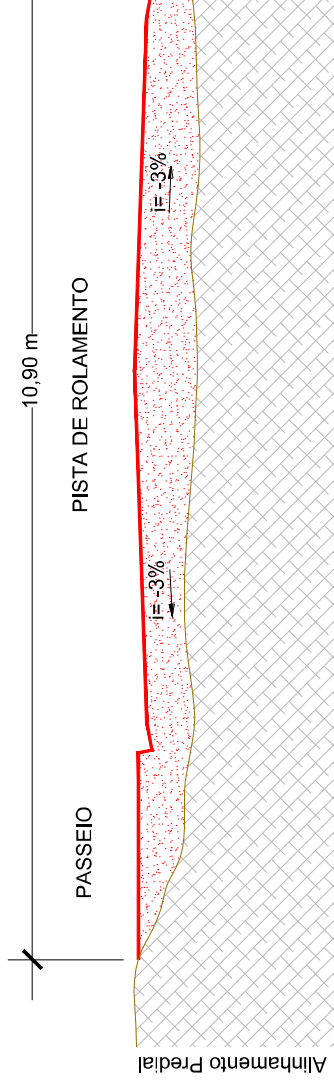
COTAS TERRENO/PROJETO	248,050	247,038	245,968	245,037	245,037
ESTAQUEAMENTO	0	1	2	2	2
DISTÂNCIA (m)	20,00m	40,00m	50,45m		

PERFIL RUA CARLOS CHAGAS 2

PERFIL RUA CARLOS CHAGAS - TRECHO 01



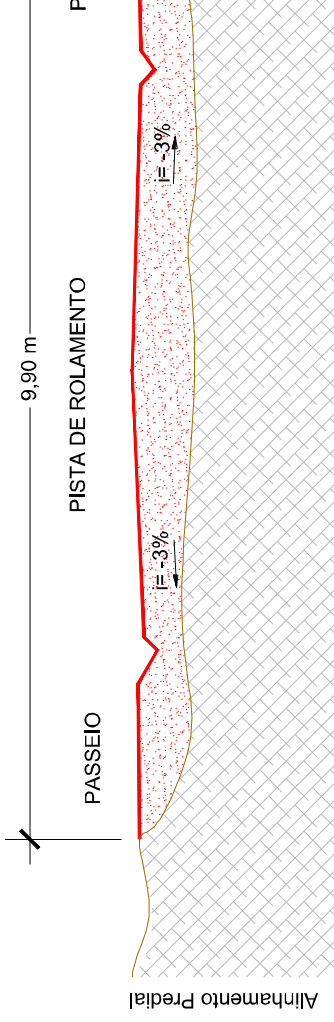
SEÇÃO TIPO EM ATERRO



Altura média do corte do sub-leito = 0,2275m

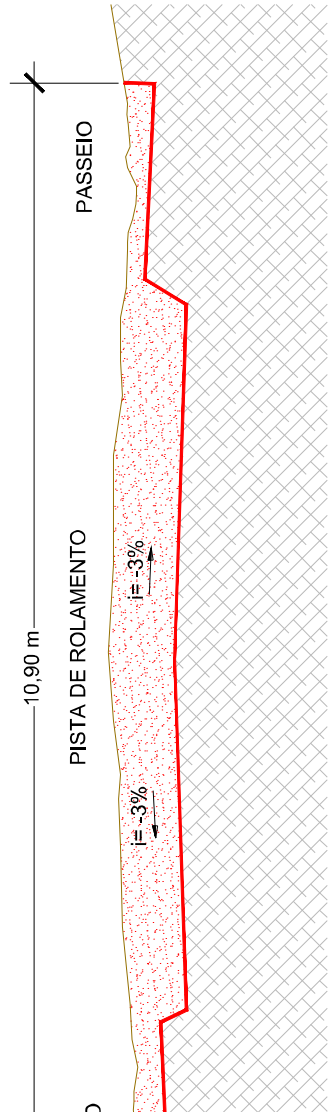
RUAS BAIRRO JD. PRIMAVERA

SEÇÃO TIPO EM ATERRO



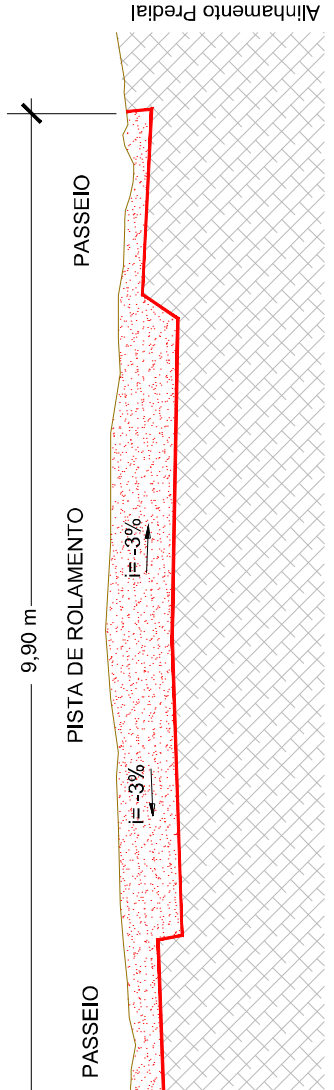
Altura média do corte do sub-leito = 0,2275m

SEÇÃO TIPO EM CORTE

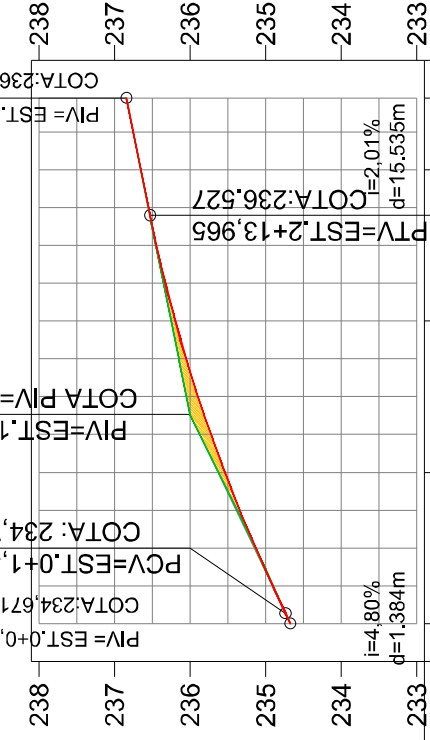


do sub-leito = 0,2275m

SEÇÃO TIPO EM CORTE

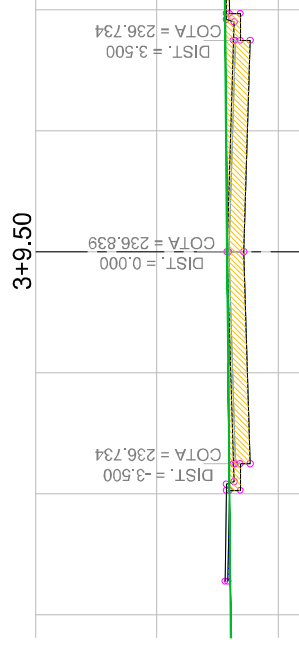
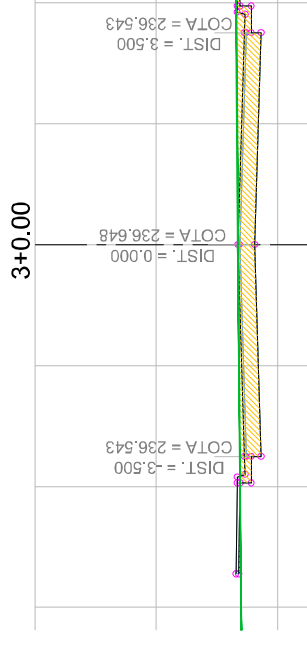
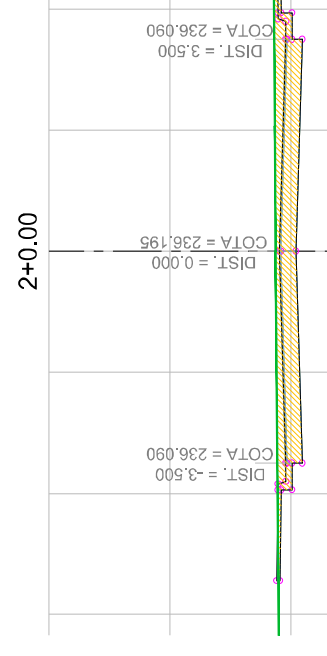
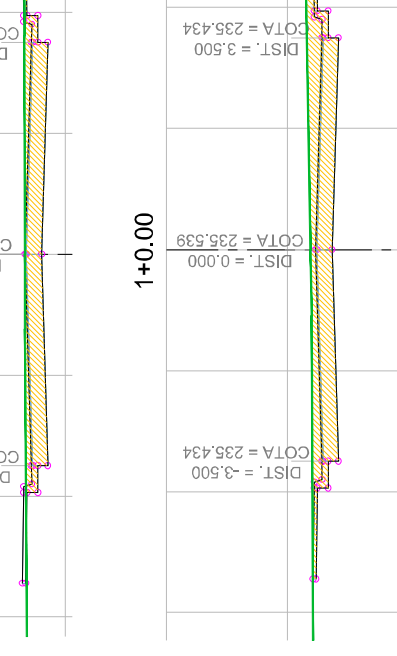


corte do sub-leito = 0,2275m



COTAS TERRENO/PROJETO	234,671	235,621	236,251	236,195	236,651	236,839	236,839
ESTAQUEAMENTO	0	1	2	3	3	3	3
DISTÂNCIA (m)	20,00m	40,00m	60,00m	60,00m	69,50m		

PERFIL RUA C

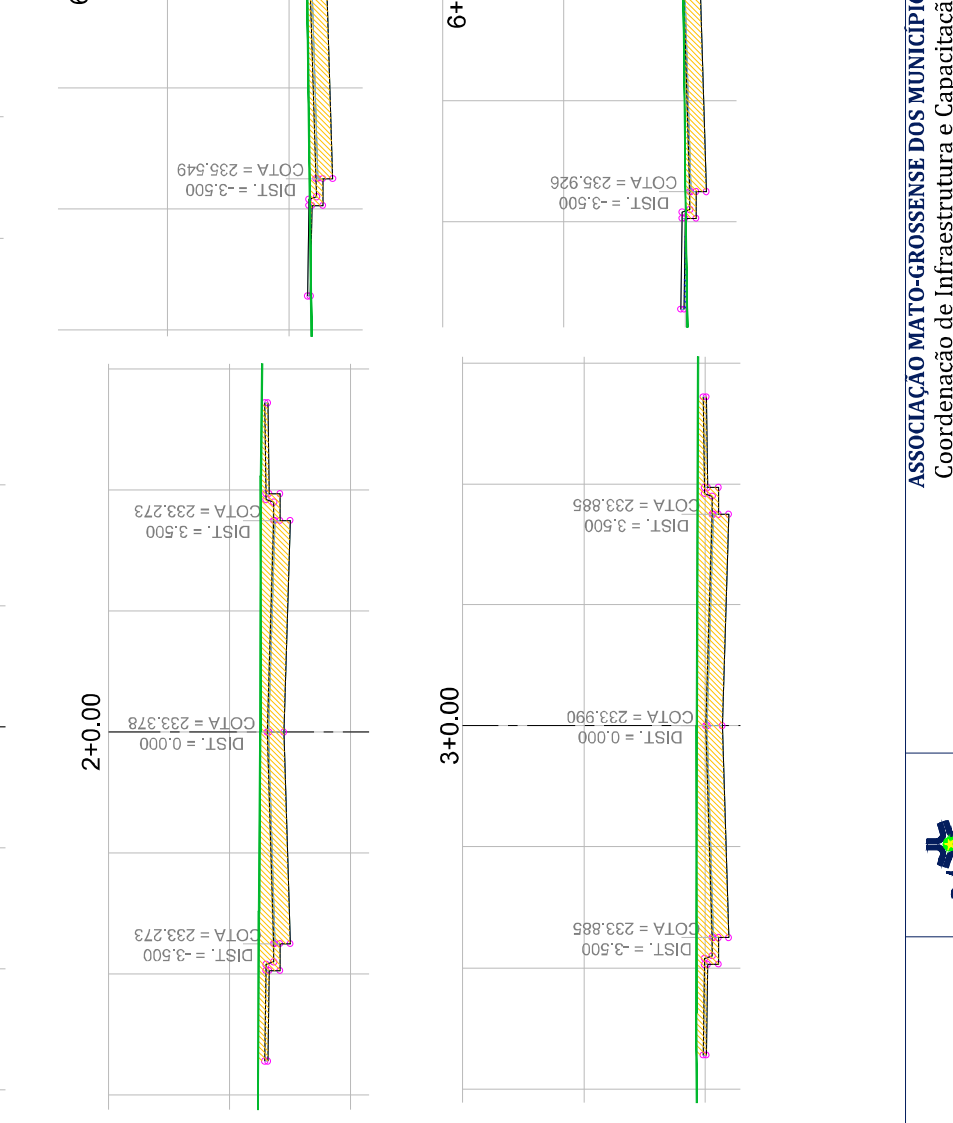
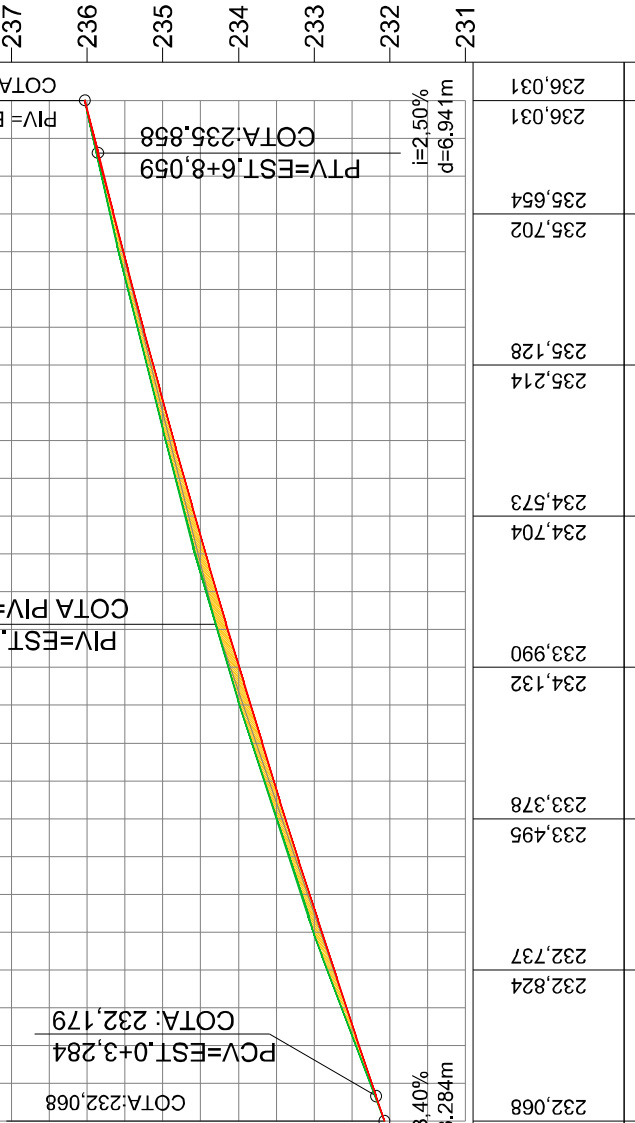
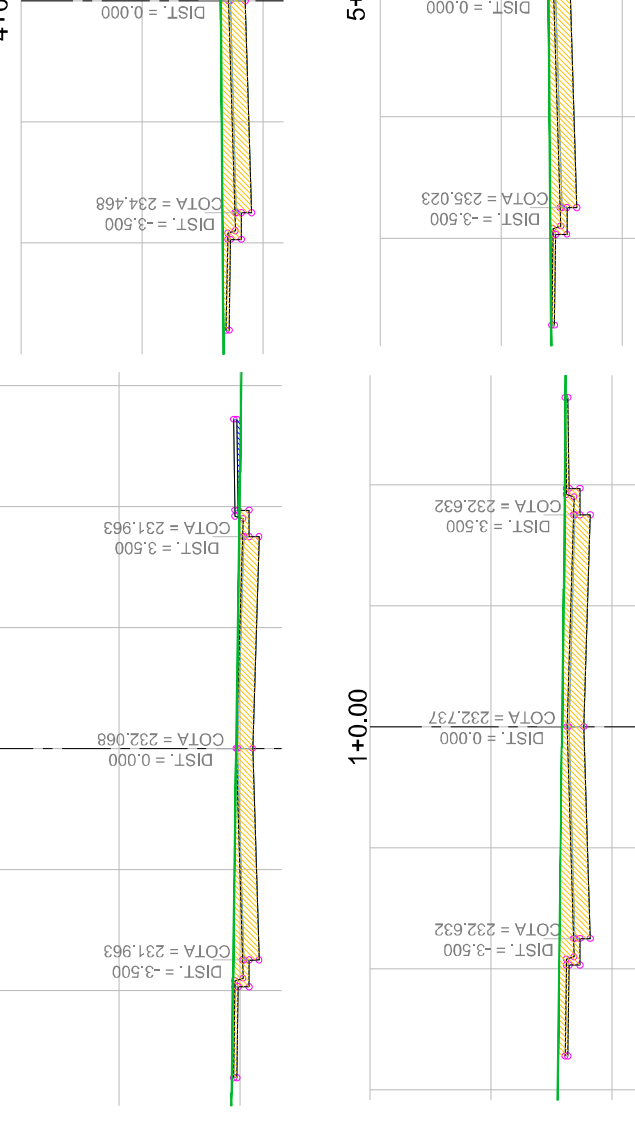


VOLUME TOTAL

Área de Corte (m²)	Volum. Corte Acum. (m³)	Volum. Corte Acum. (m³)	Volum. Corte Acum. (m³)	Volum. Corte Acum. (m³)	Volum. Corte Acum. (m³)	Volum. Corte Acum. (m³)	Volum. Corte Acum. (m³)
2,53	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3,54	60,70	60,70	0,04	60,70	0,04	60,66	60,66
3,15	66,93	127,63	0,00	127,63	0,04	127,59	127,59
2,60	57,46	185,09	0,21	185,09	0,26	184,83	184,83
2,57	24,56	209,65	0,23	209,65	0,49	209,16	209,16

De se referem ao greide acabado





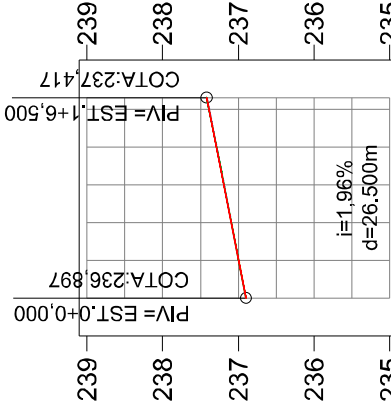
Estação	20.00m	40.00m	60.00m	80.00m	100.00m	120.00m	135.00m
0	232,068	232,737	233,378	234,132	235,214	235,702	236,031
1	232,824	232,737	233,378	234,132	235,214	235,702	236,031
2	233,495	233,378	233,378	234,132	235,214	235,702	236,031
3	234,132	233,990	233,990	234,132	235,214	235,702	236,031
4	234,573	234,704	234,573	234,573	235,214	235,702	236,031
5	235,128	235,214	235,128	235,128	235,214	235,702	236,031
6	235,654	235,702	235,654	235,654	235,702	235,702	236,031
7	236,031	236,031	236,031	236,031	236,031	236,031	236,031

VOLUME TOTAL

Estação	Área de Aterro (m²)	Volume de Corte (m³)	Volume de Aterro (m³)	Volum. Corte Acum. (m³)	Volum Aterro Acum. (m³)	Volume Líquido (m³)
1	0,07	0,00	0,00	0,00	0,00	0,00
7	0,00	60,89	0,69	60,89	0,69	60,20
3	0,00	73,08	0,00	133,97	0,69	133,28
9	0,00	79,28	0,00	213,25	0,69	212,56
7	0,00	79,67	0,00	292,92	0,69	292,22
8	0,00	73,53	0,00	366,45	0,69	365,75
4	0,00	65,17	0,02	431,62	0,72	430,90
9	0,05	42,19	0,37	473,81	1,09	472,72

De se referem ao greide acabado



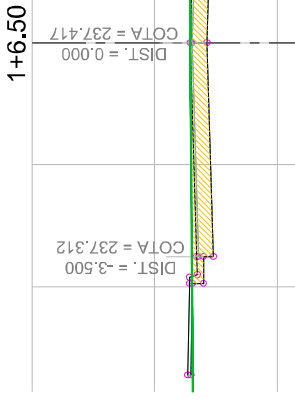
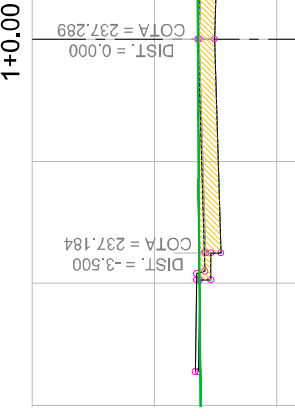
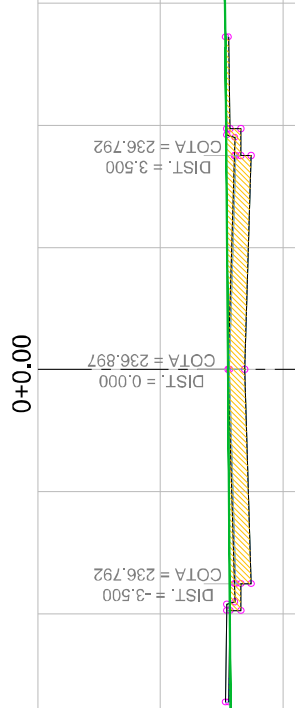


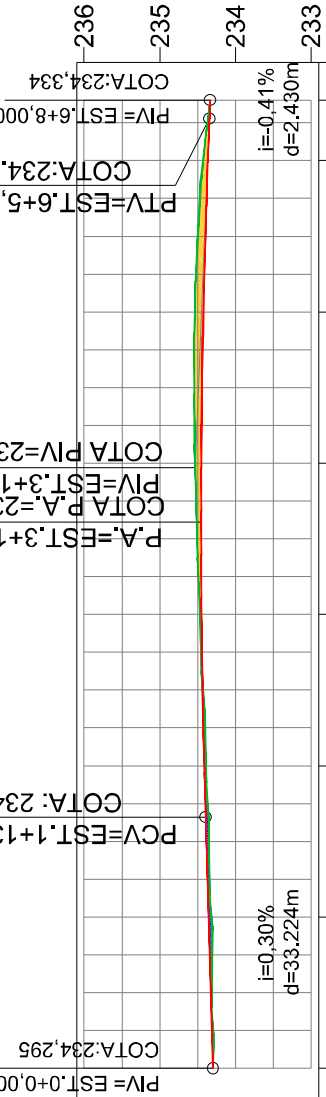
COTAS TERRENO/PROJETO	236,897	237,289	237,289	237,417	237,417
ESTAQUEAMENTO	0	1	1	1	1
DISTÂNCIA (m)	20,00m	20,00m	26,50m	26,50m	26,50m

PERFIL RUA E

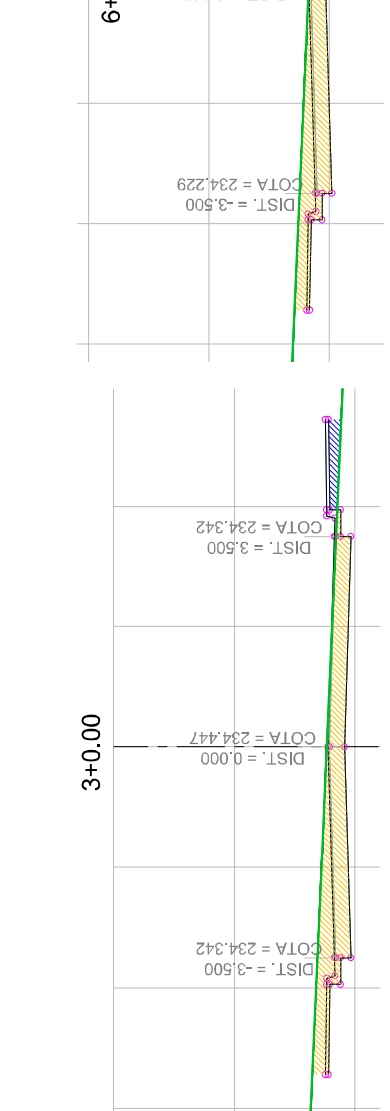
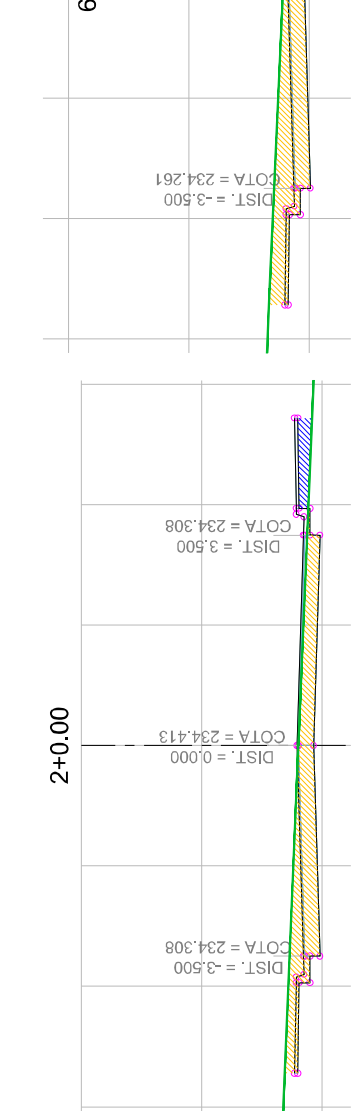
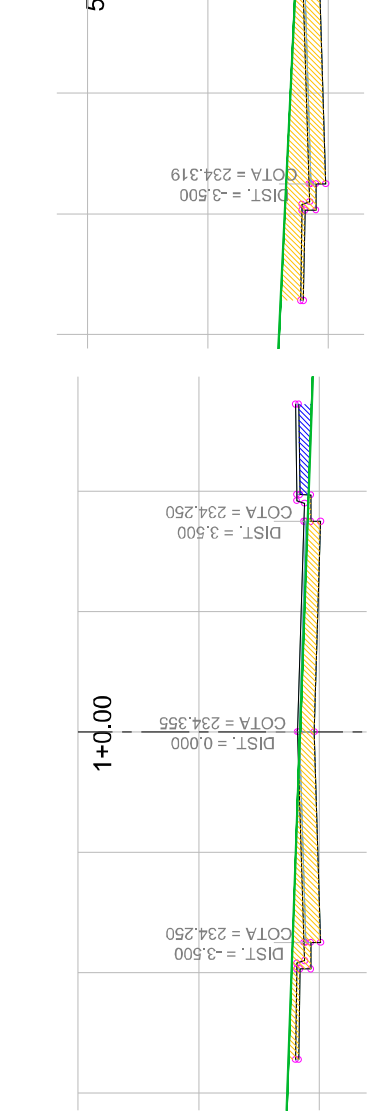
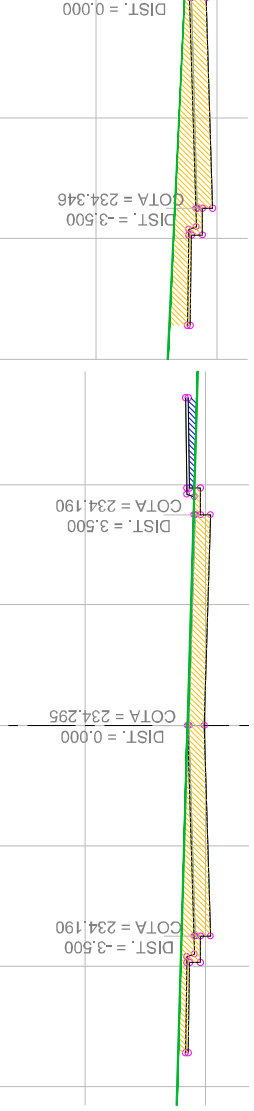
VOLUME TOTAL

Estaca	Área de Corte (m ²)	Área de Aterro (m ²)	Volum. Corte (m ³)	Volum. de Aterro (m ³)	Volum. Corte Acum. (m ³)	Volum. Aterro Acum. (m ³)
0+0,00	2,57	0,02	0,00	0,00	0,00	0,00
1+0,00	2,57	0,02	51,38	0,41	51,38	0,41
1+6,50	2,57	0,02	16,69	0,13	68,07	0,54





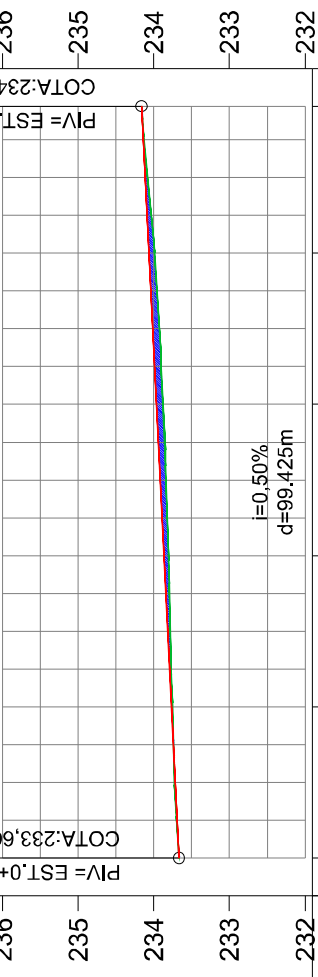
EST	20.00m	40.00m	60.00m	80.00m	100.00m	120.00m	128.00m
234,295	234,317	234,355	234,413	234,464	234,533	234,624	234,727
234,295	234,317	234,355	234,392	234,447	234,533	234,624	234,727
234,295	234,317	234,355	234,413	234,464	234,533	234,624	234,727



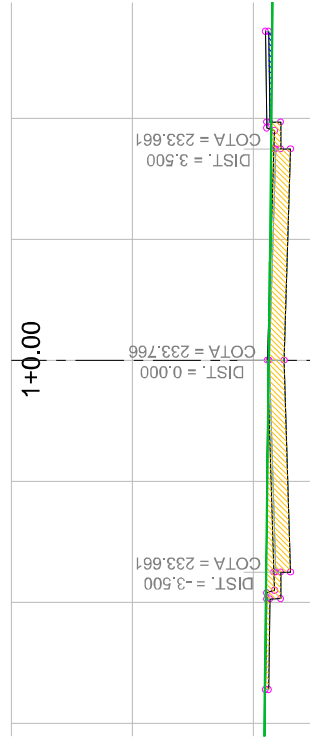
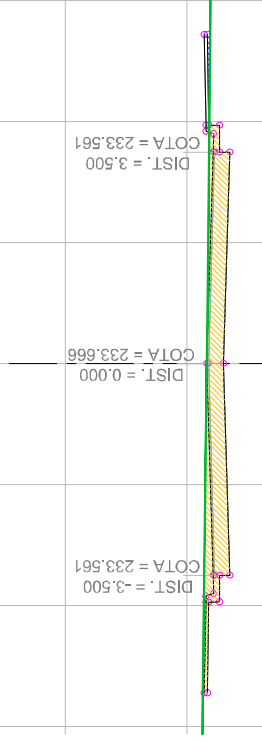
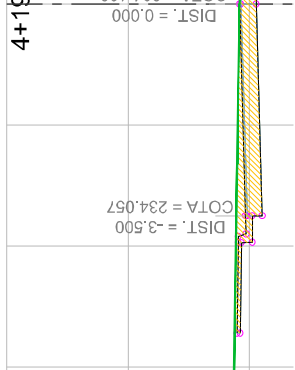
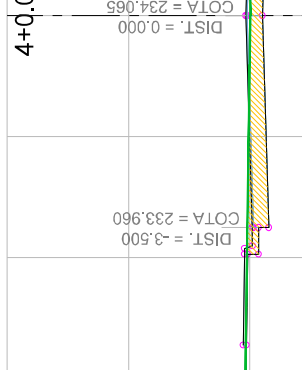
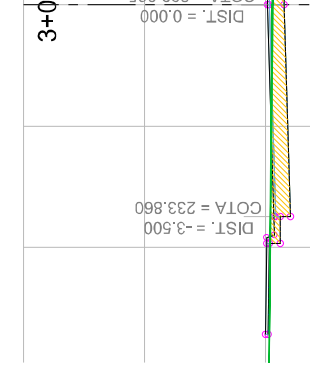
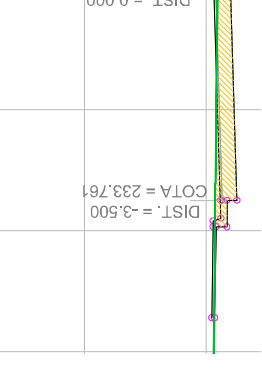
VOLUME TOTAL						
Área de Aterro (m²)	Volum. de Corte (m³)	Volum. de Aterro (m³)	Volum. Corte Acum. (m³)	Volum. Aterro Acum. (m³)	Volum. Líquido (m³)	
0,17	0,00	0,00	0,00	0,00	0,00	
0,27	51,28	4,45	51,28	4,45	46,82	
0,29	50,17	5,65	101,45	10,11	91,34	
0,25	56,03	5,47	157,48	15,57	141,90	
0,17	66,08	4,28	223,56	19,85	203,71	
0,13	75,25	3,06	298,80	22,92	275,89	
0,19	73,16	3,28	371,96	26,20	345,76	
0,28	24,92	1,92	396,88	28,11	368,76	

De se referem ao greide acabado





ESTACIONAMENTO	0	1	2	3	4
COTA (m)	233,666	233,750	233,808	233,878	234,162
ALARGAMENTO (m)	20,00m	40,00m	60,00m	80,00m	99,42m

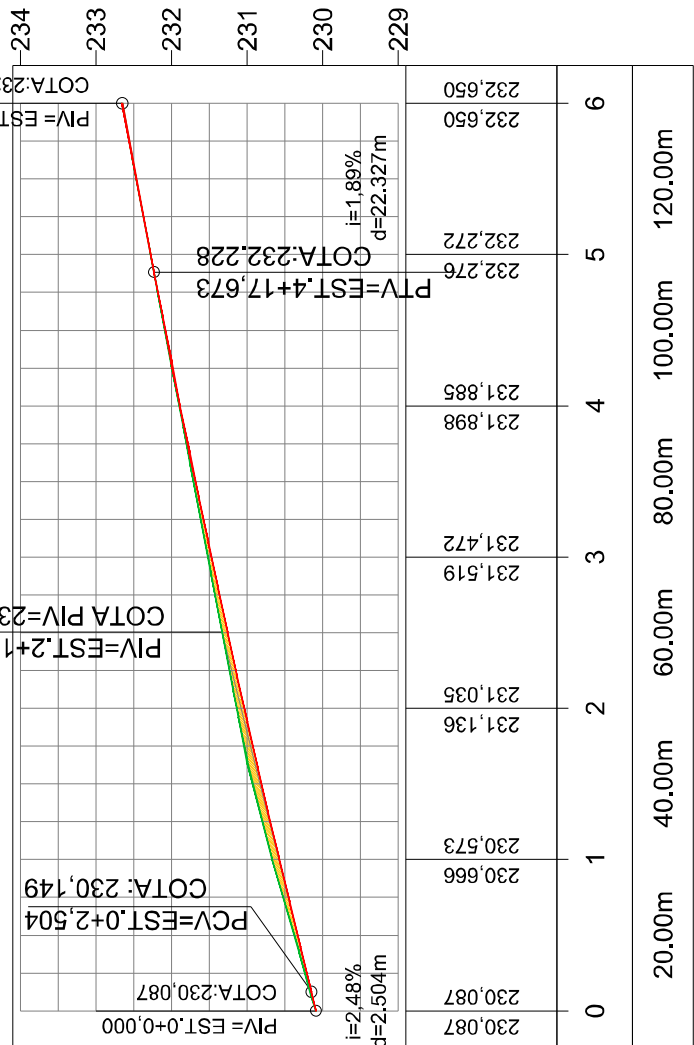


VOLUME TOTAL

Est.	Área de Aterro (m ²)	Volum. Corte (m ³)	Volum. Corte Acum. (m ³)	Volum. Aterro (m ³)	Volum. Aterro Acum. (m ³)	Volum. Líquido (m ³)
0	0,04	0,00	0,00	0,00	0,00	0,00
1	0,07	50,70	50,70	1,10	1,10	49,60
2	0,13	45,04	95,74	1,95	3,05	92,69
3	0,19	38,49	134,24	3,21	6,26	127,98
4	0,16	37,25	171,49	3,55	9,81	161,68
TOTAL	0,06	44,15	215,64	2,20	12,01	203,63

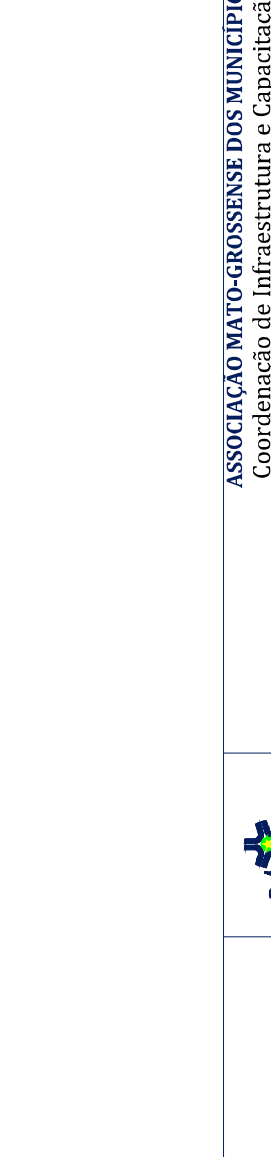
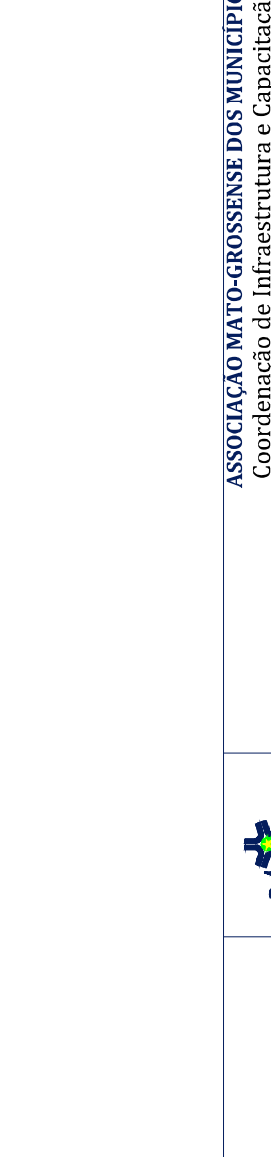
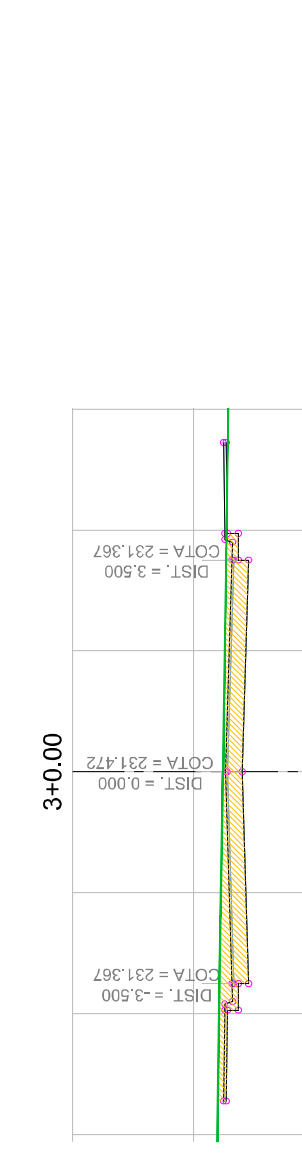
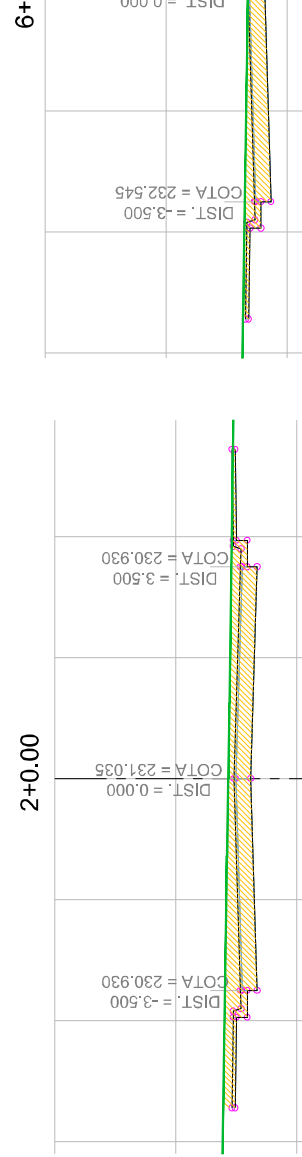
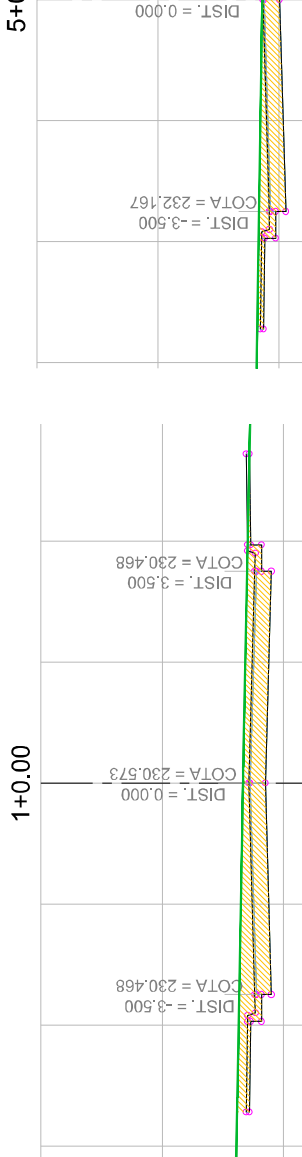
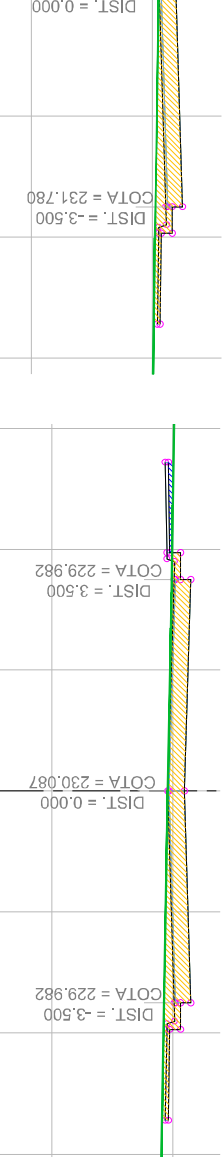
De se referem ao greide acabado





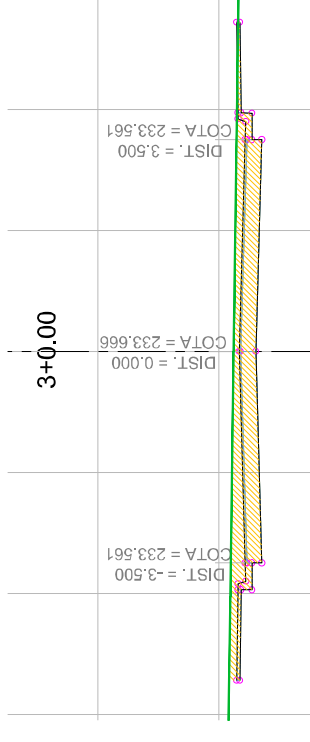
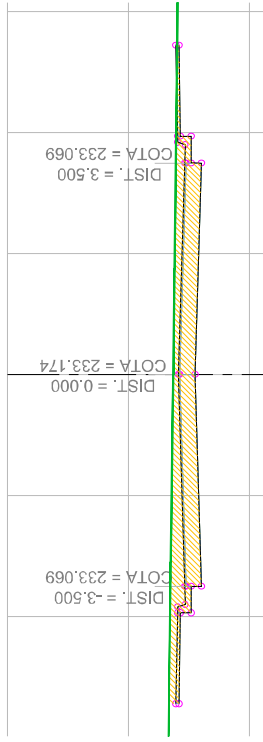
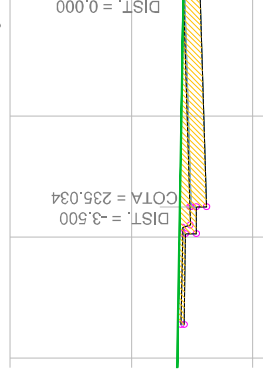
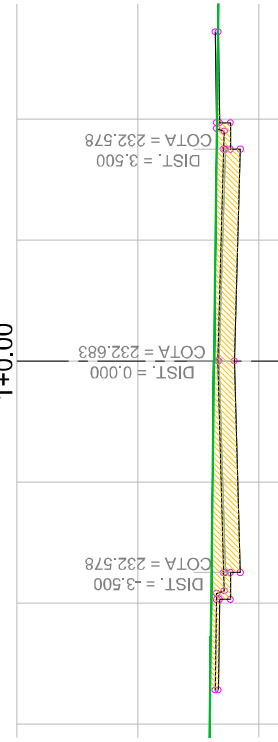
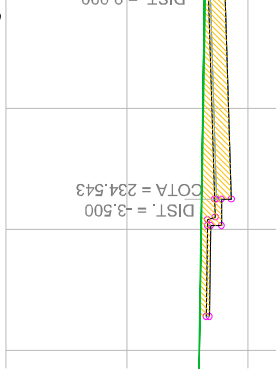
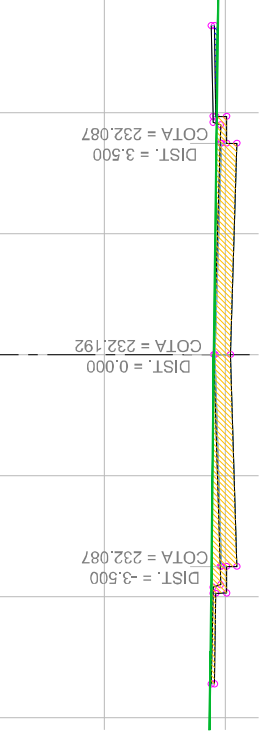
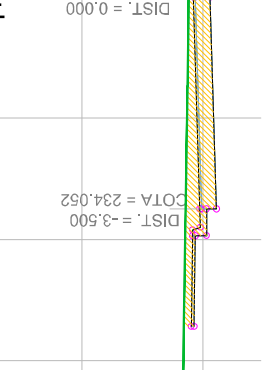
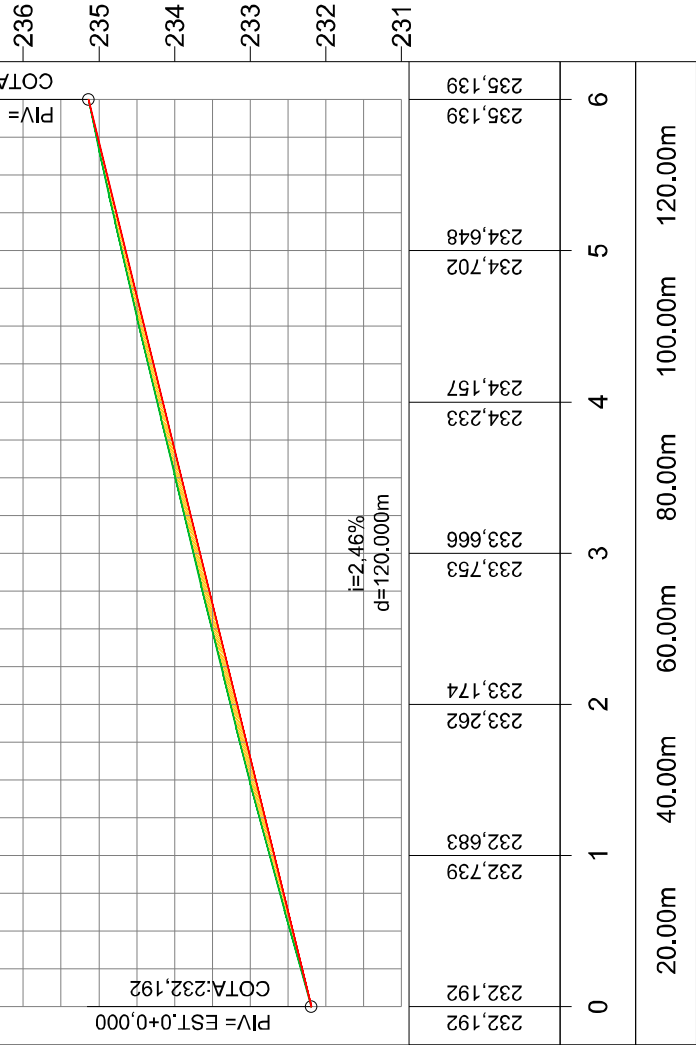
VOLUME TOTAL

Área de Aterro (m²)	Volum. Corte (m³)	Volum. de Aterro (m³)	Volum. Corte Acum. (m³)	Volum. Aterro Acum. (m³)	Volum. Líquido (m³)
0,09	0,00	0,00	0,00	0,00	0,00
0,00	61,64	0,93	61,64	0,93	60,71
0,00	71,65	0,00	133,29	0,93	132,36
0,01	67,13	0,10	200,42	1,04	199,38
0,05	58,16	0,62	258,58	1,65	256,93
0,07	54,10	1,18	312,68	2,84	309,84
0,07	52,87	1,41	365,55	4,25	361,30



De se referem ao greide acabado



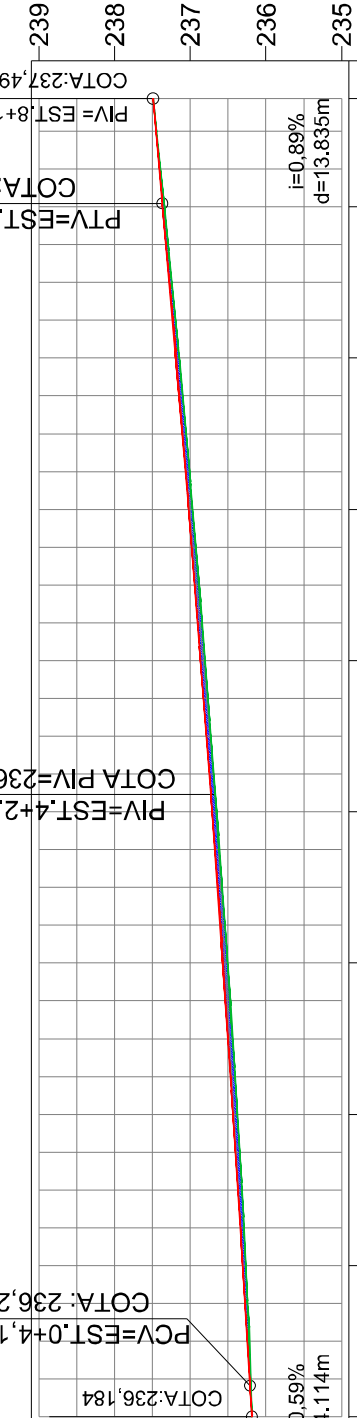


VOLUME TOTAL

Estação	Área de Aterro (m²)	Volume de Corte (m³)	Volume de Aterro (m³)	Volum. Corte Acum. (m³)	Volum Aterro Acum. (m³)	Volume Líquido (m³)
0	0,05	0,00	0,00	0,00	0,00	0,00
1	0,00	57,54	0,49	57,54	0,49	57,05
2	0,00	66,62	0,00	124,16	0,50	123,67
3	0,00	70,03	0,00	194,20	0,50	193,70
4	0,00	68,66	0,00	262,86	0,50	262,37
5	0,01	65,19	0,09	328,05	0,58	327,47
6	0,08	57,84	0,94	385,89	1,52	384,37

Se se referem ao greide acabado





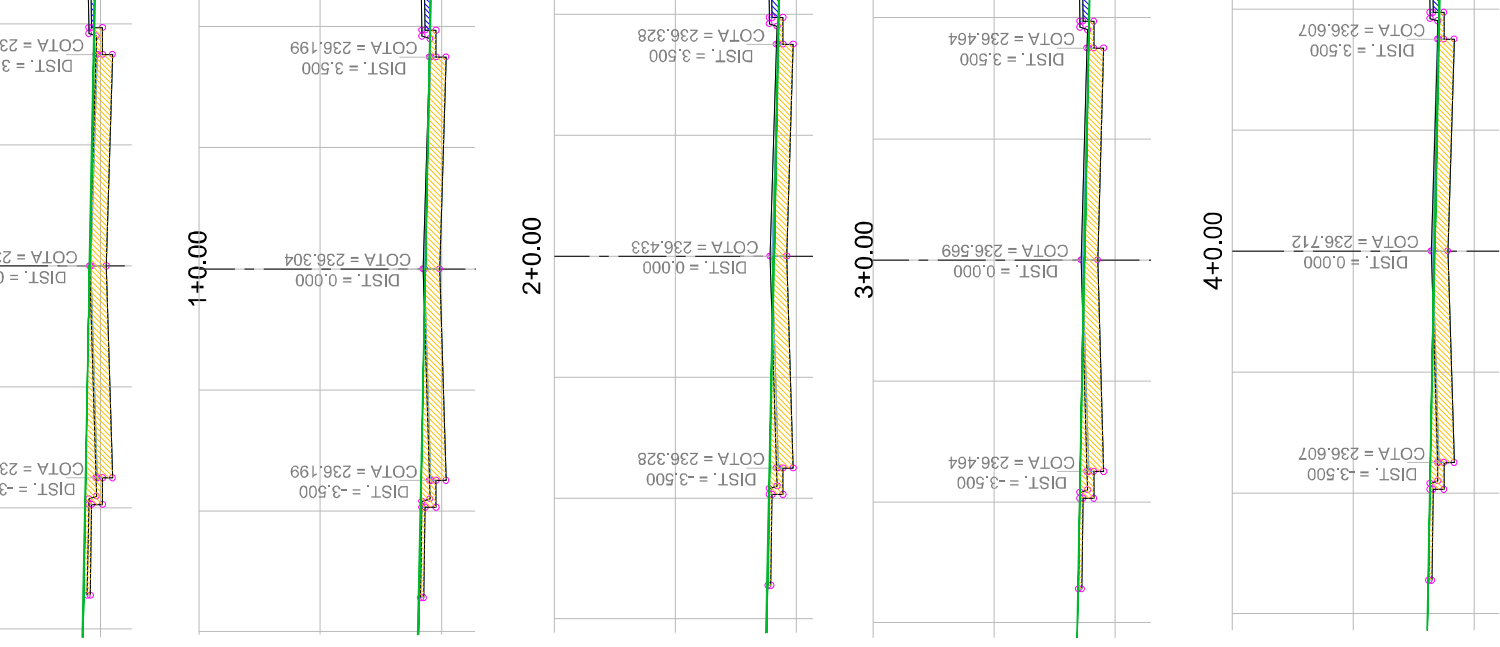
EST	20.00m	40.00m	60.00m	80.00m	100.00m	120.00m	140.00m	160.00m	174.29m
0	236,184								
1	236,266	236,304	236,375						
2		236,433	236,509	236,569	236,653				
3			236,509	236,569	236,653	236,806	236,969		
4				236,569	236,653	236,806	236,969	237,146	237,492
5					236,653	236,806	236,969		
6						236,806	236,969	237,146	
7							236,969	237,146	
8								237,146	237,492

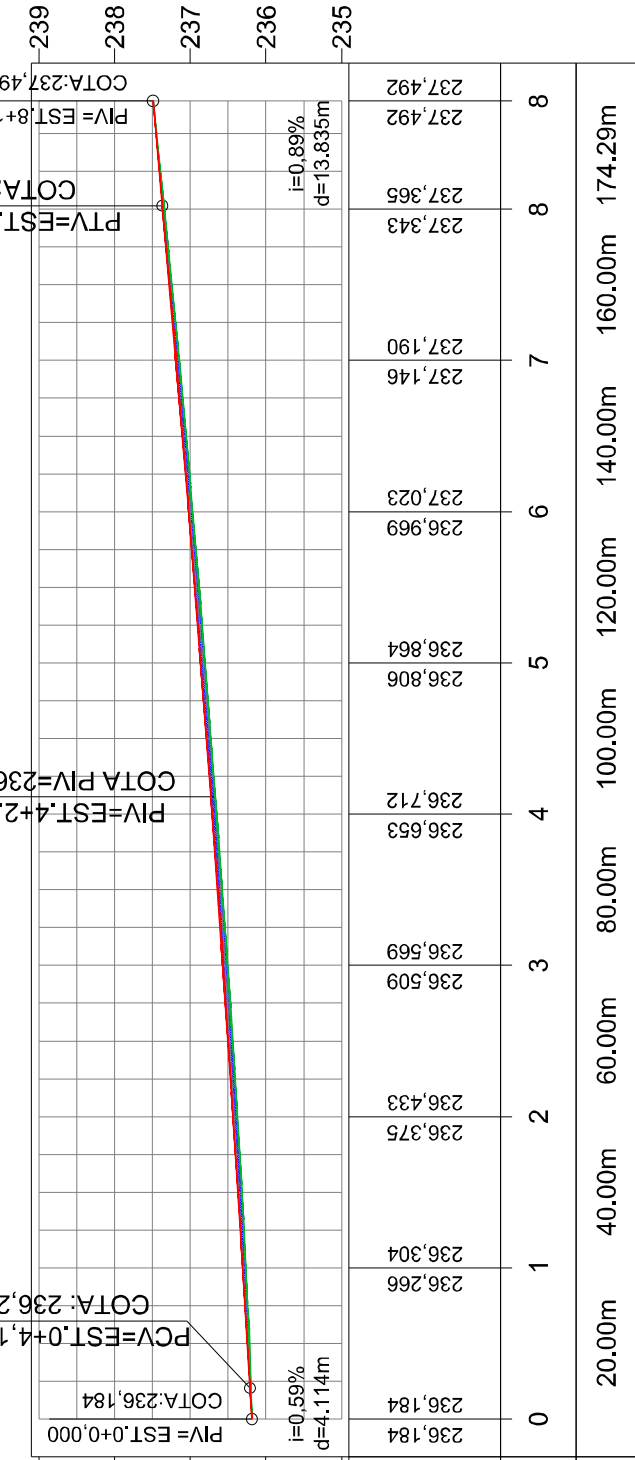
01

VOLUME TOTAL

	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)	Volume de Aterro (m³)	Volume de Corte Acum. (m³)	Volume de Aterro Acum. (m³)	Volume Líquido (m³)
0	2,64	0,10	0,00	0,00	0,00	0,00	0,00
1	2,29	0,16	49,34	2,62	49,34	2,62	46,72
2	2,12	0,19	44,08	3,52	93,42	6,14	87,28
3	2,09	0,20	42,08	3,87	135,50	10,01	125,49
4	2,10	0,19	41,90	3,90	177,40	13,91	163,49
5	2,11	0,19	42,11	3,85	219,51	17,76	201,75
6	2,15	0,18	42,60	3,75	262,11	21,51	240,60
7	2,23	0,16	43,79	3,47	305,90	24,98	280,92
8	2,45	0,13	46,78	2,92	352,69	27,90	324,78
9	2,64	0,10	36,38	1,60	389,06	29,50	359,56

De se referem ao greide acabado

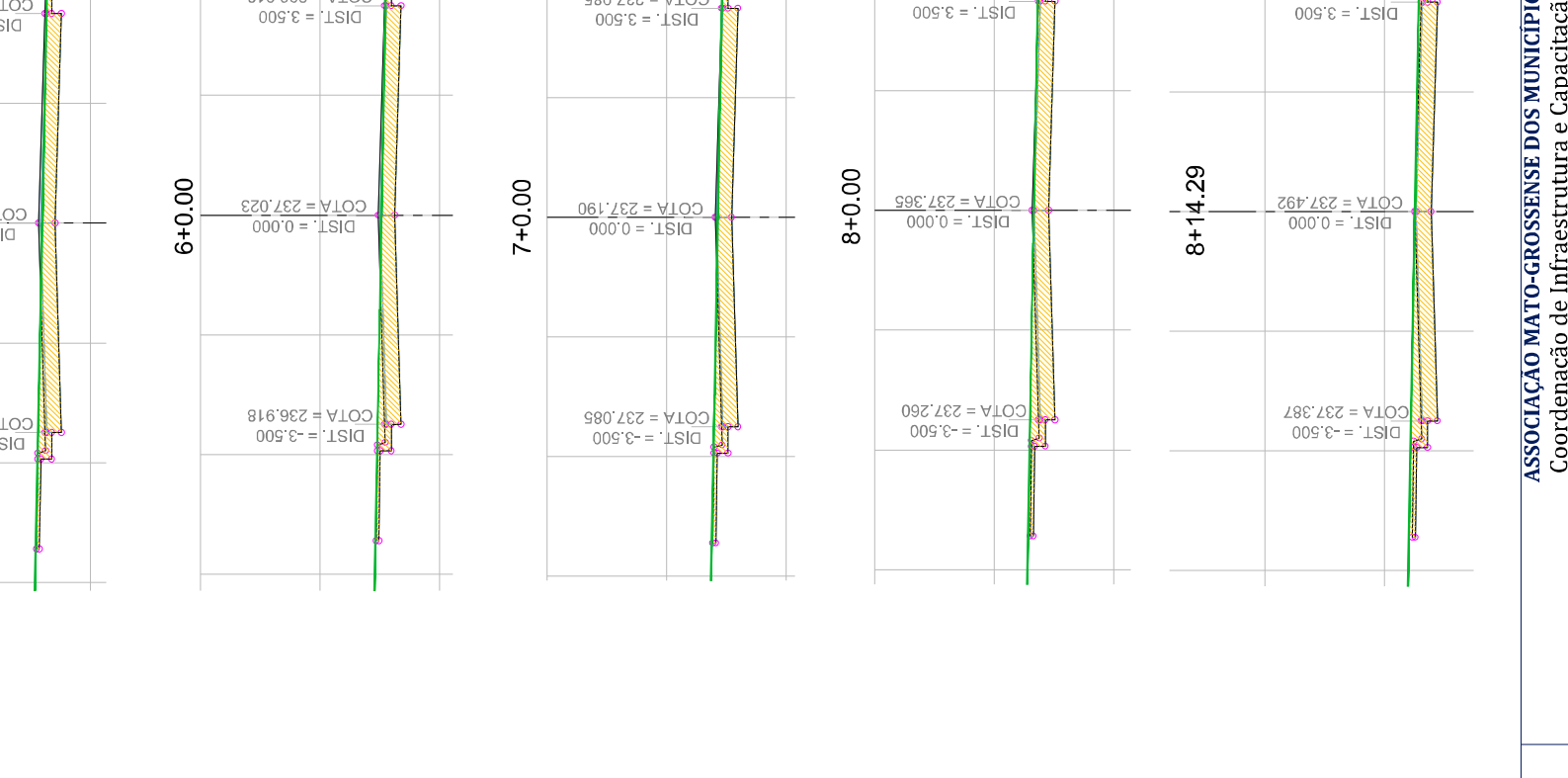




Estaca	20.00m	40.00m	60.00m	80.00m	100.00m	120.00m	140.00m	160.00m	174.29m
Elevação (m)	236,184	236,304	236,433	236,509	236,569	236,653	236,806	237,146	237,492

VOLUME TOTAL

Estaca	Área de Corte (m²)	Volume de Corte (m³)	Volume de Aterro (m³)	Volum. Corte Acum. (m³)	Volum. Aterro Acum. (m³)	Volume Líquido (m³)
0+0,00	2,64	0,10	0,00	0,00	0,00	0,00
1+0,00	2,29	0,16	2,62	49,34	2,62	46,72
2+0,00	2,12	0,19	44,08	93,42	6,14	87,28
3+0,00	2,09	0,20	42,08	135,50	10,01	125,49
4+0,00	2,10	0,19	41,90	177,40	13,91	163,49
5+0,00	2,11	0,19	42,11	219,51	17,76	201,75
6+0,00	2,15	0,18	42,60	262,11	21,51	240,60
7+0,00	2,23	0,16	43,79	305,90	24,98	280,92
8+0,00	2,45	0,13	46,78	352,69	27,90	324,78
8+14,29	2,64	0,10	36,38	389,06	29,50	359,56



De se referem ao greide acabado



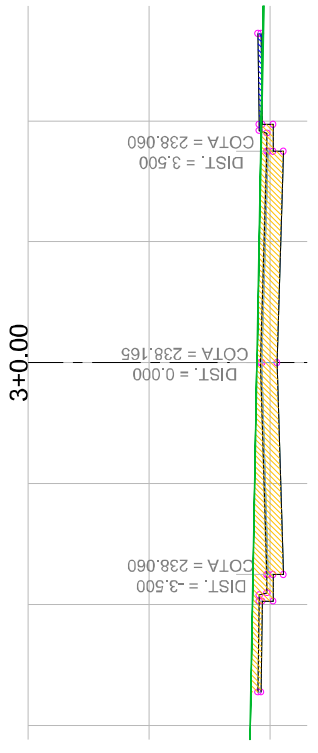
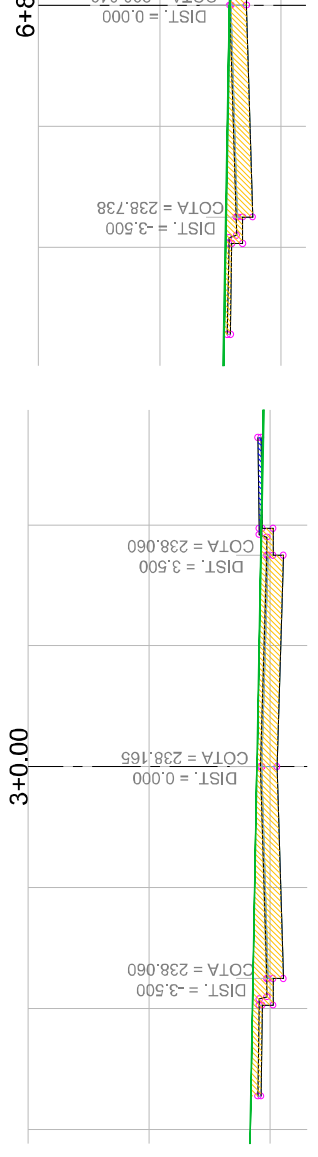
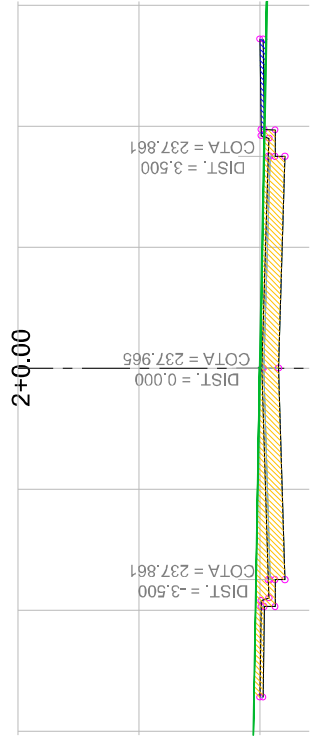
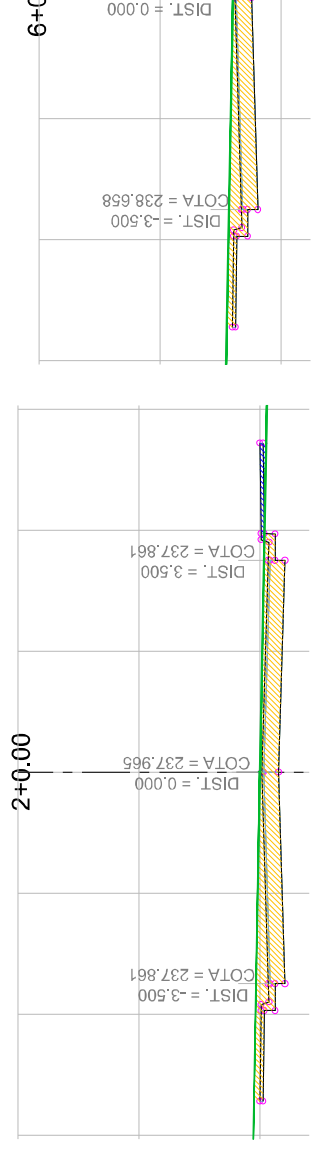
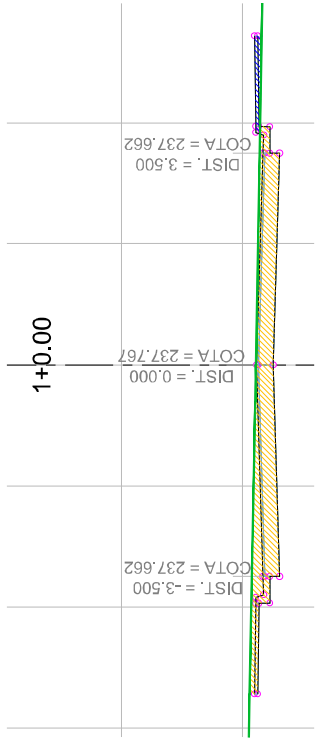
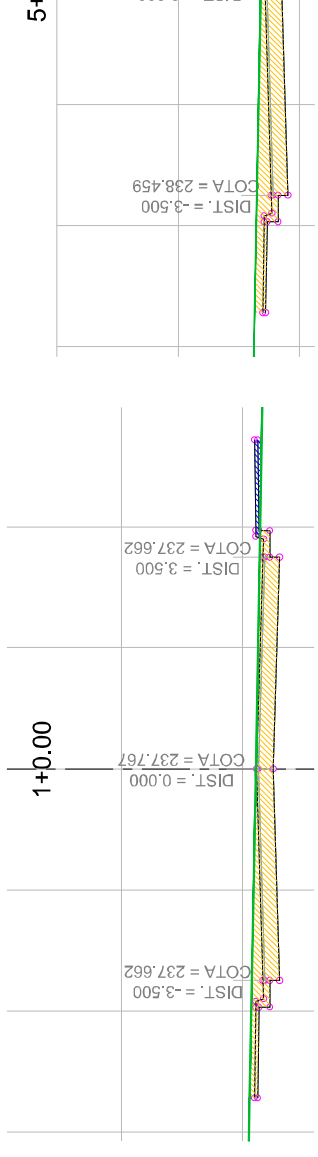
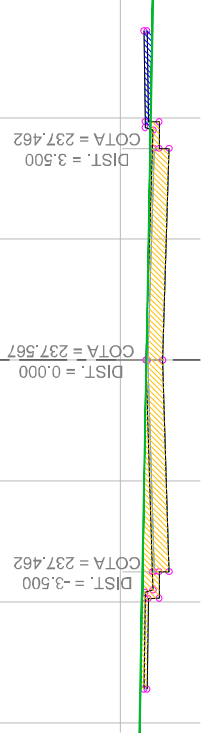
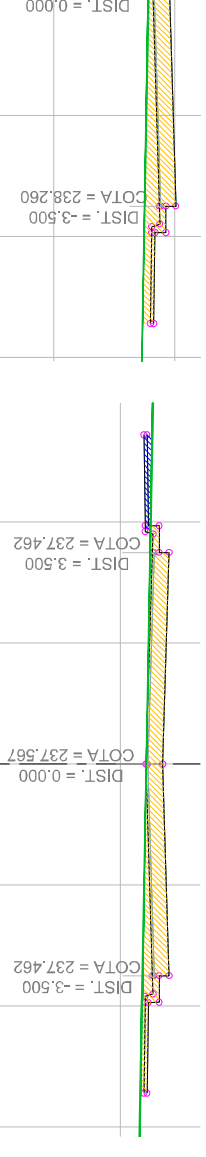


0	1	2	3	4	5	6
237,567	237,783	237,966	238,220	238,437	238,636	238,843
20.00m	40.00m	60.00m	80.00m	100.00m	120.00m	128.00m

O 02

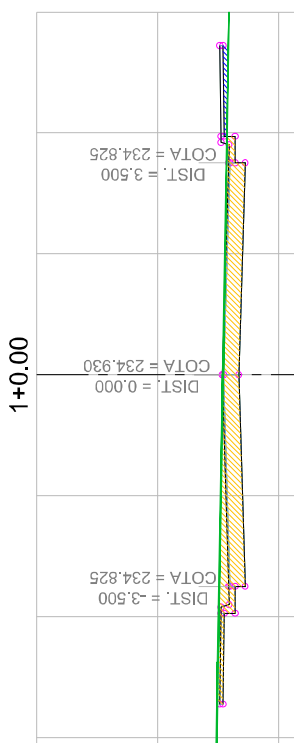
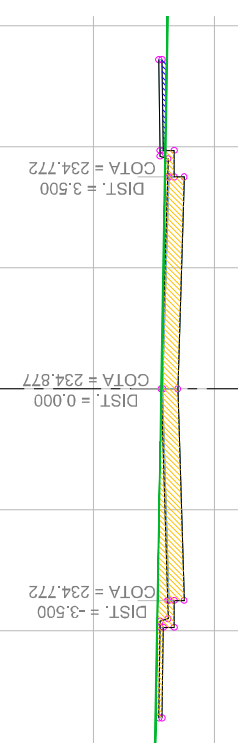
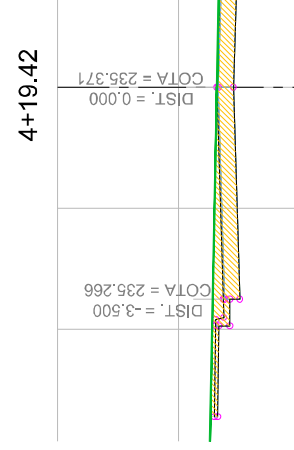
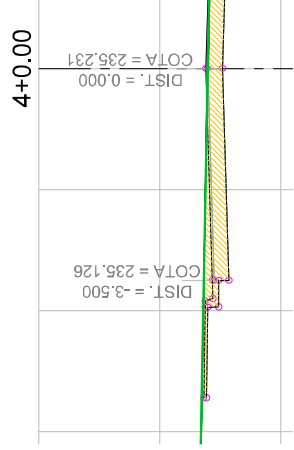
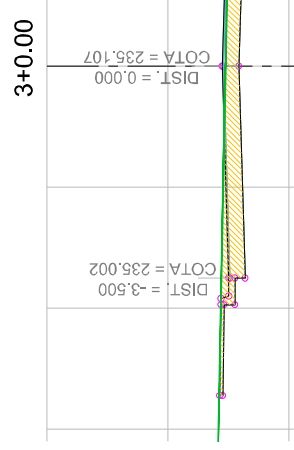
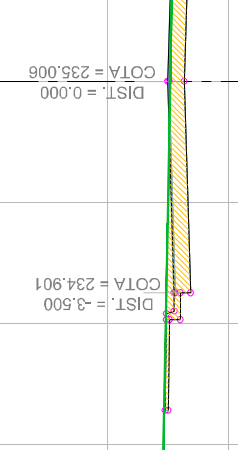
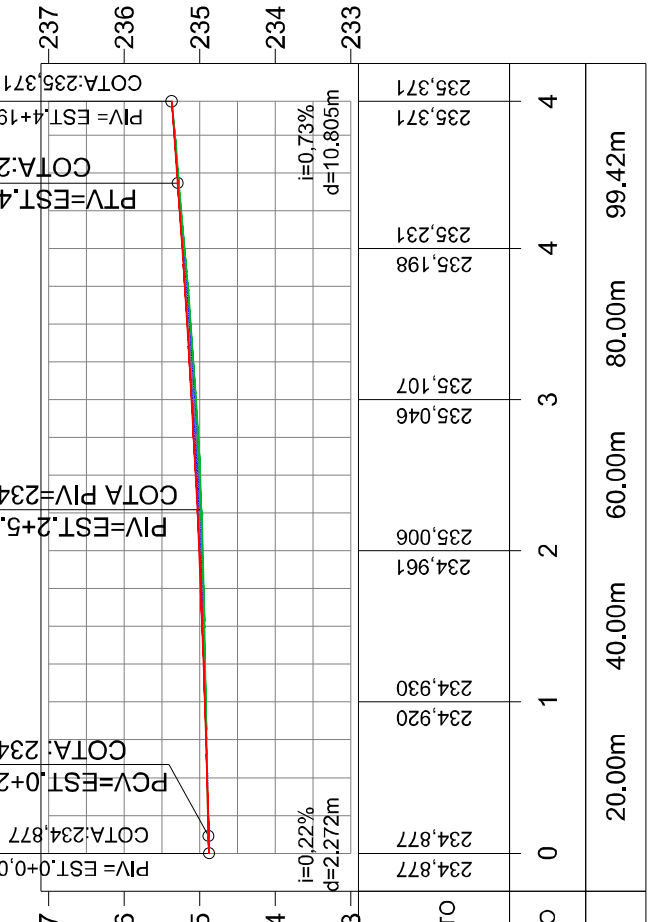
VOLUME TOTAL

Área de Aterro (m ²)	Volume de Corte (m ³)	Volume de Aterro (m ³)	Volum. Corte Acum. (m ³)	Volum Aterro Acum. (m ³)	Volume Líquido (m ³)
0,18	0,00	0,00	0,00	0,00	0,00
0,15	54,43	3,35	54,43	3,35	51,08
0,13	57,67	2,79	112,10	6,15	105,95
0,09	61,33	2,18	173,43	8,33	165,10
0,06	65,10	1,57	238,53	9,90	228,63
0,07	66,80	1,32	305,33	11,22	294,11
0,13	62,72	1,95	368,05	13,17	354,88
0,18	22,33	1,23	390,38	14,40	375,97



De se referem ao greide acabado



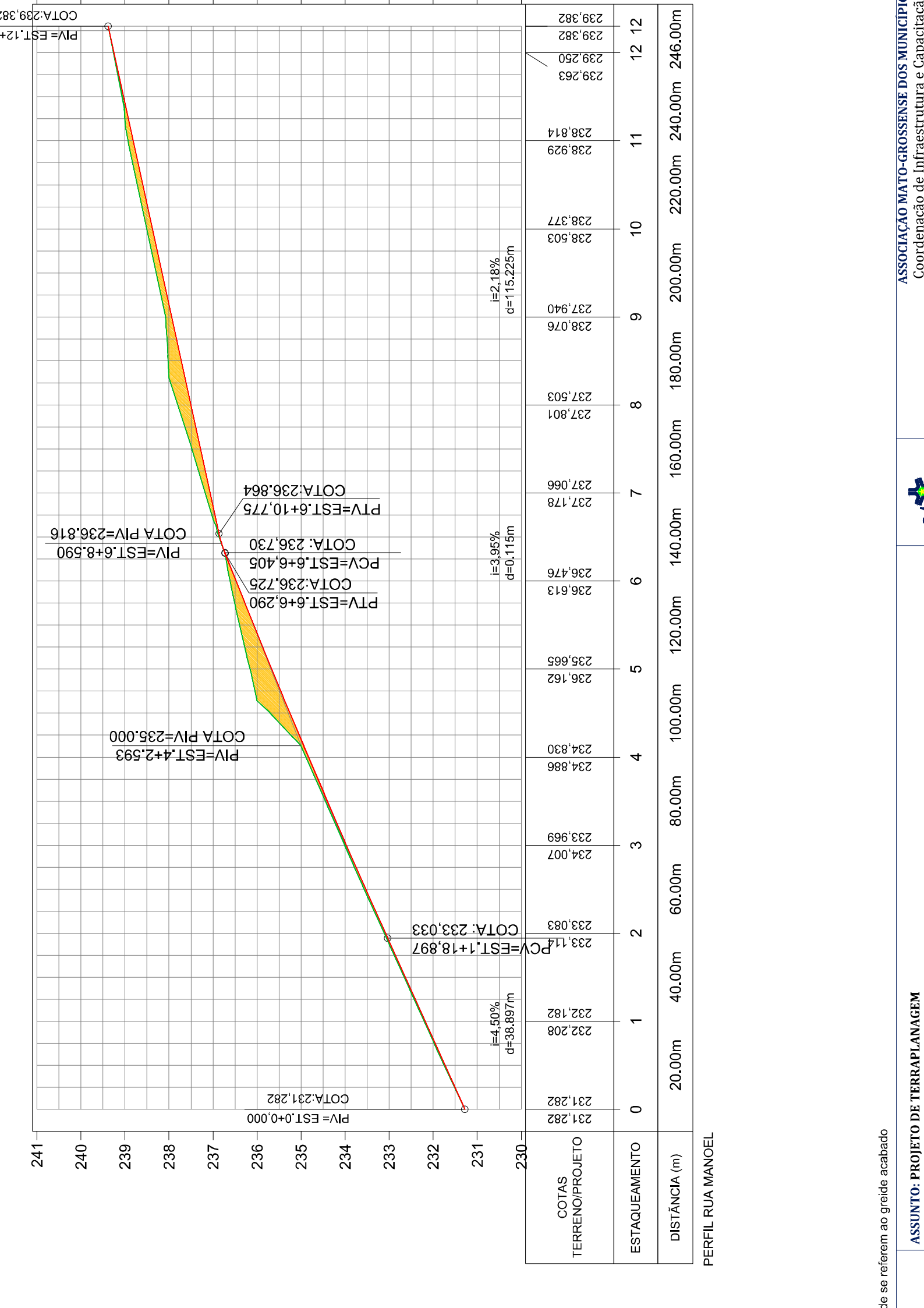


VOLUME TOTAL

de (m ²)	Área de Aterro (m ²)	Volume de Corte (m ³)	Volume de Aterro (m ³)	Volum. Corte Acum. (m ³)	Volum Aterro Acum. (m ³)	Volume Líquido (m ³)
4	0,09	0,00	0,00	0,00	0,00	0,00
4	0,10	51,84	1,88	51,84	1,88	49,96
3	0,15	47,67	2,49	99,51	4,37	95,14
0	0,18	43,26	3,31	142,77	7,68	135,09
5	0,15	44,44	3,34	187,21	11,02	176,19
5	0,10	48,52	2,46	235,73	13,48	222,26

De se referem ao greide acabado





ESTACADAÇÃO	20.00m	40.00m	60.00m	80.00m	100.00m	120.00m	140.00m	160.00m	180.00m	200.00m	220.00m	240.00m	246.00m
COTAS TERRENO/PROJETO	231,282	232,182	233,114	234,007	234,886	235,665	236,476	237,178	237,801	238,076	238,503	238,814	239,382

ESTACADAÇÃO	0	1	2	3	4	5	6	7	8	9	10	11	12	12	
ESTACAMENTO	231,282	232,182	233,083	233,989	234,886	235,665	236,476	237,178	237,801	238,076	238,503	238,814	239,263	239,382	239,382

DISTÂNCIA (m)	0	20.00m	40.00m	60.00m	80.00m	100.00m	120.00m	140.00m	160.00m	180.00m	200.00m	220.00m	240.00m	246.00m
---------------	---	--------	--------	--------	--------	---------	---------	---------	---------	---------	---------	---------	---------	---------

PERFIL RUA MANOEL

De se referem ao greide acabado

ASSOCIAÇÃO MATO-GROSSENSE DOS MUNICÍPIOS
Coordenação de Infraestrutura e Capacitação

ASSUNTO: PROJETO DE TERRAPLANAGEM

COTA: 239.382

PIV=EST.12+

COTA: 231,282

PIV=EST.0+0.000

COTA: 233,033

PCV=EST.1+18.897

PIV=EST.4+2.593

COTA: 236,725

PIV=EST.6+8.590

COTA: 236,730

PIV=EST.6+10.775

COTA: 236,864

PIV=EST.6+18.897

PIV=EST.6+22.590

PIV=EST.6+25.930

PIV=EST.6+29.000

PIV=EST.6+32.590

PIV=EST.6+36.000

PIV=EST.6+39.590

PIV=EST.6+43.000

PIV=EST.6+46.590

PIV=EST.6+50.000

PIV=EST.6+53.590

PIV=EST.6+57.000

PIV=EST.6+60.590

PIV=EST.6+64.000

PIV=EST.6+67.590

PIV=EST.6+71.000

PIV=EST.6+74.590

PIV=EST.6+78.000

PIV=EST.6+81.590

i=4.50%

d=38.897m

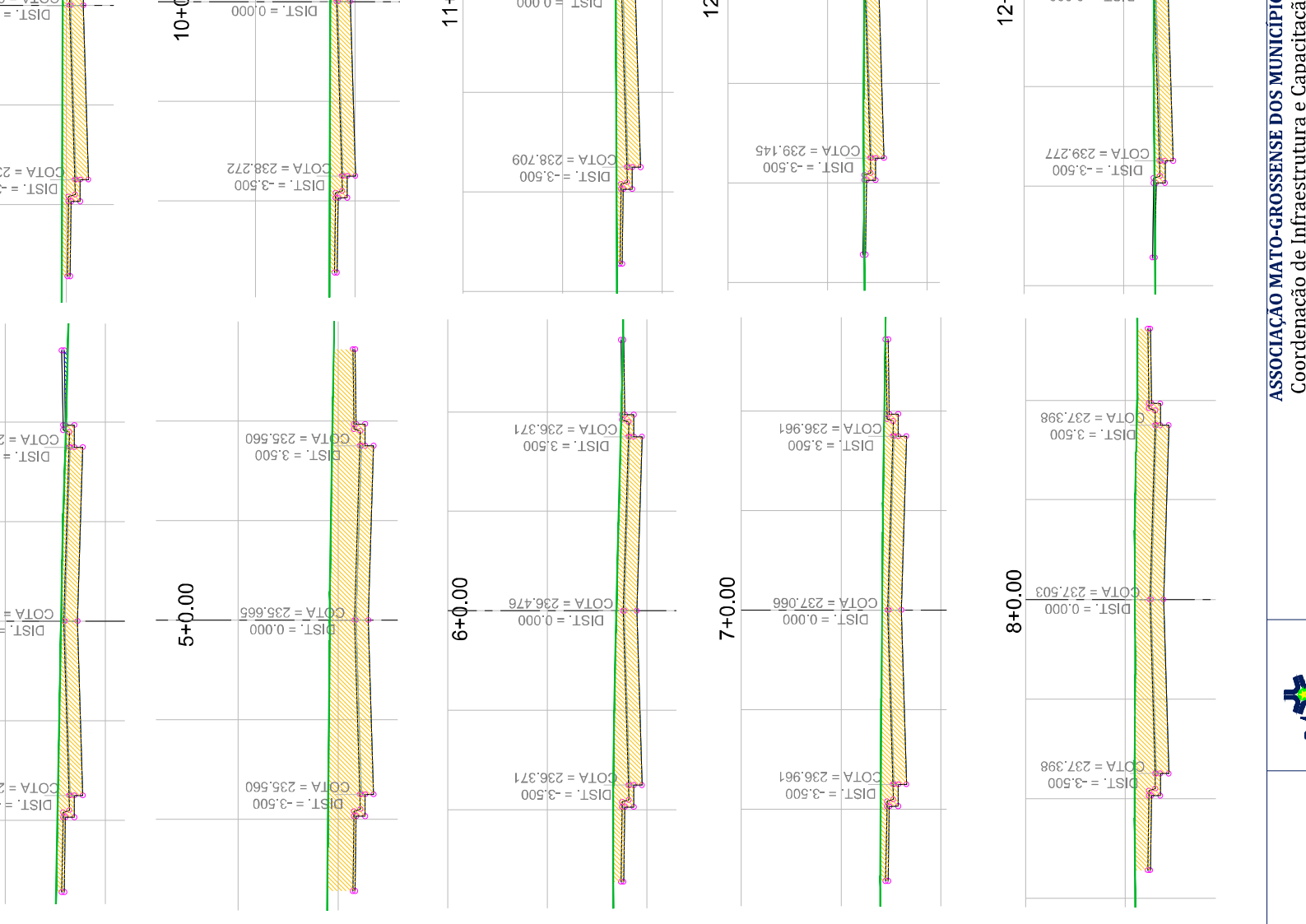
i=3.95%

d=0.115m

i=2.18%

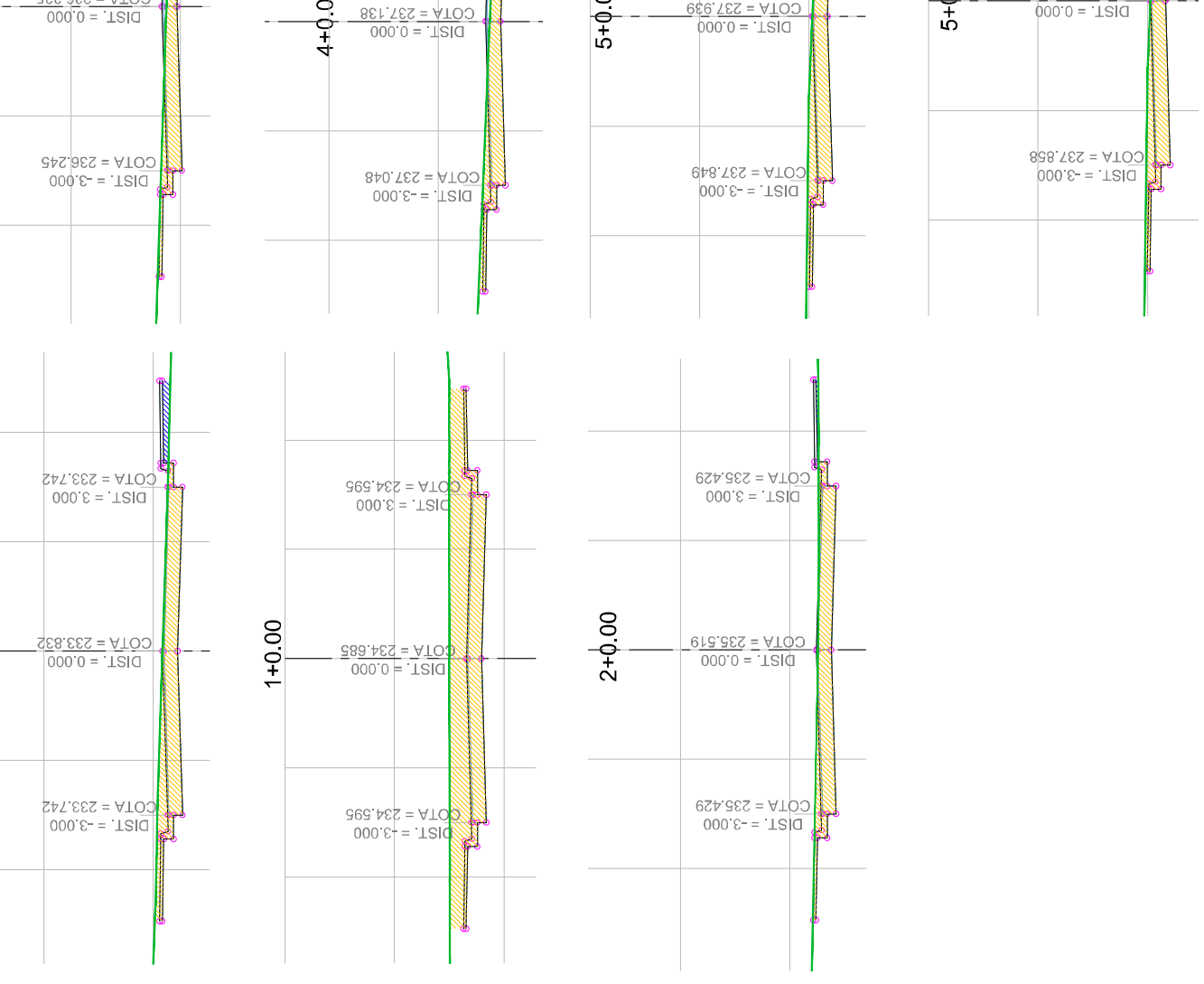
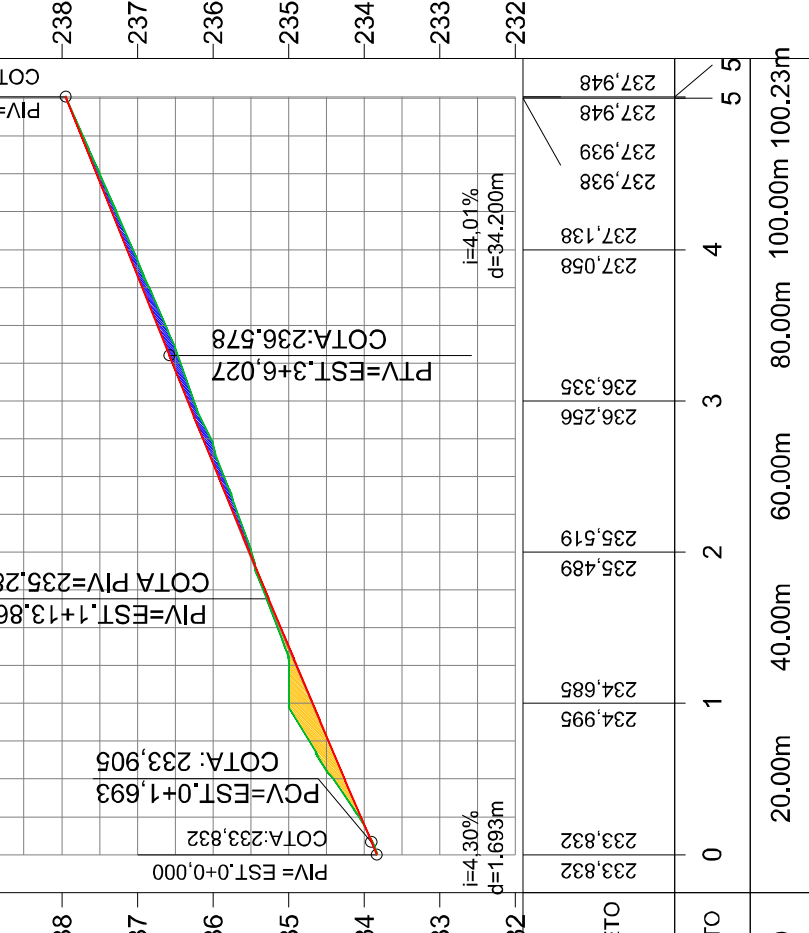
d=115.225m

0,02	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
0,01	53,51	53,51	53,51	53,51	53,51	53,16	53,16	53,16
0,03	56,91	110,42	110,42	109,67	109,67	109,67	109,67	109,67
0,04	58,54	168,96	168,96	167,53	167,53	167,53	167,53	167,53
0,06	61,11	230,07	230,07	227,62	227,62	227,62	227,62	227,62
0,00	110,48	340,55	340,55	337,48	337,48	337,48	337,48	337,48
0,00	118,34	458,89	458,89	455,82	455,82	455,82	455,82	455,82
0,00	76,69	535,58	535,58	532,51	532,51	532,51	532,51	532,51
0,00	94,28	629,85	629,85	626,79	626,79	626,79	626,79	626,79
0,00	97,64	727,49	727,49	724,43	724,43	724,43	724,43	724,43
0,00	79,60	807,09	807,09	804,03	804,03	804,03	804,03	804,03
0,00	75,65	882,74	882,74	879,67	879,67	879,67	879,67	879,67
0,01	63,14	945,88	945,88	942,74	942,74	942,74	942,74	942,74
0,02	15,27	961,15	961,15	957,92	957,92	957,92	957,92	957,92



De se referem ao greide acabado



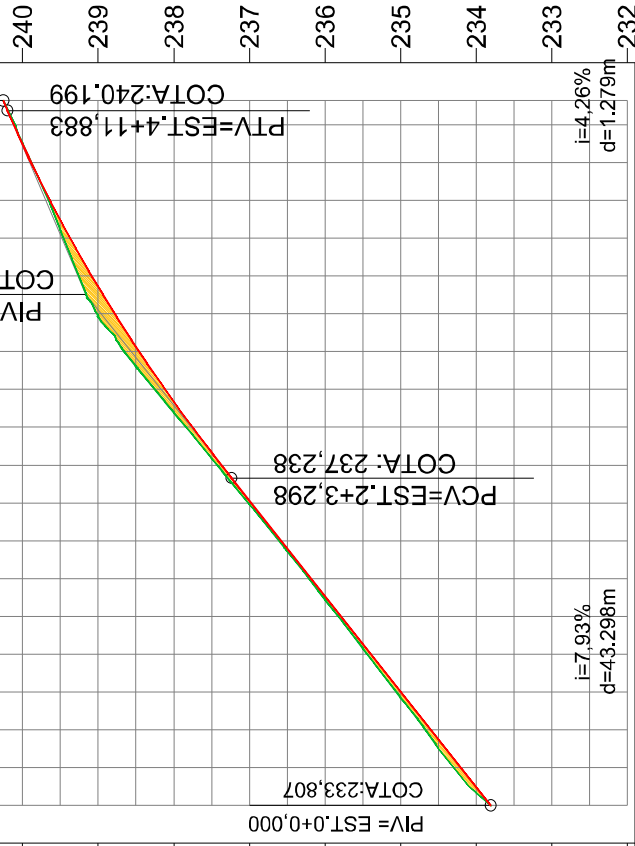


VOLUME TOTAL

Área de Aterro (m²)	Volume de Corte (m³)	Volume de Aterro (m³)	Volum. Corte Acum. (m³)	Volume Aterro Acum. (m³)	Volume Líquido (m³)
0,18	0,00	0,00	0,00	0,00	0,00
0,00	74,73	1,78	74,73	1,78	72,94
0,05	72,08	0,53	146,81	2,32	144,49
0,31	36,71	3,64	183,52	5,96	177,56
0,34	33,69	6,54	217,21	12,50	204,71
0,26	39,10	6,02	256,31	18,52	237,79
0,26	0,49	0,06	256,81	18,58	238,23

De se referem ao greide acabado

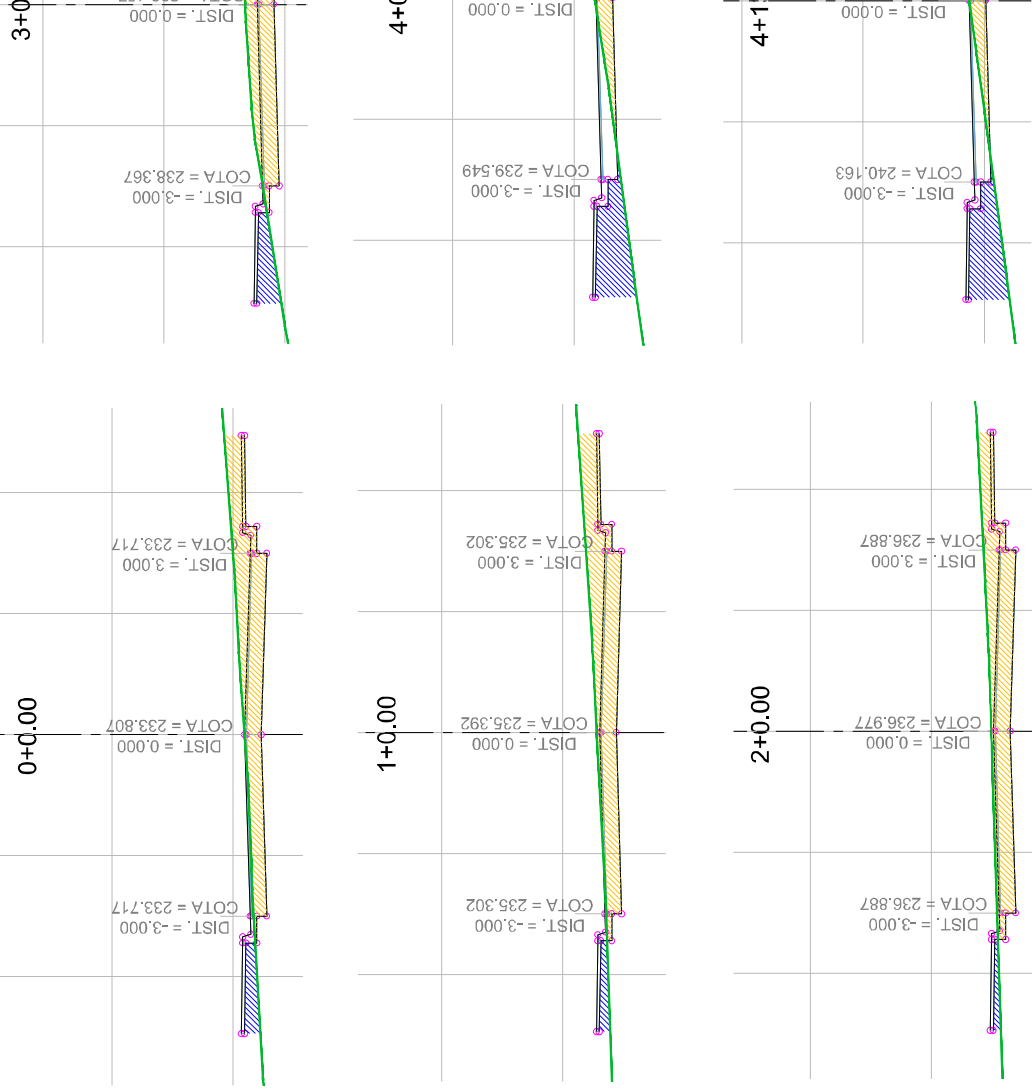


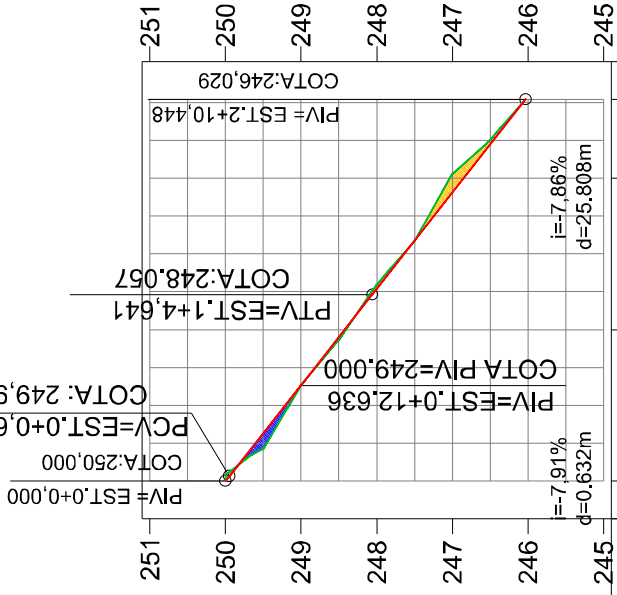


ESTACIONAMENTO	0	1	2	3	4
ELEVACAO (m)	233,807	235,440	237,017	238,657	240,253
TIPO DE TERRENO	20,00m	40,00m	60,00m	80,00m	93,16m

VOLUME TOTAL

Área de Aterro (m²)	Volume de Corte (m³)	Volume de Aterro (m³)	Vol. Cort. Acum. (m³)	Vol. Aterro Acum. (m³)	Volume Líquido (m³)
0,32	0,00	0,00	0,00	0,00	0,00
0,21	55,47	5,21	55,47	5,21	50,26
0,13	57,09	3,40	112,56	8,61	103,96
0,41	64,81	5,41	177,37	14,02	163,36
0,97	71,40	13,80	248,77	27,81	220,96
0,96	43,23	12,71	292,00	40,52	251,48



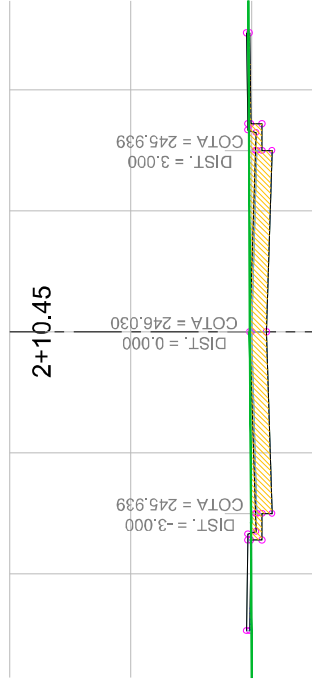
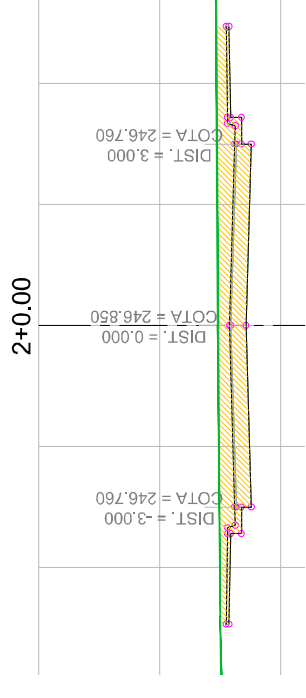
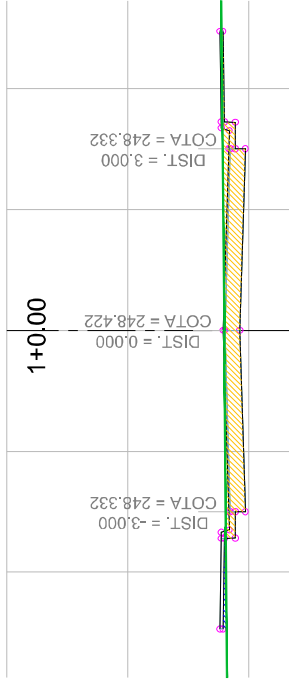
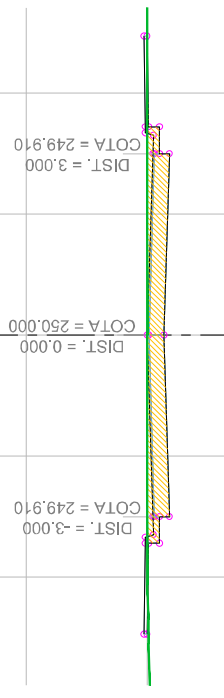


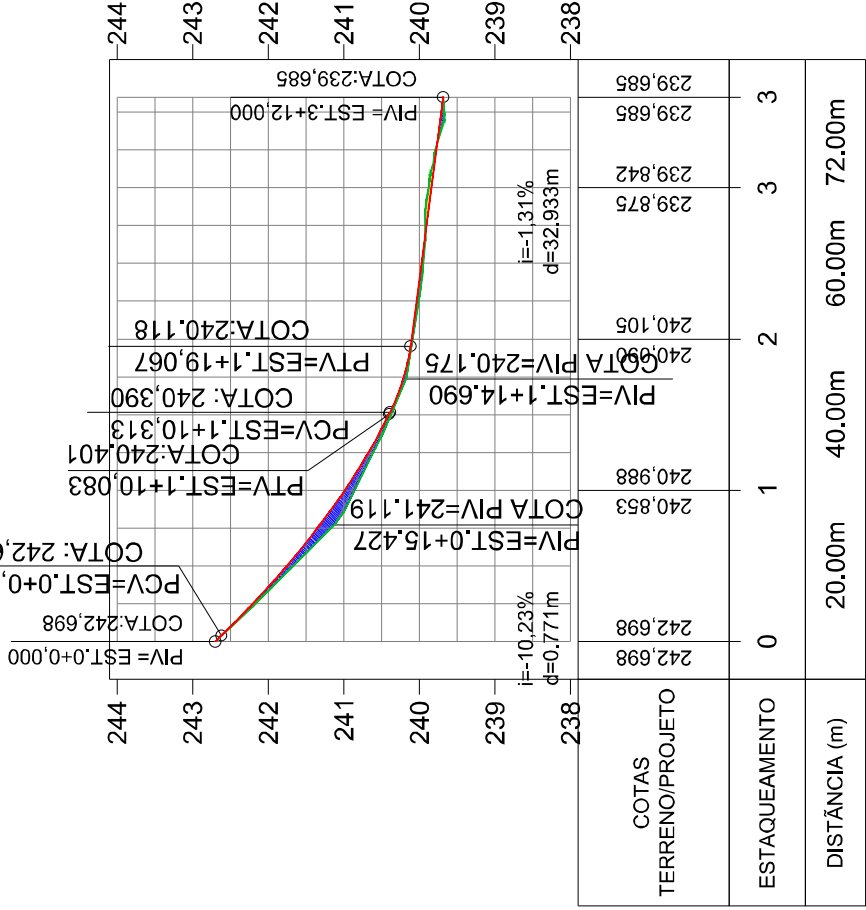
COTAS TERRENO/PROJETO	ESTAQUEAMENTO	0	1	2
250,000	248,407	248,422	247,034	246,029
250,000	20,00m	40,00m	50,45m	50,45m

PERFIL RUA PRINCESA ISABEL - TRECHO 02

VOLUME TOTAL

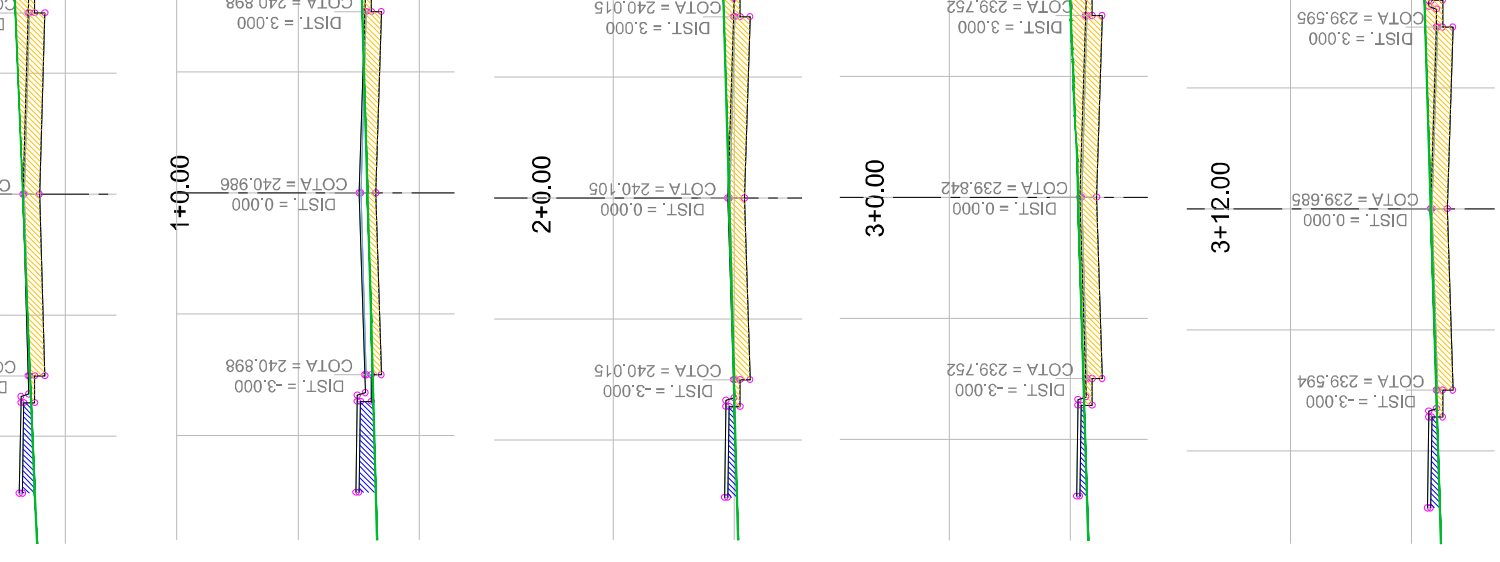
Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)	Volume de Aterro (m³)	Volum. Corte Acum. (m³)	Volum Aterro Acum. (m³)	Volume Líquido (m³)
2,12	0,01	0,00	0,00	0,00	0,00	0,00
2,04	0,06	41,57	0,70	41,57	0,70	40,86
3,93	0,00	59,72	0,63	101,29	1,33	99,95
2,14	0,02	31,72	0,11	133,01	1,44	131,57





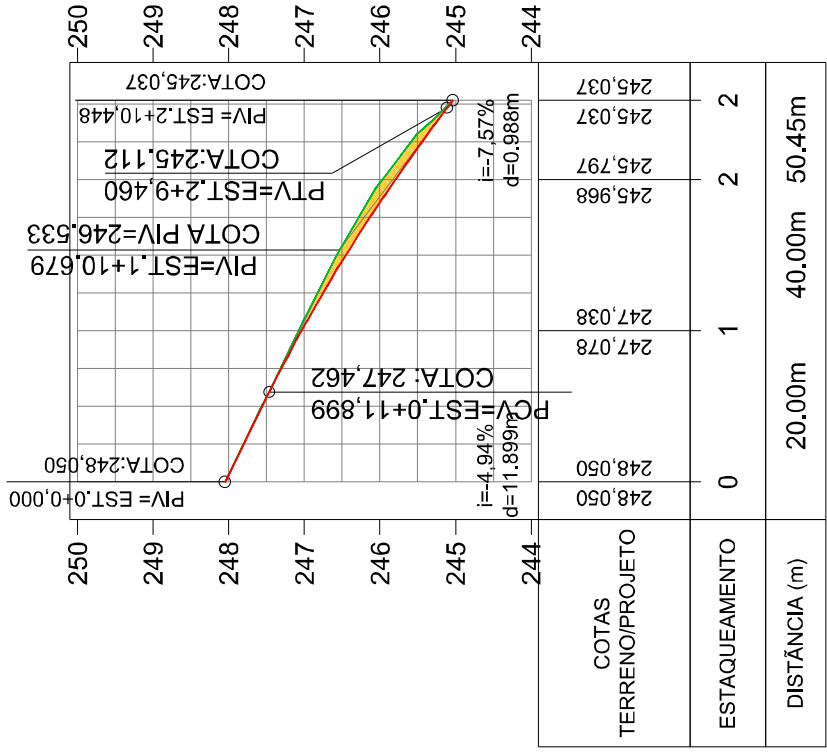
PERFIL RUA CARLOS CHAGAS - TRECHO 01

VOLUME TOTAL						
Área de Corte (m²)	Volume de Corte (m³)	Volume de Aterro (m³)	Volume de Corte Acum. (m³)	Volume de Aterro Acum. (m³)	Volume Líquido (m³)	
2,36	0,00	0,00	0,00	0,00	0,00	
1,18	35,44	6,37	35,44	6,37	29,06	
2,16	33,36	5,78	68,80	12,15	56,65	
2,63	47,87	3,03	116,67	15,19	101,48	
2,30	29,58	1,79	146,24	16,98	129,27	



De se referem ao greide acabado





COTAS TERRENO/PROJETO	248,050	247,078	245,968	245,037
ESTAQUEAMENTO	0	1	2	2
DISTÂNCIA (m)	20,00m	40,00m	50,45m	

PERFIL RUA CARLOS CHAGAS 2

VOLUME TOTAL						
	Área de Corte (m²)	Volume de Corte (m³)	Volume de Aterro (m³)	Volum. Corte Acum. (m³)	Volum Aterro Acum. (m³)	Volume Líquido (m³)
0	2,22	0,00	0,00	0,00	0,00	0,00
0	2,55	47,65	1,31	47,65	1,31	46,34
0	3,80	63,49	0,34	111,14	1,65	109,49
5	2,15	31,08	0,00	142,22	1,65	140,57

