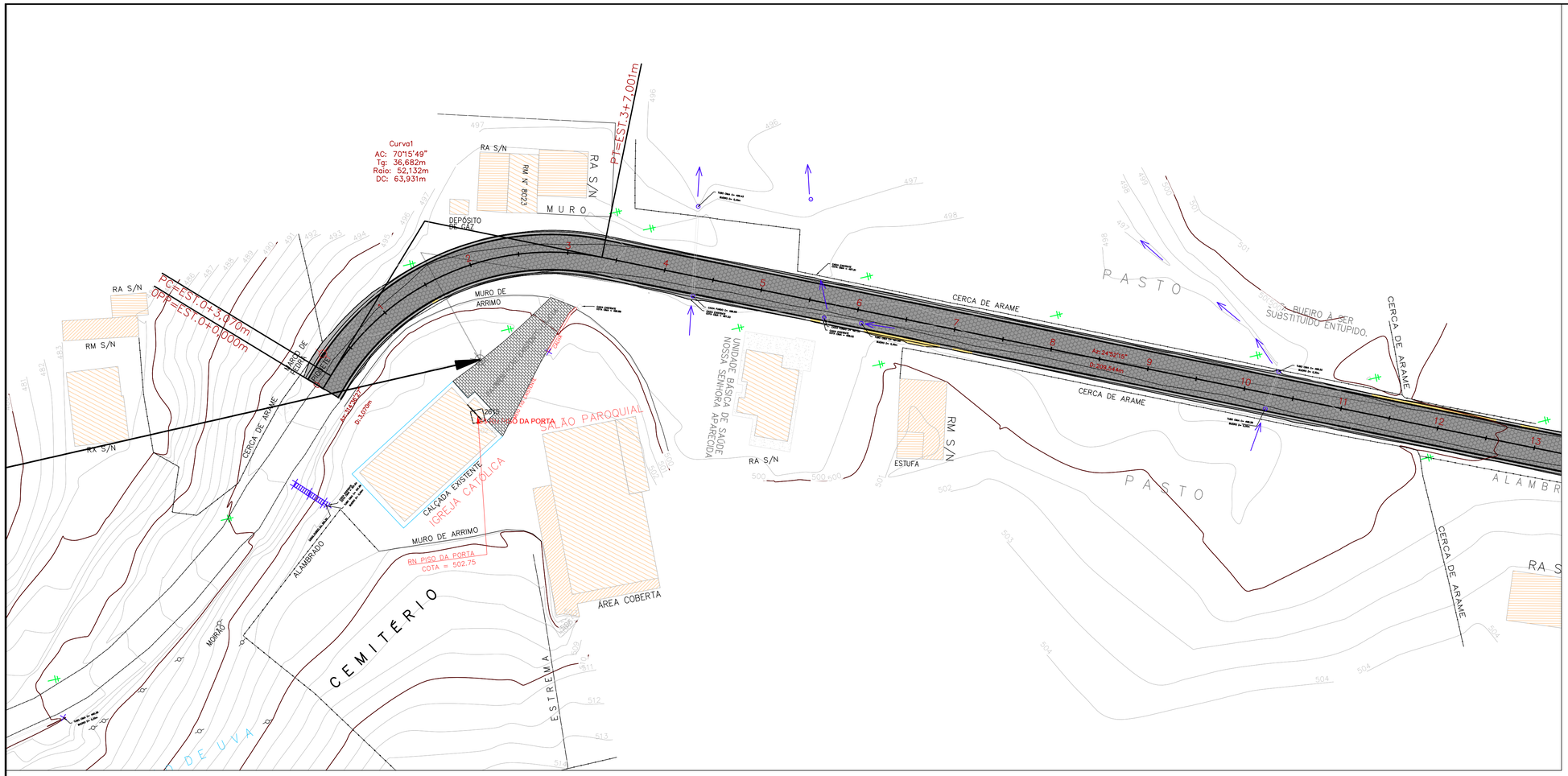
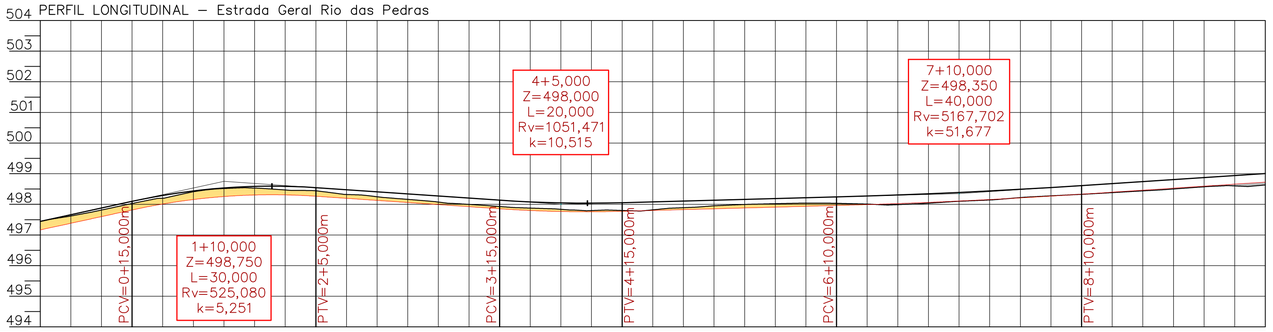


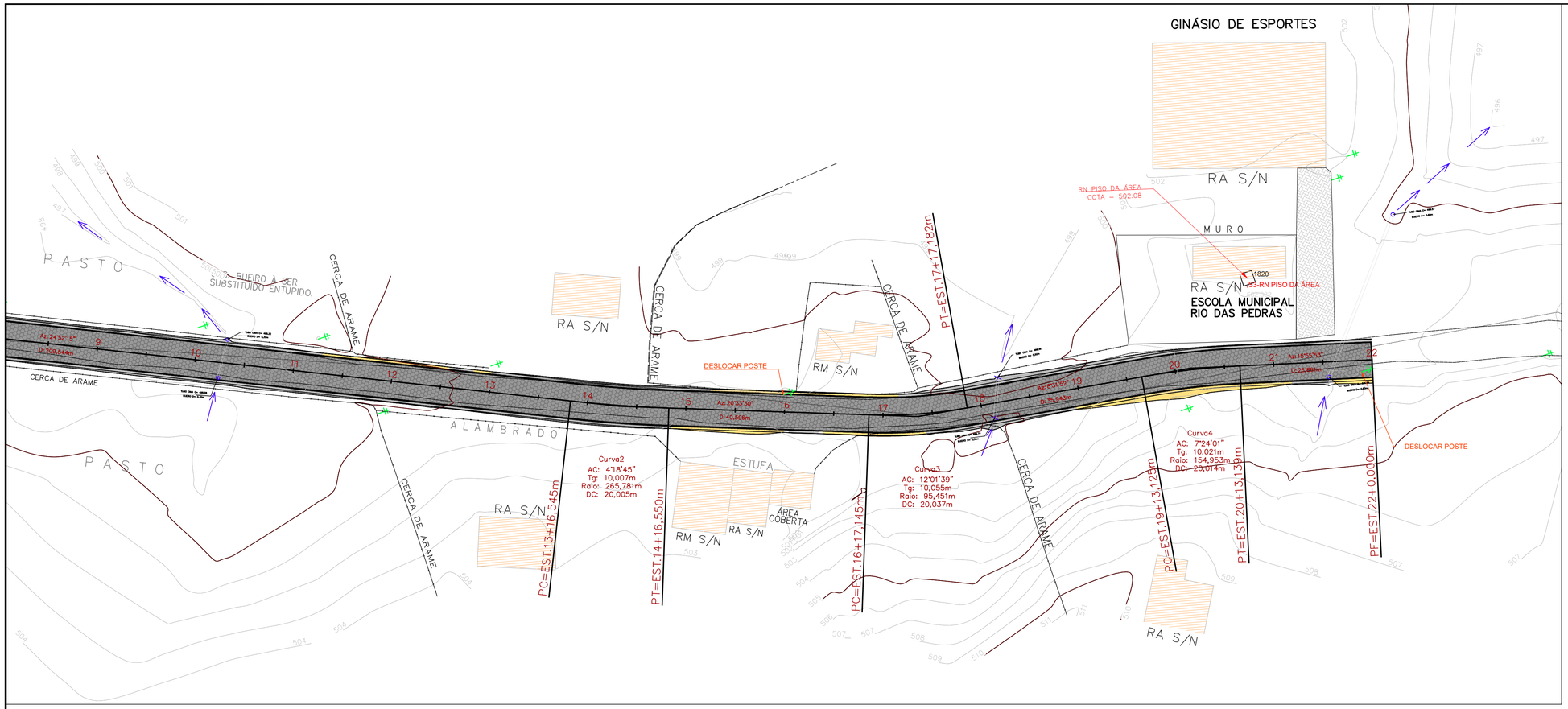
LEGENDA

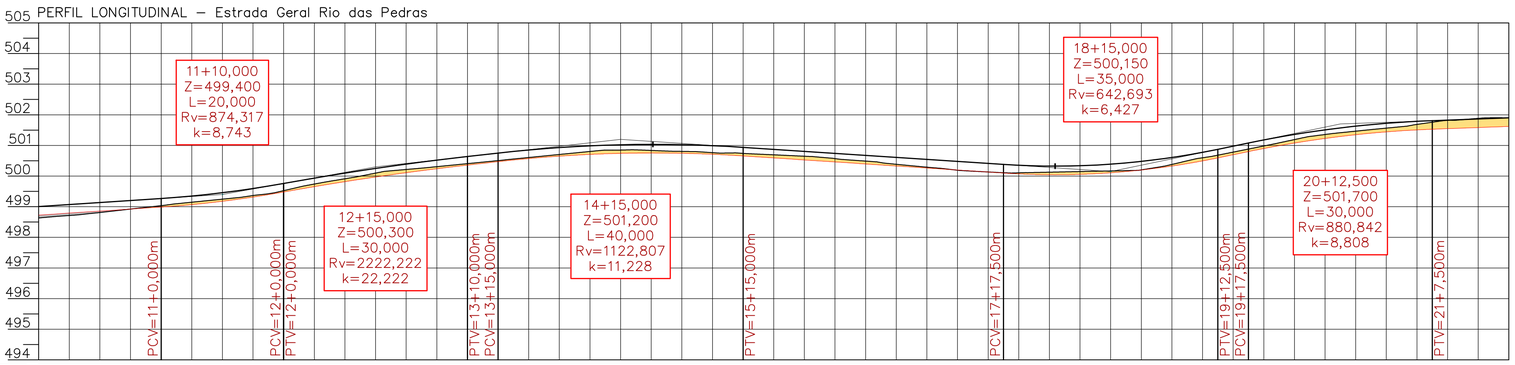
- POSTE EXISTENTE
- CADASTRO EDIFICAÇÕES EXISTENTES
- CERCA DE ARAME
- DRENAGEM/VALA EXISTENTE
- ALAMBRADO EXISTENTE
- BORDOS EXISTENTES
- CORTE
- ATERRO
- PAVIMENTO PROJETADO EM LAJOTAS SEXTAVADAS
- MEIO-FIO 13X15X30X100cm
- PAVIMENTO ACABADO
- EIXO DA PISTA DE TRÁFEGO
- GREIDE DE TERRAPLENAGEM
- TERRENO NATURAL
- DESLOCAMENTO/DEMOLIÇÃO

PERFIL LONGITUDINAL – Estrada Geral Rio das Pedras



| | | |


GINÁSIO DE ESPORTES
RA S/N
MURO
RA S/N
ESCOLA MUNICIPAL
RIO DAS PEDRAS
RN PISO DA ÁREA
COTA = 502.08
1820
RN PISO DA ÁREA
PASTO
BUEIRO A SER
SUBSTITUÍDO ENTUPIDO.
CERCA DE ARAME
RA S/N
CERCA DE ARAME
CERCA DE ARAME
PT=EST.17+17,182m
DESLOCAR POSTE
RM S/N
CERCA DE ARAME
CERCA DE ARAME
ALAMBRADO
PASTO
CERCA DE ARAME
RA S/N
PC=EST.13+16,545m
PT=EST.14+16,550m
Curva2
AC: 4°18'45"
Tg: 10,007m
Raio: 265,781m
DC: 20,005m
ESTUFA
ÁREA
COBERTA
RM S/N
RA S/N
PC=EST.16+17,145m
Curva3
AC: 12°01'39"
Tg: 10,055m
Raio: 95,451m
DC: 20,037m
CERCA DE ARAME
RA S/N
PC=EST.19+13,125m
Curva4
AC: 7°24'01"
Tg: 10,021m
Raio: 154,953m
DC: 20,014m
PT=EST.20+13,139m
PF=EST.22+0,000m
DESLOCAR POSTE
0 500 1000
N
LEGENDA
POSTE EXISTENTE
CADASTRO
EDIFICAÇÕES EXISTENTES
CERCA DE ARAME
DRENAGEM/VALA EXISTENTE
ALAMBRADO EXISTENTE
BORDOS EXISTENTES
CORTE
ATERRO
PAVIMENTO PROJETADO
EM LAJOTAS SEXTAVADAS
MEIO-FIO 13X15X30X100cm
PAVIMENTO ACABADO
EIXO DA PISTA DE TRÁFEGO
GREIDE DE TERRAPLENAGEM
TERRENO NATURAL
DESLOCAMENTO/DEMOLIÇÃO


PERFIL LONGITUDINAL – Estrada Geral Rio das Pedras
505
504
503
502
501
500
499
498
497
496
495
494
11+10,000
Z=499,400
L=20,000
Rv=874,317
k=8,743
12+15,000
Z=500,300
L=30,000
Rv=2222,222
k=22,222
14+15,000
Z=501,200
L=40,000
Rv=1122,807
k=11,228
18+15,000
Z=500,150
L=35,000
Rv=642,693
k=6,427
20+12,500
Z=501,700
L=30,000
Rv=880,842
k=8,808
PCV=11+0,000m
PCV=12+0,000m
PTV=12+0,000m
PTV=13+10,000m
PCV=13+15,000m
PTV=15+15,000m
PCV=17+17,500m
PTV=19+12,500m
PCV=19+17,500m
PTV=21+7,500m

| | | |

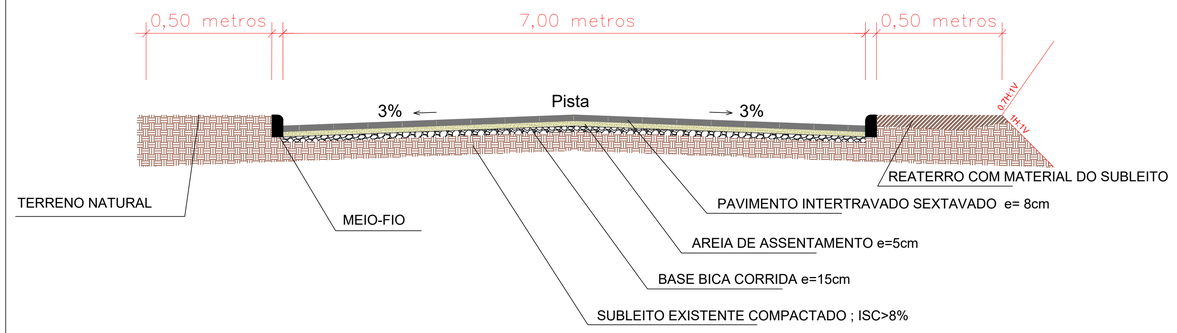
VOLUME DE BASE DO EIXO ESTRADA GERAL RIO DAS PEDRAS

ESTACA	ÁREA (m²)	VOLUME (m³)	VOLUME ACUMULADO (m³)
0+0.00m	1.09	0.00	0.00
0+3.07m	1.09	3.34	3.34
0+10.00m	1.09	7.55	10.89
1+0.00m	1.09	10.89	21.78
1+10.00m	1.09	10.89	32.67
1+15.04m	1.09	5.48	38.15
2+0.00m	1.09	5.41	43.56
2+10.00m	1.09	10.89	54.45
3+0.00m	1.09	10.89	65.34
3+7.00m	1.09	7.62	72.96
4+0.00m	1.09	14.16	87.12
5+0.00m	1.09	21.78	108.90
6+0.00m	1.09	21.78	130.68
7+0.00m	1.09	21.78	152.46
8+0.00m	1.09	21.78	174.24
9+0.00m	1.09	21.78	196.02
10+0.00m	1.09	21.78	217.80
11+0.00m	1.09	21.78	239.58
12+0.00m	1.09	21.78	261.36
13+0.00m	1.09	21.78	283.14
13+16.55m	1.09	18.02	301.16
14+0.00m	1.09	3.76	304.92
14+6.55m	1.09	7.13	312.05
14+10.00m	1.09	3.76	315.81
14+16.55m	1.09	7.13	322.94
15+10.00m	1.09	14.65	337.59
16+0.00m	1.09	10.89	348.48
16+17.15m	1.09	18.67	367.15
17+0.00m	1.09	3.11	370.26
17+7.16m	1.09	7.80	378.06
17+10.00m	1.09	3.09	381.15
17+17.18m	1.09	7.82	388.97
18+10.00m	1.09	13.96	402.93
19+0.00m	1.09	10.89	413.82
19+13.12m	1.09	14.29	428.11
20+0.00m	1.09	7.49	435.60
20+3.13m	1.09	3.41	439.01
20+13.14m	1.09	10.90	449.91
21+0.00m	1.09	7.47	457.38
21+10.00m	1.09	10.89	468.27
22+0.00m	1.09	10.89	479.16

VOLUME TOTAL Estrada Geral Rio das Pedras

Estaca	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)
0+0,00m	2,07	0,34	0.00	0,00	0,00	0,00	0,00
0+3,07m	2,06	0,63	6.34	1,48	6,34	1,48	4,86
0+10,00m	1,99	0,55	14.08	4,24	20,41	5,72	14,70
1+0,00m	1,71	0,44	18.60	5,08	39,02	10,79	28,23
1+10,00m	2,36	0,05	20.39	2,54	59,41	13,33	46,08
1+15,04m	1,90	0,20	10.77	0,63	70,17	13,96	56,22
2+0,00m	1,53	0,25	8.59	1,08	78,76	15,03	63,73
2+10,00m	1,34	0,26	14.46	2,49	93,22	17,52	75,70
3+0,00m	1,07	0,34	12.11	2,97	105,32	20,48	84,84
3+7,00m	0,86	0,33	6.75	2,34	112,07	22,82	89,25
4+0,00m	0,89	0,31	11.33	4,16	123,40	26,98	96,42
5+0,00m	0,57	0,29	14.57	6,01	137,98	32,99	104,98
6+0,00m	1,22	0,25	17.87	5,43	155,84	38,42	117,42
7+0,00m	0,18	0,60	13.94	8,49	169,78	46,91	122,87
8+0,00m	0,29	0,48	4.66	10,76	174,44	57,67	116,77
9+0,00m	0,17	0,89	4.55	13,68	178,99	71,35	107,64
10+0,00m	0,06	1,29	2.24	21,80	181,23	93,15	88,08
11+0,00m	0,49	0,37	5.48	16,61	186,71	109,76	76,95
12+0,00m	0,75	0,17	12.36	5,38	199,07	115,14	83,93
13+0,00m	1,18	0,14	19.22	3,05	218,29	118,19	100,11
13+16,55m	0,59	0,34	14.65	3,96	232,94	122,15	110,79
14+0,00m	0,65	0,33	2.15	1,17	235,09	123,32	111,78
14+6,55m	0,94	0,27	5.23	1,98	240,32	125,29	115,03
14+10,00m	1,19	0,22	3.69	0,84	244,01	126,14	117,87
14+16,55m	1,27	0,19	8.06	1,33	252,07	127,47	124,60
15+10,00m	1,37	0,03	17.73	1,48	269,80	128,95	140,85
16+0,00m	1,26	0,02	13.16	0,27	282,96	129,22	153,74
16+17,15m	1,17	0,01	20.84	0,26	303,80	129,47	174,32
17+0,00m	1,17	0,02	3.37	0,04	307,17	129,51	177,66
17+7,16m	0,82	0,27	7.28	1,01	314,45	130,53	183,93
17+10,00m	0,62	0,44	2.10	0,97	316,56	131,50	185,06
17+17,18m	0,26	0,74	3.26	4,15	319,82	135,64	184,17
18+10,00m	0,70	0,74	6.15	9,48	325,97	145,13	180,84
19+0,00m	0,77	0,67	7.33	7,03	333,30	152,16	181,15
19+13,12m	2,54	0,27	21.74	6,17	355,04	158,33	196,71
20+0,00m	2,36	0,15	16.59	1,49	371,63	159,82	211,82
20+3,13m	1,94	0,14	6.64	0,47	378,27	160,29	217,98
20+13,14m	1,54	0,10	17.28	1,24	395,55	161,52	234,03
21+0,00m	1,61	0,07	10.82	0,57	406,37	162,09	244,28
21+10,00m	2,04	0,29	18.26	1,79	424,63	163,88	260,75
22+0,00m	3,51	0,05	27.77	1,69	452,40	165,57	286,83

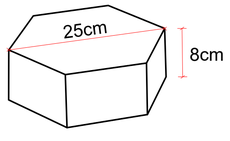
SEÇÃO TIPO DA ESTRADA RIO DAS PEDRAS - S/ ESCALA
DA ESTACA 0+0,00m=PP ATÉ A ESTACA 22



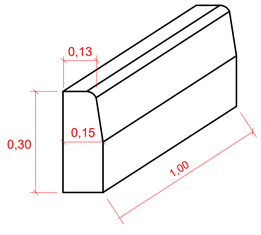
ELEMENTOS GEOMÉTRICOS – ESTRADA GERAL RIO DAS PEDRAS

Nº	DEFLEXÃO/ AZIMUTE	LC (m)	TT (m)	TL (m)	TC (m)	R (m)	D/L (m)	AC	TE–PC	ET–PT	PONTO	PI	TE–PC	ET–PT
L1	314° 36' 26.69"	–	–	–	–	–	3,070	–	0+0,000	0+3,070	N E	–	6963141,4974 671352,3708	6963143,6530 671350,1854
Curva1	–	–	11,612	–	–	52,132	63,931	070° 15' 48.73"	0+3,070	3+7,001	N E	6963169,4130 671324,0699	6963143,6530 671350,1854	6963202,6934 671339,4977
L2	024° 52' 15.42"	–	–	–	–	–	209,544	–	3+7,001	13+16,545	N E	–	6963202,6934 671339,4977	6963392,8039 671427,6269
Curva2	–	–	0,188	–	–	265,781	20,005	004° 18' 45.09"	13+16,545	14+16,550	N E	6963401,8829 671431,8356	6963392,8039 671427,6269	6963411,2527 671435,3497
L3	020° 33' 30.33"	–	–	–	–	–	40,596	–	14+16,550	16+17,145	N E	–	6963411,2527 671435,3497	6963449,2629 671449,6054
Curva3	–	–	0,528	–	–	95,451	20,037	012° 01' 38.65"	16+17,145	17+17,182	N E	6963458,6778 671453,1364	6963449,2629 671449,6054	6963468,6219 671454,6281
L4	008° 31' 51.68"	–	–	–	–	–	35,943	–	17+17,182	19+13,125	N E	–	6963468,6219 671454,6281	6963504,1668 671459,9600
Curva4	–	–	0,324	–	–	154,953	20,014	007° 24' 01.36"	19+13,125	20+13,139	N E	6963514,0768 671461,4465	6963504,1668 671459,9600	6963523,7128 671464,1971
L5	015° 55' 53.03"	–	–	–	–	–	26,861	–	20+13,139	22+0,000	N E	–	6963523,7128 671464,1971	6963549,5425 671471,5702

DETALHE DA LAJOTA



DETALHE DO MEIO-FIO



DETALHAMENTOS

MUNICÍPIO
LEOBERTO LEAL - SC

OBRA
ESTRADA GERAL RIO DAS PEDRAS

CONTEÚDO

PROJETO

DANIEL DEVERLI DE JESUS RAMOS
Engenheiro Civil
CREA/SC 175964-8

APROVAÇÃO DA PREFEITURA

REVISÃO
VERSÃO INICIAL

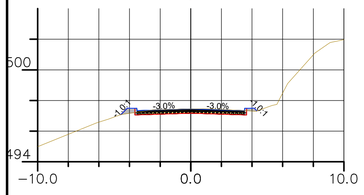
DATA
NOVEMBRO/2025

PRANCHA
GEO - 03/05

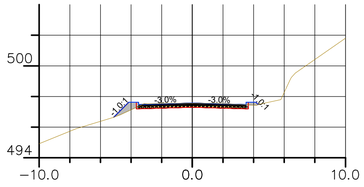
ASSOCIAÇÃO DOS MUNICÍPIOS
DA REGIÃO DA GRANDE FLORIANÓPOLIS
"GRANFPOLIS"
ASSESSORIA DE ENGENHARIA E ARQUITETURA

1_GRANF_INFRA_LL_GEO_ESTRADA GERAL RIO DAS PEDRAS.dwg
19.11.2025
INFRA_GRANFPOLIS

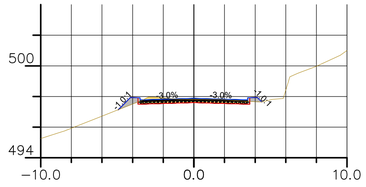
ESTACA: 0+0.000m
Cota do Terreno: 497.445
Cota do Terrapleno: 497.165
Cota do Projeto: 497.445



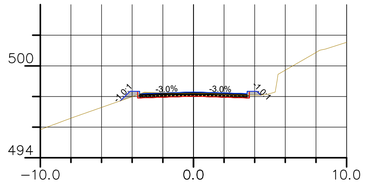
ESTACA: 0+3.070m
Cota do Terreno: 497.557
Cota do Terrapleno: 497.299
Cota do Projeto: 497.579



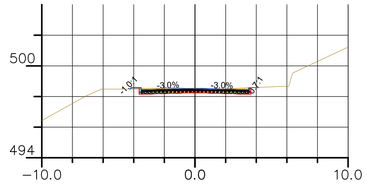
ESTACA: 0+10.000m
Cota do Terreno: 497.814
Cota do Terrapleno: 497.600
Cota do Projeto: 497.880



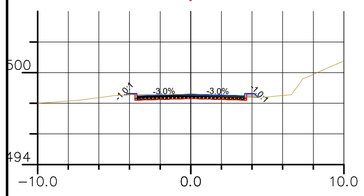
ESTACA: 1+0.000m
Cota do Terreno: 498.200
Cota do Terrapleno: 498.011
Cota do Projeto: 498.291



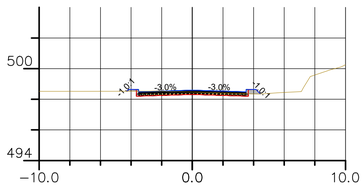
ESTACA: 1+10.000m
Cota do Terreno: 498.516
Cota do Terrapleno: 498.256
Cota do Projeto: 498.536



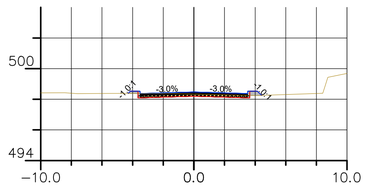
ESTACA: 1+15.035m
Cota do Terreno: 498.531
Cota do Terrapleno: 498.307
Cota do Projeto: 498.587



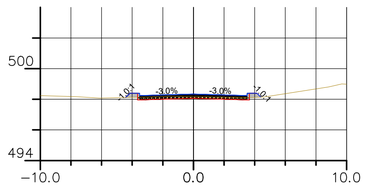
ESTACA: 2+0.000m
Cota do Terreno: 498.470
Cota do Terrapleno: 498.310
Cota do Projeto: 498.590



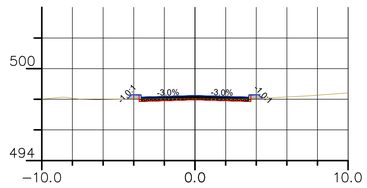
ESTACA: 2+10.000m
Cota do Terreno: 498.322
Cota do Terrapleno: 498.197
Cota do Projeto: 498.477



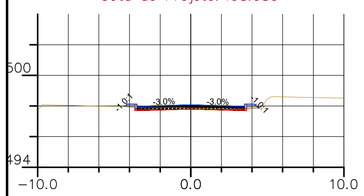
ESTACA: 3+0.000m
Cota do Terreno: 498.163
Cota do Terrapleno: 498.061
Cota do Projeto: 498.341



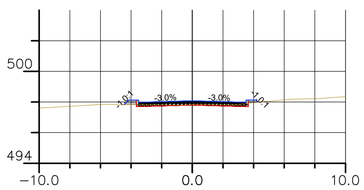
ESTACA: 3+7.001m
Cota do Terreno: 498.033
Cota do Terrapleno: 497.965
Cota do Projeto: 498.245



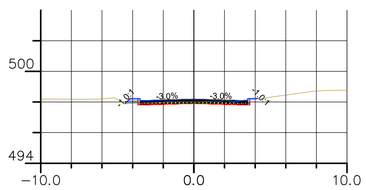
ESTACA: 4+0.000m
Cota do Terreno: 497.878
Cota do Terrapleno: 497.800
Cota do Projeto: 498.080



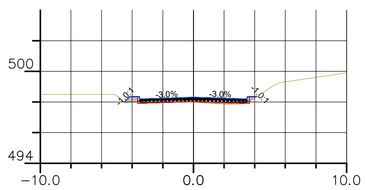
ESTACA: 5+0.000m
Cota do Terreno: 497.821
Cota do Terrapleno: 497.801
Cota do Projeto: 498.081



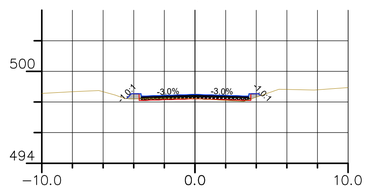
ESTACA: 6+0.000m
Cota do Terreno: 498.021
Cota do Terrapleno: 497.908
Cota do Projeto: 498.188



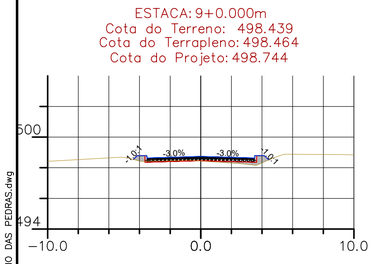
ESTACA: 7+0.000m
Cota do Terreno: 497.990
Cota do Terrapleno: 498.026
Cota do Projeto: 498.306



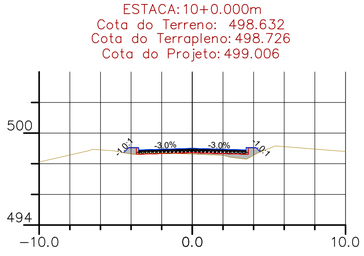
ESTACA: 8+0.000m
Cota do Terreno: 498.221
Cota do Terrapleno: 498.211
Cota do Projeto: 498.491



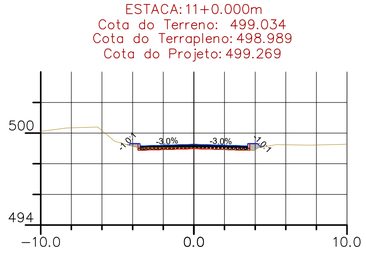
ESTACA: 9+0.000m
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Cota do Terrapleno: 498.464
Cota do Projeto: 498.744



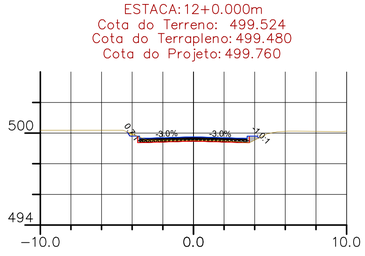
ESTACA: 10+0.000m
Cota do Terreno: 498.632
Cota do Terrapleno: 498.726
Cota do Projeto: 499.006



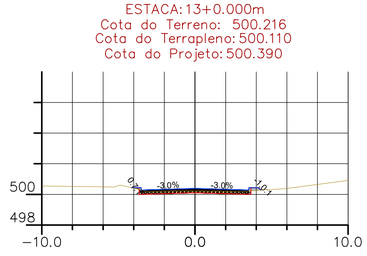
ESTACA: 11+0.000m
Cota do Terreno: 499.034
Cota do Terrapleno: 498.989
Cota do Projeto: 499.269



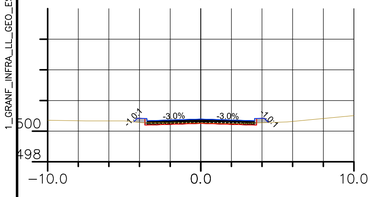
ESTACA: 12+0.000m
Cota do Terreno: 499.524
Cota do Terrapleno: 499.480
Cota do Projeto: 499.760



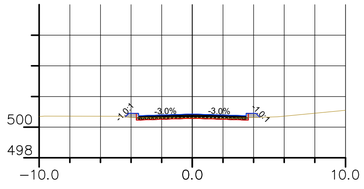
ESTACA: 13+0.000m
Cota do Terreno: 500.216
Cota do Terrapleno: 500.110
Cota do Projeto: 500.390



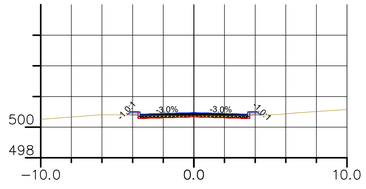
ESTACA: 13+16.545m
Cota do Terreno: 500.538
Cota do Terrapleno: 500.504
Cota do Projeto: 500.784



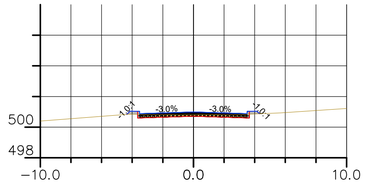
ESTACA: 14+0.000m
Cota do Terreno: 500.606
Cota do Terrapleno: 500.571
Cota do Projeto: 500.851



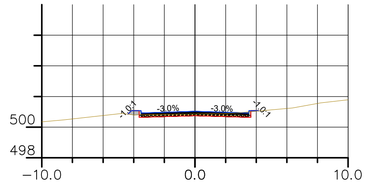
ESTACA: 14+6.547m
Cota do Terreno: 500.735
Cota do Terrapleno: 500.670
Cota do Projeto: 500.950



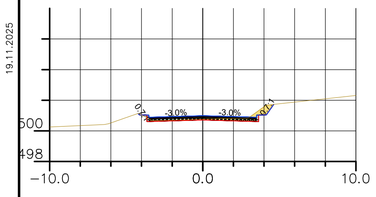
ESTACA: 14+10.000m
Cota do Terreno: 500.803
Cota do Terrapleno: 500.707
Cota do Projeto: 500.987



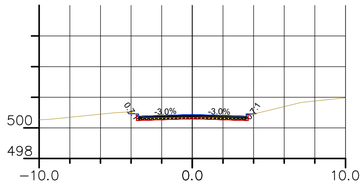
ESTACA: 14+16.550m
Cota do Terreno: 500.857
Cota do Terrapleno: 500.748
Cota do Projeto: 501.028



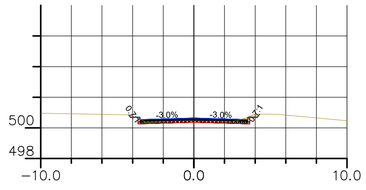
ESTACA: 15+10.000m
Cota do Terreno: 500.765
Cota do Terrapleno: 500.712
Cota do Projeto: 500.992



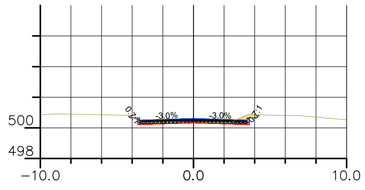
ESTACA: 16+0.000m
Cota do Terreno: 500.694
Cota do Terrapleno: 500.592
Cota do Projeto: 500.872



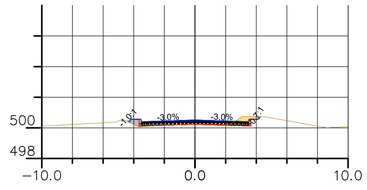
ESTACA: 16+17.145m
Cota do Terreno: 500.453
Cota do Terrapleno: 500.367
Cota do Projeto: 500.647



ESTACA: 17+0.000m
Cota do Terreno: 500.384
Cota do Terrapleno: 500.329
Cota do Projeto: 500.609



ESTACA: 17+7.164m
Cota do Terreno: 500.255
Cota do Terrapleno: 500.235
Cota do Projeto: 500.515



LEGENDA

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PROJETO GEOMÉTRICO

MUNICÍPIO
LEOBERTO LEAL - SC

OBRA
ESTRADA GERAL RIO DAS PEDRAS

CONTEÚDO
SEÇÕES TRANSVERSAIS DE TERRAPLANAGEM

PROJETO
DANIEL DEVERLI DE JESUS RAMOS
Engenheiro Civil
CREA/SC 175964-8

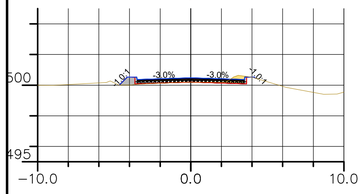
APROVAÇÃO DA PREFEITURA

REVISÃO	DATA	PRANCHA
VERSÃO INICIAL	NOVEMBRO/2025	GEO - 04/05

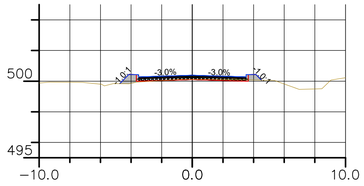
ASSOCIAÇÃO DOS MUNICÍPIOS
DA REGIÃO DA GRANDE FLORIANÓPOLIS
"GRANFPOLIS"
ASSESSORIA DE ENGENHARIA E ARQUITETURA

1_GRANF_INFRA_LL_GEO_ESTRADA GERAL RIO DAS PEDRAS.dwg
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INFRA_GRANFPOLIS

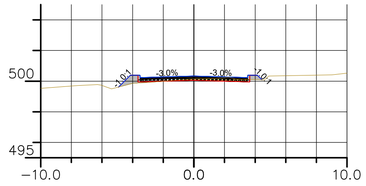
ESTACA: 17+10.000m
Cota do Terreno: 500.191
Cota do Terrapleno: 500.198
Cota do Projeto: 500.478



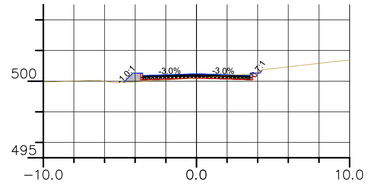
ESTACA: 17+17.182m
Cota do Terreno: 500.112
Cota do Terrapleno: 500.104
Cota do Projeto: 500.384



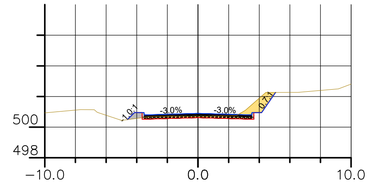
ESTACA: 18+10.000m
Cota do Terreno: 500.147
Cota do Terrapleno: 500.057
Cota do Projeto: 500.337



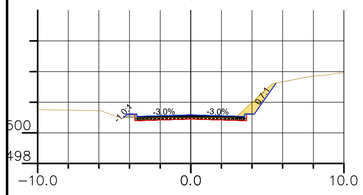
ESTACA: 19+0.000m
Cota do Terreno: 500.201
Cota do Terrapleno: 500.198
Cota do Projeto: 500.478



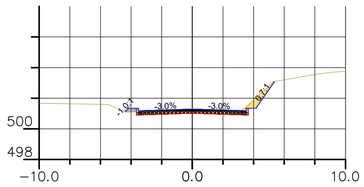
ESTACA: 19+13.125m
Cota do Terreno: 500.707
Cota do Terrapleno: 500.619
Cota do Projeto: 500.899



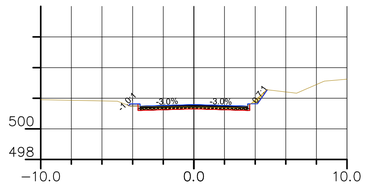
ESTACA: 20+0.000m
Cota do Terreno: 500.982
Cota do Terrapleno: 500.900
Cota do Projeto: 501.180



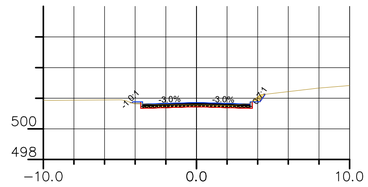
ESTACA: 20+3.132m
Cota do Terreno: 501.112
Cota do Terrapleno: 501.015
Cota do Projeto: 501.295



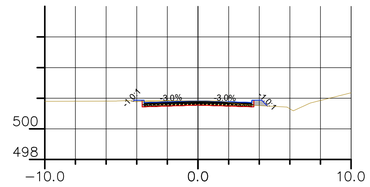
ESTACA: 20+13.139m
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Cota do Terrapleno: 501.308
Cota do Projeto: 501.588



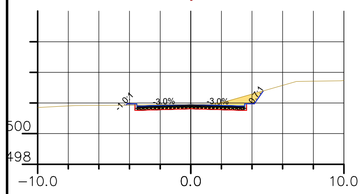
ESTACA: 21+0.000m
Cota do Terreno: 501.565
Cota do Terrapleno: 501.443
Cota do Projeto: 501.723



ESTACA: 21+10.000m
Cota do Terreno: 501.819
Cota do Terrapleno: 501.547
Cota do Projeto: 501.827



ESTACA: 22+0.000m
Cota do Terreno: 501.900
Cota do Terrapleno: 501.620
Cota do Projeto: 501.900



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LEOBERTO LEAL - SC

OBRA
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CONTEÚDO
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PROJETO
DANIEL DEVERLI DE JESUS RAMOS
Engenheiro Civil
CREA/SC 175964-8

APROVAÇÃO DA PREFEITURA

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ASSOCIAÇÃO DOS MUNICÍPIOS
DA REGIÃO DA GRANDE FLORIANÓPOLIS
"GRANFPOLIS"
ASSESSORIA DE ENGENHARIA E ARQUITETURA

INFRA_GRANFPOLIS 19.11.2025 1_GRANF_INFRA_LL_GEO_ESTRADA GERAL RIO DAS PEDRAS.dwg