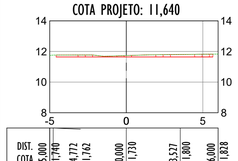
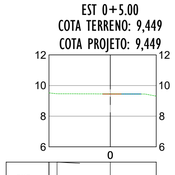
EST 0+0.00
COTA TERRENO: 11,640
COTA PROJETO: 11,640



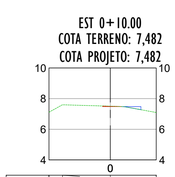
DIST.	-5.000	-4.772	0.000	3.527	6.000
COTA	11,740	11,762	11,730	11,800	11,838

EST 0+5.00
COTA TERRENO: 9,449
COTA PROJETO: 9,449



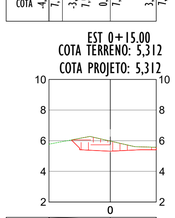
DIST.	-4.000	-3.476	0.000	3.000
COTA	8,524	9,463	9,452	9,310

EST 0+10.00
COTA TERRENO: 7,482
COTA PROJETO: 7,482



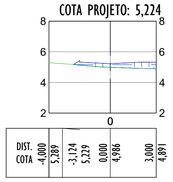
DIST.	-4.000	-3.125	0.000	3.000
COTA	7,113	7,598	7,504	7,091

EST 0+15.00
COTA TERRENO: 5,312
COTA PROJETO: 5,312



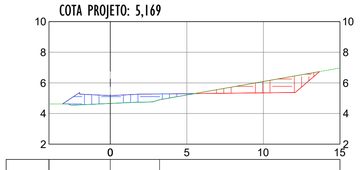
DIST.	-4.000	-3.974	0.000	3.000
COTA	5,740	5,780	5,977	5,578

EST 1+0.00
COTA TERRENO: 5,224
COTA PROJETO: 5,224



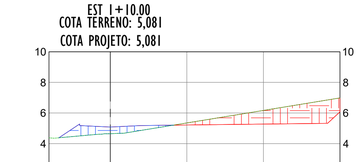
DIST.	-4.000	-3.124	0.000	3.000
COTA	5,289	5,229	4,986	4,891

EST 1+5.00
COTA TERRENO: 5,169
COTA PROJETO: 5,169



DIST.	-4.000	0.000	3.219	15.000
COTA	4,631	4,657	4,898	6,970

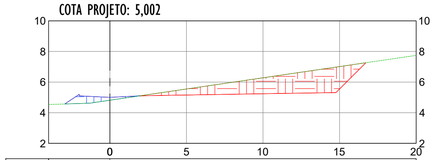
EST 1+10.00
COTA TERRENO: 5,081
COTA PROJETO: 5,081



DIST.	-4.000	-3.464	0.000	15.000
COTA	4,378	4,354	4,651	6,984

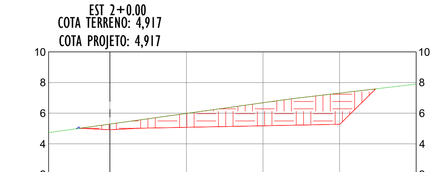
1 SEÇÃO TRANSVERSAL
H= 200
V= 1:100

EST 1+15.00
COTA TERRENO: 5,002
COTA PROJETO: 5,002



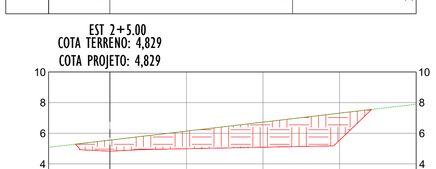
DIST.	-4.000	0.000	20.000
COTA	4,536	4,816	7,743

EST 2+0.00
COTA TERRENO: 4,917
COTA PROJETO: 4,917



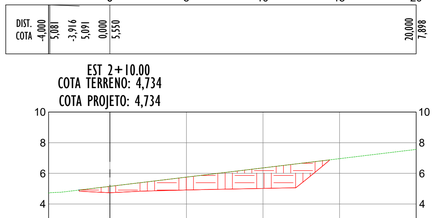
DIST.	-4.000	0.000	11,921	20.000
COTA	4,731	5,288	6,949	7,896

EST 2+5.00
COTA TERRENO: 4,829
COTA PROJETO: 4,829



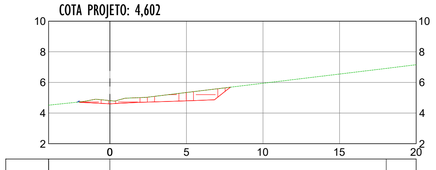
DIST.	-4.000	-3.916	0.000	20.000
COTA	5,081	5,091	5,550	7,898

EST 2+10.00
COTA TERRENO: 4,734
COTA PROJETO: 4,734



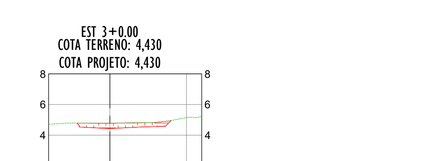
DIST.	-4.000	-3.202	0.000	20.000
COTA	4,710	4,765	5,151	7,561

EST 2+15.00
COTA TERRENO: 4,602
COTA PROJETO: 4,602



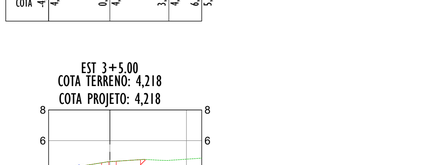
DIST.	-4.000	0.000	18,045	20.000
COTA	4,515	4,813	6,914	7,156

EST 3+0.00
COTA TERRENO: 4,430
COTA PROJETO: 4,430



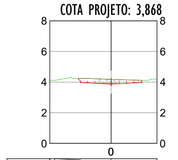
DIST.	-4.000	0.000	3,852	6,000
COTA	4,708	4,715	4,923	5,209

EST 3+5.00
COTA TERRENO: 4,218
COTA PROJETO: 4,218



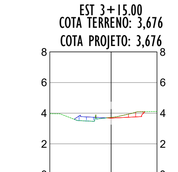
DIST.	-4.000	-3,052	0.000	3,291	6,000
COTA	4,135	4,142	4,626	4,715	4,835

EST 3+10.00
COTA TERRENO: 3,868
COTA PROJETO: 3,868



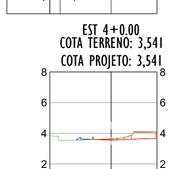
DIST.	-4.000	-3,694	0.000	3,000
COTA	4,124	4,107	4,174	4,200

EST 3+15.00
COTA TERRENO: 3,676
COTA PROJETO: 3,676



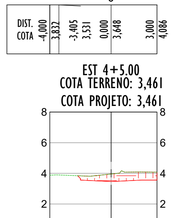
DIST.	-4.000	-3,326	0.000	3,000
COTA	3,967	3,955	3,723	4,107

EST 4+0.00
COTA TERRENO: 3,541
COTA PROJETO: 3,541



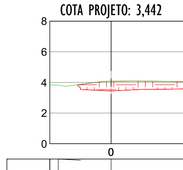
DIST.	-4.000	-3,405	0.000	3,000
COTA	3,832	3,531	3,648	4,088

EST 4+5.00
COTA TERRENO: 3,461
COTA PROJETO: 3,461



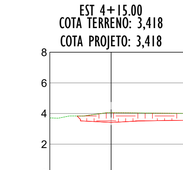
DIST.	-4.000	-3,540	0.000	3,000
COTA	3,874	3,900	3,954	4,075

EST 4+10.00
COTA TERRENO: 3,442
COTA PROJETO: 3,442



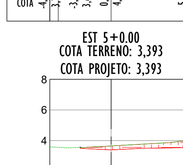
DIST.	-4.000	-3,449	0.000	5,016	8,796	13,000
COTA	3,838	3,826	4,011	4,051	4,056	4,112

EST 4+15.00
COTA TERRENO: 3,418
COTA PROJETO: 3,418



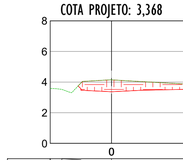
DIST.	-4.000	-3,448	0.000	5,101	11,787	13,000
COTA	3,712	3,694	4,053	4,003	4,116	4,110

EST 5+0.00
COTA TERRENO: 3,393
COTA PROJETO: 3,393



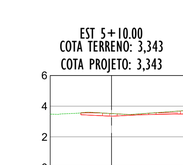
DIST.	-4.000	0.000	3,943	10,952	13,000
COTA	3,591	3,651	3,878	3,904	4,020

EST 5+5.00
COTA TERRENO: 3,368
COTA PROJETO: 3,368



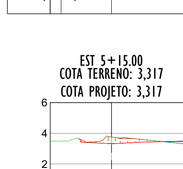
DIST.	-4.000	-3,241	0.000	5,329	10,077	13,000
COTA	3,583	3,524	4,145	3,843	3,837	3,815

EST 5+10.00
COTA TERRENO: 3,343
COTA PROJETO: 3,343



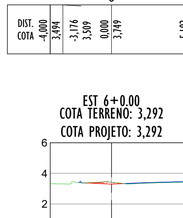
DIST.	-4.000	-3,288	0.000	5,283	8,720	12,045	13,000
COTA	3,481	3,493	3,518	3,737	3,675	3,677	3,709

EST 5+15.00
COTA TERRENO: 3,317
COTA PROJETO: 3,317



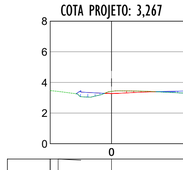
DIST.	-4.000	-3,176	0.000	5,192	10,414	13,000
COTA	3,494	3,509	3,749	3,262	3,597	3,617

EST 6+0.00
COTA TERRENO: 3,292
COTA PROJETO: 3,292



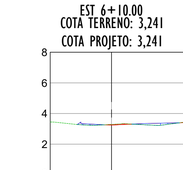
DIST.	-4.000	-3,335	0.000	4,843	8,159	13,000
COTA	3,335	3,416	3,432	3,235	3,235	3,936

EST 6+5.00
COTA TERRENO: 3,267
COTA PROJETO: 3,267



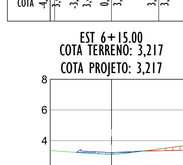
DIST.	-4.000	-3,486	0.000	5,388	13,000
COTA	3,467	3,414	3,415	3,271	4,228

EST 6+10.00
COTA TERRENO: 3,241
COTA PROJETO: 3,241



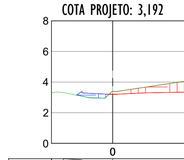
DIST.	-4.000	-3,716	0.000	3,086	13,000
COTA	3,447	3,438	3,285	3,216	4,499

EST 6+15.00
COTA TERRENO: 3,217
COTA PROJETO: 3,217



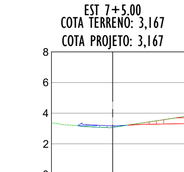
DIST.	-4.000	-3,570	0.000	3,027	13,000
COTA	3,342	3,317	3,106	3,436	4,776

EST 7+0.00
COTA TERRENO: 3,192
COTA PROJETO: 3,192



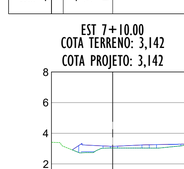
DIST.	-4.000	-3,224	0.000	13,000
COTA	3,314	3,322	3,399	5,306

EST 7+5.00
COTA TERRENO: 3,167
COTA PROJETO: 3,167



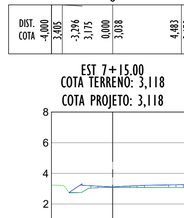
DIST.	-4.000	-3,232	0.000	13,000
COTA	3,261	3,247	3,071	5,031

EST 7+10.00
COTA TERRENO: 3,142
COTA PROJETO: 3,142



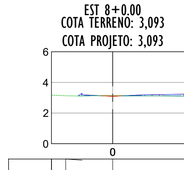
DIST.	-4.000	-3,296	0.000	4,483	13,000
COTA	3,405	3,175	3,038	3,178	4,514

EST 7+15.00
COTA TERRENO: 3,118
COTA PROJETO: 3,118



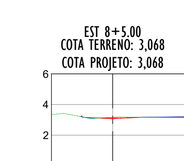
DIST.	-4.000	-3,184	0.000	6,123	9,962	13,000
COTA	3,233	3,204	3,085	3,061	3,650	4,138

EST 8+0.00
COTA TERRENO: 3,093
COTA PROJETO: 3,093



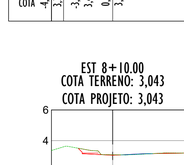
DIST.	-4.000	-3,070	0.000	8,594	12,460	13,000
COTA	3,167	3,130	3,130	3,092	3,343	3,662

EST 8+5.00
COTA TERRENO: 3,068
COTA PROJETO: 3,068



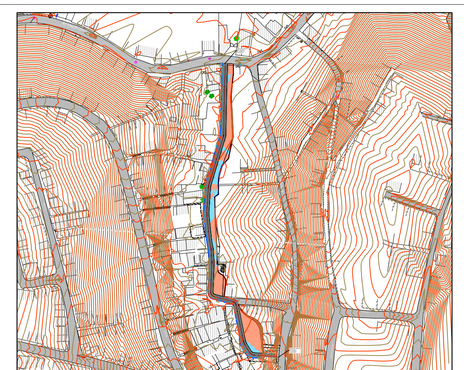
DIST.	-4.000	-3,208	0.000	11,207	13,000
COTA	3,335	3,419	3,162	3,175	3,320

EST 8+10.00
COTA TERRENO: 3,043
COTA PROJETO: 3,043



DIST.	-4.000	-3,009	0.000	2,862	13,000
COTA	3,354	3,639	3,076	3,184	3,162

MAPA CHAVE:



2 MAPA CHAVE
ESC.: 1:2500
N

NOTAS GERAIS:

1 - MEDIDAS E COTAS EM METROS, EXCETO ONDE INDICADO.
2 - INCLINAÇÃO DOS TALUDES DO PASSEIO: CORTE V=1:H=1, ATERRO V=1:H=1,5.
3 - INCLINAÇÃO DOS TALUDES DOS PLATÔS: CORTE V=1:H=1, ATERRO V=1:H=3,0.
4 - AS COTAS DE PROJETO APRESENTADAS REFEREM-SE AO GREIDE DE TERRAPLENAGEM.
5 - PROJEÇÃO: UTM, ZONA 24 SUL - MERIDIANO CENTRAL: 39° W
6 - OS TALUDES DEVERÃO SER REVESTIDOS COM GRAMÍNEA, POR MEIO DE PLANTIO MANUAL OU APLICAÇÃO DE HIDROSSEMEADURA, DEVENDO-SE ASSEGURAR O COMPLETO ENRAIZAMENTO E ESTABELECIMENTO DA COBERTURA VEGETAL.

LEGENDA:

REV.	DESCRIÇÃO	DATA	EXEC.	VERIF.	APROV.
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
01	REVISÃO - ATENDENDO COMENTÁRIOS	06/2025	IM	MG	SL
00	EMISSÃO INICIAL	06/2025	RA	MC	SL

CONTRATADA: viavoz projetos

RT: Sinval Ladeira
REG. CREA: 28.498/D
ASS: SINVAL LADEIRA:13797247672 Assinado de forma digital por SINVAL LADEIRA:13797247672 Dados: 2025.10.17 14:27:26 -03'00'

CONTRATANTE: PREFEITURA MUNICIPAL DE GUARAPARI

MUNICÍPIO/ÁREA: GUARAPARI

PROGRAMA: PROJETO DE INFRAESTRUTURA DO PORTAL CLUBE DE GUARAPARI

TÍTULO E CONTEÚDO:

PORTAL GUARAPARI

PROJETO DE TERRAPLENAGEM

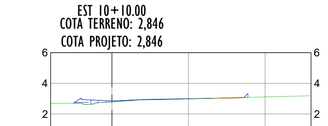
SEÇÕES TRANSVERSAIS

DATA:	ABRIL/2025	ESCALA:	INDICADA	FOLHA:	01/02
ARQUIVO:	TER-PE-GUA737-DCPC-042025-R00				

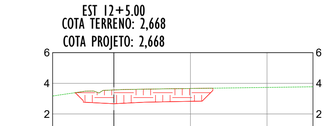
PÁGINA 1 / 3
CÓPIA SIMPLES - 21/08/2025 14:11 - Assinado por INST:02026497000103 AUTENTICAR:1E3DAC8A-1E3DAC8A-6CDPIA SIMPLES
Hash: 1b98ae0157a21d1732ba18d1d8f7b8fc2ec6d0d4ad23b0f7b4b5c2b. Documento assinado digitalmente em https://validar.iti.gov.br/ Para verificar as assinaturas acesse https://validar.iti.gov.br/

EST 8+15.00
COTA TERRENO: 3,018
COTA PROJETO: 3,018

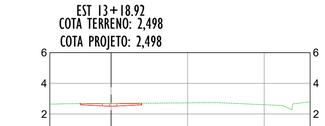
EST 10+10.00
COTA TERRENO: 2,846
COTA PROJETO: 2,846



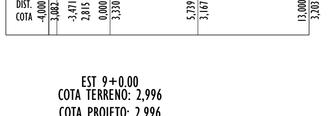
EST 12+5.00
COTA TERRENO: 2,668
COTA PROJETO: 2,668



EST 13+18.92
COTA TERRENO: 2,498
COTA PROJETO: 2,498

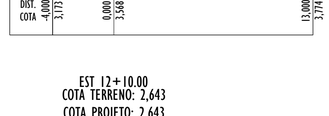


EST 9+0.00
COTA TERRENO: 2,996
COTA PROJETO: 2,996

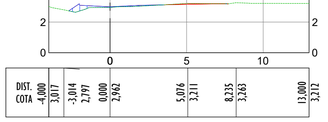


EST 10+15.00
COTA TERRENO: 2,821
COTA PROJETO: 2,821

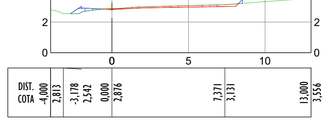
EST 12+10.00
COTA TERRENO: 2,643
COTA PROJETO: 2,643



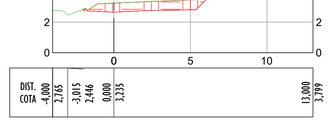
EST 9+5.00
COTA TERRENO: 2,971
COTA PROJETO: 2,971



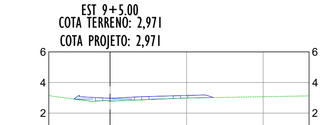
EST 11+0.00
COTA TERRENO: 2,794
COTA PROJETO: 2,794



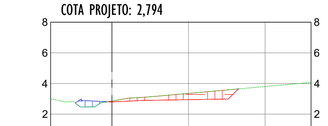
EST 12+15.00
COTA TERRENO: 2,618
COTA PROJETO: 2,618



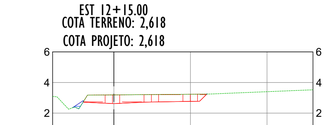
EST 9+10.00
COTA TERRENO: 2,946
COTA PROJETO: 2,946



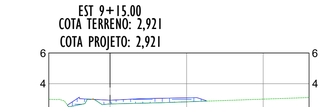
EST 11+5.00
COTA TERRENO: 2,768
COTA PROJETO: 2,768



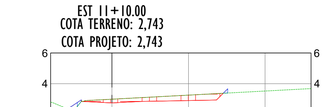
EST 13+0.00
COTA TERRENO: 2,593
COTA PROJETO: 2,593



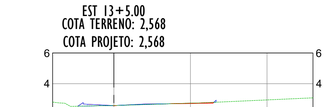
EST 9+15.00
COTA TERRENO: 2,921
COTA PROJETO: 2,921



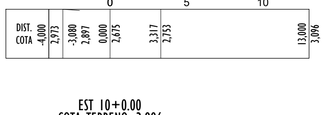
EST 11+10.00
COTA TERRENO: 2,743
COTA PROJETO: 2,743



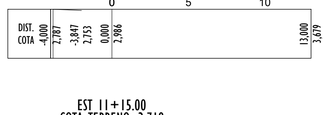
EST 13+5.00
COTA TERRENO: 2,568
COTA PROJETO: 2,568



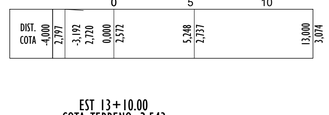
EST 10+0.00
COTA TERRENO: 2,896
COTA PROJETO: 2,896



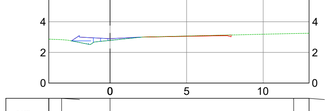
EST 11+15.00
COTA TERRENO: 2,718
COTA PROJETO: 2,718



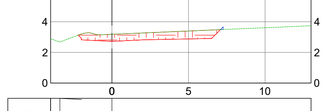
EST 13+10.00
COTA TERRENO: 2,543
COTA PROJETO: 2,543



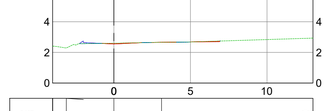
EST 10+5.00
COTA TERRENO: 2,871
COTA PROJETO: 2,871



EST 12+0.00
COTA TERRENO: 2,693
COTA PROJETO: 2,693



EST 13+15.00
COTA TERRENO: 2,518
COTA PROJETO: 2,518

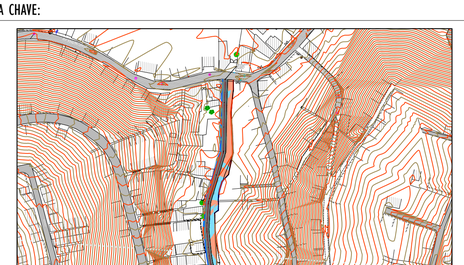


3 SEÇÃO TRANSVERSAL
H= 200
V= 1:100

TABELA DE VOLUME - EIXO_PROJETO

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+0,00	1,30	0,00	0.00	0,00	0,00	0,00	0,00
0+5,00	0,00	0,00	3.26	0,01	3,26	0,01	3,25
0+10,00	0,02	0,12	0.06	0,30	3,32	0,30	3,02
0+15,00	2,73	0,00	6.88	0,29	10,20	0,59	9,61
1+0,00	0,00	1,58	6.82	3,96	17,02	4,55	12,47
1+5,00	4,42	3,75	-9.94	11,90	7,08	16,46	-9,37
1+10,00	8,67	2,76	29.84	16,25	36,92	32,71	4,21
1+15,00	12,24	1,20	21.52	10,20	58,44	42,91	15,52
2+0,00	20,82	0,01	69.07	3,10	127,50	46,01	81,49
2+5,00	23,89	0,00	111.78	0,03	239,28	46,04	193,24
2+10,00	13,87	0,00	94.40	0,00	333,68	46,04	287,65
2+15,00	3,63	0,01	43.77	0,01	377,45	46,05	331,40
3+0,00	1,76	0,00	13.47	0,01	390,92	46,07	344,86
3+5,00	1,32	0,01	7.69	0,03	398,61	46,09	352,52
3+10,00	1,06	0,00	6.23	0,02	404,85	46,11	358,74
3+15,00	0,41	0,37	3.66	0,93	408,51	47,04	361,48
4+0,00	0,99	0,06	3.48	1,08	411,99	48,11	363,88
4+5,00	2,34	0,00	8.33	0,15	420,32	48,26	372,06
4+10,00	6,66	0,00	3.10	0,00	423,42	48,26	375,16
4+15,00	6,54	0,00	29.25	0,00	452,67	48,26	404,41
5+0,00	4,30	0,00	27.11	0,00	479,78	48,27	431,51
5+5,00	4,94	0,00	23.09	0,00	502,87	48,27	454,60
5+10,00	0,98	0,00	14.79	0,00	517,66	48,27	469,39
5+15,00	1,10	0,13	5.30	0,36	522,96	48,63	474,33
6+0,00	0,19	0,16	3.23	0,75	526,19	49,38	476,81
6+5,00	0,32	0,59	1.28	1,89	527,47	51,27	476,20
6+10,00	0,12	0,36	1.13	2,42	528,61	53,69	474,91
6+15,00	0,87	0,41	2.33	1,91	530,94	55,61	475,33
7+0,00	3,36	0,50	10.58	2,25	541,52	57,86	483,65
7+5,00	1,91	0,34	13.17	2,09	554,69	59,95	494,74
7+10,00	0,22	1,66	5.33	5,01	560,01	64,96	495,06
7+15,00	0,00	1,69	0.48	8,12	560,49	73,07	487,42
8+0,00	0,03	0,69	0.07	5,79	560,56	78,86	481,70
8+5,00	0,14	0,20	0.42	2,22	560,98	81,08	479,90
8+10,00	0,38	0,15	1.30	0,87	562,28	81,95	480,32
8+15,00	1,08	0,00	3.64	0,39	565,91	82,34	483,57
9+0,00	0,11	0,59	2.87	1,56	568,78	83,90	484,87
9+5,00	0,00	1,68	0.27	5,69	569,05	89,59	479,46
9+10,00	0,15	1,63	0.39	8,27	569,44	97,86	471,57
9+15,00	0,00	2,29	0.39	9,78	569,83	107,65	462,18
10+0,00	0,11	0,81	0.29	7,73	570,12	115,38	454,74
10+5,00	0,35	0,90	1.17	4,27	571,28	119,65	451,64
10+10,00	0,02	0,65	0.94	3,88	572,22	123,53	448,69
10+15,00	0,76	0,37	1.94	2,56	574,16	126,09	448,08
11+0,00	2,74	0,58	10.27	2,27	584,43	128,35	456,08
11+5,00	2,32	0,31	13.72	2,17	598,15	130,52	467,64
11+10,00	2,47	0,25	11.97	1,40	610,13	131,92	478,21
11+15,00	4,22	0,02	16.73	0,66	626,86	132,58	494,28
12+0,00	5,36	0,03	23.95	0,12	650,81	132,70	518,11
12+5,00	7,00	0,00	30.88	0,08	681,69	132,77	548,92
12+10,00	4,27	0,00	28.17	0,00	709,86	132,77	577,09
12+15,00	3,84	0,12	20.29	0,30	730,15	133,07	597,08
13+0,00	3,61	0,00	18.47	0,30	748,62	133,37	615,25
13+5,00	0,07	0,24	9.19	0,60	757,81	133,96	623,85
13+10,00	0,11	0,07	0.44	0,77	758,25	134,74	623,51
13+15,00	0,72	0,37	2.07	1,09	760,32	135,83	624,49
13+18,92	0,54	0,00	2.48	0,72	762,80	136,55	626,25

MAPA CHAVE:



4 MAPA CHAVE
ESC.: 1:2500
N

NOTAS GERAIS:

1 - MEDIDAS E COTAS EM METROS, EXCETO ONDE INDICADO.
2 - INCLINAÇÃO DOS TALUDES DO PASSEIO: CORTE V=1:H=1, ATERRO V=1:H=1,5.
3 - INCLINAÇÃO DOS TALUDES DOS PLATÔS: CORTE V=1:H=1, ATERRO V=1:H=3,0.
4 - AS COTAS DE PROJETO APRESENTADAS REFEREM-SE AO GREIDE DE TERRAPLENAGEM.
5 - PROJEÇÃO: UTM, ZONA 24 SUL - MERIDIANO CENTRAL: 39° W
6 - OS TALUDES DEVERÃO SER REVESTIDOS COM GRAMÍNEA, POR MEIO DE PLANTIO MANUAL OU APLICAÇÃO DE HIDROSSEMEADURA, DEVENDO-SE ASSEGURAR O COMPLETO ENRAIZAMENTO E ESTABELECIMENTO DA COBERTURA VEGETAL.

LEGENDA:

REV.	DESCRIÇÃO	DATA	EXEC.	VERIF.	APROV.
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
01	REVISÃO - ATENDENDO COMENTÁRIOS	06/2025	IM	MG	SL
00	EMISSÃO INICIAL	06/2025	RA	MC	SL

CONTRATADA: viavoz projetos

RT: Sinval Ladeira
REG. CREA: 28.498/D
ASS.: SINVAL LADEIRA:13797247672
Assinado de forma digital por SINVAL LADEIRA:13797247672 Dados: 2025.10.17 14:26:55 -03'00'

CONTRATANTE: PREFEITURA MUNICIPAL DE GUARAPARI

MUNICÍPIO/ÁREA: GUARAPARI

PROGRAMA: PROJETO DE INFRAESTRUTURA DO PORTAL CLUBE DE GUARAPARI

TÍTULO E CONTEÚDO: PORTAL GUARAPARI

PROJETO DE TERRAPLENAGEM

SEÇÕES TRANSVERSAIS

DATA:	ESCALA:	FOLHA:
ABRIL/2025	INDICADA	02/02
ARQUIVO: TER-PE-GUA737-DCPC-042025-R00		

ASSINADO DIGITALMENTE - 21/08/2025 14:11 PÁGINA 2 / 3
HASH: 9bf0aa4d137a2a1737a1e8a1d3f5d97f2d8fc3ee5e0d5dad2b6d7b9c5f2c2bc7b, Documento assinado digitalmente, validar em https://saodoc.es.gov.br/bwfwebservice/validarAssinatura.aspx?hash=9bf0aa4d137a2a1737a1e8a1d3f5d97f2d8fc3ee5e0d5dad2b6d7b9c5f2c2bc7b&tipoHash=1 Assinado por: INSTITUTO DE DESENVOLVIMENTO SUSTENTAVEL E MEIO AMBIENTE DO ESPIRITO SANTO:04070000000 (VIC) Assinado por: INSTITUTO DE DESENVOLVIMENTO SUSTENTAVEL E MEIO AMBIENTE DO ESPIRITO SANTO:04070000000 (VIC)

INFORMAÇÕES DO DOCUMENTO
Documento capturado em 21/08/2026 14:11:51 (HORÁRIO DE BRASÍLIA - UTC-3)
por BRUNELLA FOLETTO COSTA AMBLARD (GERENTE QCE-03 - GEPRO - SEDURB - GOVES)
Valor Legal: CÓPIA SIMPLES | Natureza: DOCUMENTO NATO-DIGITAL

A disponibilidade do documento pode ser conferida pelo link: https://e-docs.es.gov.br/d/2026-G9HWH1

HASH: 9b96aae415742e1e173f2a1e8a1c85a8575d86c3ee5a5864dd236d67fc8c923b. Documento assinado digitalmente, valide em https://siades.es.gov.br/flowbee-pub/#/validar/E5N9-AUGJ-AFXJ-VHZJ. Assinado por: INSTITUTO DE TECNOLOGIA DA INFORMACAO E COMUNICAC em 21/08/2026.

2026-G9HWH1 - E-DOCS - CÓPIA SIMPLES 21/08/2026 14:11 PÁGINA 3 / 3