

0.038	156,637	156,588	27
0.016	160,145	160,128	28
0.014	160,644	160,630	29
0.012	161,271	161,259	30
0.046	161,462	161,416	31
0.048	161,625	161,577	32
0.027	161,760	161,733	33
0.010	161,890	161,840	34
0.000	162,117	162,117	34



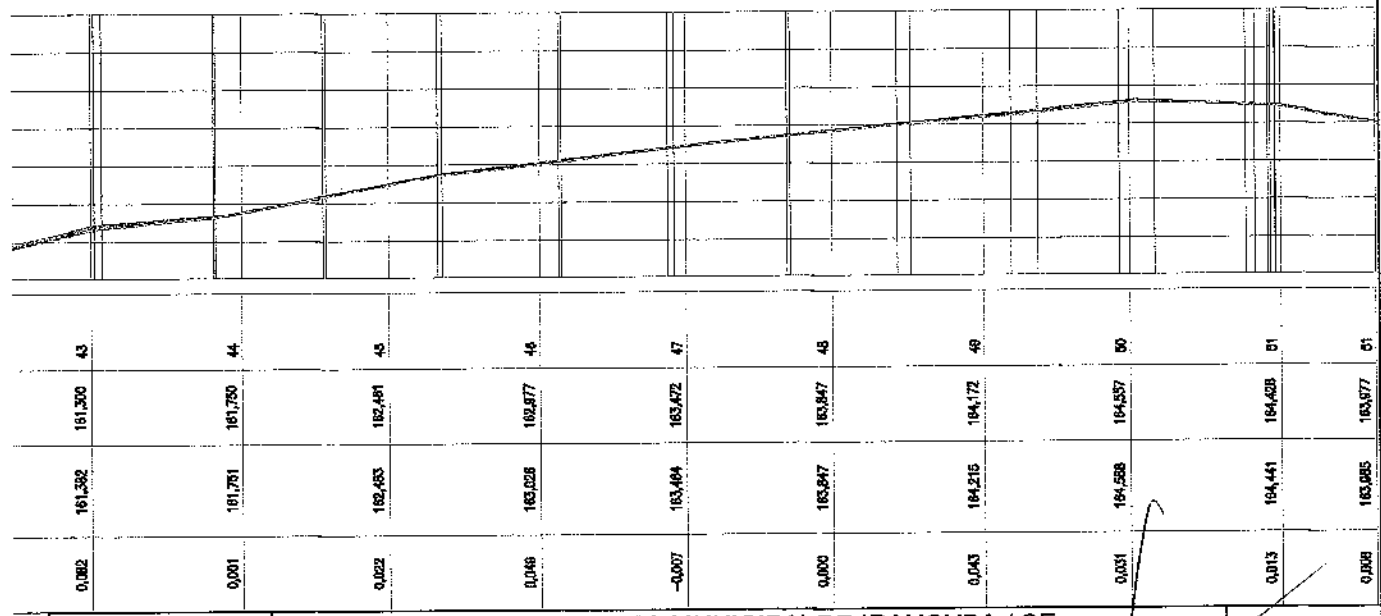
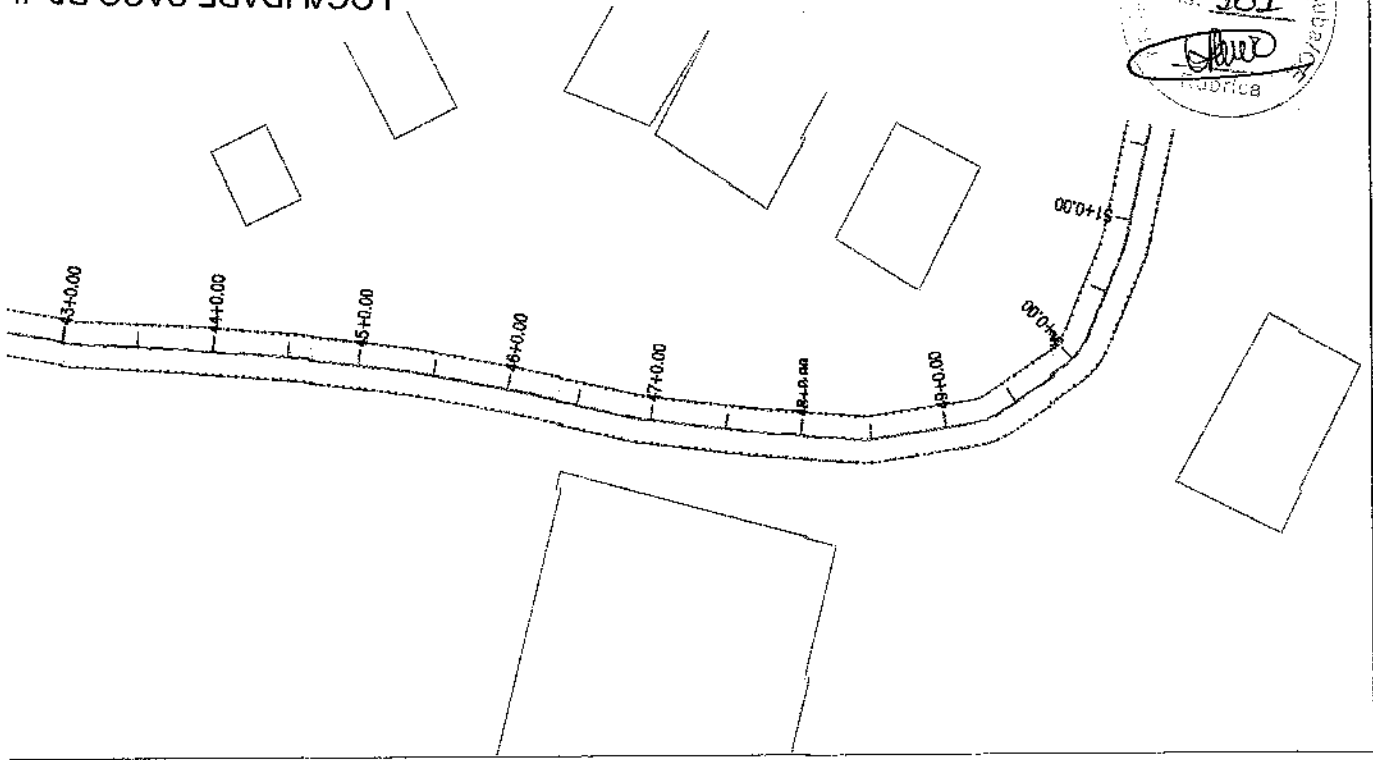
PREFEITURA MUNICIPAL DE IRAUÇUBA / CE
RECUPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA ACE 173 NO DISTRITO DE JIJÁ, IRAUÇUBA, CE
A COMUNIDADE DE ARACANÁ/IRAUÇUBA, CE
TRECHO 02: COMUNIDADE DE MARACANÁ.
ESTAQUEAMENTO E PERFIL LONGITUDINAL

PROJETISTA: CLAUDIO JOSÉ QUEIROZ BARROS - ENG.º CIVIL - CREA 13.419/D/CE.
 ARQUIVO: 3 - PROJETO GEOMÉTRICO_ TRECHO 02_R1.DWG

PRANCHA:
2 / 11
 ESCALA:
1/1000



LOCALIDADE SACO DO JL



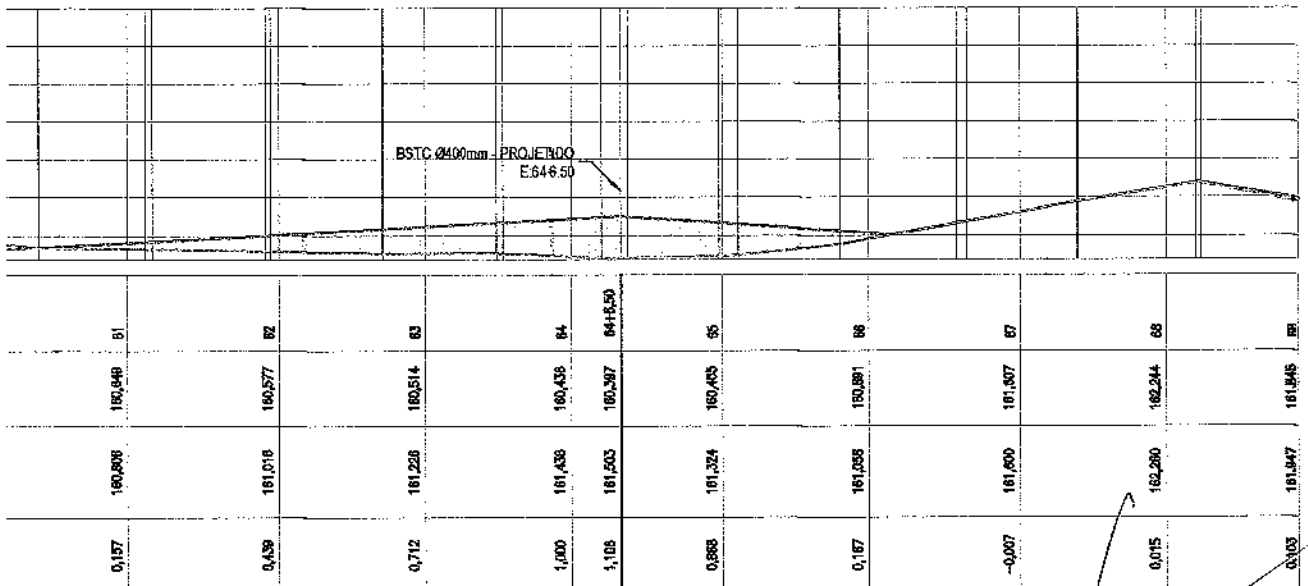
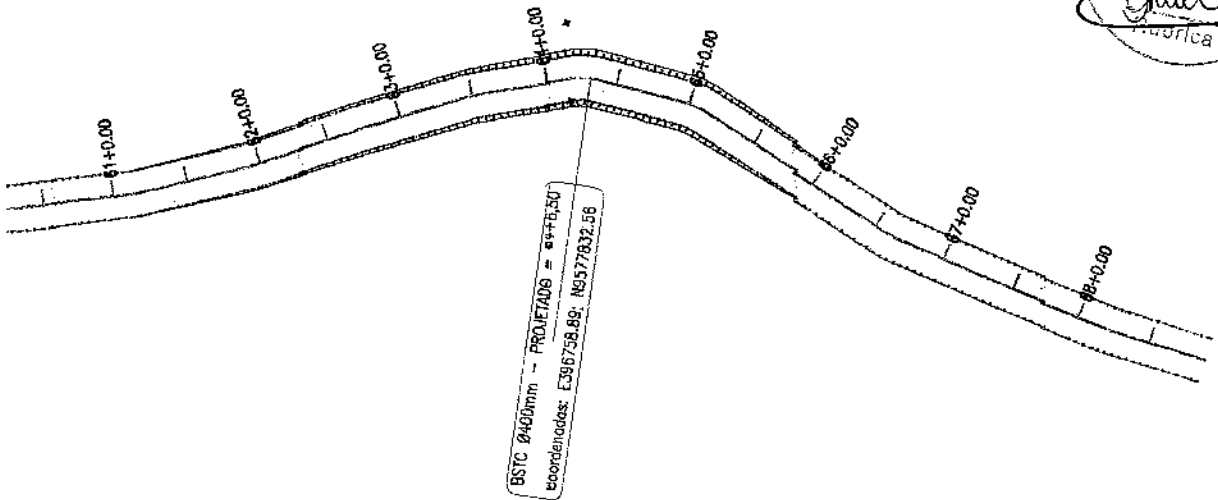
0,002	161,300	43
0,001	161,750	44
0,002	162,481	45
0,046	162,977	46
-0,007	163,472	47
0,000	163,947	48
0,043	164,172	49
0,031	164,537	50
0,013	164,441	51
0,008	163,977	51



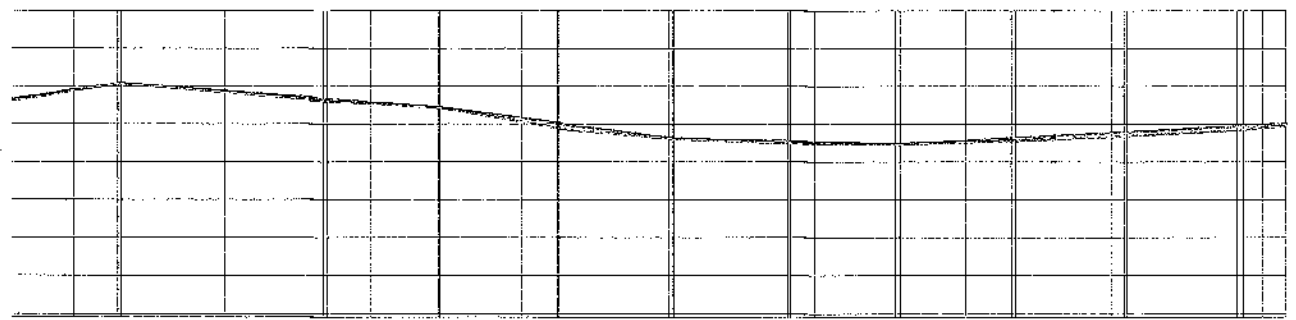
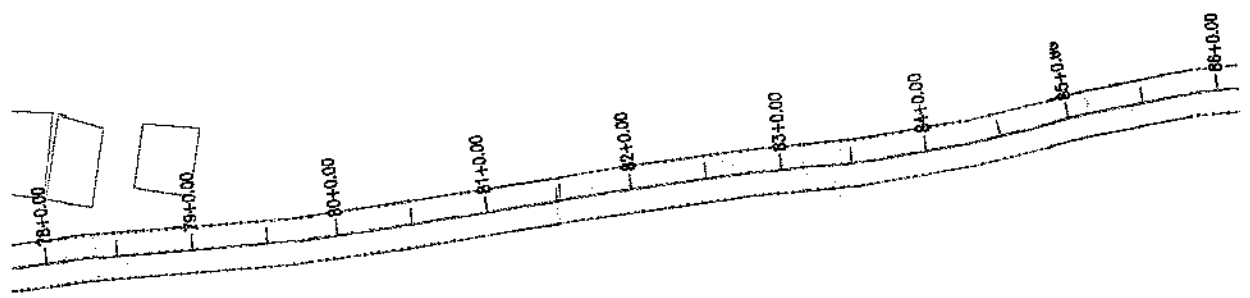
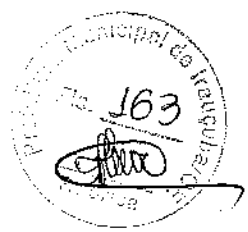
PREFEITURA MUNICIPAL DE IRAUÇUBA / CE
RECUPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA ACE 173 NO DISTRITO DE JIJÁ/ IRAUÇUBA-CE
A COMUNIDADE DE ARACANÁ/IRAUÇUBACE
TRECHO 02: COMUNIDADE DE MARACANÁ.
ESTAQUEAMENTO E PERFIL LONGITUDINAL

PROJETISTA: CLAUDIO JOSÉ QUEIROZ BARROS - ENG° CIVIL - CREA 13.419/D/CE.
 ARQUIVO: 3 - PROJETO GEOMÉTRICO_ TRECHO 02_ R1.DWG

PRANCHA:
3 / 11
 ESCALA:
1/1000



PREFEITURA MUNICIPAL DE IRAUÇUBA / CE RECUPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA ACE 173 NO DISTRITO DE JIJÁ, IRAUÇUBA - CE A COMUNIDADE DE ARACANÃ, IRAUÇUBA - CE TRONCO 02: COMUNIDADE DE MARACANÃ ESTAQUEAMENTO E PERFIL LONGITUDINAL		PRANCHA: 4 / 11 ESCALA: 1/1000
PROJETISTA:	CLAUDIO JOSÉ OLEIROZ BARROS - ENG° CIVIL - CREA 13.419/D/CE.	
ARQUIVO:	3 - PROJETO GEOMETRICO_TRONCO 02_R1.DWG	



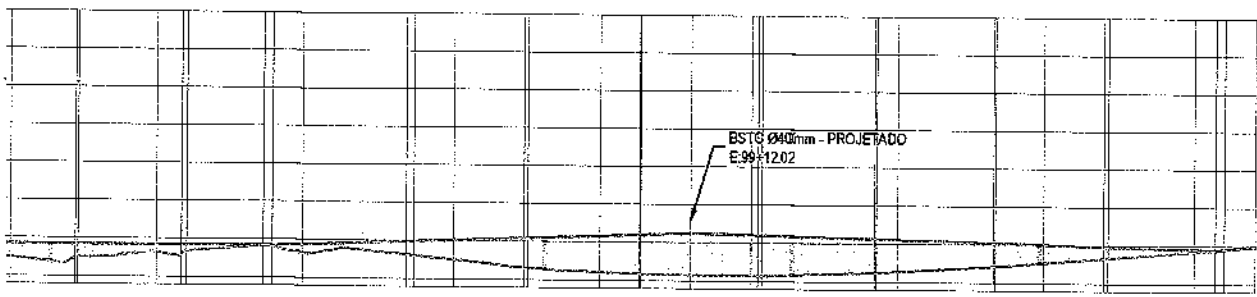
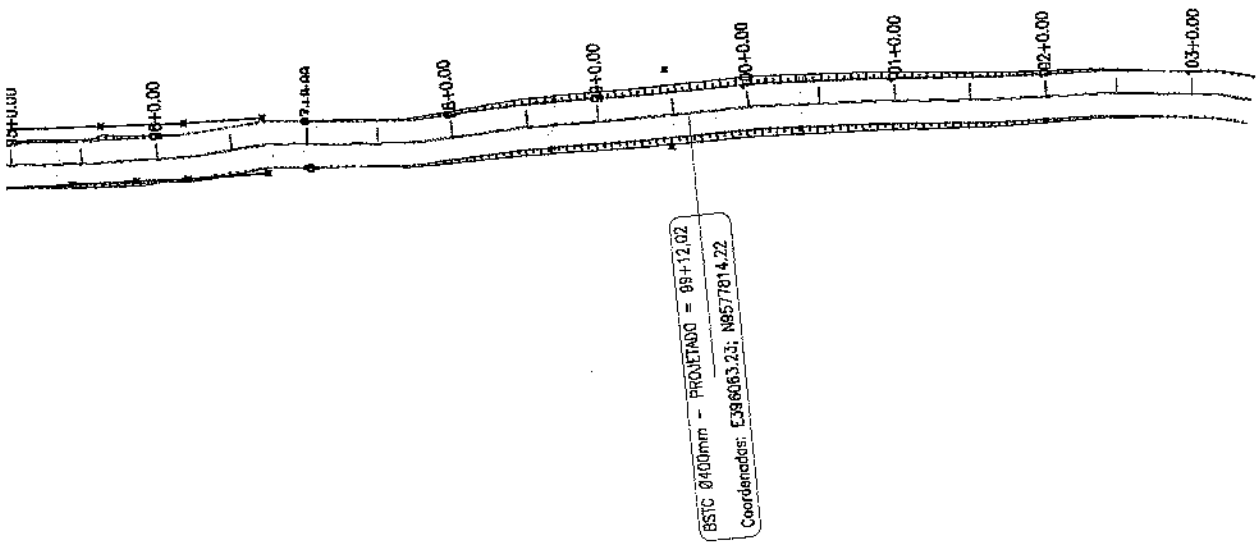
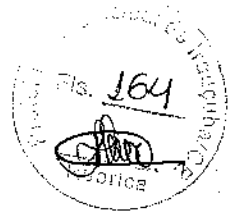
ESTACÃO	ALTIMETRIA	ALTIMETRIA	ALTIMETRIA
78	185,584	185,534	185,584
79	0,035	185,598	185,598
80	0,060	185,145	185,045
81	0,095	184,623	184,617
82	0,022	184,117	184,022
83	0,042	184,554	184,512
84	0,085	184,761	184,685
85	0,073	184,867	184,884
86	0,055	184,935	184,944



PREFEITURA MUNICIPAL DE IRAUÇUBA / CE
RECUPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA ACE 173 NO DISTRITO DE JIÁ/ IRAUÇUBA-CE
A COMUNIDADE DE ARACANÁ/IRAUÇUBA-CE
TRECHO 02: COMUNIDADE DE MARACANÁ.
ESTAQUEAMENTO E PERFIL LONGITUDINAL

PROJETISTA: CLAUDIO JOSÉ QUEIROZ BARROS - ENGº CIVIL - CREA 13.419/D/CE.
 ARQUIVO: 3 - PROJETO GEOMÉTRICO_ TRECHO 02_R1.DWG

PRANCHA:
5 / 11
 ESCALA:
1/1000



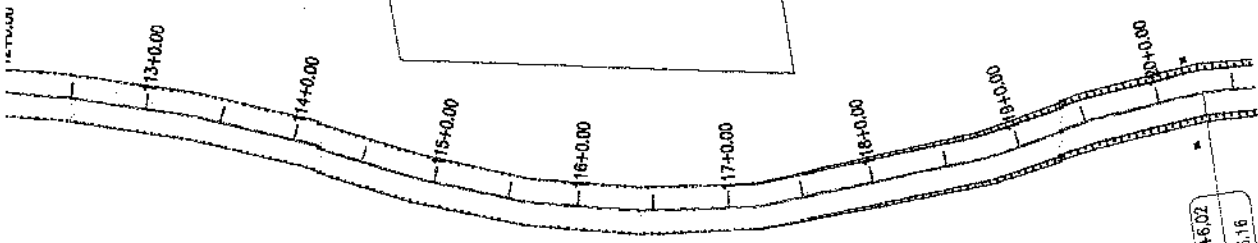
0,214	183,843	183,828	96
0,254	183,578	183,645	97
0,334	184,021	183,867	98
0,367	184,183	183,208	98
1,100	184,246	183,149	99+12,02
1,078	184,209	183,131	100
0,841	184,108	183,285	101
0,477	184,083	183,527	102
0,058	183,881	183,843	103
0,005	183,982	183,886	103



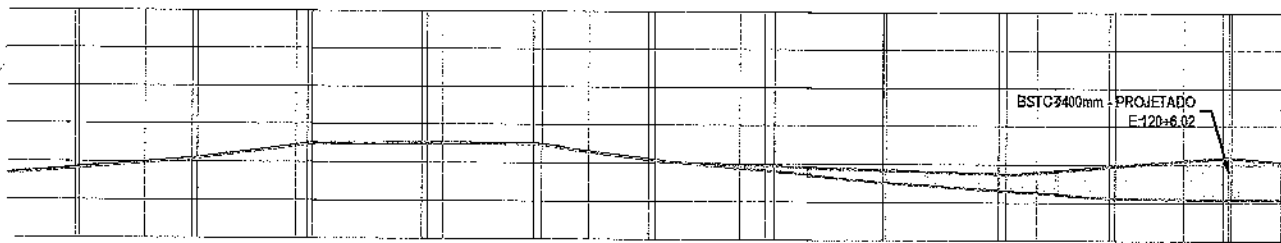
PREFEITURA MUNICIPAL DE IRAUÇUBA / CE
RECUPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA ACE 173 NO DISTRITO DE JUAÍRA, IRAUÇUBA-CE
A COMUNIDADE DE ARACANÁ, IRAUÇUBA-CE
TRECHO 02: COMUNIDADE DE MARACANÁ.
ESTAQUEAMENTO E PERFIL LONGITUDINAL

PROJETISTA: CLAUDIO JOSÉ QUEIROZ BARROS - ENG.º CIVIL - CREA 13.419D/CE.
 ARQUIVO: 3 - PROJETO GEOMÉTRICO_TRECHO 02_R1.DWG

PRANCHA:
6 / 11
 ESCALA:
1/1000



BSTC Ø400mm - PROJETO = 120+6.02
 Coordenadas: E395672.33; N9577923.16



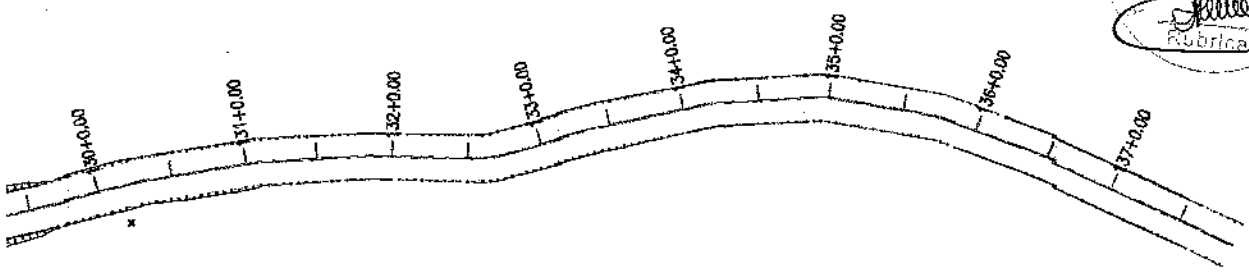
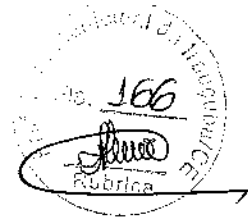
0.014	165.975	165.801	113
0.009	166.423	166.414	114
-0.040	166.494	166.524	115
0.012	166.296	166.294	116
0.086	165.652	165.664	117
0.332	165.826	165.487	118
0.546	165.782	165.235	119
0.987	166.084	165.086	120
1.100	166.174	165.074	120+6.02
0.976	166.051	165.075	120



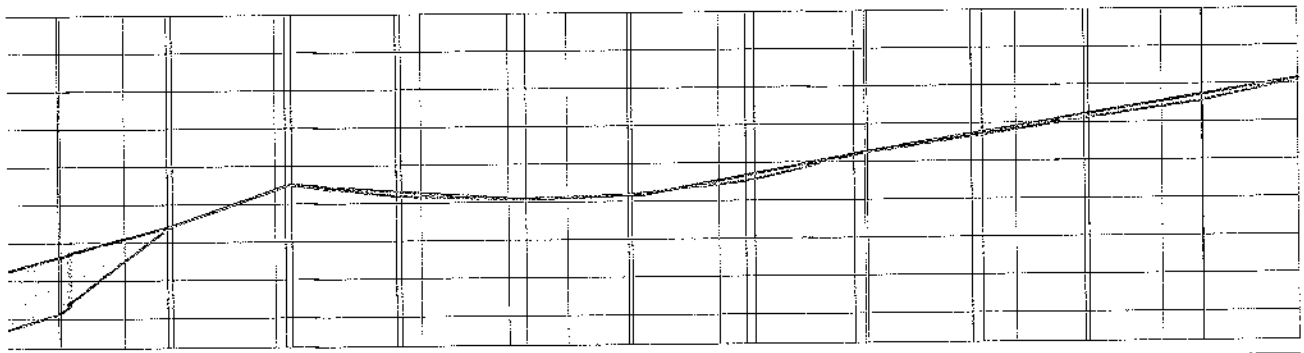
PREFEITURA MUNICIPAL DE IRAUÇUBA / CE
 RECUPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA ACE 173 NO DISTRITO DE JUIÁ/ IRAUÇUBA CE
 A COMUNIDADE DE ARACANÁ/IRAUCUBACE
 TRECHO 02: COMUNIDADE DE MARACANÃ.
ESTAQUEAMENTO E PERFIL LONGITUDINAL

PROJETISTA: CLAUDIO JOSE QUEIROZ BARROS - ENG° CIVIL - CREA 13.419D/CE.
 ARQUIVO: 3 - PROJETO GEODÉTRICO_TRECHO 02_R1.DWG

PRANCHA:
7 / 11
 ESCALA:
1/1000



Coordenadas: E3965000



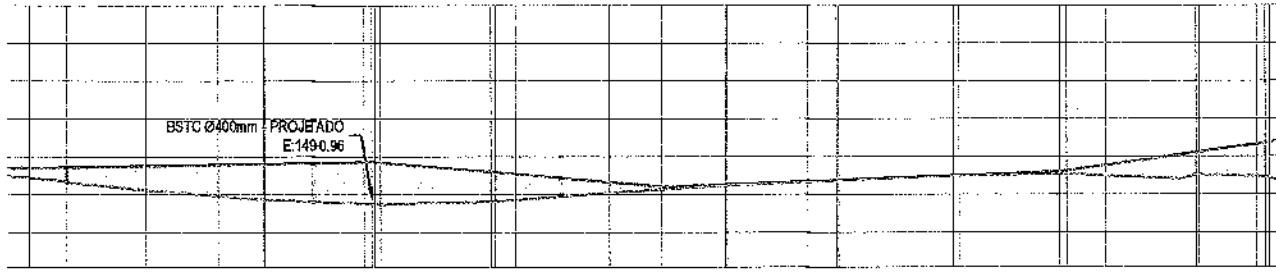
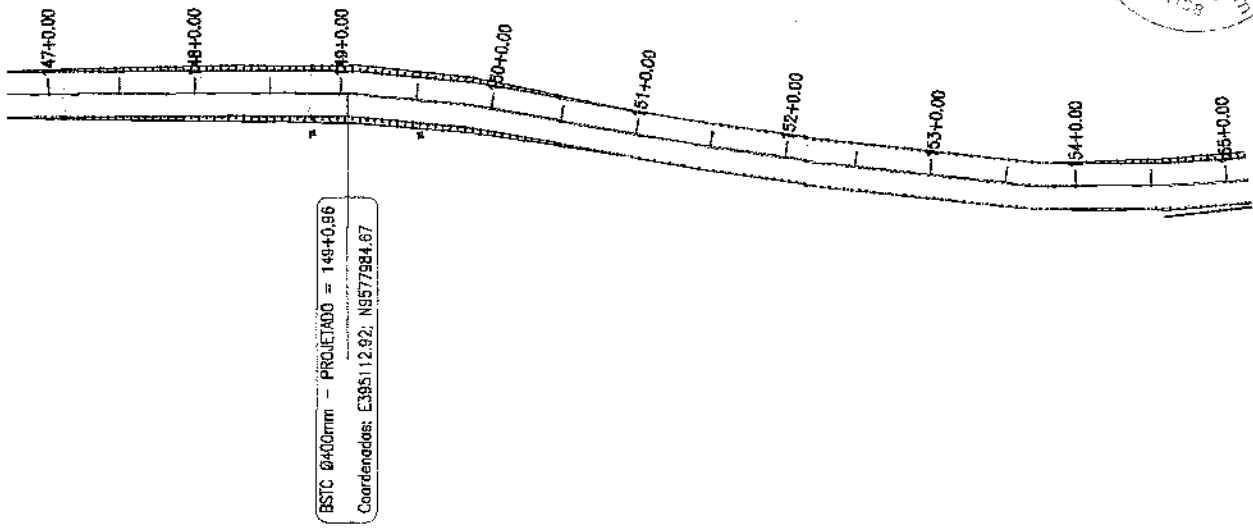
0,991	184,053	183,502	130
0,004	185,375	185,371	131
0,008	185,255	185,159	132
-0,013	185,119	185,126	133
0,087	185,352	185,409	134
0,028	186,280	186,234	135
0,087	185,983	186,016	136
0,141	187,544	187,492	137
0,038	186,120	186,084	137



PREFEITURA MUNICIPAL DE IRAUÇUBA / CE
RECUPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA ACE 173 NO DISTRITO DE JIÁ/ IRAUÇUBA - CE
A COMUNIDADE DE ARACANÁ/IRAUÇUBA - CE
TRECHO 02: COMUNIDADE DE MARACANÁ
ESTAQUEAMENTO E PERFIL LONGITUDINAL

PRJÉTISTA: CLAUDIO JOSÉ QLEIROZ BARROS - ENG° CIVIL - CREA 13.419D/CE
 ARQUIVO: 3 - PROJETO GEOMETRICO_ TRECHO 02_R1.DWG

PRANCHA:
8 / 11
 ESCALA:
1/1000



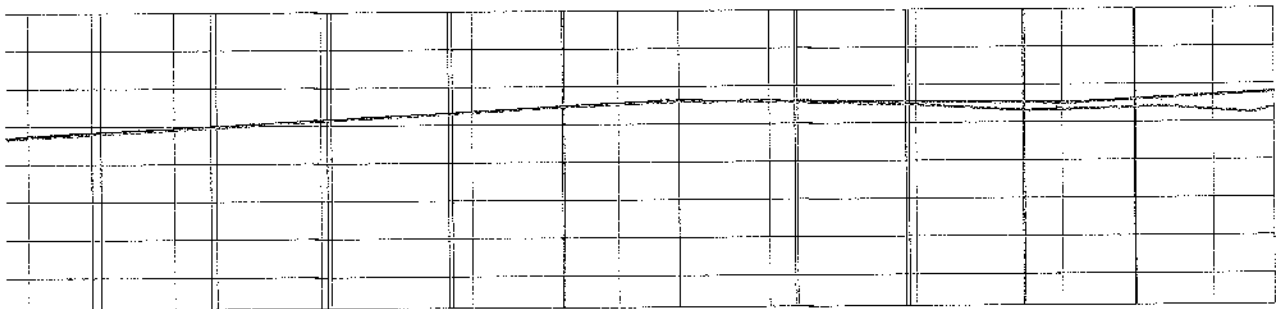
0.389	170.290	170.317	147
0.817	170.772	169.995	148
1.080	170.659	169.749	149-0.98
0.698	170.532	169.643	150
0.083	170.207	170.125	151
0.016	170.342	170.226	152
0.001	170.480	170.489	153
0.287	170.760	170.483	154
0.852	171.320	170.488	155
1.095	171.404	170.348	156



PREFEITURA MUNICIPAL DE IRAUÇUBA / CE
RECUPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA ACE 173 NO DISTRITO DE JIJÁ, IRAUÇUBA - CE
A COMUNIDADE DE ARACANÃ/IRAUÇUBACE
TRECHO 02: COMUNIDADE DE MARACANÃ.
ESTAQUEAMENTO E PERFIL LONGITUDINAL

PROJETISTA: CLAUDIO JOSÉ QUEIROZ BARROS - ENG.º CIVIL - CREA 13.419/DCE.
 ARQUIVO: 3 - PROJETO GEOMÉTRICO_ TRECHO 02_ R1.DWG

PRANCHA:
9 / 11
 ESCALA:
1/1000



0,038	174,723	174,894	164
0,023	174,903	174,903	165
0,004	175,125	175,125	166
0,018	175,333	175,315	167
0,014	175,539	175,505	168
0,017	175,599	175,599	169
0,079	175,545	175,499	170
0,165	175,504	175,599	171
0,378	175,700	175,321	172
0,394	175,783	175,299	173



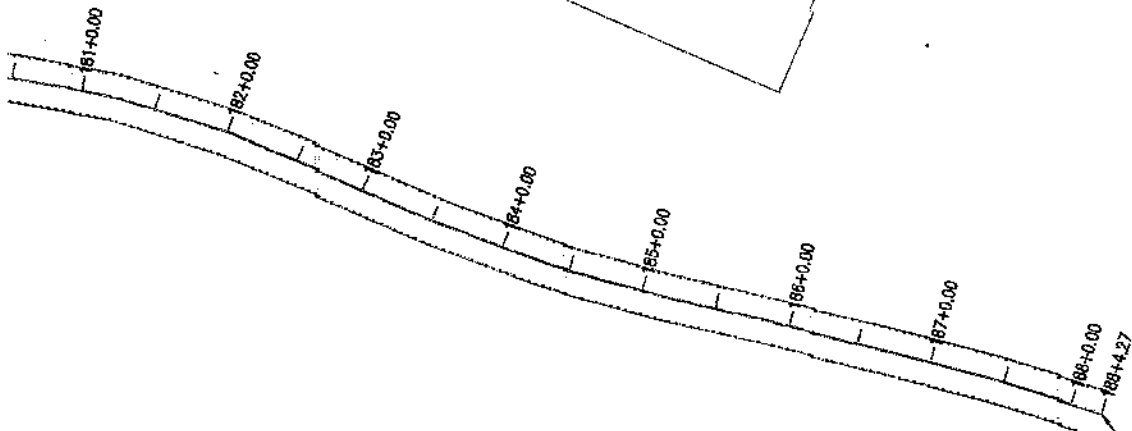
PREFEITURA MUNICIPAL DE IRAUÇUBA / CE
RECUPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA ACE 173 NO DISTRITO DE JUIÁ/ IRAUÇUBA-CE
A COMUNIDADE DE ARACANÁ/IRAUÇUBACE
TRECHO 02: COMUNIDADE DE MARACANÁ.

ESTAQUEAMENTO E PERFIL LONGITUDINAL

PROJETISTA: CLAUDIO JOSÉ QUEIROZ BARROS - ENG.º CIVIL - CREA 13.419D/CE
 ARQUIVO: 3 - PROJETO GEOMÉTRICO_ TRECHO 02_R1.DWG

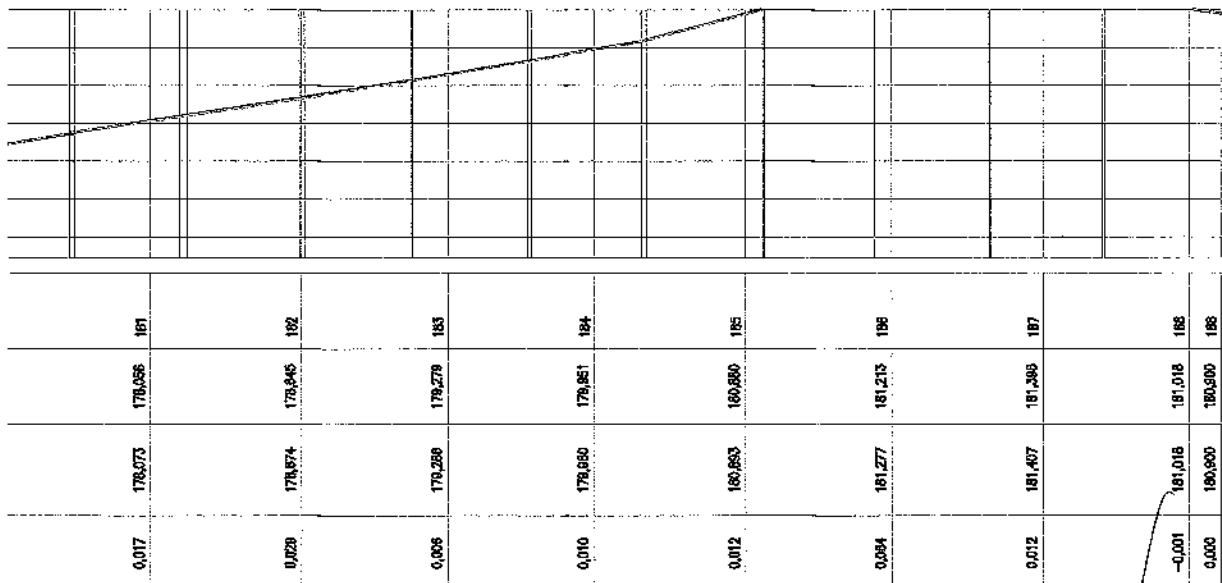
BRANCHA:
10 / 11

ESCALA:
1/1000



FIM DO TRECHO:
 Coordenadas
 E: 394356.239
 N: 9577982.545

LOCALIDADE MARACANÁ



PREFEITURA MUNICIPAL DE IRAUÇUBA / CE
RECUPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA ACE 173 NO DISTRITO DE JIJÁ/ IRAUÇUBA-CE
A COMUNIDADE DE ARACANÁ/IRAUÇUBA-CE
TRECHO 02: COMUNIDADE DE MARACANÁ.
ESTAQUEAMENTO E PERFIL LONGITUDINAL

PROJETA: CLAUDIO JOSÉ QUEIROZ BARROS - ENGº CIVIL - CREA 13.419/D/CE.
 ARQUIVO: 3 - PROJETO GEOMÉTRICO_ TRECHO 02_R1.DWG

PRANCHA:
11 / 11
 ESCALA:
1/1000

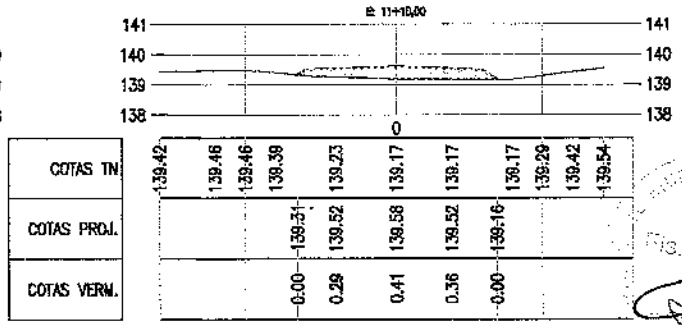
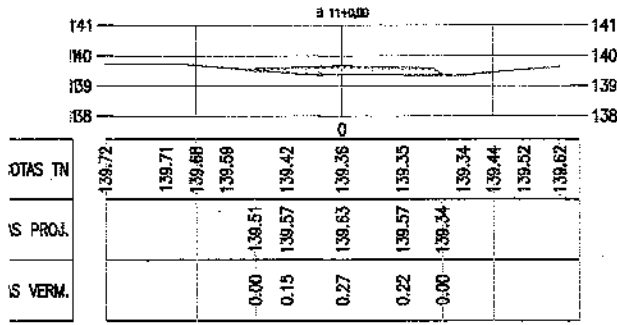
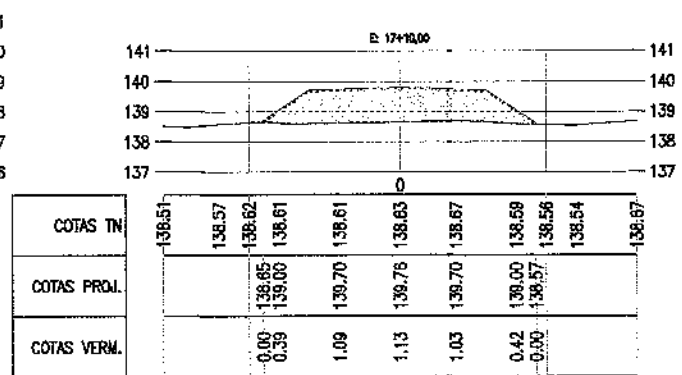
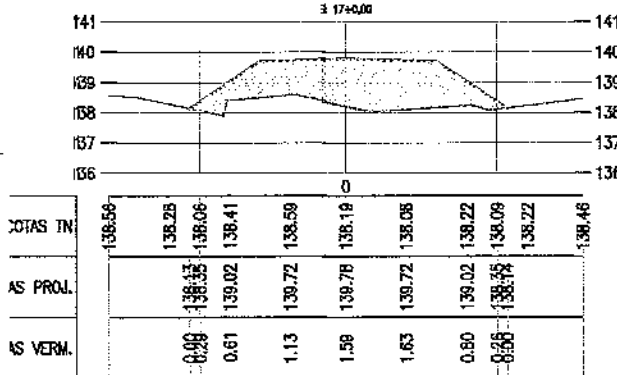
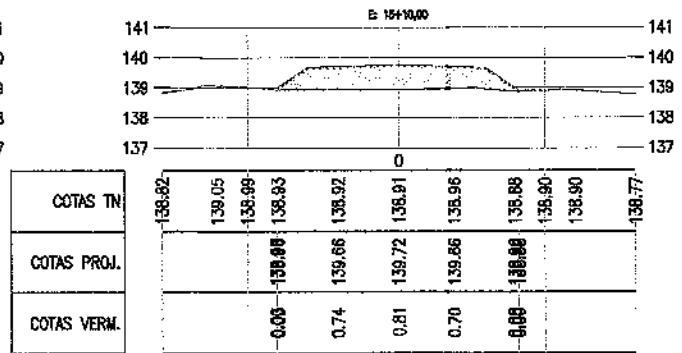
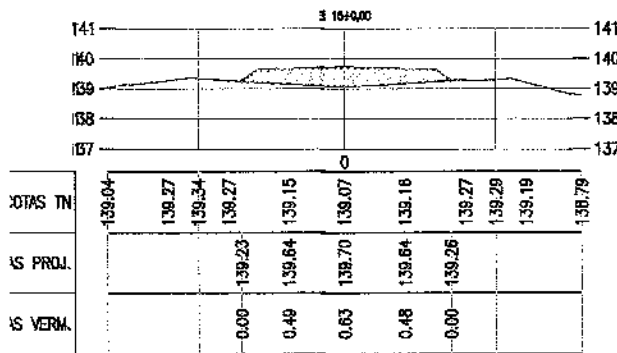
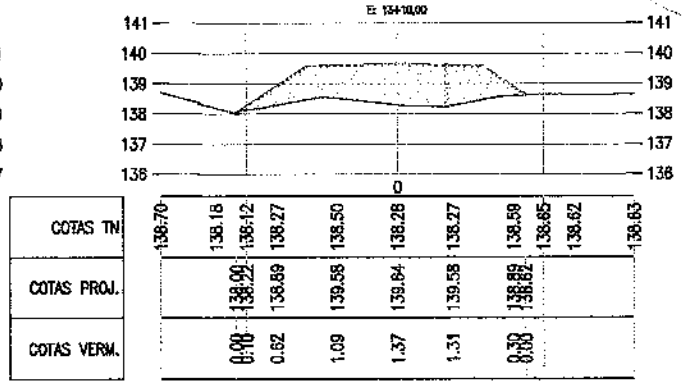
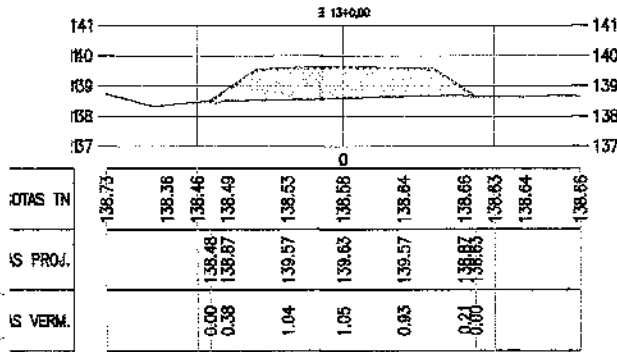


Fig. 170



PREFEITURA MUNICIPAL DE IRAUÇUBA / CE.

RECIPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA ACE 173 NO DISTRITO DE JUIÁ, IRAUÇUBA-CE
 A COMUNIDADE DE MARACANÁ, IRAUÇUBA-CE

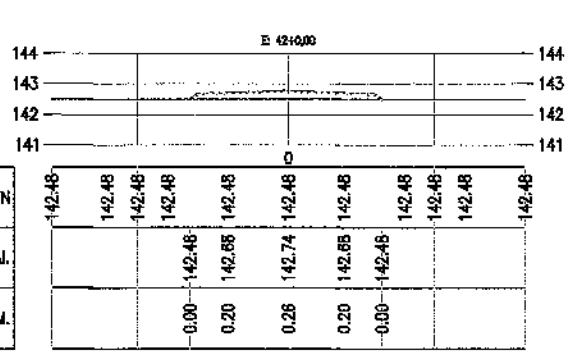
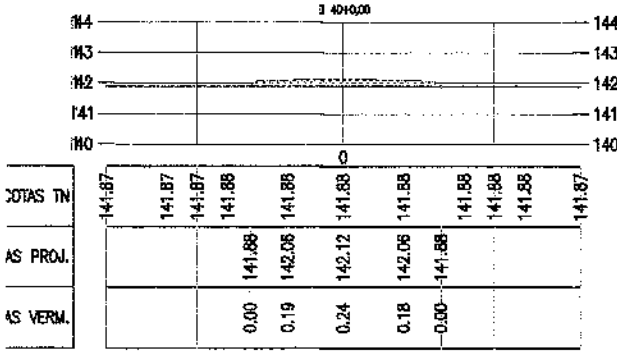
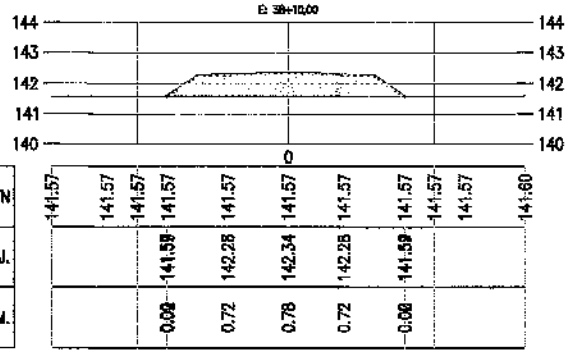
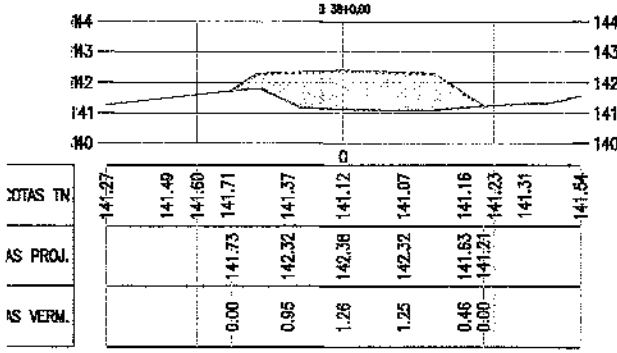
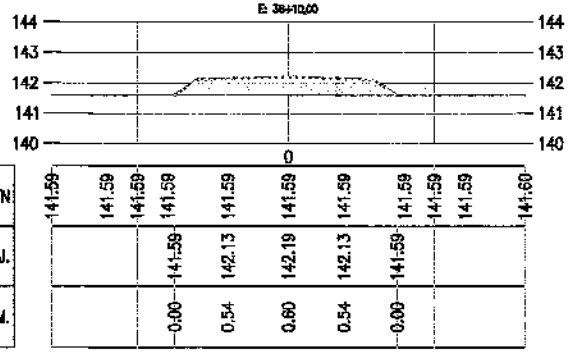
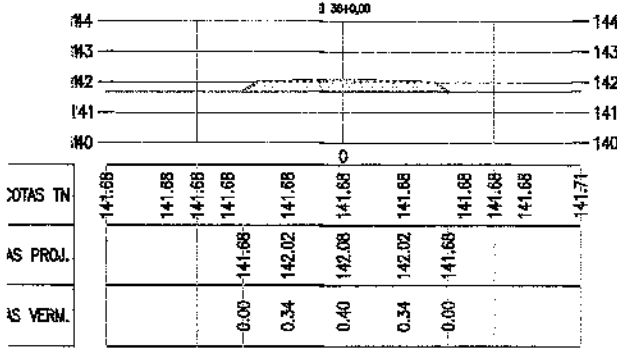
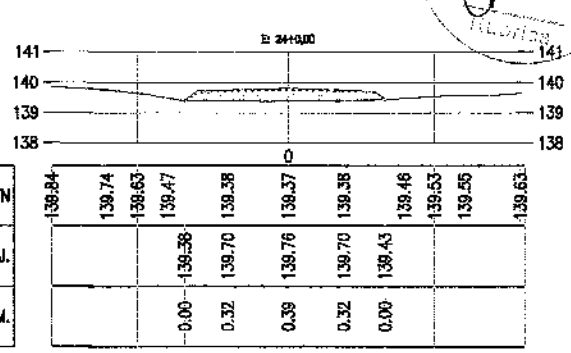
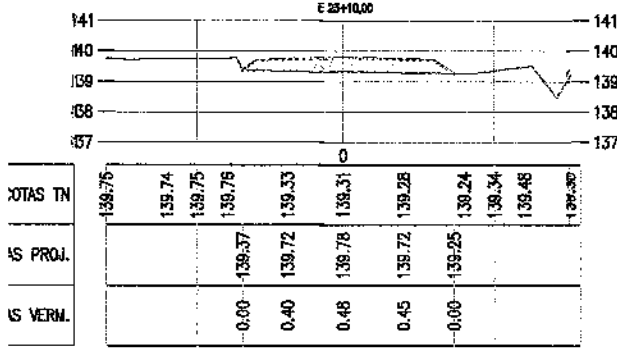
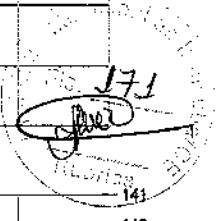
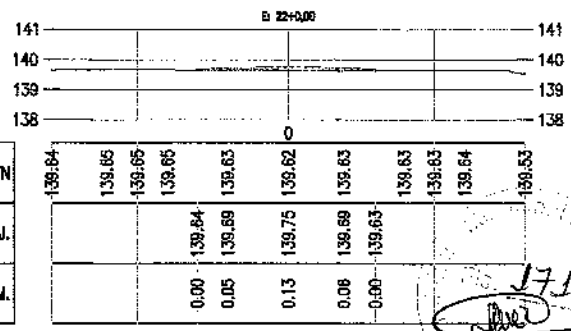
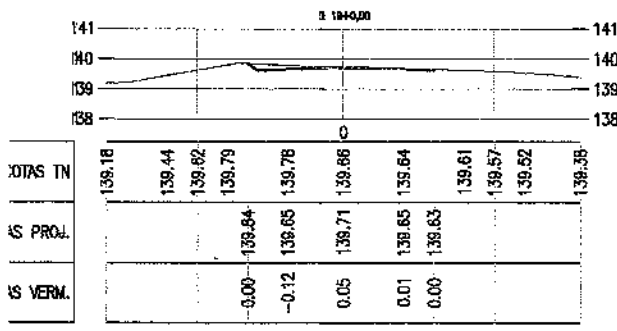
SEÇÕES TRANSVERSAIS

PROJETISTA: CLAUDIO JOSÉ QUEIROZ BARROS - ENG. CIVIL - CREA 13.419/DICE.

ARQUIVO: 4 - PROJETO TERRAPLANAGEM_TRECHO 01_PARTE 01_R1.DWG

PRANCHA:
1 / 30

ESCALA:
1/250



PREFEITURA MUNICIPAL DE IRAUÇUBA / CE.

RECUPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA ACE 173 NO DISTRITO DE JUAÍRA, IRAUÇUBA-CE
A COMUNIDADE DE MARACANÁ, IRAUÇUBA-CE

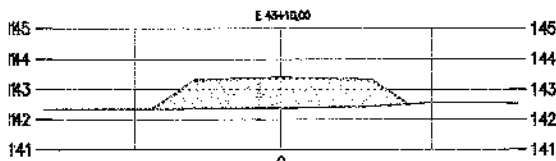
SEÇÕES TRANSVERSAIS

PROJETISTA: CLAUDIO JOSÉ QUEIROZ BARROS - ENG. CIVIL - CREA 13.419/D/CE.

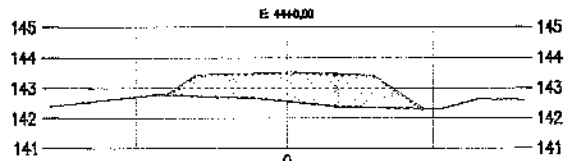
ARQUIVO: 4 - PROJETO TERRAPLANAGEM_TRECHO 01_PARTE 01_R1.DWG

PRANCHA:
2 / 30

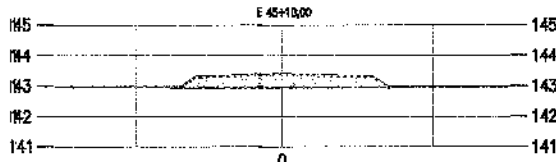
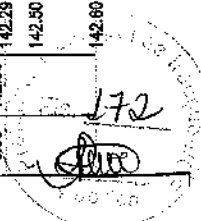
ESCALA:
1/250



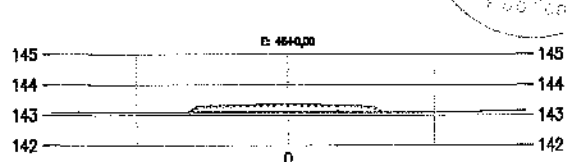
COTAS TN	142.34	142.34	142.35	142.35	142.35	142.36	142.40	142.48	142.55	142.58	142.53
AS PROJ.			142.35	142.32	143.32	143.38	143.32	142.88			
AS VERM.			0.02	0.02	0.98	1.02	0.92	0.64			



COTAS TN	142.59	142.59	142.69	142.76	142.86	142.84	142.37	142.31	142.29	142.80	142.60
COTAS PROJ.			142.76	143.42	143.48	143.42	142.31				
COTAS VERM.			0.00	0.74	0.94	1.05	0.41	0.00			



COTAS TN	142.94	142.94	142.94	142.94	142.94	142.94	142.94	142.83	142.93	142.93	142.98
AS PROJ.			142.94	143.32	143.38	143.32	142.93				
AS VERM.			0.00	0.38	0.44	0.38	0.00				



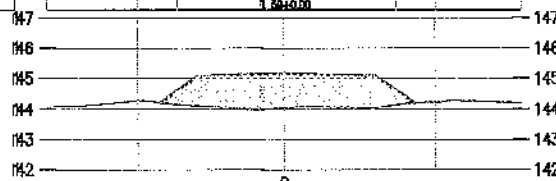
COTAS TN	143.08	143.08	143.08	143.08	143.08	143.08	143.08	143.08	143.08	143.07	143.15
COTAS PROJ.			143.08	143.27	143.33	143.27	143.08				
COTAS VERM.			0.00	0.20	0.26	0.20	0.00				



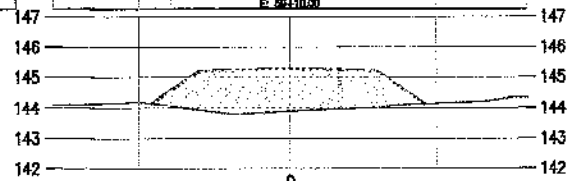
COTAS TN	144.03	144.03	144.03	144.03	144.03	144.02	144.02	144.02	144.02	144.02	144.03
AS PROJ.			144.03	144.53	144.59	144.53	144.02				
AS VERM.			0.00	0.50	0.56	0.50	0.00				



COTAS TN	144.01	144.01	144.01	144.01	144.01	144.01	144.01	144.01	144.01	144.01	144.04
COTAS PROJ.			144.01	144.67	144.73	144.67	144.01				
COTAS VERM.			0.00	0.66	0.72	0.66	0.00				



COTAS TN	144.08	144.19	144.28	144.18	144.04	144.04	144.05	144.17	144.22	144.27	144.20
AS PROJ.			144.38	145.09	145.15	145.09	144.38				
AS VERM.			0.29	1.05	1.11	1.04	0.20				



COTAS TN	144.08	144.15	144.18	144.08	143.79	143.88	143.97	144.11	144.14	144.18	144.34
COTAS PROJ.			144.14	144.53	145.23	145.29	145.23	144.53	144.13	144.14	
COTAS VERM.			0.00	0.47	1.44	1.41	1.26	0.43	0.00		



PREFEITURA MUNICIPAL DE IRAUÇUBA / CE.

RECIPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA ACE 173 NO DISTRITO DE JUIÁ, IRAUÇUBA-CE
A COMUNIDADE DE MARACANÁ, IRAUÇUBA-CE

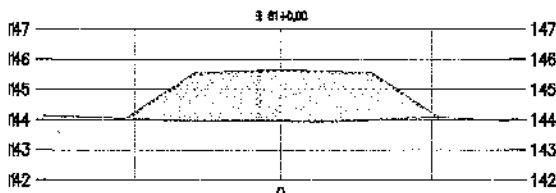
SEÇÕES TRANSVERSAIS

PROJETISTA: CLAUDIO JOSÉ QUEIROZ BARROS - ENG. CIVIL - CREA 18.419/D/CE.

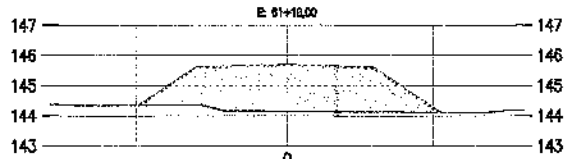
ARQUIVO: 4 - PROJETO TERRAPLANAGEM_TRECHO 01_PARTE 01_R1.DWG

PRANCHA:
3 / 30

ESCALA:
1/250

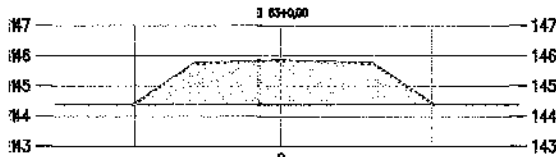


TAS TN	144.13	144.06	144.02	143.98	143.95	143.93	144.02	144.08	144.02	144.03
PROJ.	144.03	144.06	144.02	143.98	143.95	143.93	144.02	144.08	144.02	144.03
VERM.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

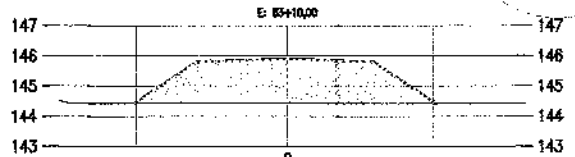


COTAS TN	144.36	144.33	144.33	144.33	144.15	144.13	144.12	144.11	144.11	144.20
COTAS PROJ.	144.33	144.33	144.33	144.33	144.15	144.13	144.12	144.11	144.11	144.20
COTAS VERM.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

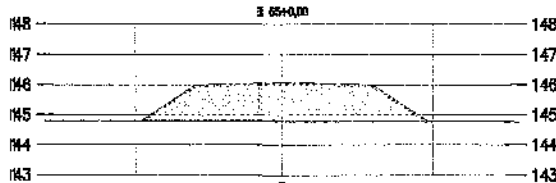
173



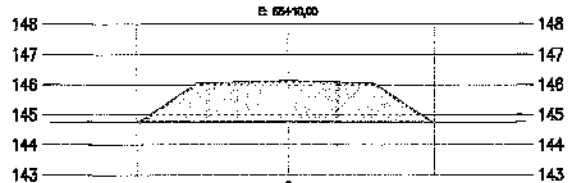
TAS TN	144.40	144.38	144.38	144.38	144.38	144.38	144.38	144.38	144.38	144.38
PROJ.	144.38	144.38	144.38	144.38	144.38	144.38	144.38	144.38	144.38	144.38
VERM.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



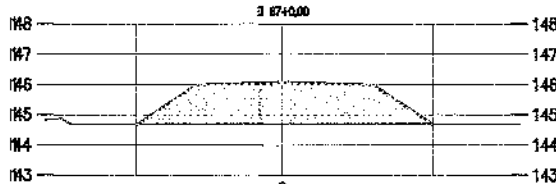
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COTAS PROJ.	144.43	144.43	144.43	144.43	144.43	144.43	144.43	144.43	144.43	144.43
COTAS VERM.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



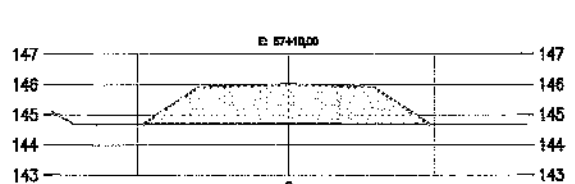
TAS TN	144.78	144.79	144.79	144.79	144.78	144.78	144.78	144.78	144.77	144.77	144.75
PROJ.	144.79	144.79	144.79	144.79	144.78	144.78	144.78	144.78	144.77	144.77	144.75
VERM.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



COTAS TN	144.75	144.75	144.75	144.75	144.75	144.75	144.75	144.75	144.75	144.78
COTAS PROJ.	144.75	144.75	144.75	144.75	144.75	144.75	144.75	144.75	144.75	144.78
COTAS VERM.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



TAS TN	144.84	144.87	144.87	144.87	144.87	144.87	144.87	144.87	144.87	144.87
PROJ.	144.87	144.87	144.87	144.87	144.87	144.87	144.87	144.87	144.87	144.87
VERM.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

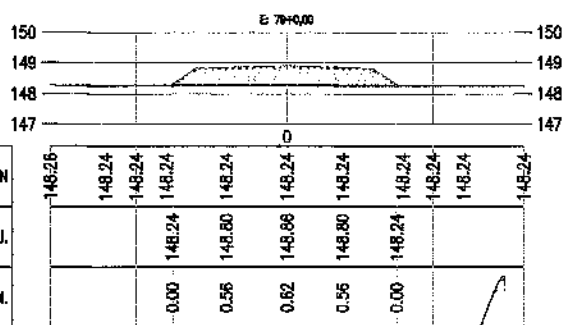
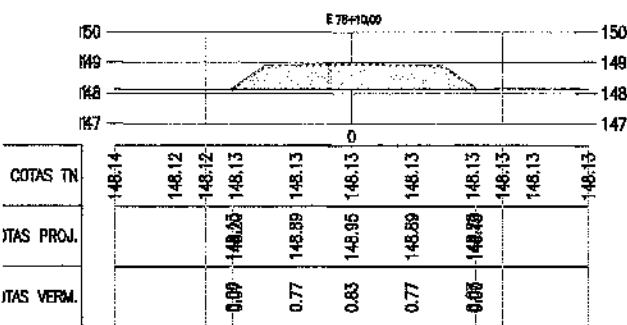
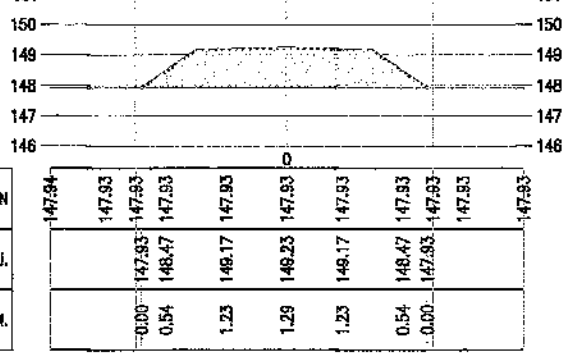
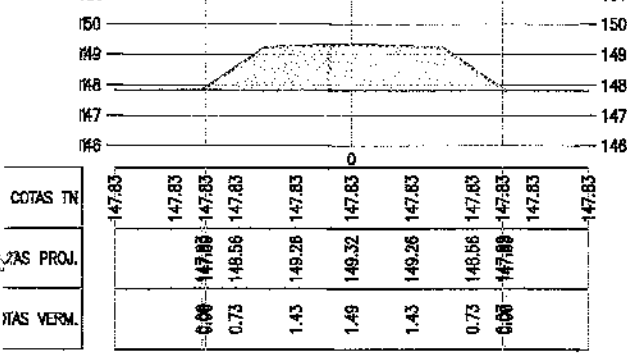
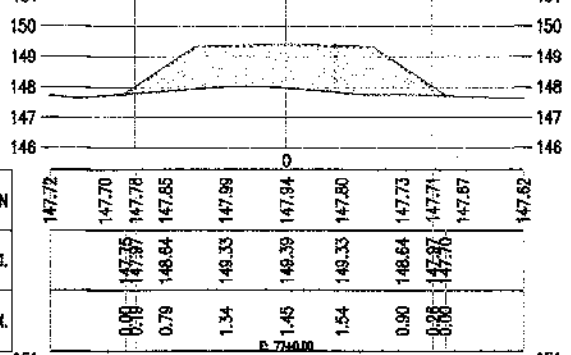
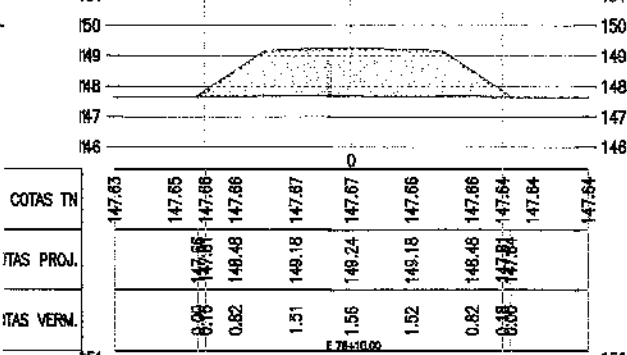
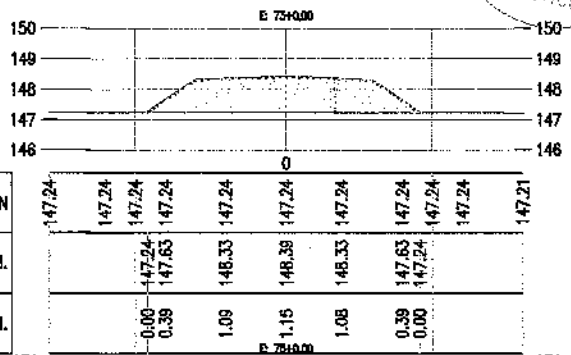
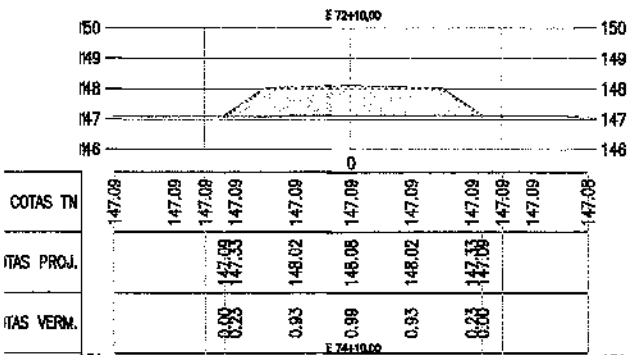
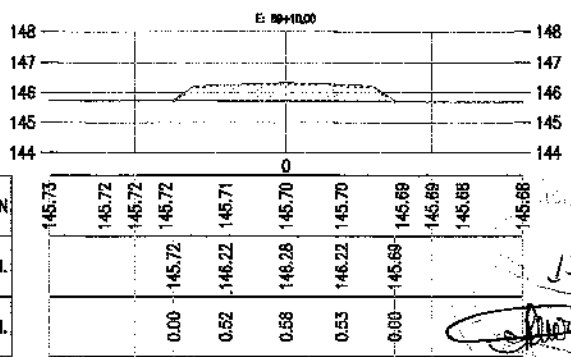
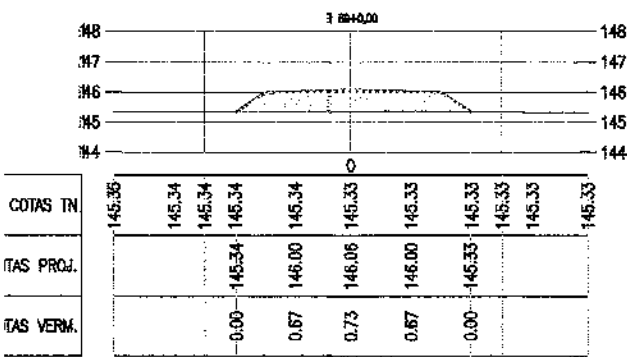


COTAS TN	145.09	144.89	144.89	144.89	144.89	144.89	144.89	144.89	144.89	144.89
COTAS PROJ.	144.89	144.89	144.89	144.89	144.89	144.89	144.89	144.89	144.89	144.89
COTAS VERM.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



PREFEITURA MUNICIPAL DE IRAUÇUBA / CE.	
RECUPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA A CE 173 NO DISTRITO DE JUAÍRA IRAUÇUBA-CE A COMUNIDADE DE MARACANÁ/IRAUÇUBA-CE	
SEÇÕES TRANSVERSAIS	
PROJETISTA:	CLAUDIO JOSÉ QUEIROZ BARROS - ENG. CIVIL - CREA 13.419/D/CE
ARQUIVO:	4 - PROJETO TERRAPLANAGEM_TRECHO 01_PARTE 01_R1.DWG

PRANCHA:	4 / 30
ESCALA:	1/250



PREFEITURA MUNICIPAL DE IRAUÇUBA / CE.

RECUPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA A CE 173 NO DISTRITO DE JUIÁ, IRAUÇUBA-CE
A COMUNIDADE DE MARACANÁ, IRAUÇUBA-CE

SEÇÕES TRANSVERSAIS

PROJETISTA: CLAUDIO JOSÉ QUEIROZ BARROS - ENGº CIVIL - CREA 13.419/D/CE.

ARQUIVO: 4 - PROJETO TERRAPLANAGEM_TRECHO 01_PAR E 01_R1.DWG

PRANCHA:

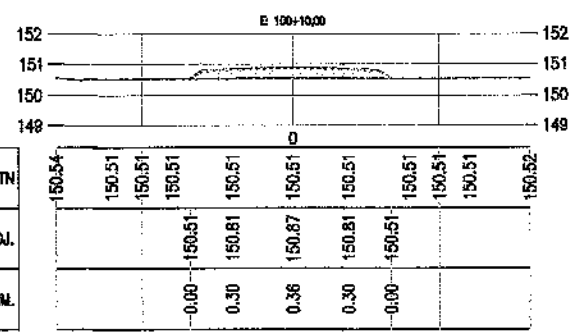
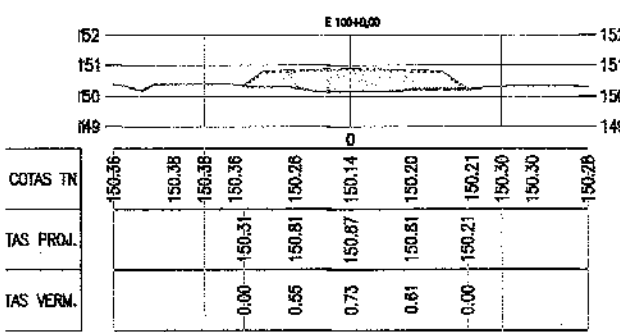
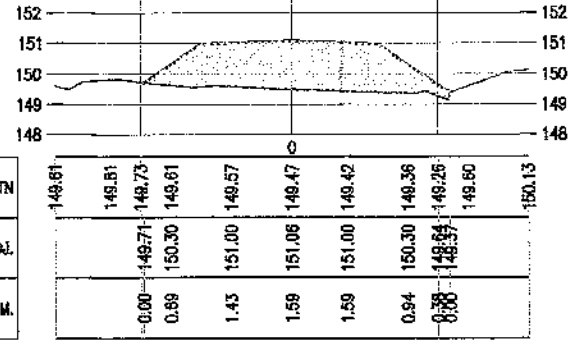
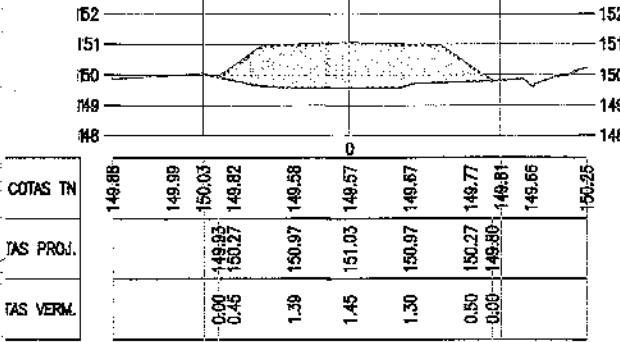
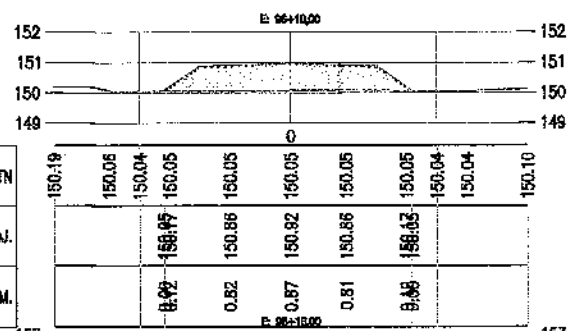
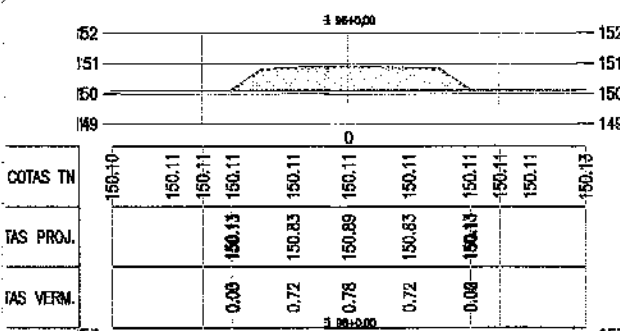
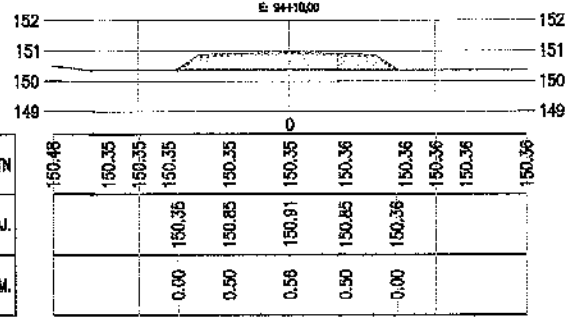
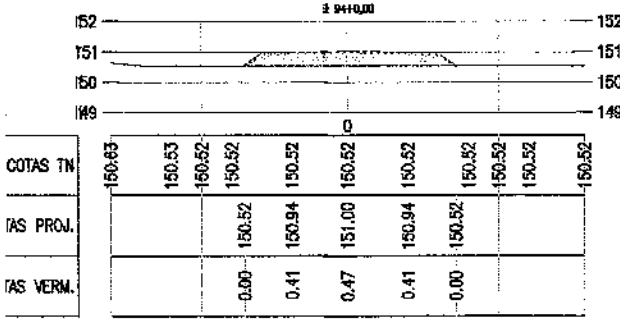
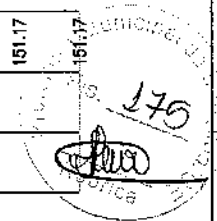
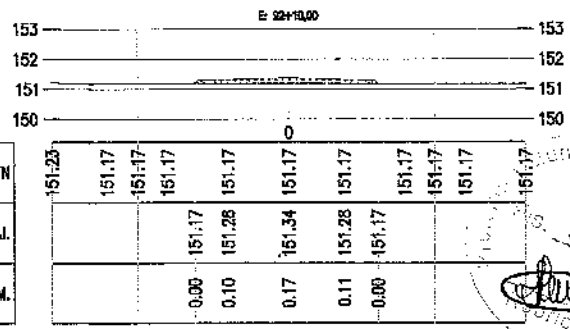
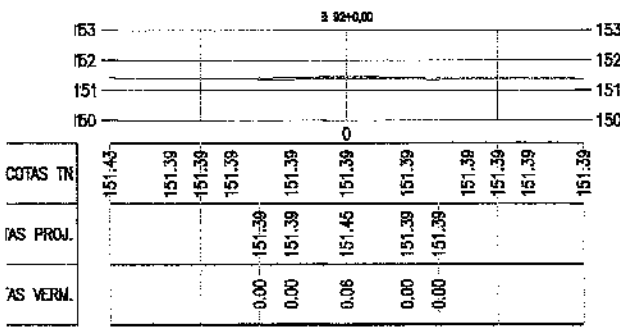
5 / 30

ESCALA:

1/250

174

[Signature]



PREFEITURA MUNICIPAL DE IRAUÇUBA / CE.

RECIPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA A CE 173 NO DISTRITO DE JUAÍ, IRAUÇUBA-CE
A COMUNIDADE DE MARACANÁ, IRAUÇUBA-CE

SEÇÕES TRANSVERSAIS

PROJETISTA: CLAUDIO JOSÉ QUEIROZ BARROS - ENG.º CIVIL - CREA 13.419/DICE.

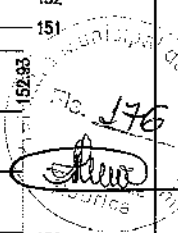
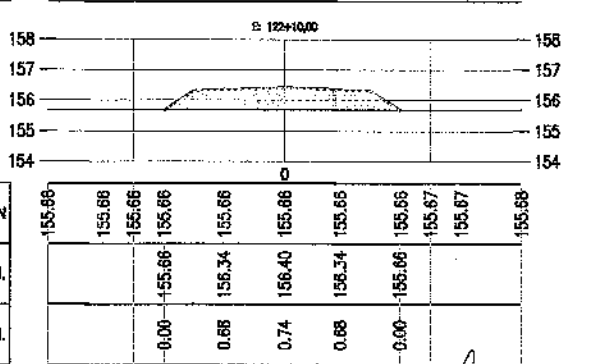
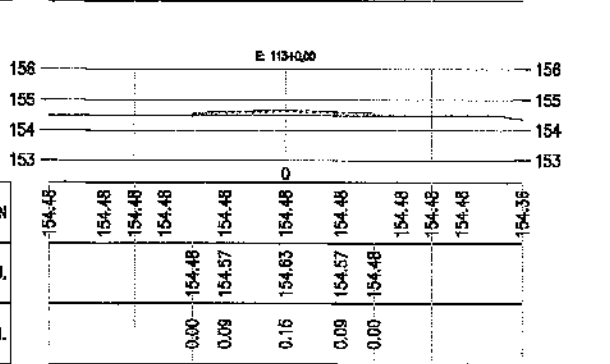
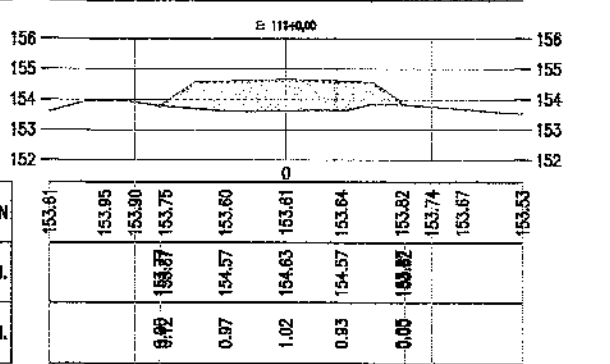
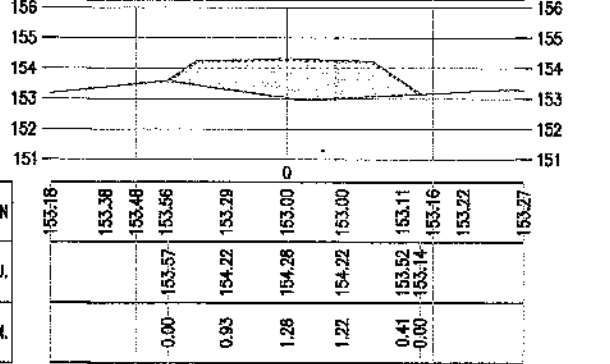
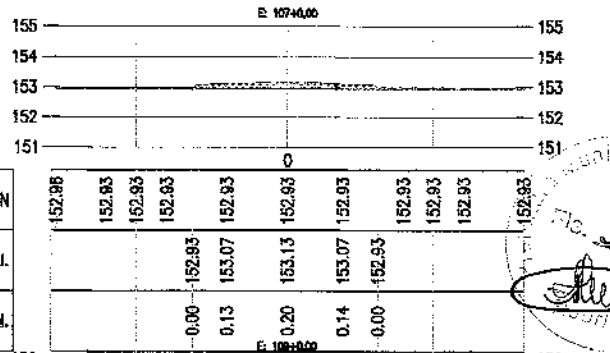
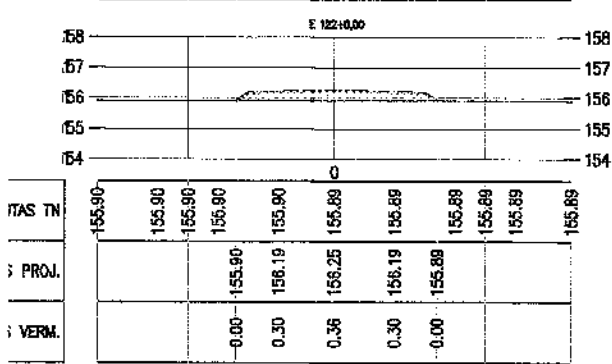
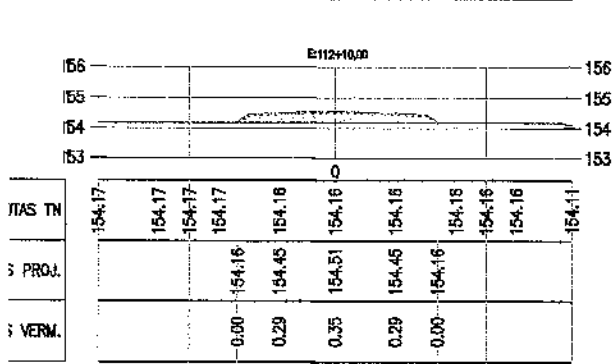
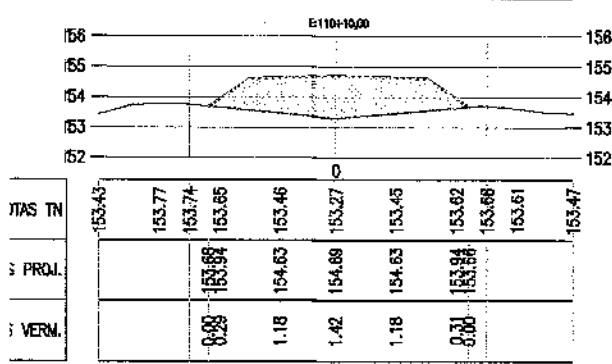
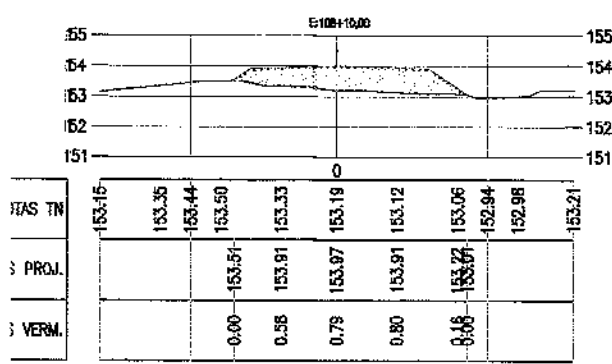
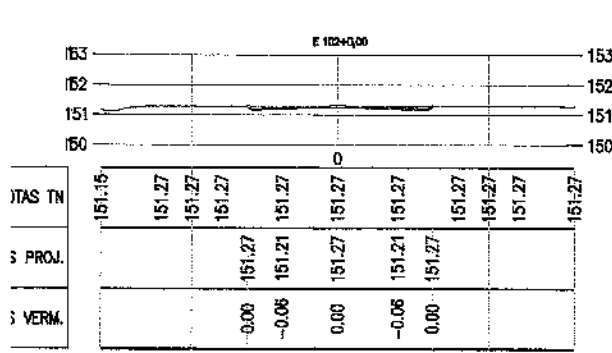
ARQUIVO: 4 - PROJETO TERRAPLANAGEM_TRECHO 01_PAR E 01_R1.DWG

PRANCHA:

6 / 30

ESCALA:

1/250



PREFEITURA MUNICIPAL DE IRAUÇUBA / CE.

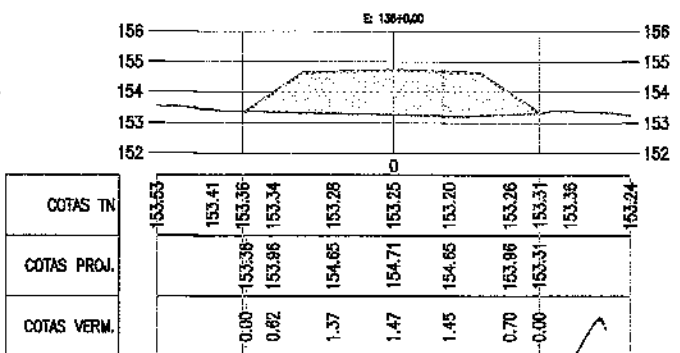
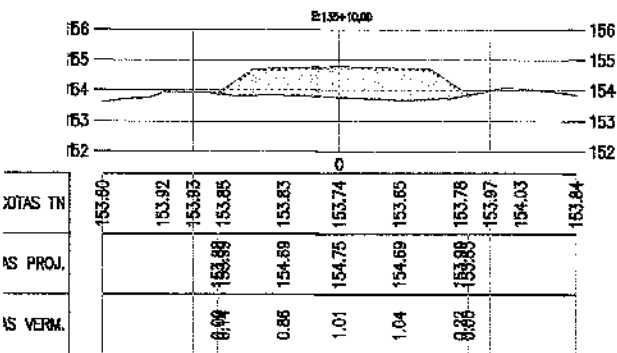
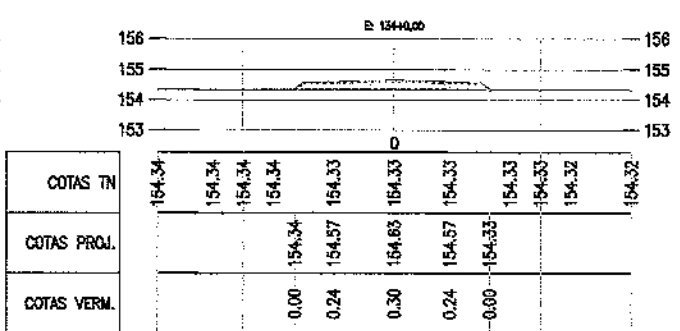
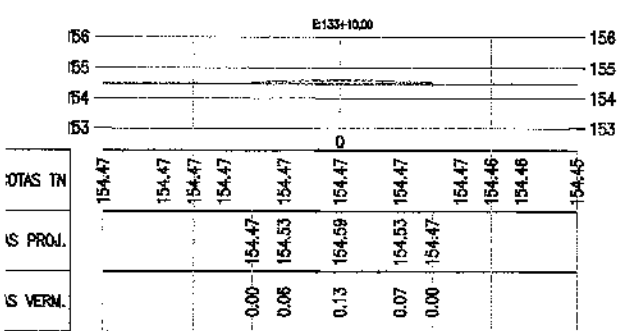
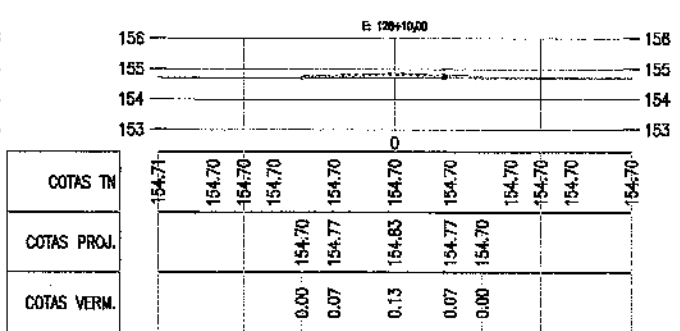
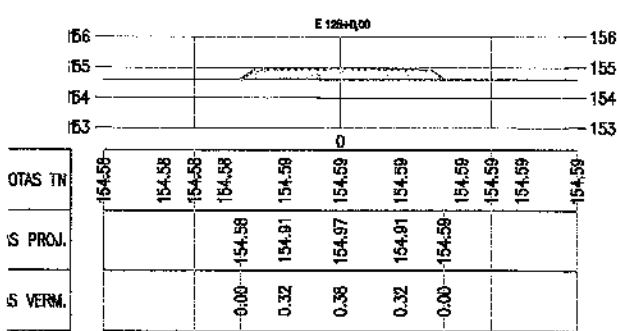
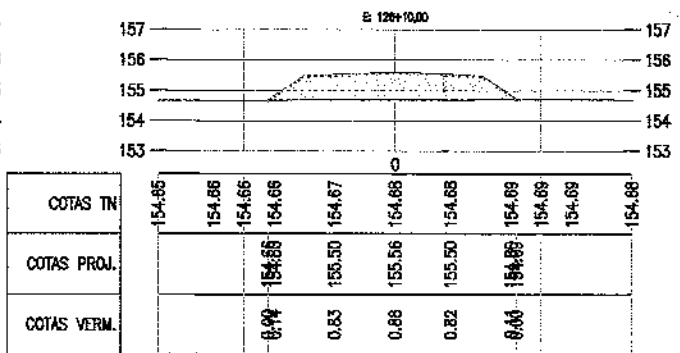
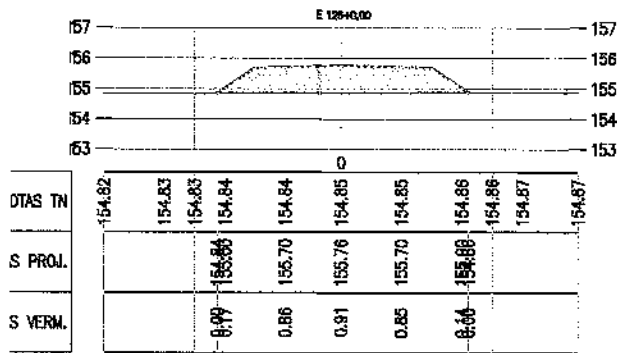
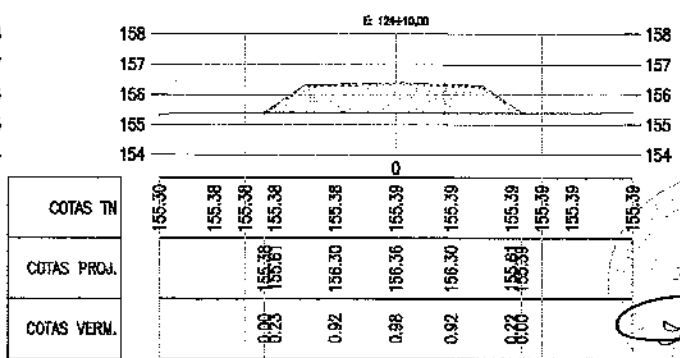
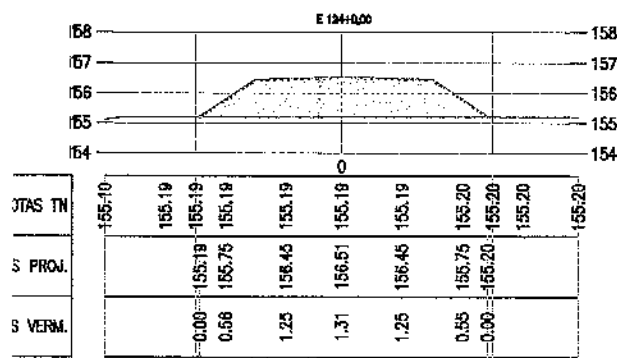
RECUPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA A CE 173 NO DISTRITO DE JILÁ / IRAUÇUBA - CE
A COMUNIDADE DE MARACANÁ / IRAUÇUBA - CE

SEÇÕES TRANSVERSAIS

PROJETISTA:	CLAUDIO JOSÉ QUEIROZ BARROS - ENG° CIVIL - CREA 13.419/D/CE.
ARQUIVO:	4 - PROJETO TERRAPLANAGEM_TRECHO 01_PARTE 01_R1.DWG

FRANCHA:
7 / 30

ESCALA:
1/250



PREFEITURA MUNICIPAL DE IRAUÇUBA / CE.

RECUPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA A R. 173 NO DISTRITO DE JUAÍRA, IRAUÇUBA-CE
A COMUNIDADE DE MARACANÁ, IRAUÇUBA-CE

SEÇÕES TRANSVERSAIS

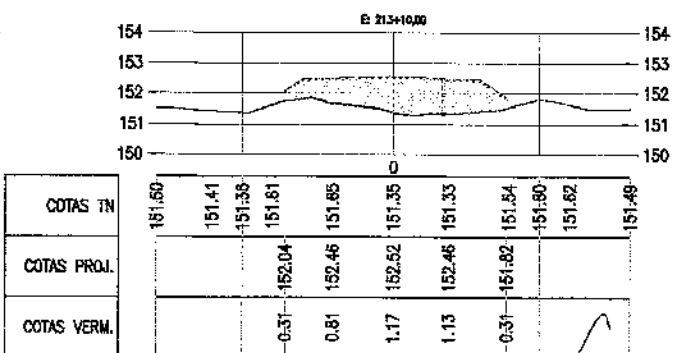
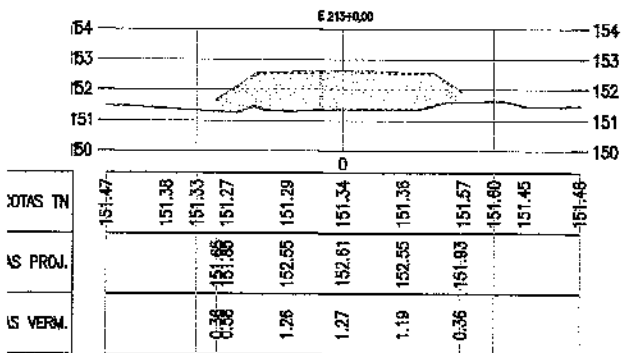
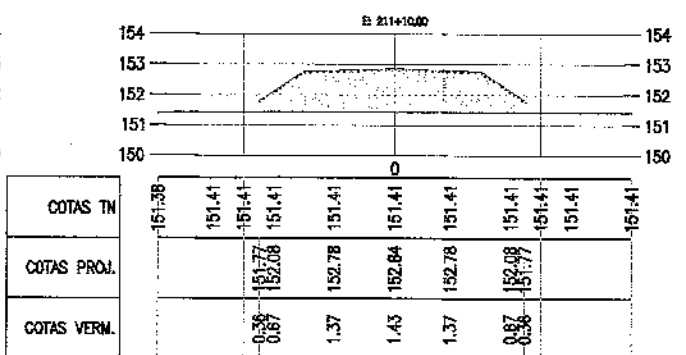
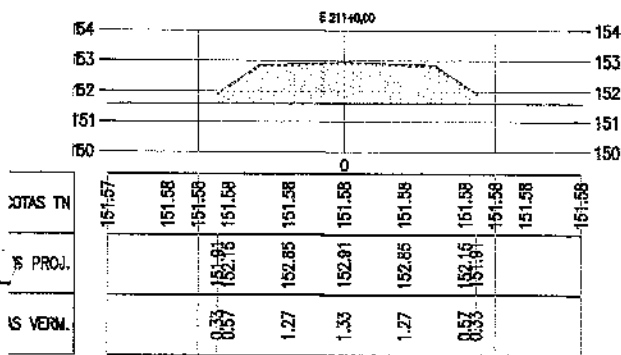
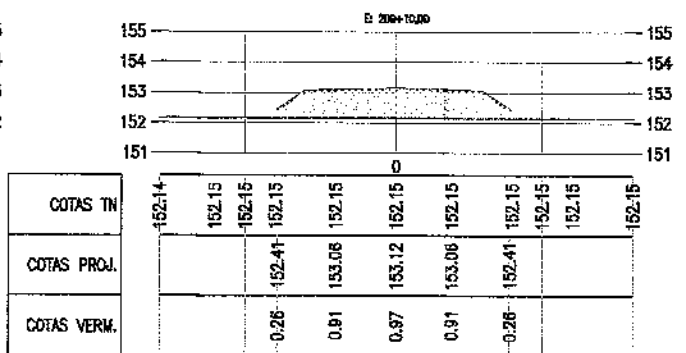
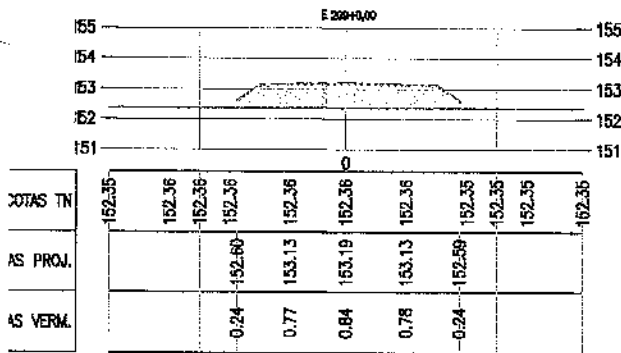
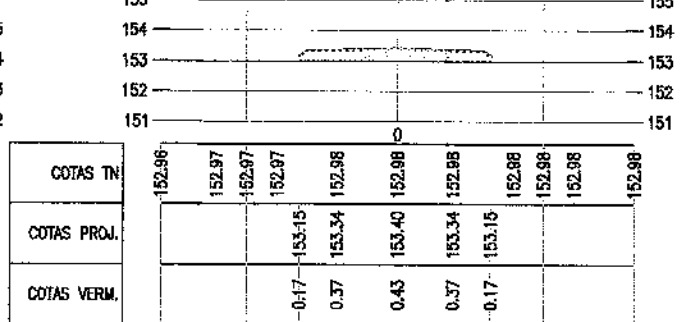
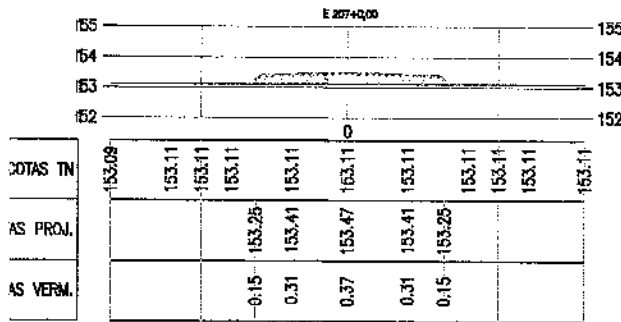
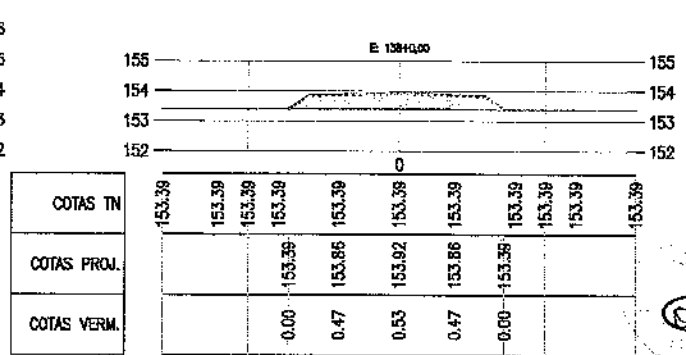
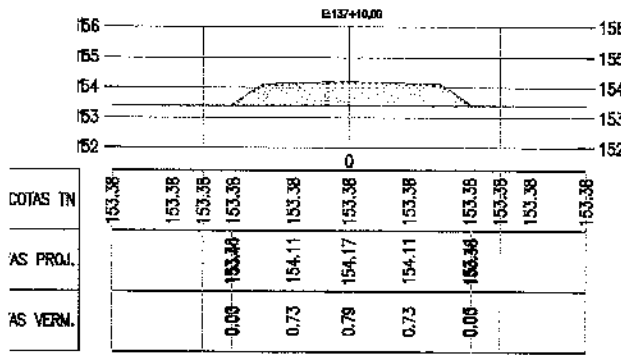
PROJETA: CLAUDIO JOSÉ QUEIROZ BARROS - ENG. CIVIL - CREA 13.419/D/CE

ARQUIVO: 4 - PROJETO TERAPIANAGEM_TRECHO 01_PARTE 01_R1.DWG

PRANCHA: **8 / 30**

ESCALA: **1/250**

177
[Handwritten signature]



PREFEITURA MUNICIPAL DE IRAUÇUBA / CE.

RECUPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA A CE 173 NO DISTRITO DE JUAÍ / IRAUÇUBA-CE
A COMUNIDADE DE MARACANÁ / IRAUÇUBA-CE

SEÇÕES TRANSVERSAIS

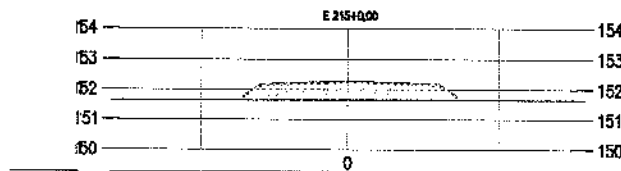
PROJETISTA: CLAUDIO JOSÉ QUEIROZ BARROS - ENG.º CIVIL - CREA 13.419D/CE

ARQUIVO: 4 - PROJETO TERAPIANAGEM_TRECHO 01_PARIE 01_R1.DWG

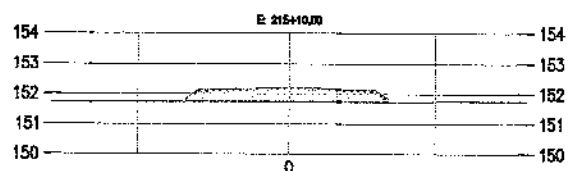
PRANCHA:
9 / 30

ESCALA:
1/250

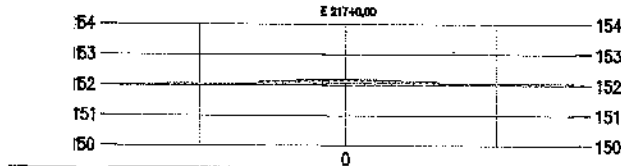
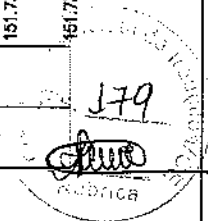
178
Almeida



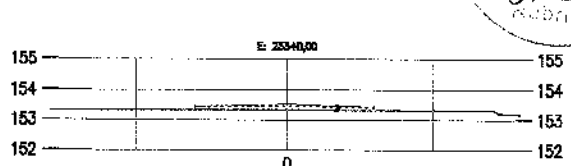
COTAS TN	151.63	151.63	151.63	151.63	151.63	151.63	151.63	151.63	151.63
AS PROJ.			151.76	152.18	152.24	152.18	151.76		
AS VERM.			0.13	0.55	0.61	0.55	0.13		



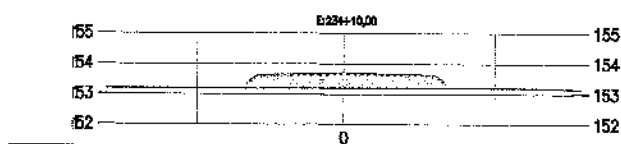
COTAS TN	151.72	151.73	151.73	151.73	151.73	151.73	151.73	151.73	151.73
COTAS PROJ.			151.80	152.10	152.16	152.10	151.80		
COTAS VERM.			-0.07	0.37	0.43	0.37	-0.07		



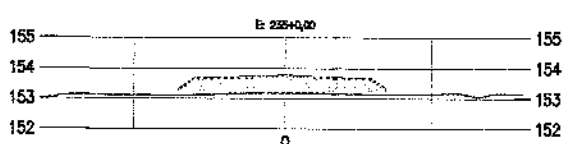
COTAS TN	151.99	152.03	152.03	152.03	152.03	152.04	152.04	152.04	152.04
AS PROJ.			152.04	152.10	152.16	152.10	152.04		
AS VERM.			0.05	0.06	0.12	0.06	0.05		



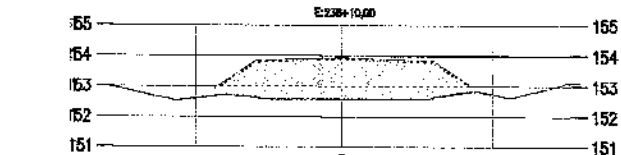
COTAS TN	153.32	153.32	153.32	153.32	153.32	153.32	153.32	153.32	153.32
COTAS PROJ.			153.42	153.42	153.48	153.42	153.42		
COTAS VERM.			0.10	0.10	0.16	0.10	0.10		



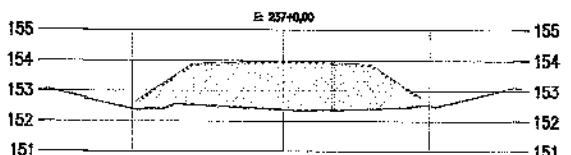
COTAS TN	153.18	153.18	153.18	153.19	153.19	153.19	153.19	153.18	153.18
AS PROJ.			153.35	153.61	153.67	153.61	153.35		
AS VERM.			0.17	0.42	0.48	0.42	0.17		



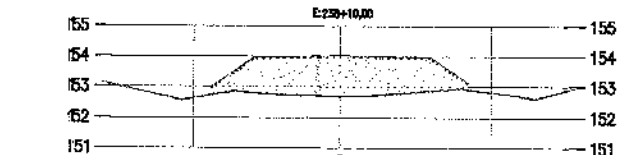
COTAS TN	153.03	153.11	153.10	153.09	153.13	153.17	153.14	153.14	153.15
COTAS PROJ.			153.28	153.67	153.73	153.67	153.32		
COTAS VERM.			0.19	0.54	0.56	0.53	0.19		



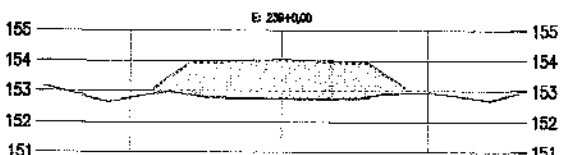
COTAS TN	153.04	152.60	152.60	152.71	152.57	152.56	152.77	152.72	153.11
AS PROJ.		153.95	153.95	153.85	153.81	153.85	153.68	152.72	
AS VERM.		0.25	0.25	1.28	1.35	1.29	0.28	0.28	



COTAS TN	153.06	152.62	152.40	152.38	152.46	152.36	152.36	152.36	153.10
COTAS PROJ.		152.63	152.40	152.38	153.90	152.36	152.44	152.51	
COTAS VERM.		0.26	0.82	1.44	1.80	1.53	0.76	0.26	



COTAS TN	153.14	152.68	152.62	152.78	152.70	152.68	152.76	152.92	152.99
AS PROJ.		153.24	153.24	153.94	154.00	153.94	153.24	152.78	
AS VERM.		0.23	0.23	1.24	1.32	1.18	0.23	0.23	



COTAS TN	153.16	152.70	152.77	152.83	152.77	152.73	152.74	152.91	152.93
COTAS PROJ.		153.24	153.24	153.94	154.00	153.94	153.24	152.82	
COTAS VERM.		0.82	0.82	1.17	1.27	1.20	0.23	0.23	



PREFEITURA MUNICIPAL DE IRAUÇUBA / CE.

RECUPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA ACE 173 NO DISTRITO DE JUIÁ, IRAUÇUBA-CE
A COMUNIDADE DE MARACANÁ, IRAUÇUBA-CE

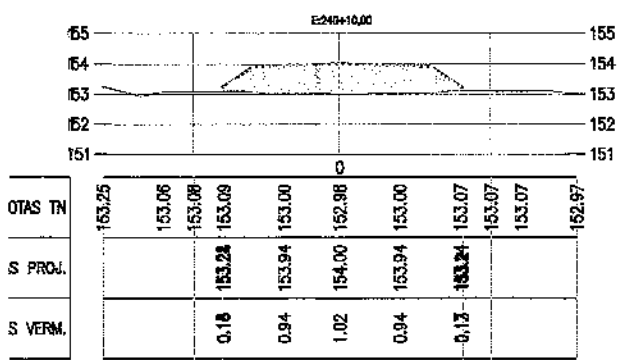
SEÇÕES TRANSVERSAIS

PROJETISTA: CLAUDIO JOSÉ QUEIROZ BARROS - ENG. CIVIL - CREA 13.419/D/CE.

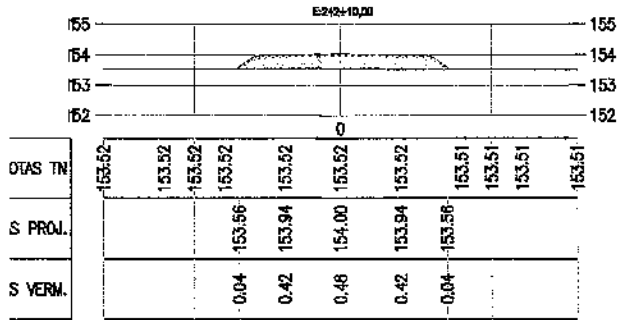
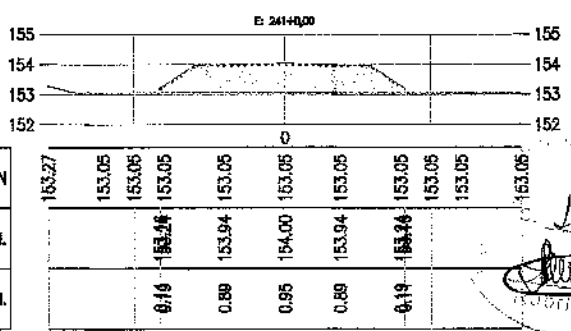
ARQUIVO: 4 - PROJETO TERRAPLANAGEM_TRECHO 01_PARIE 01_R1.DWG

PRANCHA:
10/30

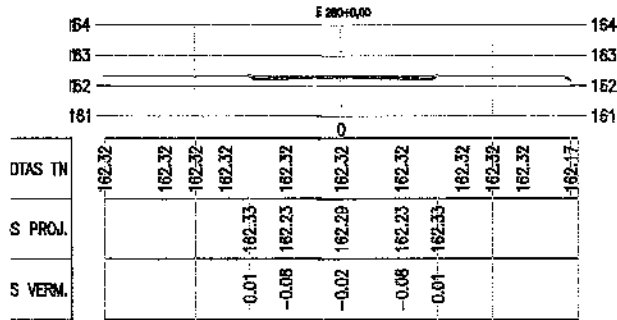
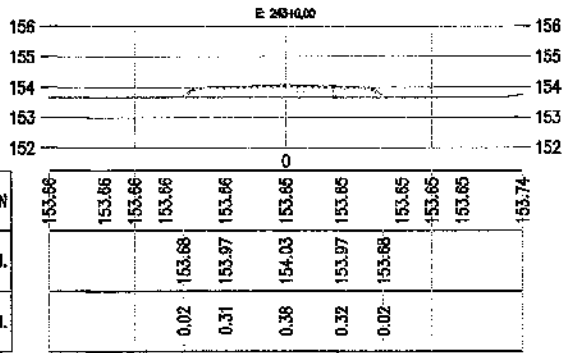
ESCALA:
1/250



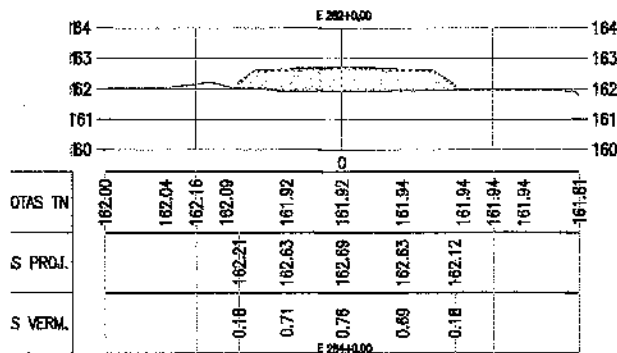
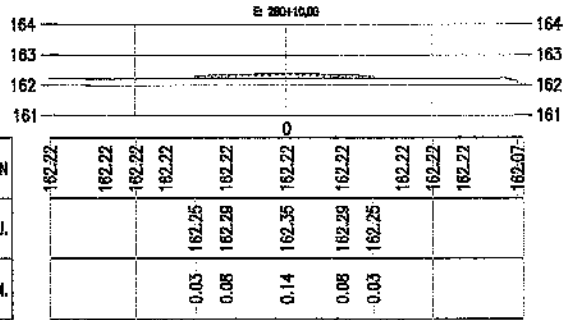
COTAS TN	153,27	153,05	153,05	153,05	153,05	153,05	153,05	153,05	153,05	153,05
COTAS PROJ.			153,24	153,05	153,94	154,00	153,94	153,05	153,05	
COTAS VERM.			-0,19	0,89	0,95	0,89	-0,19			



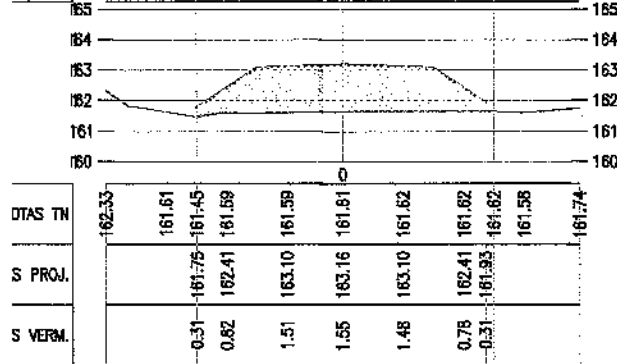
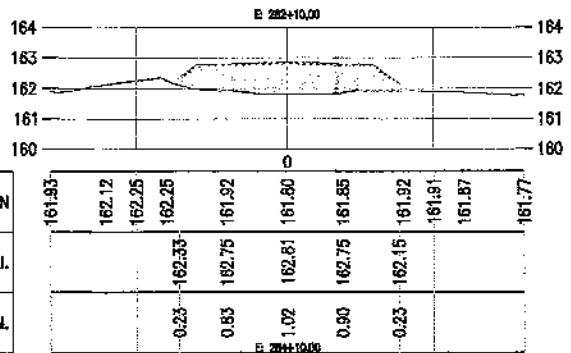
COTAS TN	153,56	153,56	153,56	153,56	153,56	153,56	153,55	153,55	153,55	153,55
COTAS PROJ.			153,68	153,97	154,03	153,97	153,68	153,55	153,55	
COTAS VERM.			0,02	0,31	0,38	0,32	-0,02			



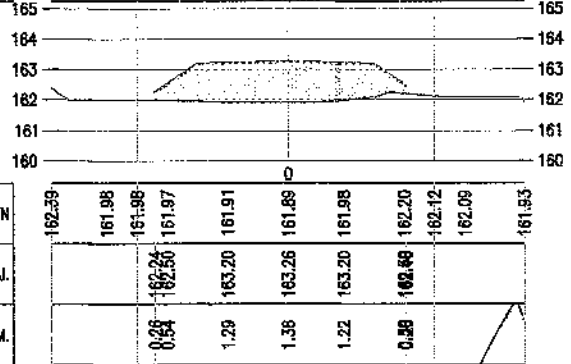
COTAS TN	162,22	162,22	162,22	162,22	162,22	162,22	162,22	162,22	162,22	162,07
COTAS PROJ.			162,25	162,28	162,35	162,28	162,25	162,22	162,22	
COTAS VERM.			-0,03	0,06	0,14	0,06	-0,03			



COTAS TN	161,93	162,12	162,25	162,25	162,75	161,92	161,80	161,85	161,92	161,77
COTAS PROJ.			162,33	162,75	162,81	162,75	162,15	161,81	161,81	
COTAS VERM.			0,23	0,83	1,02	0,90	0,23			



COTAS TN	162,35	161,98	161,98	161,97	161,91	161,89	161,91	161,91	161,83	161,77
COTAS PROJ.			162,24	162,50	163,20	163,26	163,20	162,48	162,12	
COTAS VERM.			-0,24	0,52	1,29	1,36	1,22	0,38	-0,20	



PREFEITURA MUNICIPAL DE IRAUÇUBA / CE.

RECIPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA A CE 173 NO DISTRITO DE JUAÍRA, IRAUÇUBA-CE
A COMUNIDADE DE MARACANÁ, IRAUÇUBA-CE

SEÇÕES TRANSVERSAIS

PROJETISTA: CLAUDIO JOSÉ QUEIROZ BARROS - ENG.º CIVIL - CREA 13.418/D/CE.

ARQUIVO: 4 - PROJETO TERRAPLANAGEM_TRECHO 01_PARTE 01_R1.DWG

PRANCHA:

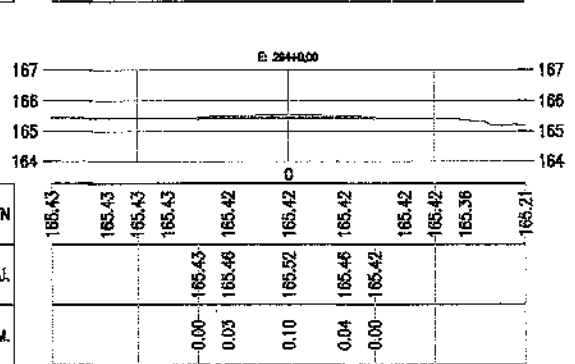
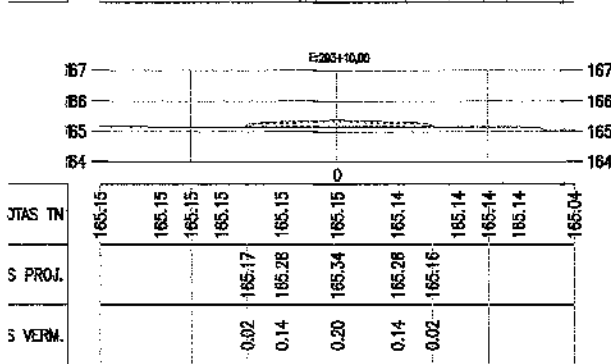
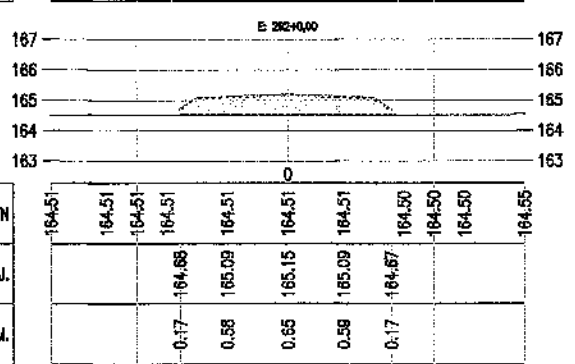
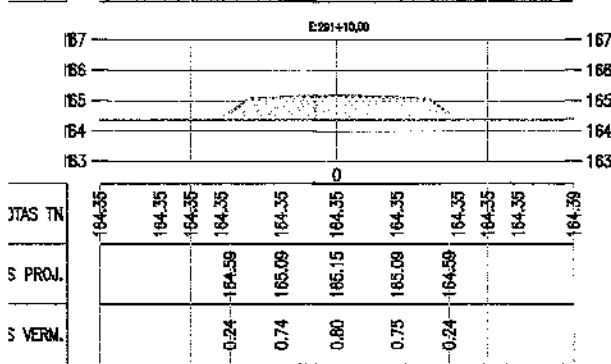
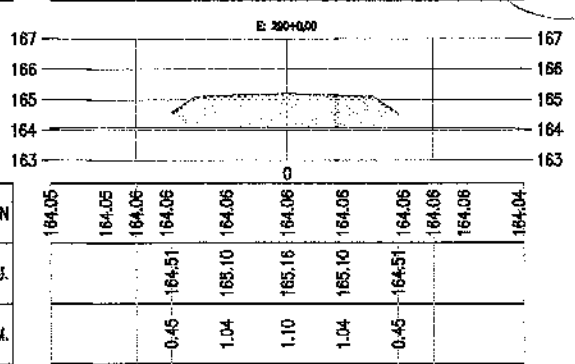
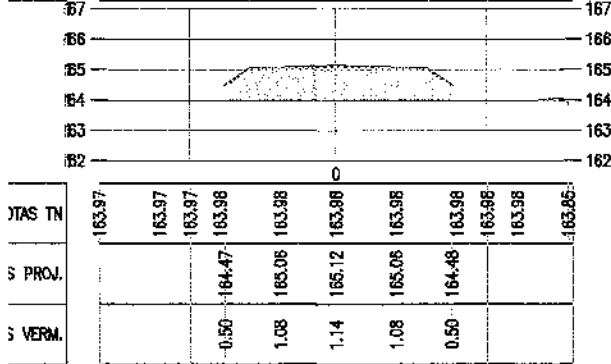
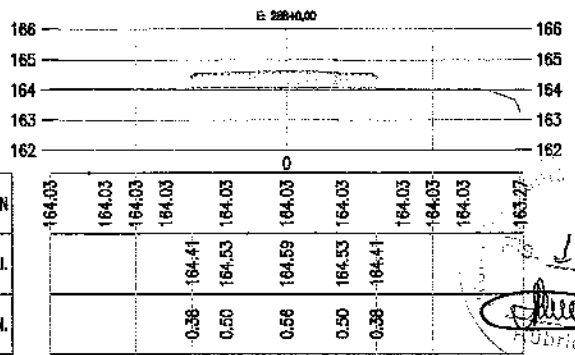
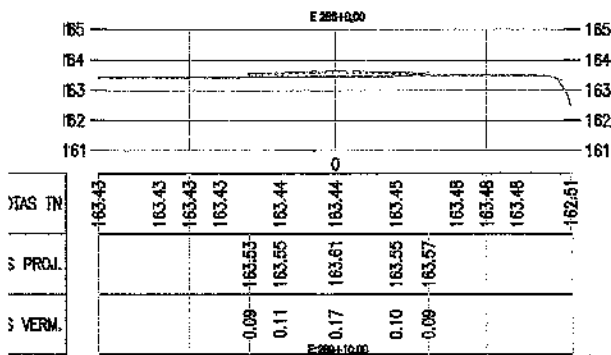
11/30

ESCALA:

1/250

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[Handwritten Signature]



PREFEITURA MUNICIPAL DE IRAUÇUBA / CE.

RECUPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA ACE 173 NO DISTRITO DE JILÁ/ IRAUÇUBA-CE
A COMUNIDADE DE MARACANÁ/IRAUÇUBA-CE

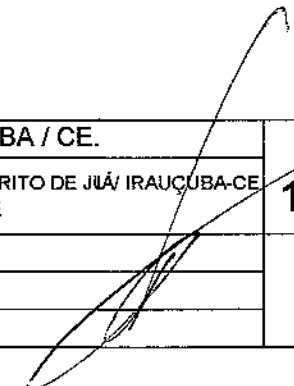
SEÇÕES TRANSVERSAIS

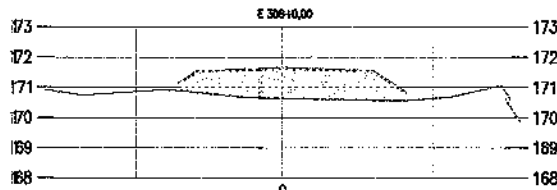
PROJETISTA: CLAUDIO JOSÉ QLEIROZ BARROS - ENG° CIVIL - CREA 13.419D/CE.

ARQUIVO: 4 - PROJETO TERRAPLANAGEM_TRECHO 01_PARTE 01_R1.DWG

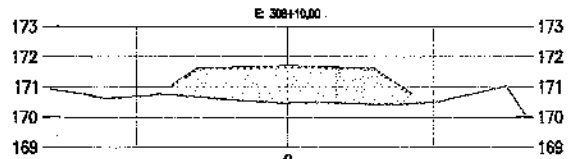
PRANCHA:
12 / 30

ESCALA:
1/250

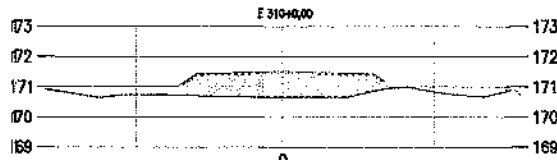
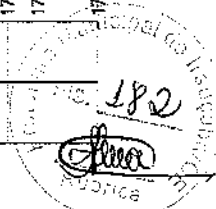




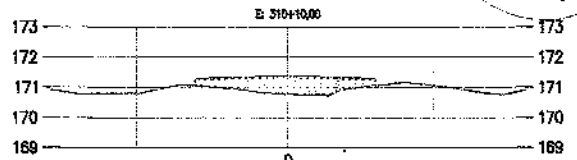
COTAS TN	170.83	170.79	170.86	170.82	170.72	170.82	170.58	170.55	170.82	170.77	169.88
PROJ.				171.14	171.55	171.61	171.55	170.88			
VERM.			-0.28	0.84	1.00	0.98	-0.26				



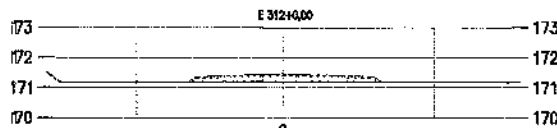
COTAS TN	170.93	170.81	170.68	170.73	170.56	170.45	170.45	170.42	170.50	170.70	170.09
PROJ.											
VERM.			-0.34	1.05	1.22	1.16	0.44				



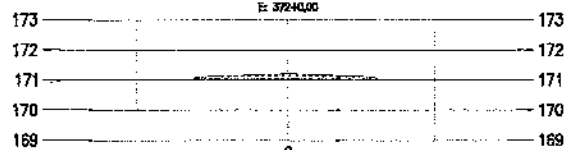
COTAS TN	170.92	170.67	170.73	170.72	170.67	170.64	170.65	170.67	170.63	170.71	170.73
PROJ.				170.98	171.42	171.48	171.42	171.18			
VERM.			0.28	0.75	0.83	0.77	0.26				



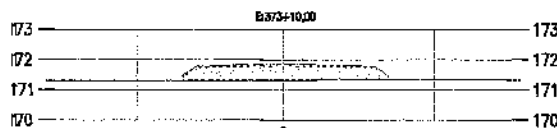
COTAS TN	170.93	170.79	170.78	170.98	170.95	170.76	170.93	171.16	171.05	170.91	170.91
PROJ.				171.21	171.28	171.34	171.28	171.22			
VERM.			0.17	0.34	0.69	0.35	0.17				



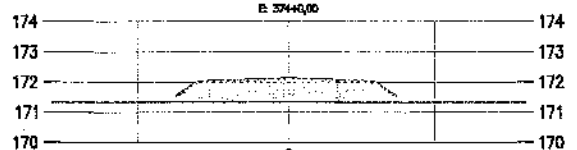
COTAS TN	171.52	171.18	171.18	171.18	171.18	171.18	171.19	171.19	171.19	171.19	171.19
PROJ.				171.19	171.36	171.42	171.36	171.20			
VERM.			0.01	0.18	0.24	0.18	-0.01				



COTAS TN	170.93	171.01	171.01	171.01	171.01	171.01	171.01	171.01	171.01	171.01	171.01
PROJ.				171.02	171.10	171.16	171.10	171.02			
VERM.			0.00	0.09	0.15	0.09	0.00				



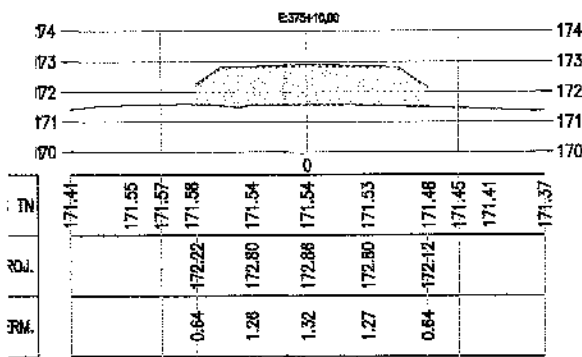
COTAS TN	171.30	171.31	171.31	171.31	171.31	171.31	171.31	171.31	171.31	171.31	171.31
PROJ.				171.44	171.78	171.84	171.78	171.44			
VERM.			-0.13	0.47	0.53	0.47	0.13				



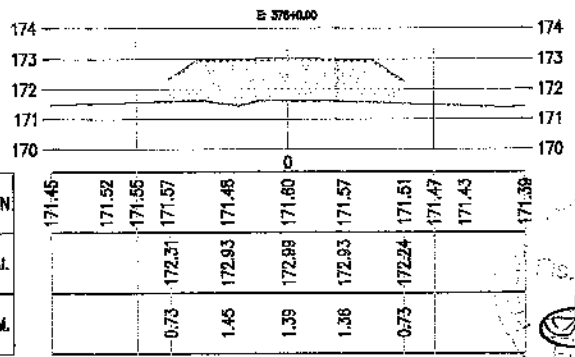
COTAS TN	171.31	171.32	171.32	171.32	171.31	171.31	171.31	171.31	171.31	171.31	171.31
PROJ.				171.34	172.03	172.09	172.03	171.54			
VERM.			-0.22	0.72	0.78	0.72	-0.22				



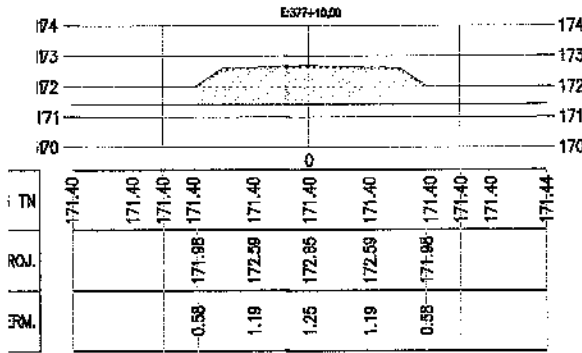
PREFEITURA MUNICIPAL DE IRAUÇUBA / CE.		PRANCHA:
RECUPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA A R. 173 NO DISTRITO DE JUAÍ / IRAUÇUBA - CE A COMUNIDADE DE MARACANÁ / IRAUÇUBA - CE		13 / 30
SEÇÕES TRANSVERSAIS		
PROJETISTA:	CLAUDIO JOSÉ QUEIROZ BARROS - ENG.º CIVIL - CREA 13.419/DICE.	ESCALA:
ARQUIVO:	4 - PROJETO TERRAPLANAGEM_TRECHO 01_PARTE 01_R1.DWG	1/250



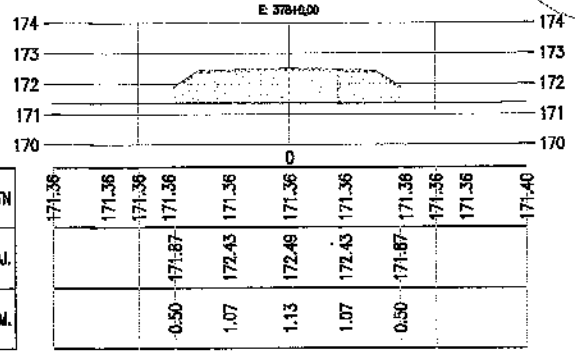
COTAS TN	
COTAS PROJ.	
COTAS VERM.	



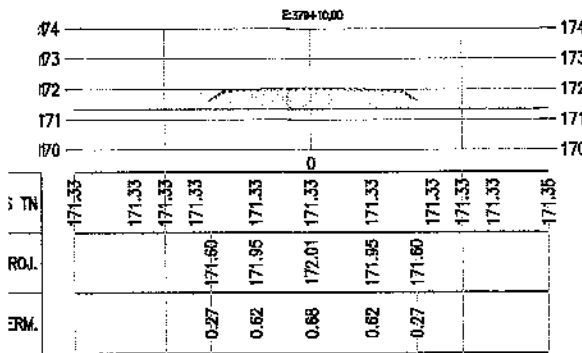
COTAS TN	
COTAS PROJ.	
COTAS VERM.	



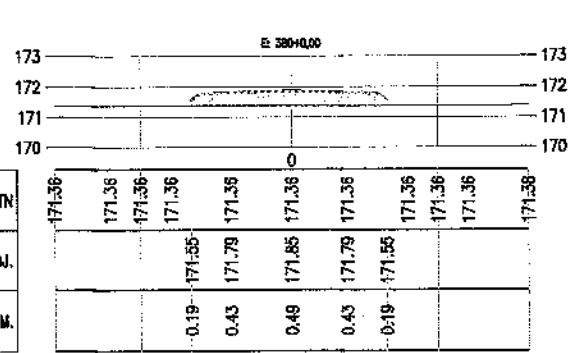
COTAS TN	
COTAS PROJ.	
COTAS VERM.	



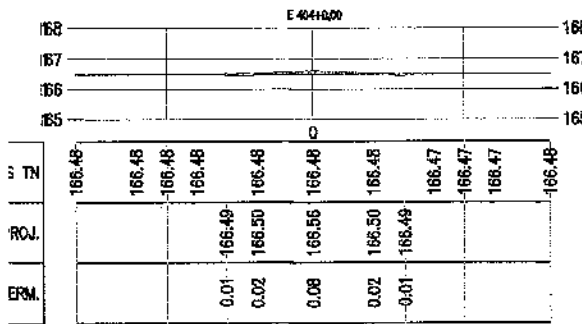
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COTAS VERM.	



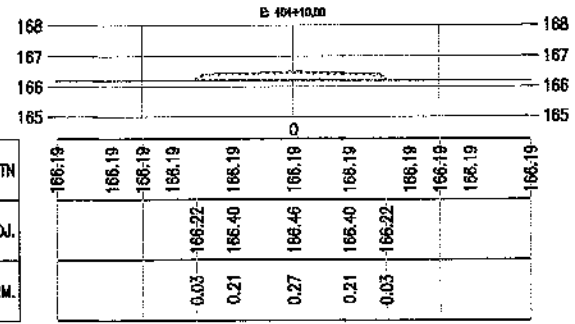
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COTAS VERM.	



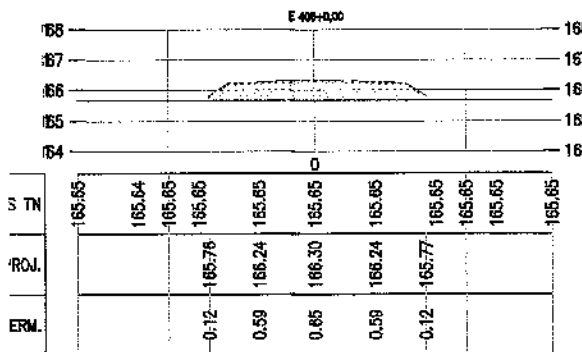
COTAS TN	
COTAS PROJ.	
COTAS VERM.	



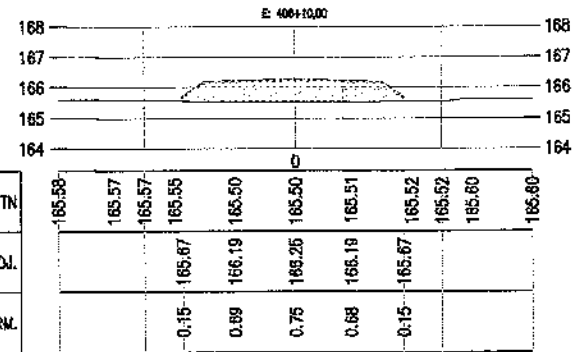
COTAS TN	
COTAS PROJ.	
COTAS VERM.	



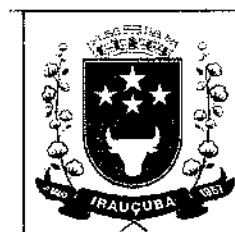
COTAS TN	
COTAS PROJ.	
COTAS VERM.	



COTAS TN	
COTAS PROJ.	
COTAS VERM.	



COTAS TN	
COTAS PROJ.	
COTAS VERM.	



PREFEITURA MUNICIPAL DE IRAUÇUBA / CE.

**RECUPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA A CE 173 NO DISTRITO DE JUAÍ, IRAUÇUBA-CE
A COMUNIDADE DE MARACAN, IRAUÇUBA-CE**

SEÇÕES TRANSVERSAIS

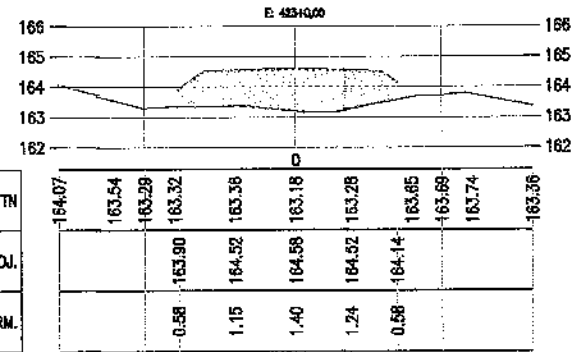
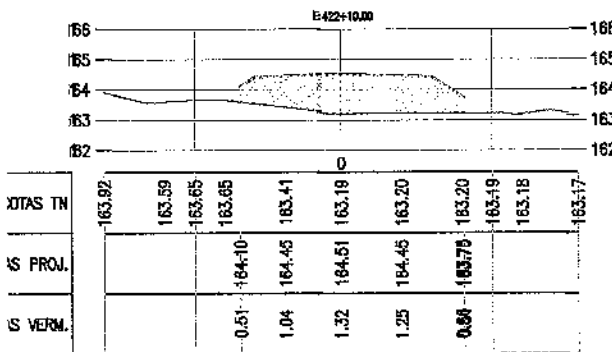
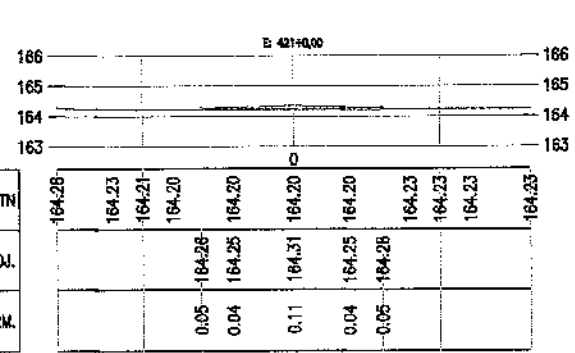
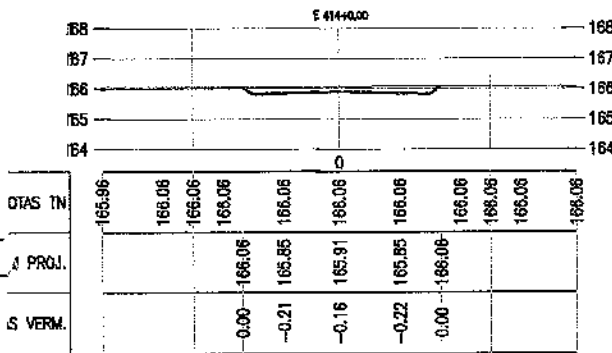
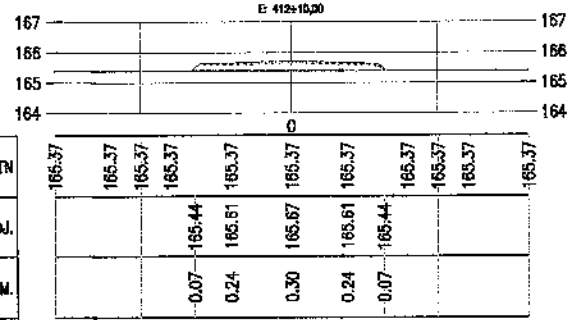
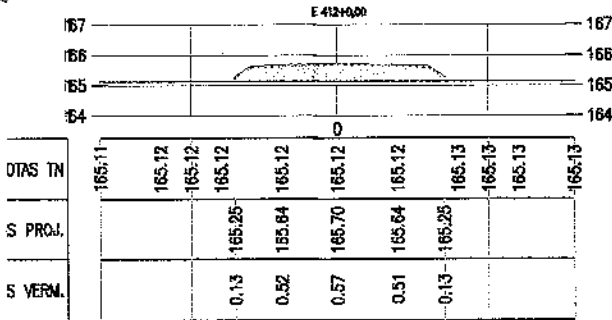
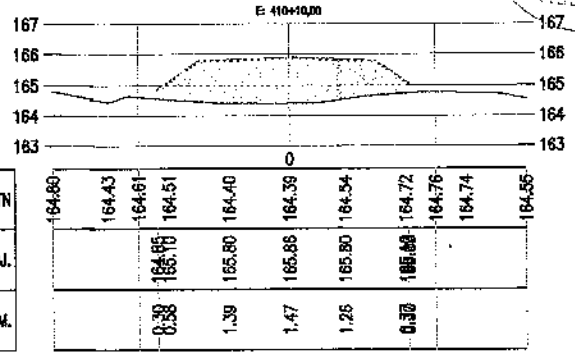
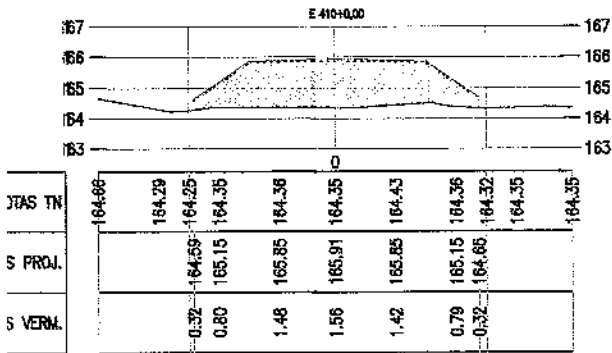
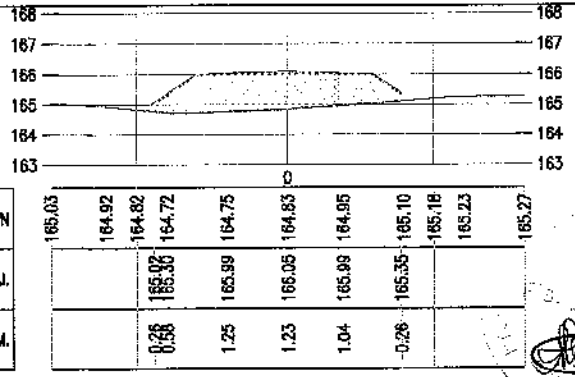
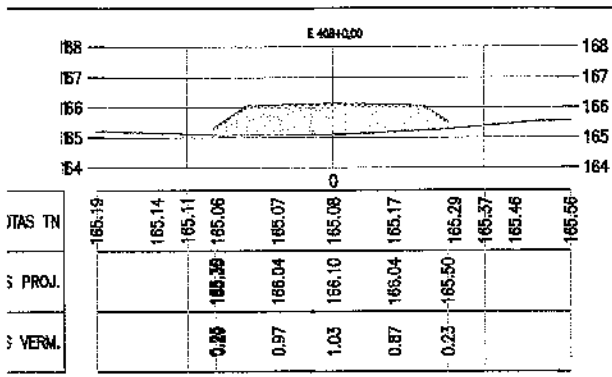
PROJETA: CLAUDIO JOSÉ QUEIROZ BARROS - ENG. CIVIL - CREA 13.419/D/CE.


ARQUIVO: 4 - PROJETO TERRAPLANAGEM_TRECHO 01_PARTE 01_R1.DWG

PRANCHA:
14 / 30

ESCALA:
1/250

183
Cláudio
Rubrics





PREFEITURA MUNICIPAL DE IRAUÇUBA / CE

RECUPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA A CE 173 NO DISTRITO DE JUAÍRA, IRAUÇUBA-CE
À COMUNIDADE DE MARACANÁ, IRAUÇUBA-CE

SEÇÕES TRANSVERSAIS

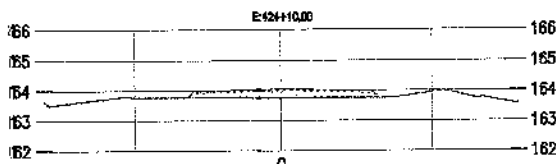
PROJETISTA:	CLAUDIO JOSÉ GLEIROZ BARROS - ENG.º CIVIL - CREA 13.419/D/CE.
ARQUIVO:	4 - PROJETO TERRAPLANAGEM_TRECHO 01_PARTE 01_R1.DWG

PRANCHA:

15 / 30

ESCALA:

1/250



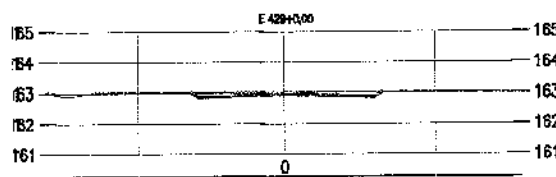
ALTAS TN	163.61	163.72	163.77	163.76	163.76	163.74	163.74	163.74	163.78	163.83	163.84	163.86
PROJ.				163.62	163.95	164.01	163.95	163.81				
VERM.				0.07	0.20	0.27	0.22	0.07				

COTAS TN												
COTAS PROJ.												
COTAS VERM.												



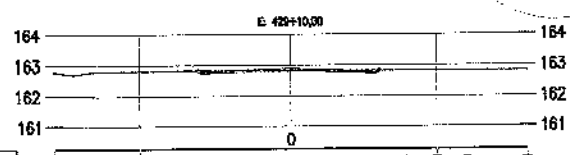
ALTAS TN	163.75	163.75	163.75	163.75	163.75	163.75	163.75	163.75	163.75	163.75	163.75	163.84
PROJ.												
VERM.												

185

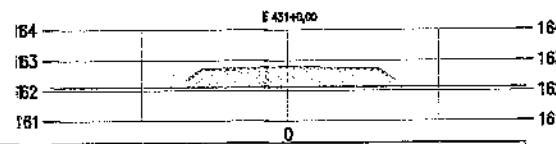


ALTAS TN	163.01	163.02	163.02	163.02	163.02	163.02	163.02	163.02	163.02	163.02	163.02	163.02
PROJ.				163.02	162.90	162.96	162.90	163.02				
VERM.				0.00	-0.12	-0.08	-0.12	0.00				

COTAS TN												
COTAS PROJ.												
COTAS VERM.												

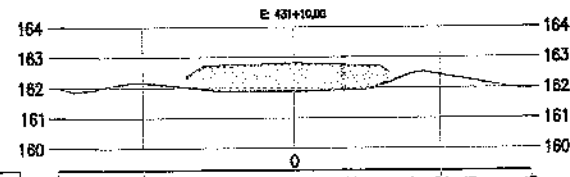


ALTAS TN	162.79	162.79	162.79	162.79	162.80	162.80	162.80	162.80	162.80	162.80	162.80	162.80
PROJ.												
VERM.												

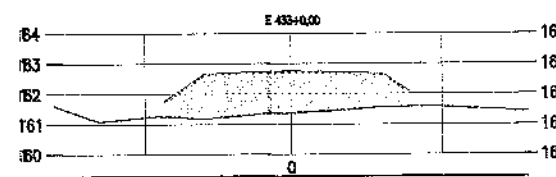


ALTAS TN	162.13	162.09	162.09	162.09	162.10	162.10	162.10	162.10	162.10	162.10	162.10	162.10
PROJ.				162.33	162.69	162.75	162.69	162.34				
VERM.				0.23	0.60	0.66	0.59	0.23				

COTAS TN												
COTAS PROJ.												
COTAS VERM.												

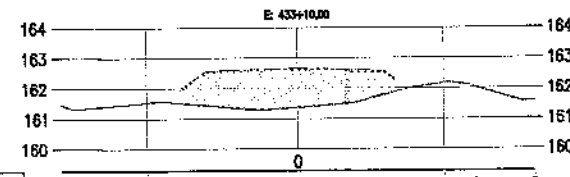


ALTAS TN	161.96	162.05	162.15	162.04	162.71	161.87	161.87	161.92	162.44	162.42	162.23	161.95
PROJ.												
VERM.												

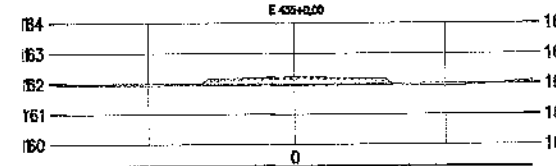


ALTAS TN	161.61	161.13	161.22	161.22	161.25	161.35	161.47	161.56	161.55	161.50	161.44	
PROJ.				161.37	162.67	162.73	162.67	162.07	161.55	161.50		
VERM.				0.76	1.41	1.38	1.20	0.51				

COTAS TN												
COTAS PROJ.												
COTAS VERM.												

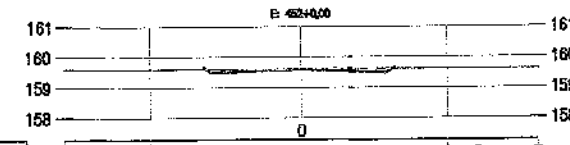


ALTAS TN	161.47	161.44	161.53	161.51	161.33	161.35	161.51	162.02	162.17	162.04	161.59
PROJ.											
VERM.											



ALTAS TN	161.94	161.94	161.94	161.94	161.94	161.93	161.93	161.93	161.93	161.96	162.08
PROJ.											
VERM.											

COTAS TN											
COTAS PROJ.											
COTAS VERM.											



ALTAS TN	159.60	159.59	159.59	159.59	159.59	159.59	159.59	159.60	159.60	159.60	159.60
PROJ.											
VERM.											



PREFEITURA MUNICIPAL DE IRAUÇUBA / CE.

RECIPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA A CE 173 NO DISTRITO DE JUAÍRA IRAUÇUBA-CE
 A COMUNIDADE DE MARACANÁ/IRAUÇUBA-CE

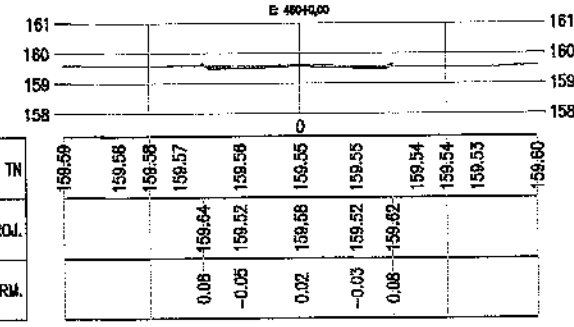
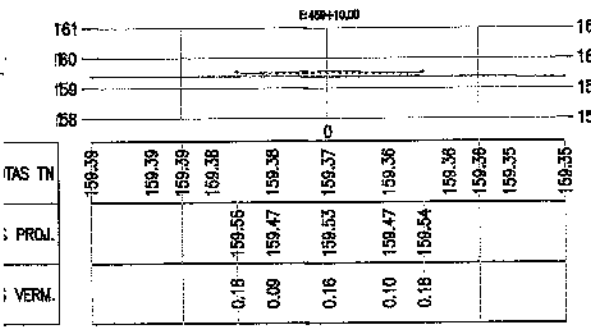
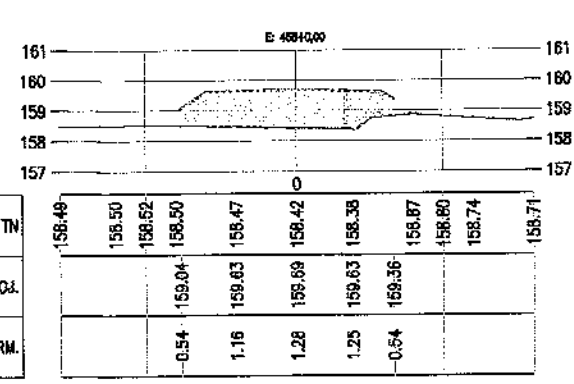
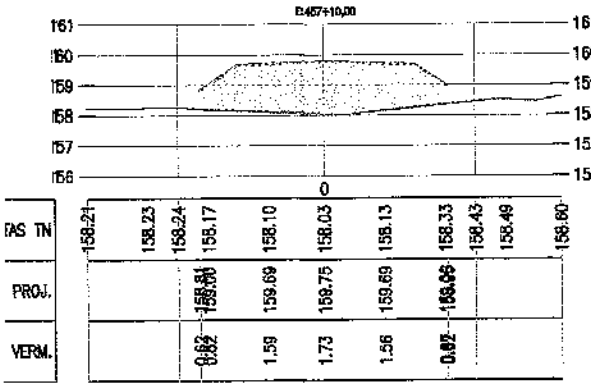
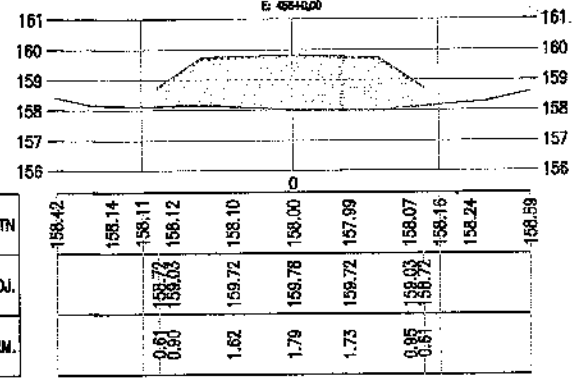
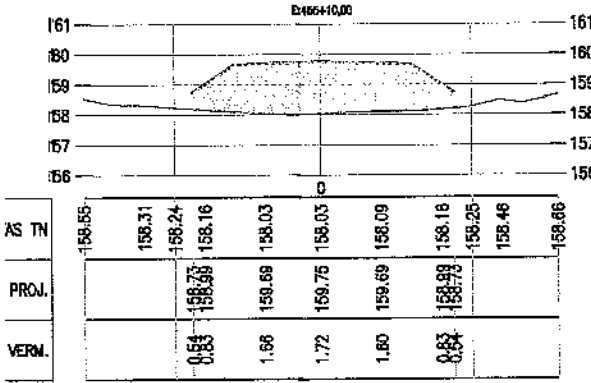
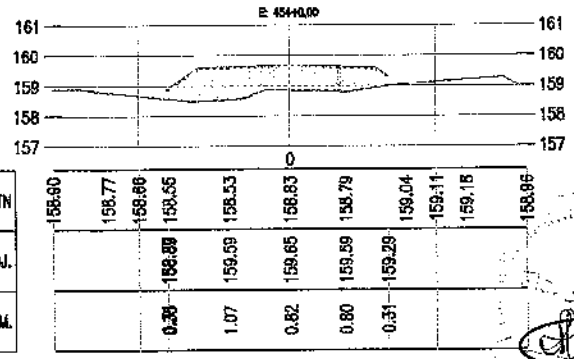
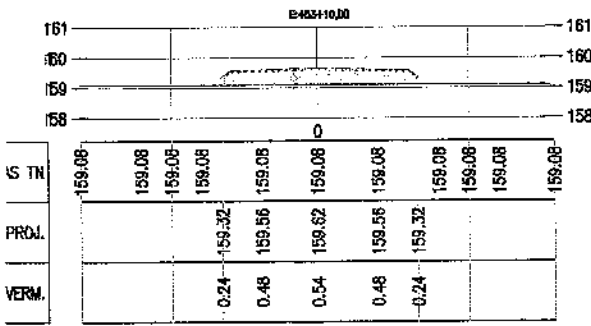
SEÇÕES TRANSVERSAIS

PROJETISTA: CLAUDIO JOSÉ QUEIROZ BARROS - ENG. CIVIL - CREA 13.419/D/CE.

ARQUIVO: 4 - PROJETO TERRAPLANAGEM_TRECHO 01_PARTE 01_R1.DWG

PRANCHA:
16 / 30

ESCALA:
1/250



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(Signature)



PREFEITURA MUNICIPAL DE IRAUÇUBA / CE.

RECUPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA A CE 173 NO DISTRITO DE JUAÍ / IRAUÇUBA-CE
 A COMUNIDADE DE MARACANÁ / IRAUÇUBA-CE

SEÇÕES TRANSVERSAIS

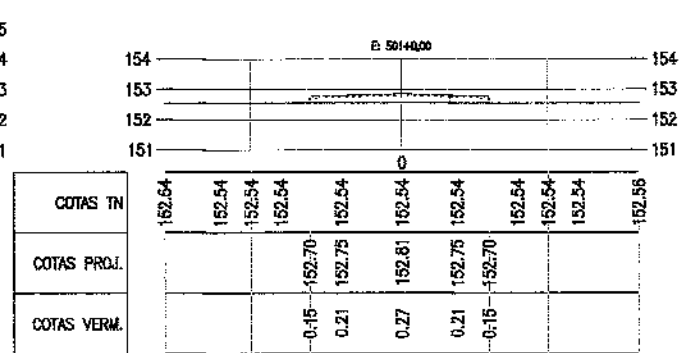
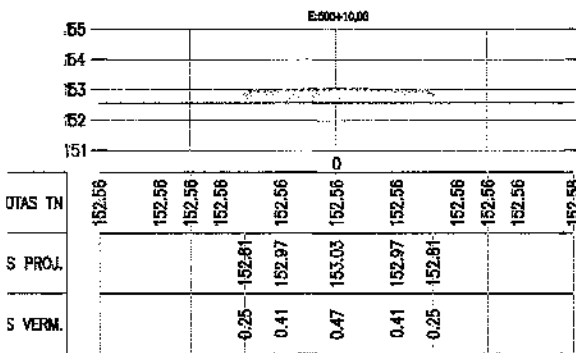
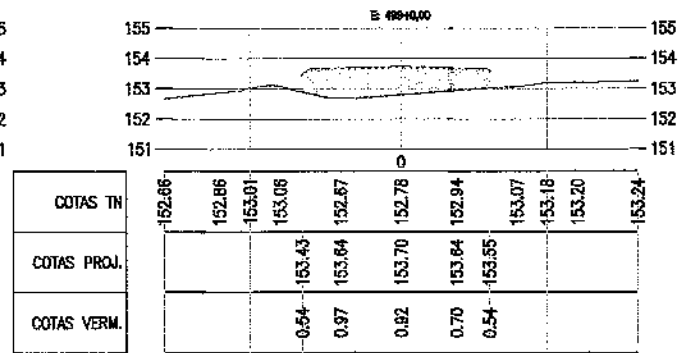
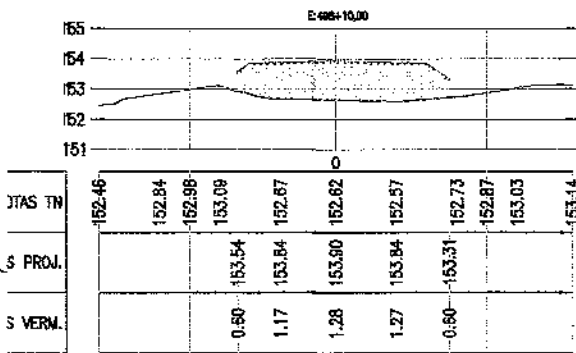
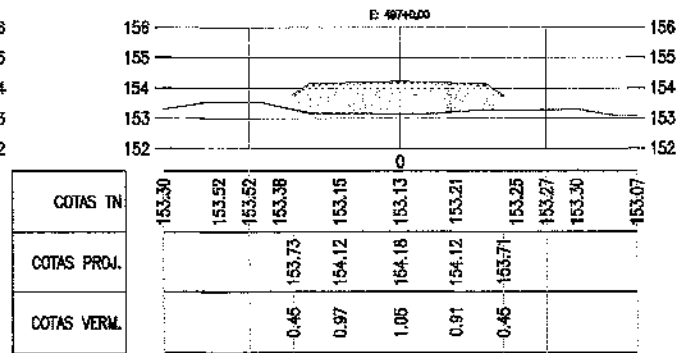
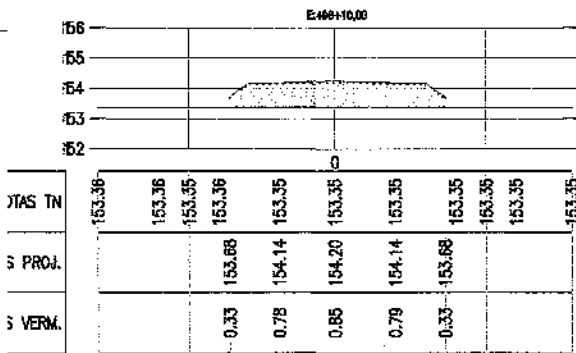
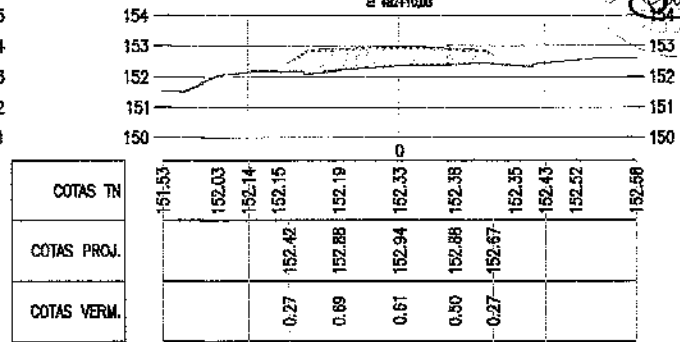
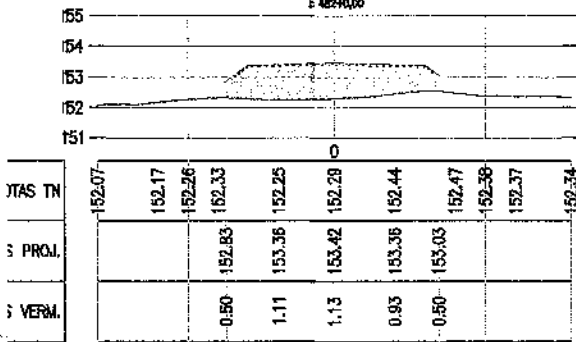
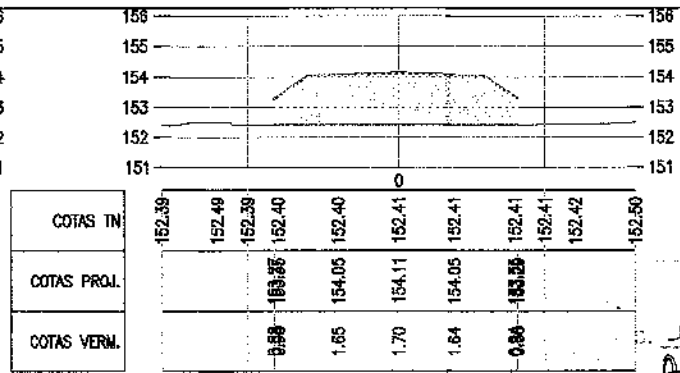
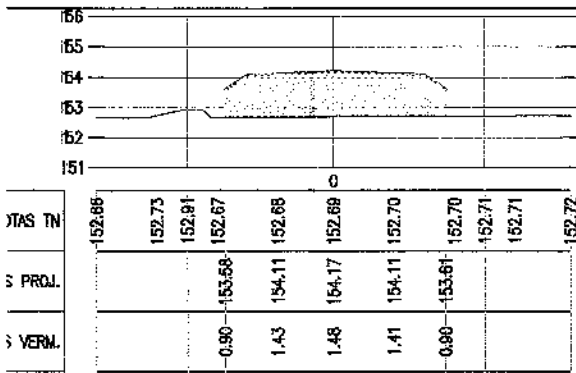
PROJETISTA: CLAUDIO JOSÉ QUEIROZ BARROS - ENG.º CIVIL - CREA 13.419D/CE

ARQUIVO: 4 - PROJETO TERRAPLANAGEM_TRECHO 01_PARTE 01_R1.DWG

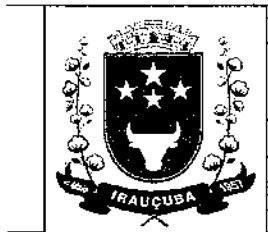
PRANCHA:
17 / 30

ESCALA:
1/250

(Signature)



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PREFEITURA MUNICIPAL DE IRAUÇUBA / CE.

RECIPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA A CE 173 NO DISTRITO DE JIÁ, IRAUÇUBA-CE
 A COMUNIDADE DE MARACANÃ, IRAUÇUBA-CE

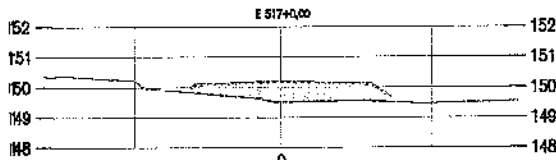
SEÇÕES TRANSVERSAIS

PROJETISTA: CLAUDIO JOSÉ QUEIROZ BARROS - ENG.º CIVIL - CREA 13.418/D/CE.

ARQUIVO: 4 - PROJETO TERREAPLANAGEM_TRECHO 01_PARTE 01_R1.DWG

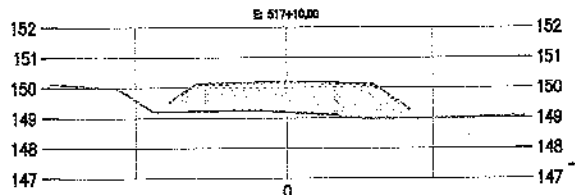
PRANCHA:
18 / 30

ESCALA:
1/250



TAS TN	150,34	150,27	150,18	148,90	148,71	148,48	148,52	148,47	148,45	148,47	148,53
PROJ.											
VERM.			-0,18	150,00	150,10	150,16	150,10	149,87	-0,18		

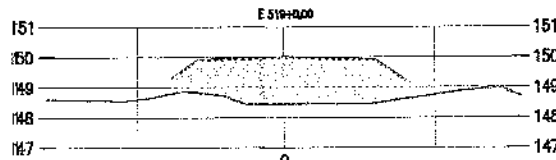
COTAS TN											
COTAS PROJ.											
COTAS VERM.											



TAS TN	150,12	149,98	149,57	148,18	149,22	149,17	149,03	148,98	148,99	149,01	149,05
PROJ.											
VERM.				0,32	148,50	150,12	150,18	150,12	148,98	148,98	148,98

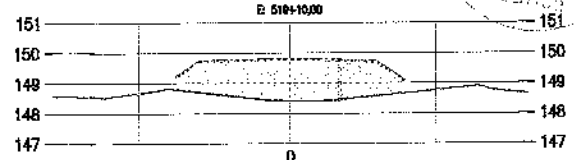
COTAS TN											
COTAS PROJ.											
COTAS VERM.											

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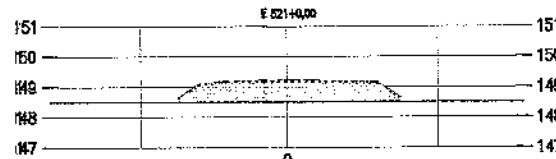
TAS TN	148,90	148,56	148,59	148,76	148,65	148,43	148,43	148,60	148,74	148,66	148,72
PROJ.											
VERM.			-0,52	149,31	149,92	148,43	148,43	148,60	148,74	148,66	148,72

COTAS TN											
COTAS PROJ.											
COTAS VERM.											



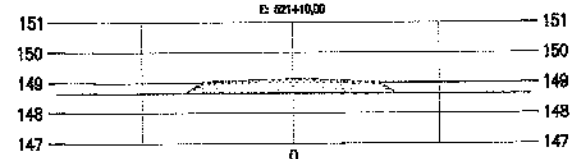
TAS TN	148,57	148,54	148,60	148,80	148,57	148,40	148,46	148,66	148,76	148,86	148,65
PROJ.											
VERM.				0,45	149,22	149,74	148,80	148,74	148,46	148,66	148,65

COTAS TN											
COTAS PROJ.											
COTAS VERM.											



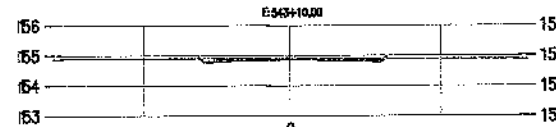
TAS TN	148,50	148,50	148,50	148,50	148,50	148,50	148,50	148,50	148,50	148,50	148,50
PROJ.											
VERM.			-0,11	148,61	148,14	149,20	148,50	148,50	148,50	148,50	148,50

COTAS TN											
COTAS PROJ.											
COTAS VERM.											



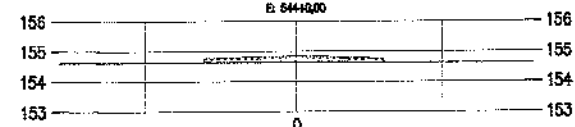
TAS TN	148,64	148,64	148,64	148,64	148,64	148,63	148,63	148,63	148,63	148,63	148,65
PROJ.											
VERM.				-0,05	148,68	149,02	148,63	148,63	148,63	148,63	148,65

COTAS TN											
COTAS PROJ.											
COTAS VERM.											



TAS TN	154,87	154,88	154,88	154,88	154,88	154,88	154,88	154,88	154,88	154,88	154,88
PROJ.											
VERM.			0,02	154,91	154,92	154,88	154,88	154,88	154,88	154,88	154,88

COTAS TN											
COTAS PROJ.											
COTAS VERM.											



TAS TN	154,61	154,62	154,62	154,62	154,62	154,62	154,62	154,62	154,62	154,62	154,62
PROJ.											
VERM.			-0,08	154,70	154,75	154,62	154,62	154,62	154,62	154,62	154,62

COTAS TN											
COTAS PROJ.											
COTAS VERM.											



PREFEITURA MUNICIPAL DE IRAUCUBA / CE.

RECIPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA A CE 173 NO DISTRITO DE JUÁ / IRAUCUBA-CE
 A COMUNIDADE DE MARACANÁ / IRAUCUBA-CE

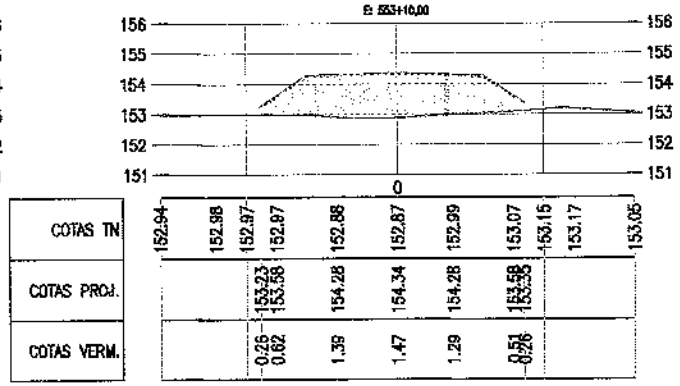
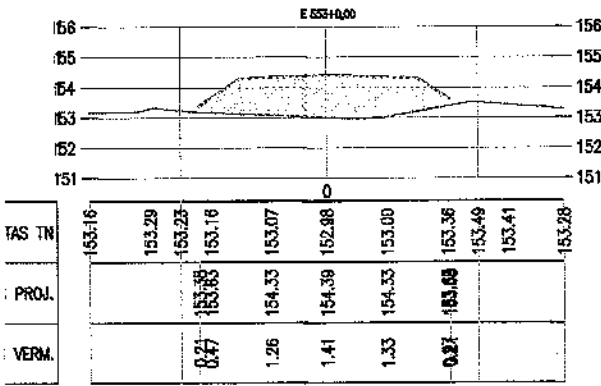
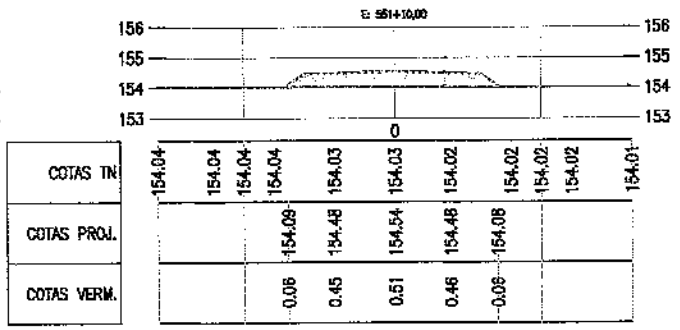
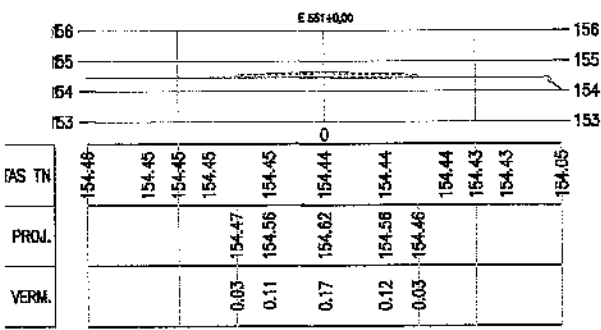
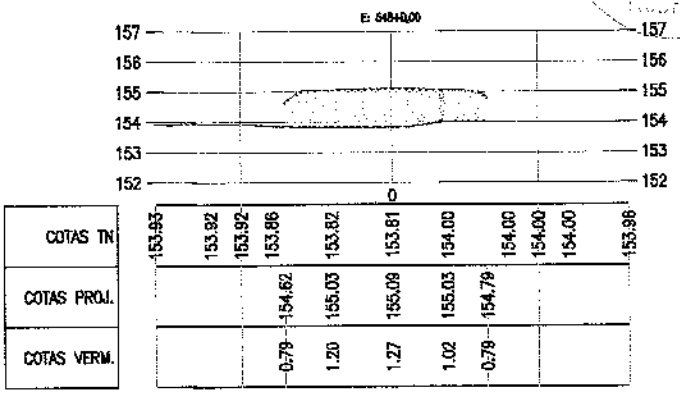
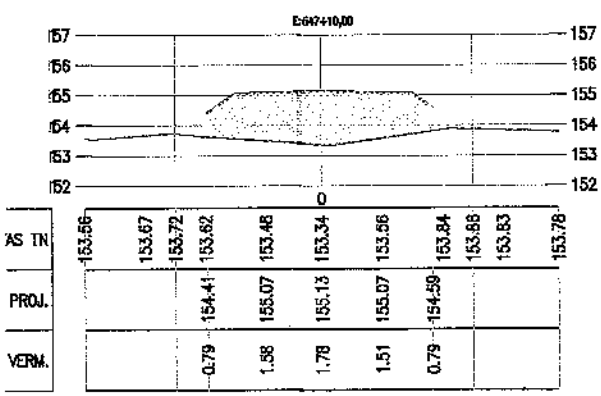
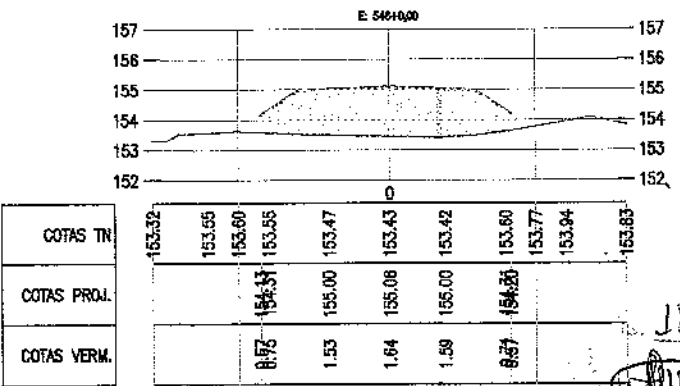
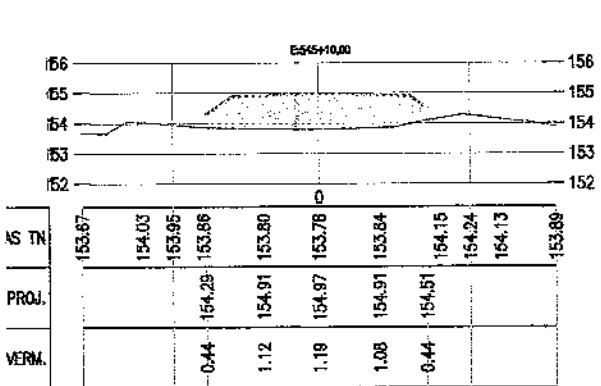
SEÇÕES TRANSVERSAIS

PROJETISTA: CLAUDIO JOSÉ QUEIROZ BARROS - ENG.º CIVIL - CREA 13.419/D/CE

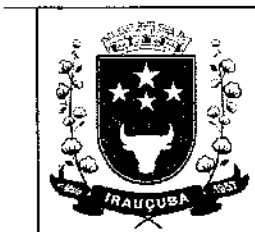
ARQUIVO: 4 - PROJETO TERRAPLANAGEM_TRECHO 01_PARTE 01_R1.DWG

PRANCHA:
19 / 30

ESCALA:
1/250



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PREFEITURA MUNICIPAL DE IRAUÇUBA / CE.

RECIPERAÇÃO E ADEQUAÇÃO DA ESTRADA QUE LIGA A CE 173 NO DISTRITO DE JIÁ / IRAUÇUBA-CE
 A COMUNIDADE DE MARACAN / IRAUÇUBA-CE

SEÇÕES TRANSVERSAIS

PROJETISTA: CLAUDIO JOSÉ QUEIROZ BARROS - ENG. CIVIL - CREA 13.419/D/CE.

ARQUIVO: 4 - PROJETO TERRAPLANAGEM_TRECHO 01_PARTE 01_R1.DWG

PRANCHA:
20 / 30

ESCALA:
 1/250