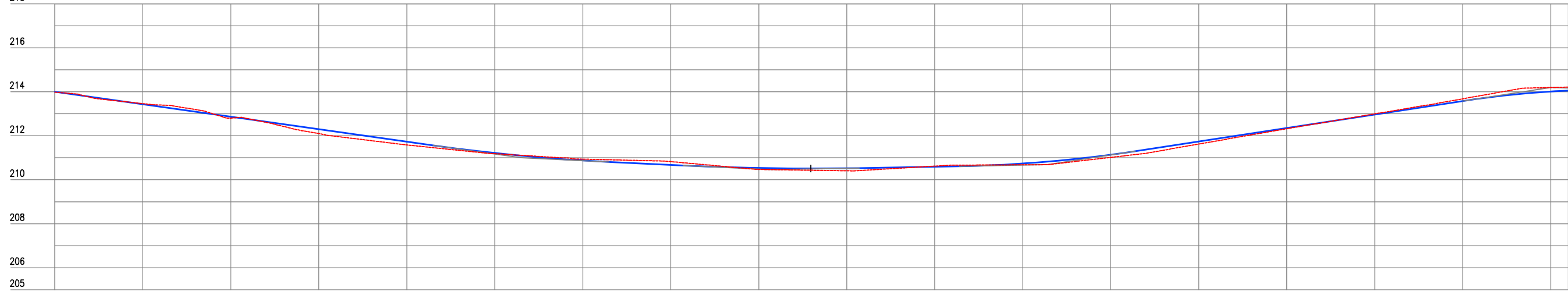
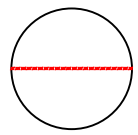


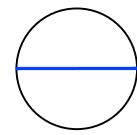
TRECHO 01



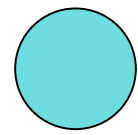
Estaca	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Cota do terreno	213,986	213,462	212,804	212,102	211,584	211,186	210,838	210,826	210,469	210,409	210,621	210,681	211,017	211,624	212,317	212,996	213,681	214,194	214,212
Cota da terraplenagem	213,986	213,462	212,804	212,102	211,584	211,186	210,838	210,826	210,469	210,409	210,621	210,681	211,017	211,624	212,317	212,996	213,681	214,194	214,212
Cota vertical	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000



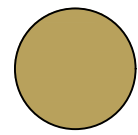
TERRENO NATURAL



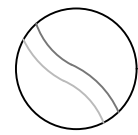
PROJETADO



ATERRO



CORTE



CURVAS DE NÍVEL

*Arthur Moreira Torquato*  
**JOTA BARROS PROJETOS**  
 Arthur Moreira Torquato  
 Engº Civil - CREA 539000 - CE



PREFEITURA MUNICIPAL DE MILHÃ

RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE

**ESTAQUEAMENTO E PERFIL LONGITUDINAL**

PROJETISTA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE

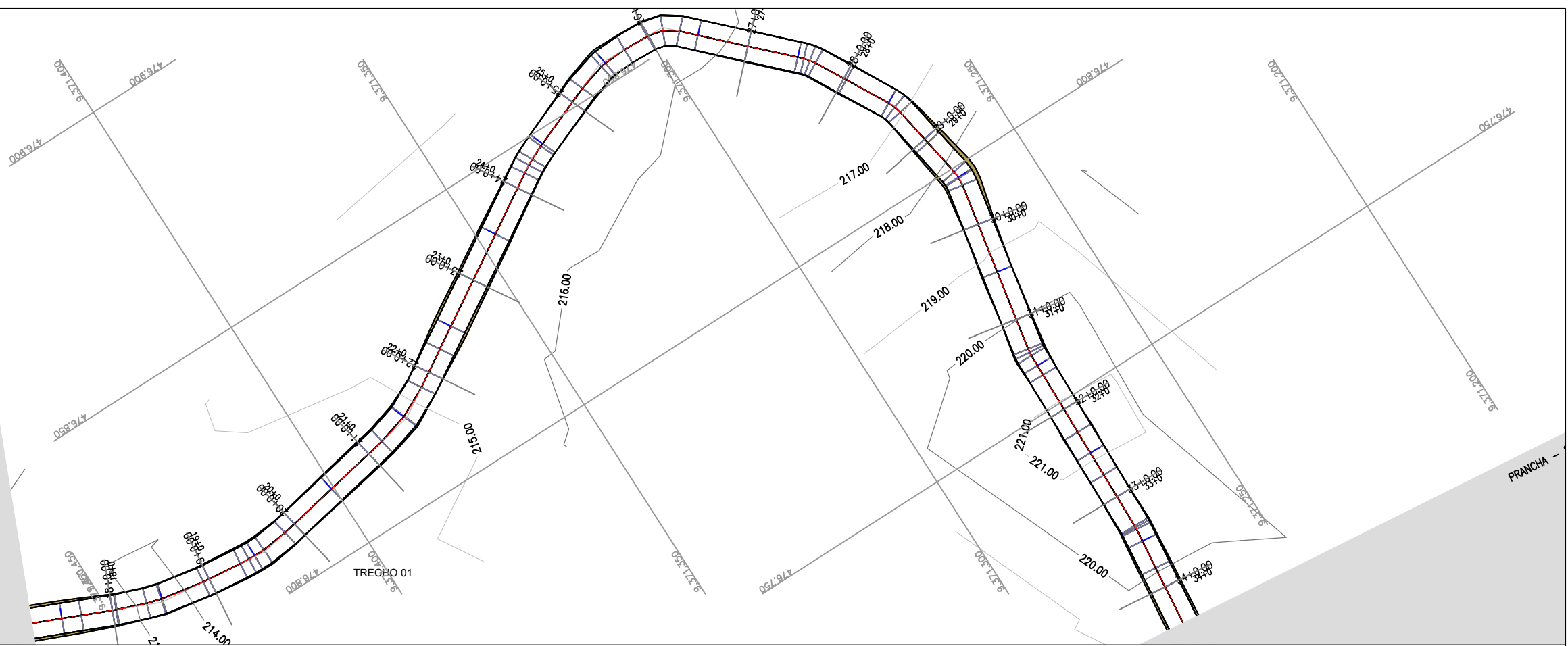
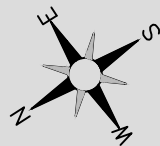
ARQUIVO: BOM ACERTO A MONTE BELO - GEO.DWG

PRANCHA:

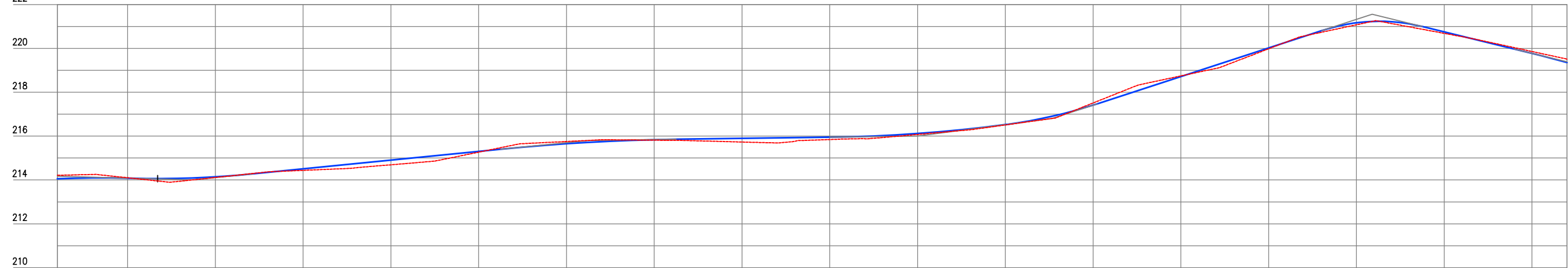
**1 / 21**

ESCALA:

**1/1000**



TRECHO 01



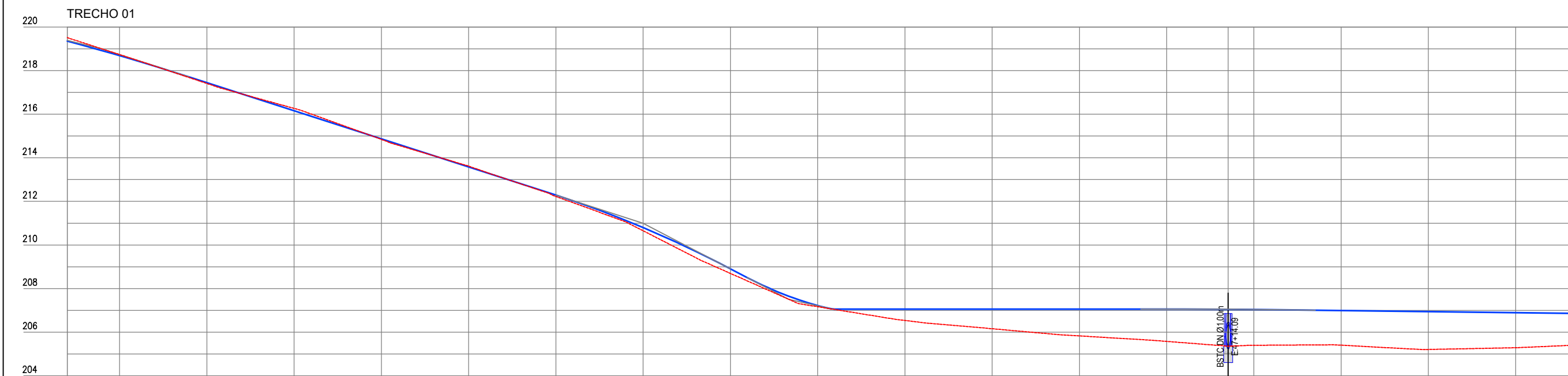
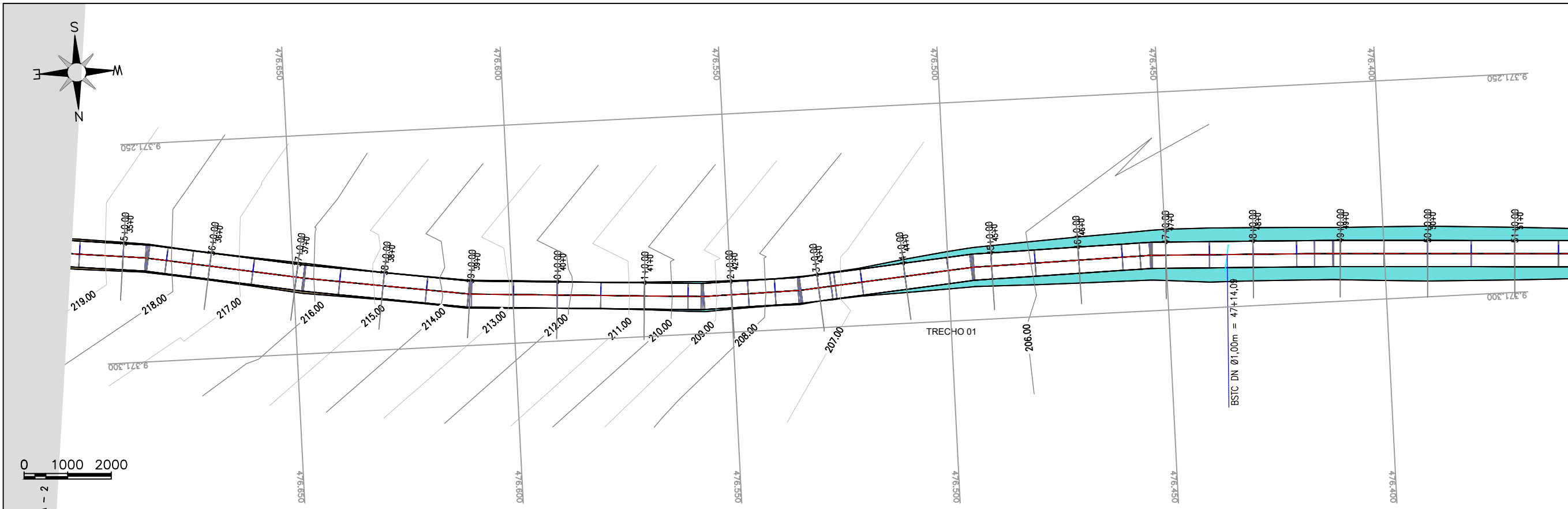
Estaca	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	34
Cota do terreno	214,212	214,101	214,112	214,438	214,691	215,267	215,753	215,813	215,730	215,841	216,075	216,508	217,510	218,744	219,981	221,075	220,884	219,859	219,511
Cota da terraplenagem	214,212	214,101	214,112	214,438	214,691	215,267	215,753	215,813	215,730	215,841	216,075	216,508	217,510	218,744	219,981	221,075	220,884	219,859	219,511
Cota vermelha	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

**JOTA BARROS PROJETOS**  
 Arthur Moreira Torquato  
 Engº Civil - CREA 539000 - CE



PREFEITURA MUNICIPAL DE MILHÃ	
RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE	
<b>ESTAQUEAMENTO E PERFIL LONGITUDINAL</b>	
PROJETISTA:	ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE
ARQUIVO:	BOM ACERTO A MONTE BELO - GEO.DWG

PRANCHA:  
**2 / 21**  
 ESCALA:  
**1/1000**



Estaca	Cota do terreno	Cota da terraplenagem	Cota vermeto
34	219,511	219,511	0,000
35	218,734	218,734	0,000
36	217,410	217,410	0,000
37	216,285	216,285	0,000
38	214,845	214,845	0,000
39	213,621	213,621	0,000
40	212,228	212,228	0,000
41	210,653	210,653	0,000
42	208,698	208,698	0,000
43	207,170	207,170	0,000
44	206,540	206,540	0,000
45	206,161	206,161	0,000
46	205,831	205,831	0,000
47	205,579	205,579	0,000
47+14,09	205,361	205,361	0,000
48	205,401	205,401	0,000
49	205,405	205,405	0,000
50	205,209	205,209	0,000
51	205,289	205,289	0,000
51	205,401	205,401	0,000

TERRENO NATURAL

PROJETADO

ATERRO

CORTE

CURVAS DE NÍVEL

JOTA BARROS PROJETOS  
Arthur Moreira Torquato  
Engº Civil - CREA 53900D - CE



PREFEITURA MUNICIPAL DE MILHÃ

RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE

**ESTAQUEAMENTO E PERFIL LONGITUDINAL**

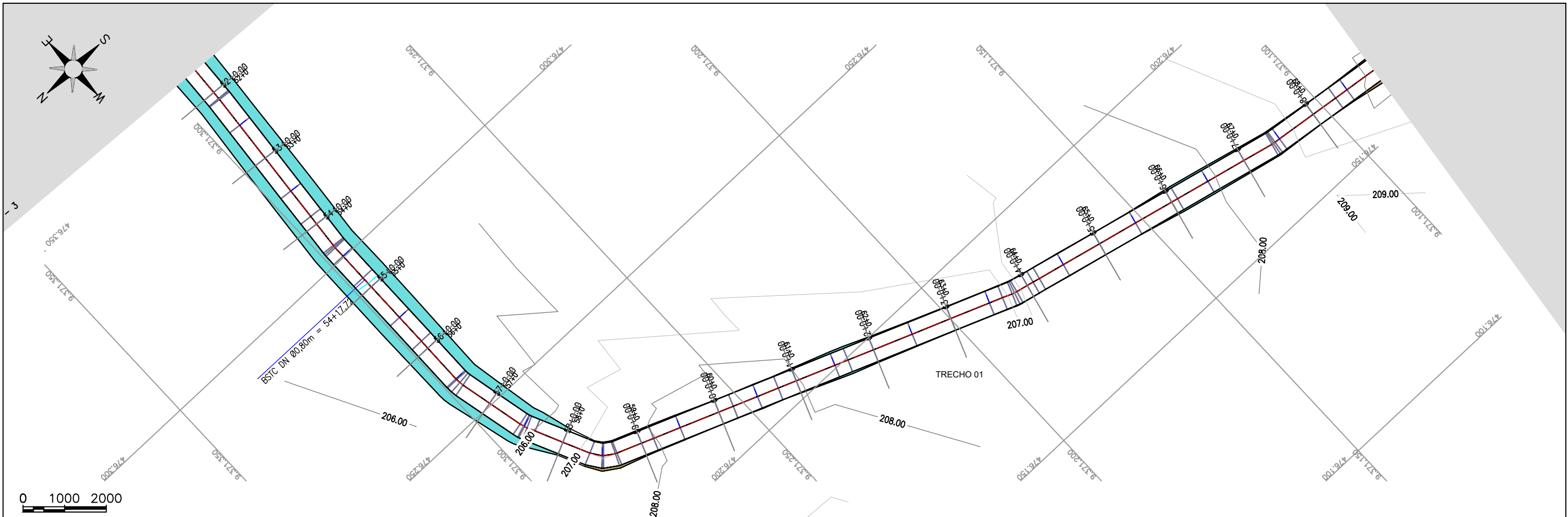
PROJETISTA:	ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE
ARQUIVO:	BOM ACERTO A MONTE BELO - GEO.DWG

PRANCHA:

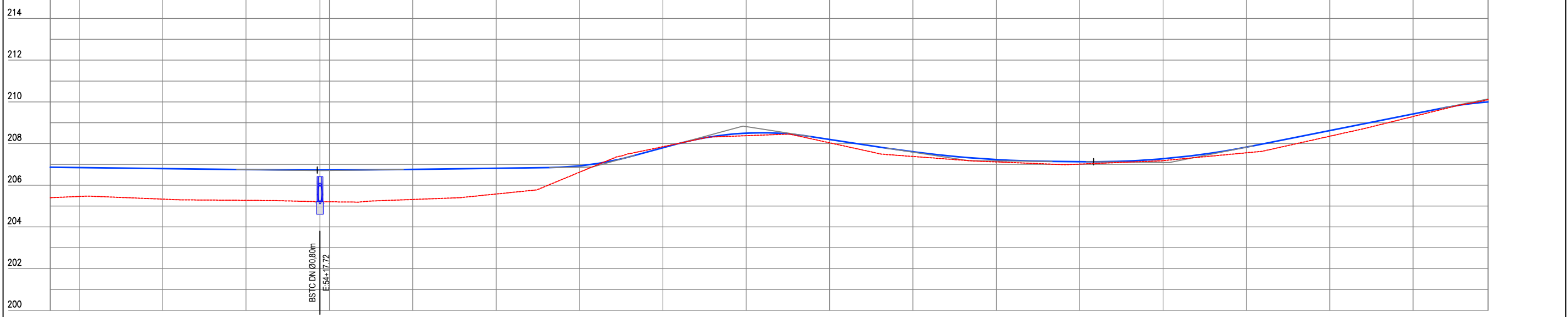
3 / 21

ESCALA:

1/1000

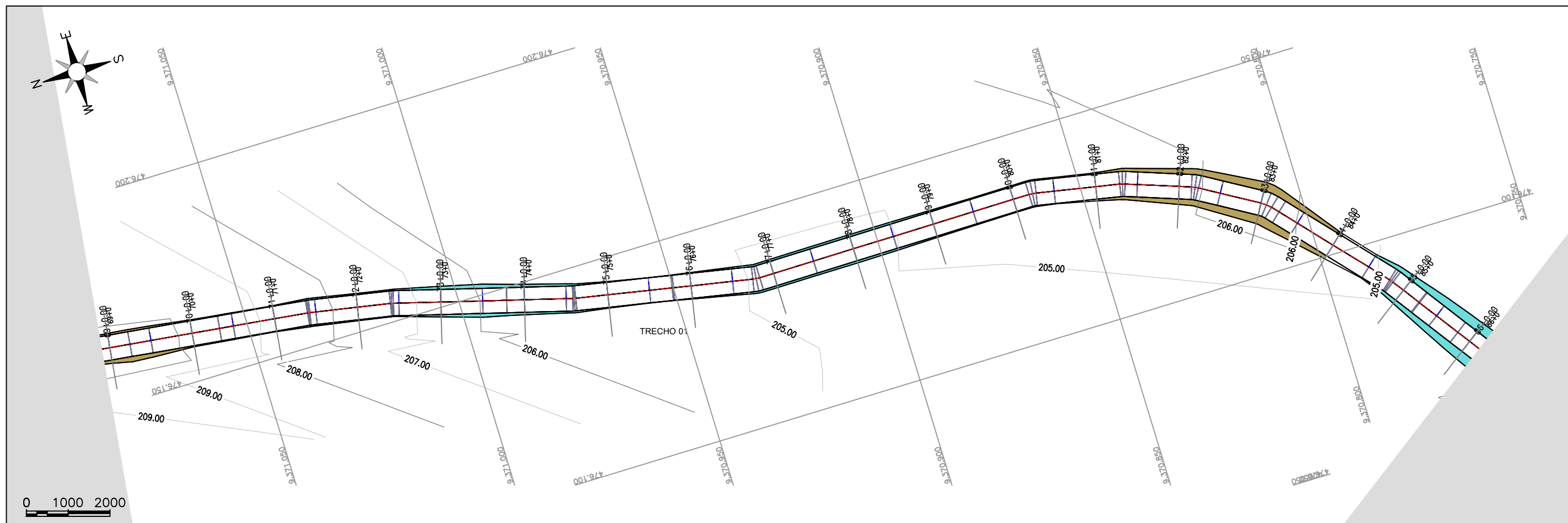


TRECHO 01

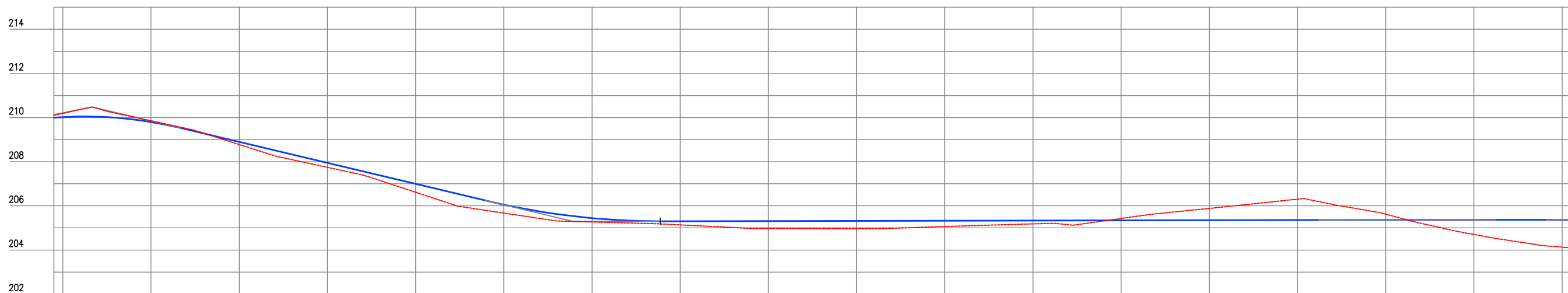


Estaca	51	52	53	54	54+17.72	55	56	57	58	59	60	61	62	63	64	65	66	67	68	
Cota do terreno	205.401	205.462	205.333	205.274	205.210	205.205	205.317	205.579	206.625	207.849	208.377	208.035	207.380	207.118	207.015	207.181	207.556	208.351	209.297	210.103
Cota da terraplenagem	205.401	205.462	205.333	205.274	205.210	205.205	205.317	205.579	206.625	207.849	208.377	208.035	207.380	207.118	207.015	207.181	207.556	208.351	209.297	210.103
Cota vermelha	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

<p>TERRENO NATURAL    PROJETADO    ATERRO    CORTE    CURVAS DE NÍVEL</p>	 <b>JOTA BARROS PROJETOS</b> Arthur Moreira Torquato Engº Civil - CREA 539000 - CE	<p><b>JOTA BARROS PROJETOS</b></p>	<p>PREFEITURA MUNICIPAL DE MILHÃ</p> <p>RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE</p> <p><b>ESTAQUEAMENTO E PERFIL LONGITUDINAL</b></p> <p>PROJETISTA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE</p> <p>ARQUIVO: BOM ACERTO A MONTE BELO - GEO.DWG</p>	<p>PRANCHA:</p> <p><b>4 / 21</b></p> <p>ESCALA:</p> <p><b>1/1000</b></p>
---	---	------------------------------------	---	--



TRECHO 01



Estaca	Cota do terreno	Cota da verificação	Cota da verificação - Cota do terreno
68	210,103	209,996	-0,107
69	210,191	210,022	-0,169
70	209,853	209,799	-0,055
71	208,779	208,896	0,116
72	207,746	207,945	0,200
73	206,617	206,994	0,377
74	205,673	206,054	0,382
75	205,270	205,444	0,174
76	205,137	205,303	0,166
77	204,978	205,310	0,332
78	204,963	205,318	0,354
79	205,063	205,325	0,263
80	205,183	205,333	0,150
81	205,428	205,340	-0,088
82	205,885	205,348	-0,537
83	206,304	205,355	-0,948
84	205,623	205,362	-0,261
85	204,704	205,364	0,660
86	204,128	205,363	1,235
86	204,079	205,359	1,280

TERRENO NATURAL    PROJETADO    ATERRO    CORTE    CURVAS DE NÍVEL

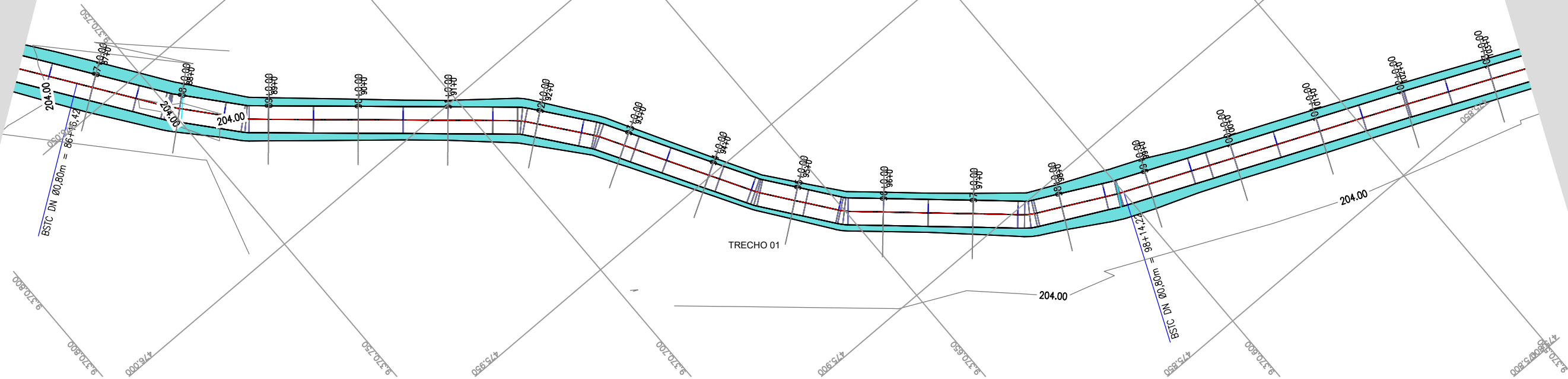
**JOTA BARROS PROJETOS**  
 Arthur Moreira Torquato  
 Engº Civil - CREA 539000 - CE



PREFEITURA MUNICIPAL DE MILHÃ  
 RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE

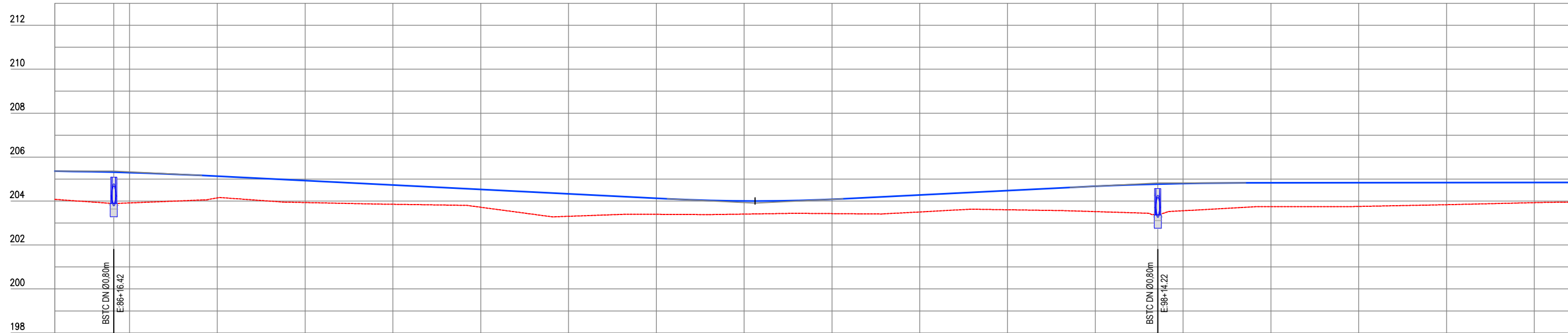
**ESTAQUEAMENTO E PERFIL LONGITUDINAL**  
 PROJETISTA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE  
 ARQUIVO: BOM ACERTO A MONTE BELO - GEO.DWG

PRANCHA:  
**5 / 21**  
 ESCALA:  
 1/1000

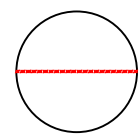


0 1000 2000

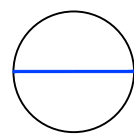
TRECHO 01



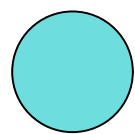
Cota vermetria	Cota da topografia	Cota do terreno	Estaca
0,000	204,079	204,079	86
0,000	203,886	203,886	86+16,42
0,000	203,915	203,915	87
0,000	204,141	204,141	88
0,000	203,933	203,933	89
0,000	203,853	203,853	90
0,000	203,719	203,719	91
0,000	203,306	203,306	92
0,000	203,396	203,396	93
0,000	203,407	203,407	94
0,000	203,429	203,429	95
0,000	203,504	203,504	96
0,000	203,604	203,604	97
0,000	203,520	203,520	98
0,000	203,369	203,369	98+14,22
0,000	203,559	203,559	99
0,000	203,744	203,744	100
0,000	203,755	203,755	101
0,000	203,834	203,834	102
0,000	203,928	203,928	103
0,000	203,954	203,954	103



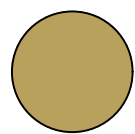
TERRENO NATURAL



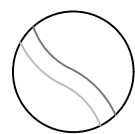
PROJETADO



ATERRO



CORTE



CURVAS DE NÍVEL

*Arthur Moreira Torquato*  
**JOTA BARROS PROJETOS**  
 Arthur Moreira Torquato  
 Engº Civil - CREA 539000 - CE



PREFEITURA MUNICIPAL DE MILHÃ

RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE

**ESTAQUEAMENTO E PERFIL LONGITUDINAL**

PROJETISTA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE

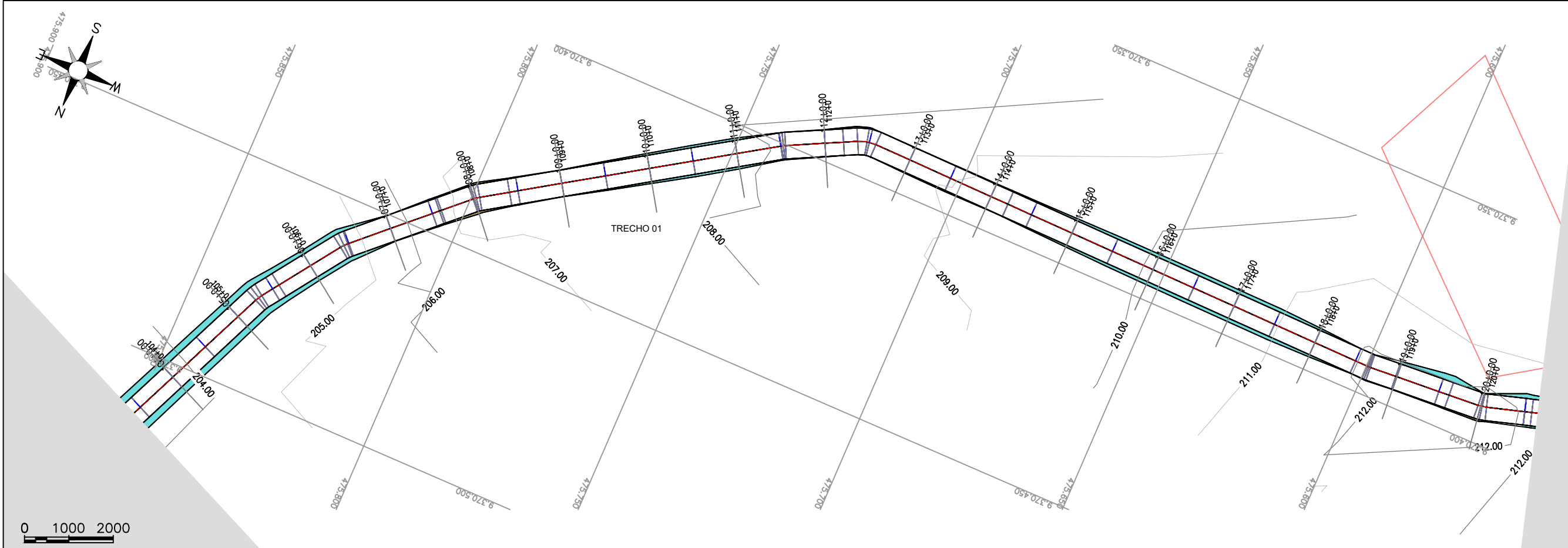
ARQUIVO: BOM ACERTO A MONTE BELO - GEO.DWG

PRANCHA:

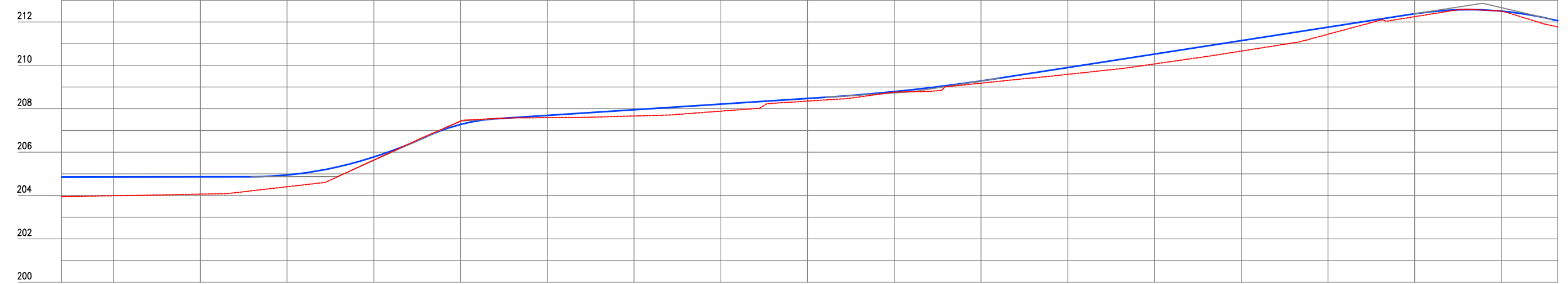
**6 / 21**

ESCALA:

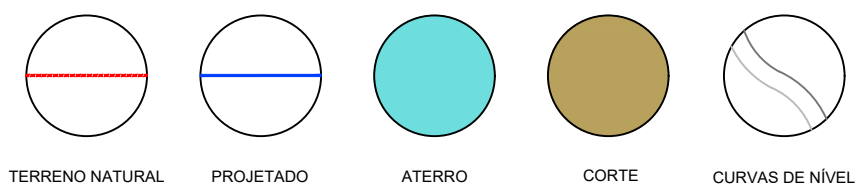
**1/1000**



TRECHO 01



Estaca	Cota do terreno	Cota da terraplenagem	Cota vermelha
103	203,954	203,988	0,000
104	203,988	203,988	0,000
105	204,063	204,063	0,000
106	204,405	204,405	0,000
107	205,635	205,635	0,000
108	207,429	207,429	0,000
109	207,589	207,589	0,000
110	207,667	207,667	0,000
111	207,890	207,890	0,000
112	208,353	208,353	0,000
113	208,765	208,765	0,000
114	209,180	209,180	0,000
115	209,587	209,587	0,000
116	210,066	210,066	0,000
117	210,659	210,659	0,000
118	211,435	211,435	0,000
119	212,246	212,246	0,000
120	212,498	212,498	0,000
120	211,776	211,776	0,000

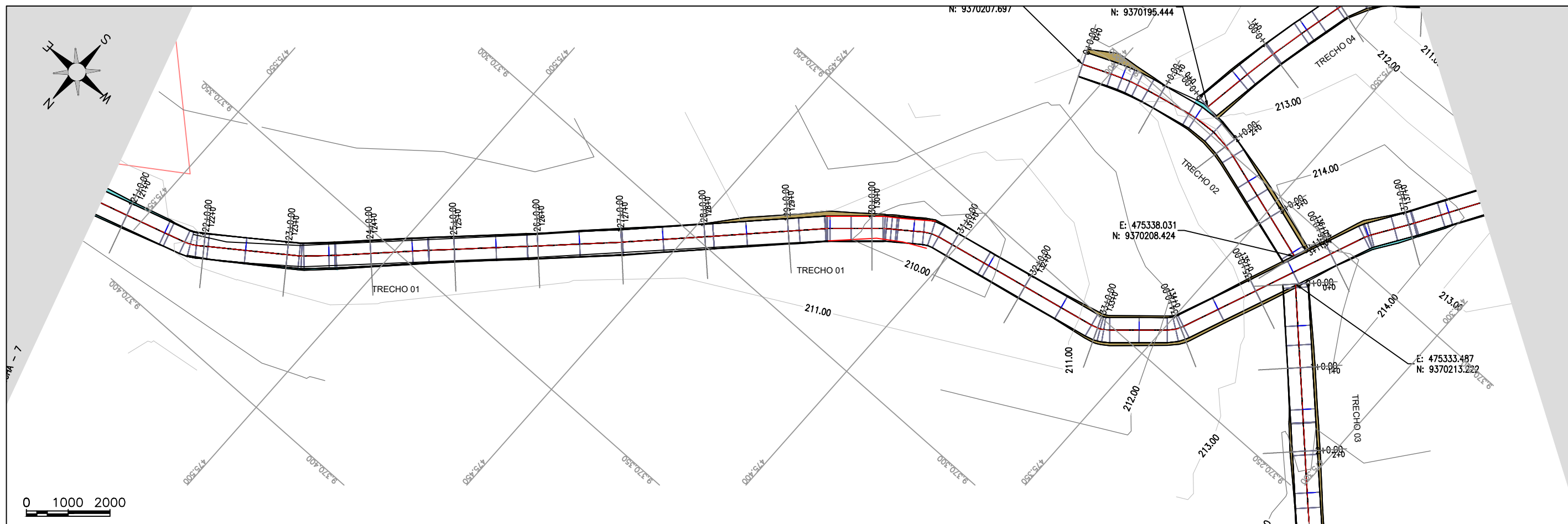


  
**JOTA BARROS PROJETOS**  
 Arthur Moreira Torquato  
 Engº Civil - CREA 53900D - CE

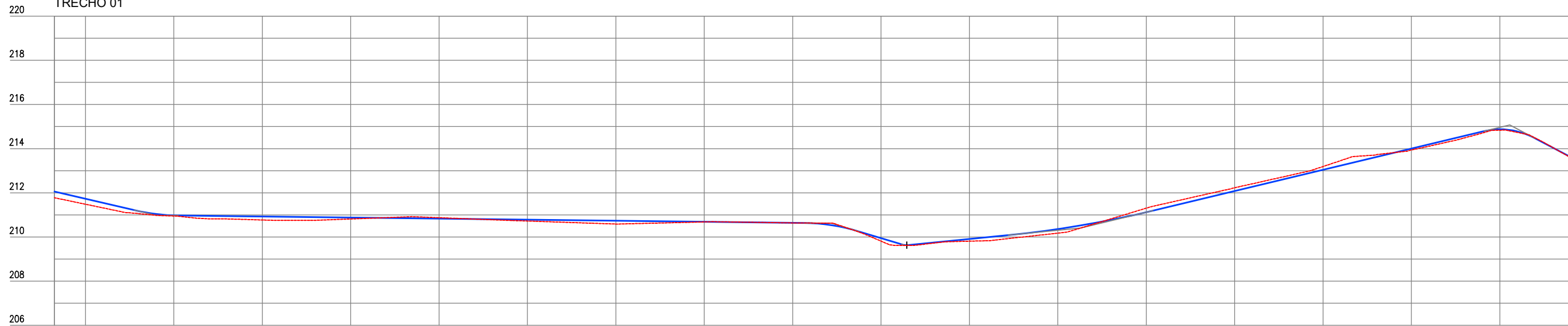


PREFEITURA MUNICIPAL DE MILHÃ	
RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE	
<b>ESTAQUEAMENTO E PERFIL LONGITUDINAL</b>	
PROJETISTA:	ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE
ARQUIVO:	BOM ACERTO A MONTE BELO - GEO.DWG

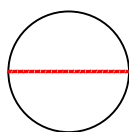
PRANCHA:  
**7 / 21**  
 ESCALA:  
**1/1000**



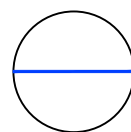
TRECHO 01



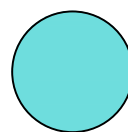
Estaca	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	
Cota do terreno	211,776	211,483	210,949	210,771	210,816	210,873	210,723	210,586	210,682	210,637	209,813	209,810	210,175	211,306	212,227	213,190	213,941	214,837	213,366
Cota da terraplenagem	211,776	211,483	210,949	210,771	210,816	210,873	210,723	210,586	210,682	210,637	209,813	209,810	210,175	211,306	212,227	213,190	213,941	214,837	213,366
Cota vermelha	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000



TERRENO NATURAL



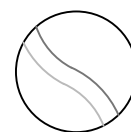
PROJETADO



ATERRO



CORTE



CURVAS DE NÍVEL

*Arthur Moreira Torquato*  
**JOTA BARROS PROJETOS**  
 Arthur Moreira Torquato  
 Engº Civil - CREA 539000 - CE



PREFEITURA MUNICIPAL DE MILHÃ  
 RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE

**ESTAQUEAMENTO E PERFIL LONGITUDINAL**

PROJETISTA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE  
 ARQUIVO: BOM ACERTO A MONTE BELO - GEO.DWG

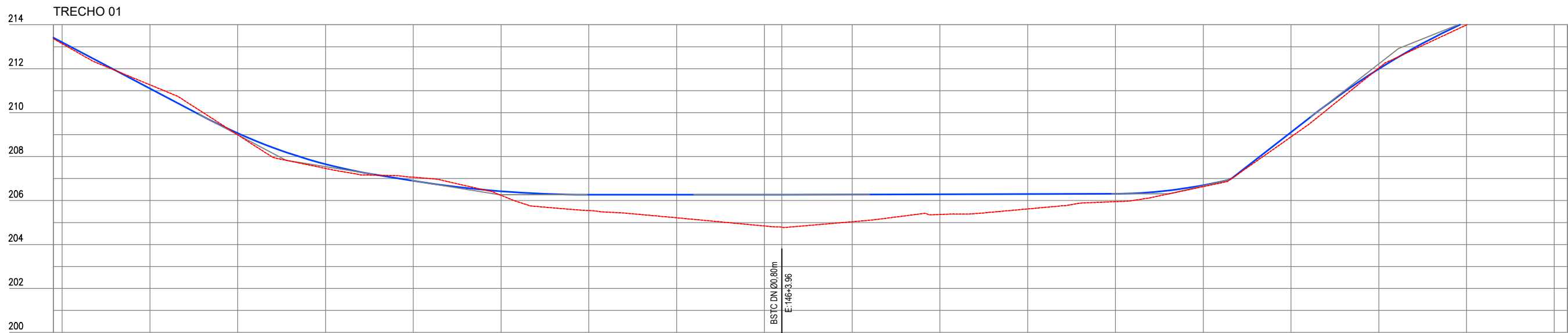
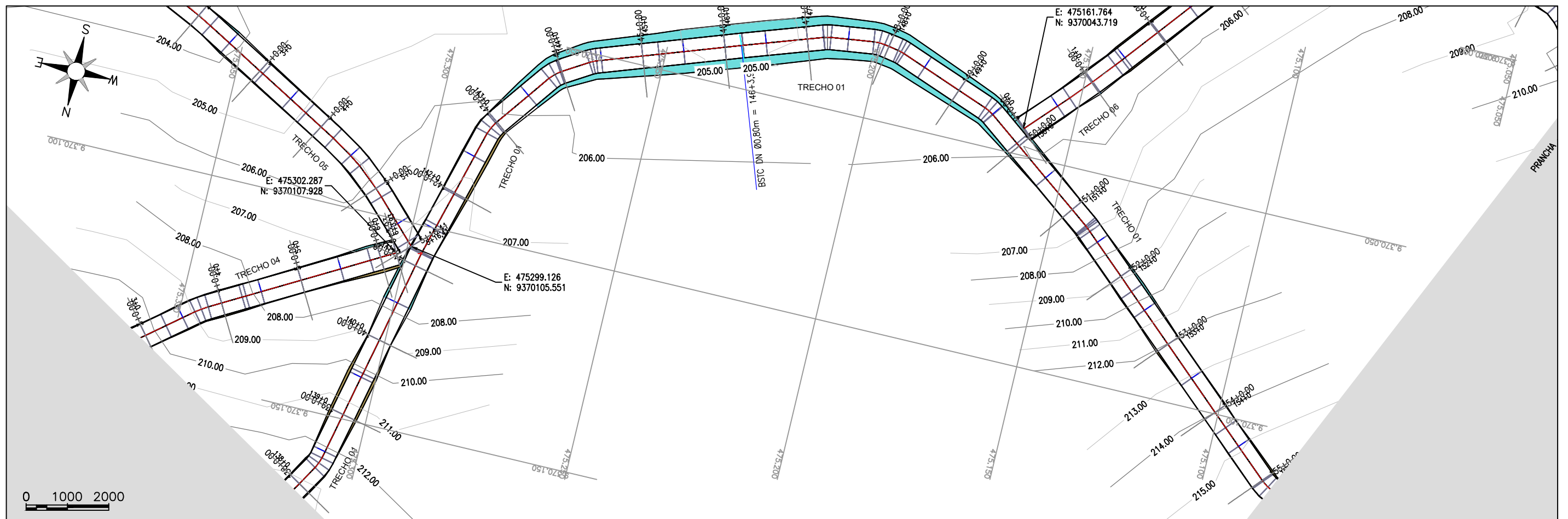
PRANCHA:

**8 / 21**

ESCALA:

1/1000





Estaca	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	
Cota de terreno	213,366	213,159	211,267	209,989	207,464	207,063	206,236	205,543	205,216	204,842	205,036	205,366	205,619	205,951	206,634	208,897	212,031	213,993	215,744	215,984
Cota de terraplenagem	213,413	213,203	211,097	209,066	207,654	206,899	206,422	205,267	206,267	206,268	206,269	206,285	206,295	206,306	206,697	208,109	211,991	214,131	215,739	215,978
Cota vermêlia	0,047	0,044	-0,170	0,076	0,190	-0,165	0,185	0,723	1,051	1,426	1,473	0,919	0,676	0,355	0,062	0,211	-0,040	0,138	-0,004	-0,016

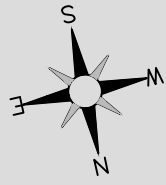
**JOTA BARROS PROJETOS**  
 Arthur Moreira Torquato  
 Engº Civil - CREA 539000 - CE



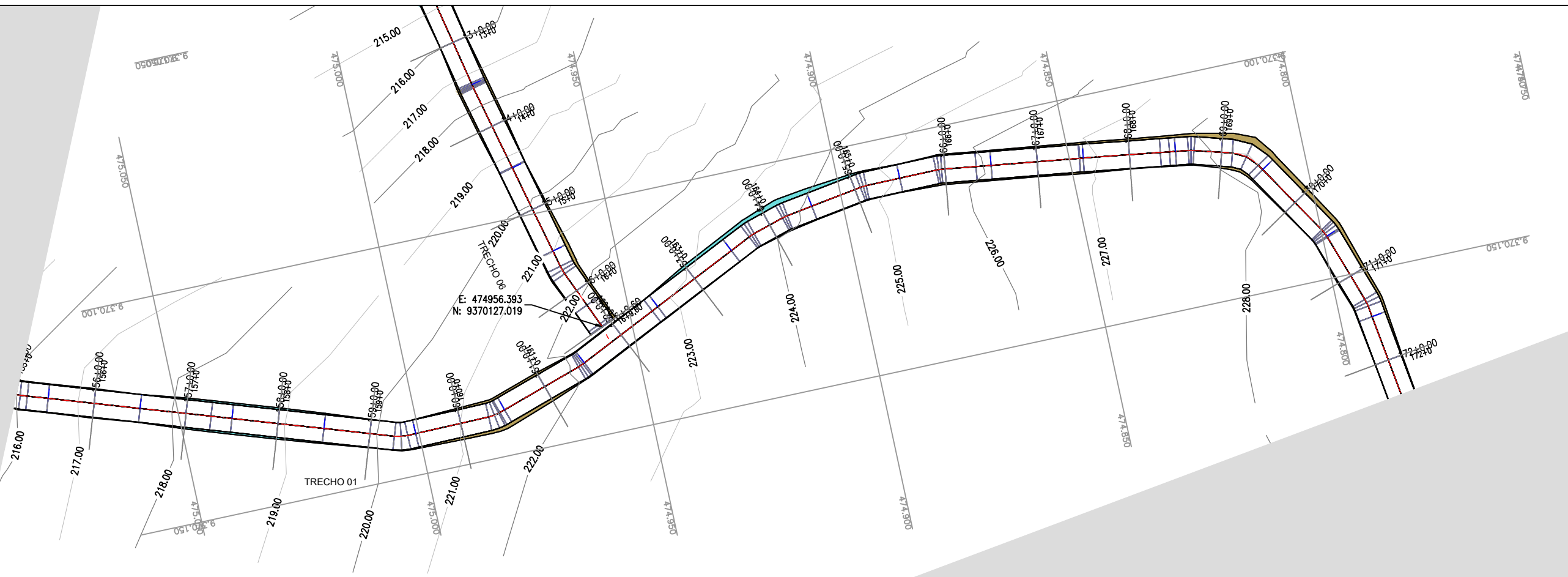
**PREFEITURA MUNICIPAL DE MILHÃ**  
**RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE**  
**ESTAQUEAMENTO E PERFIL LONGITUDINAL**

PROJETA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE  
 ARQUIVO: BOM ACERTO A MONTE BELO - GEO.DWG

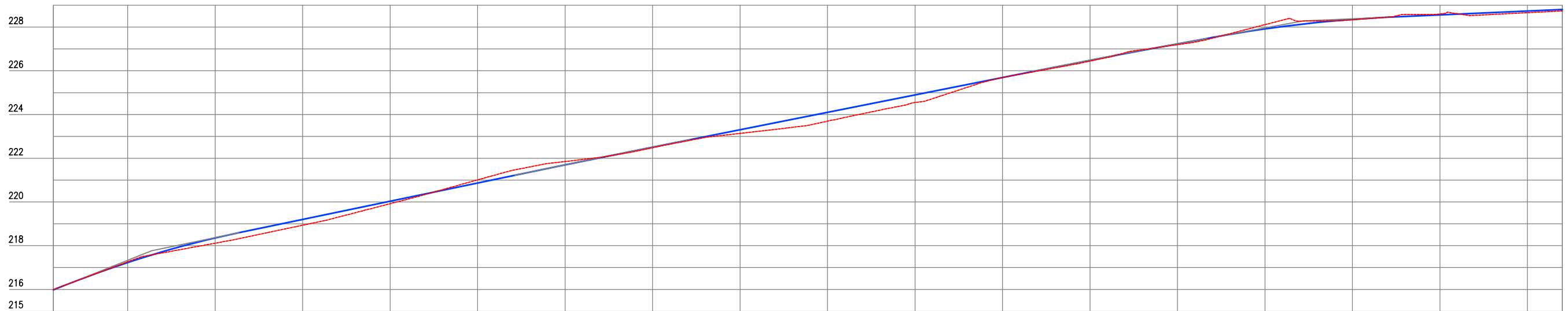
PRANCHA:  
**9 / 21**  
 ESCALA:  
**1/1000**



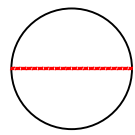
0 1000 2000  
PRANCHA - 9



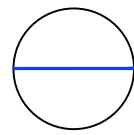
TRECHO 01



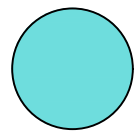
Estaca	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	
Cota do terreno	215,994	217,262	218,112	218,936	219,920	221,009	221,849	222,480	223,136	223,698	224,551	225,687	226,444	227,194	228,113	228,334	228,601	228,660	228,740
Cota da terraplenagem	215,978	217,228	218,353	219,200	220,032	220,864	221,694	222,507	223,304	224,100	224,896	225,682	226,480	227,235	227,918	228,352	228,555	228,733	228,804
Cota vermelha	-0,016	-0,033	0,241	0,264	0,112	-0,145	-0,155	0,027	0,168	0,402	0,345	-0,005	0,036	0,040	-0,194	0,018	-0,046	0,073	0,064



TERRENO NATURAL



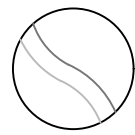
PROJETADO



ATERRO



CORTE



CURVAS DE NÍVEL

*Arthur Moreira Torquato*  
JOTA BARROS PROJETOS  
Arthur Moreira Torquato  
Engº Civil - CREA 539000 - CE



PREFEITURA MUNICIPAL DE MILHÃ

RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE

ESTAQUEAMENTO E PERFIL LONGITUDINAL

PROJETISTA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE

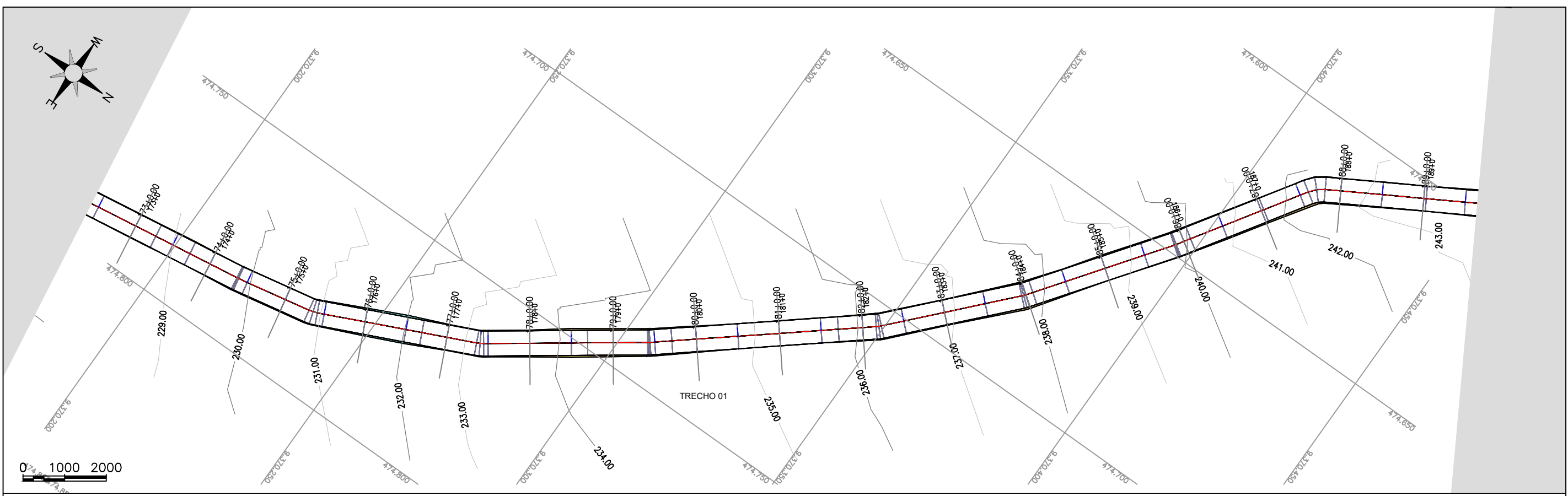
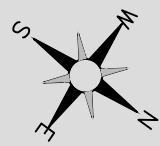
ARQUIVO: BOM ACERTO A MONTE BELO - GEO.DWG

PRANCHA:

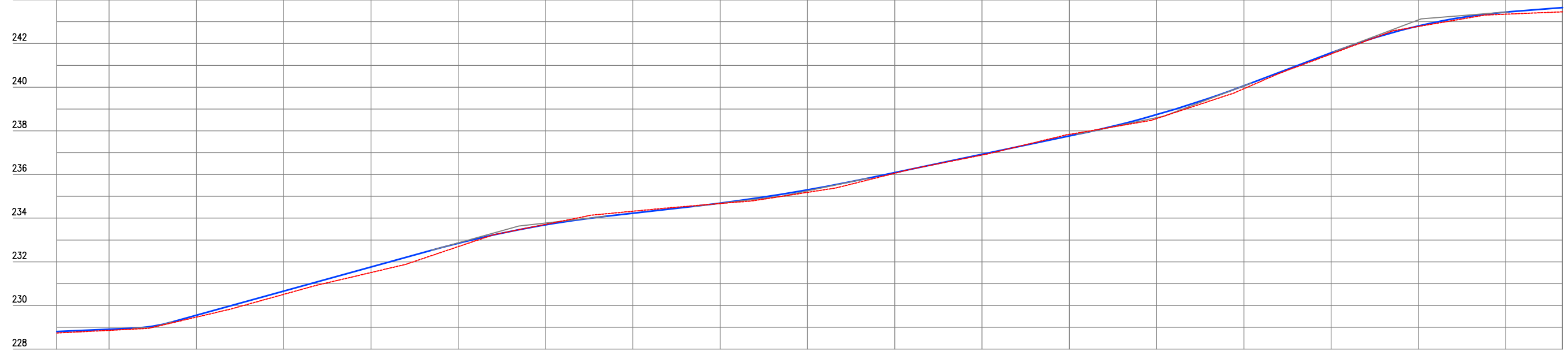
10 / 21

ESCALA:

1/1000



TRECHO 01



Estaca	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	
Cota do terreno	228,740	228,662	229,468	230,510	231,510	232,697	233,717	234,317	234,670	235,182	236,057	236,892	237,840	238,561	239,930	241,522	242,763	243,345	243,453
Cota da terraplenagem	228,804	228,911	229,553	230,658	231,763	232,854	233,696	234,228	234,689	235,295	236,096	236,925	237,764	238,744	240,080	241,573	242,806	243,439	243,644
Cota vermelha	0,064	0,050	0,085	0,148	0,254	0,156	-0,021	-0,090	0,019	0,113	0,029	0,033	-0,076	0,183	0,131	0,052	0,023	0,094	0,191

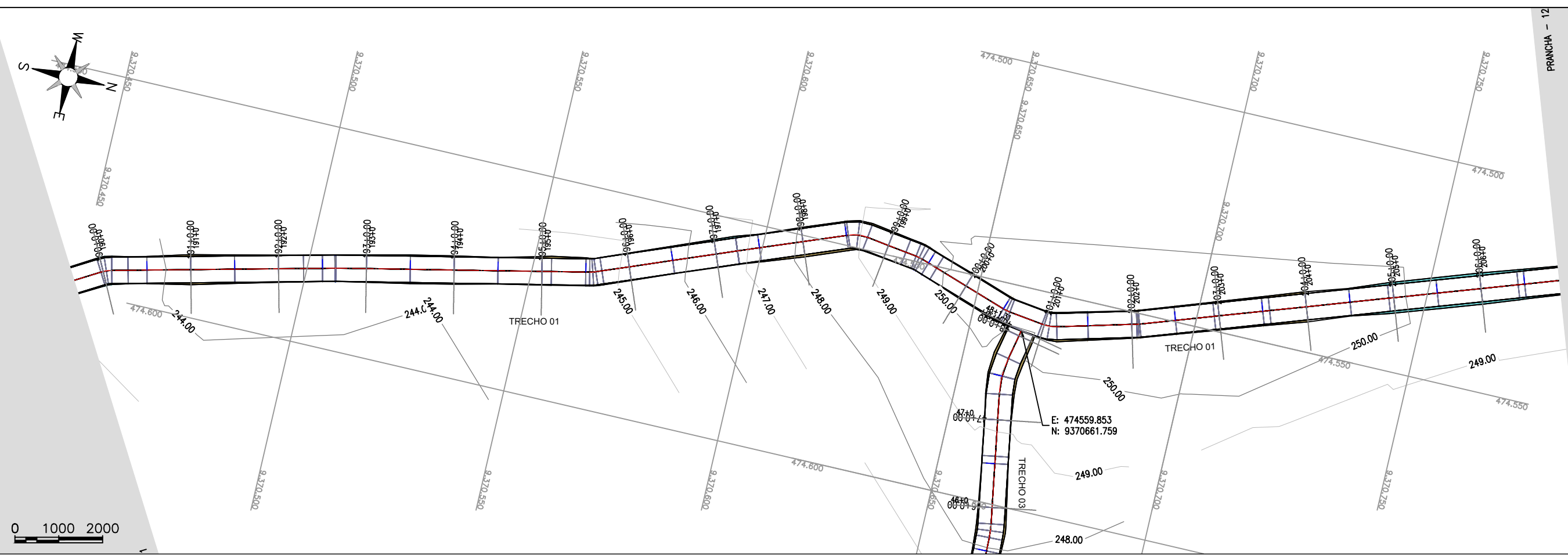
**JOTA BARROS PROJETOS**  
 Arthur Moreira Torquato  
 Engº Civil - CREA 539000 - CE



**PREFEITURA MUNICIPAL DE MILHÃ**  
**RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE**  
**ESTAQUEAMENTO E PERFIL LONGITUDINAL**

PROJETA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.9000-CE  
 ARQUIVO: BOM ACERTO A MONTE BELO - GEO.DWG

PRANCHA:  
**11 / 21**  
 ESCALA:  
**1/1000**



TRECHO 01



Estaca	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	
Cota do terreno	243,453	243,511	244,163	244,150	244,109	244,098	244,315	245,139	246,431	248,108	249,410	250,121	250,197	250,450	250,707	250,824	250,085	249,616	249,396
Cota da terraplenagem	243,644	243,755	244,036	244,193	244,252	244,306	244,360	245,221	246,613	248,005	249,396	250,085	250,282	250,479	250,676	250,701	250,414	249,989	249,641
Cota vermelha	0,191	0,244	-0,127	0,043	0,143	0,208	0,045	0,082	0,182	-0,103	-0,014	-0,036	0,085	0,028	-0,031	-0,123	0,349	0,373	0,244

Legend for symbols used in the plan view:

- TERRENO NATURAL
- PROJETADO
- ATERRO
- CORTE
- CURVAS DE NÍVEL

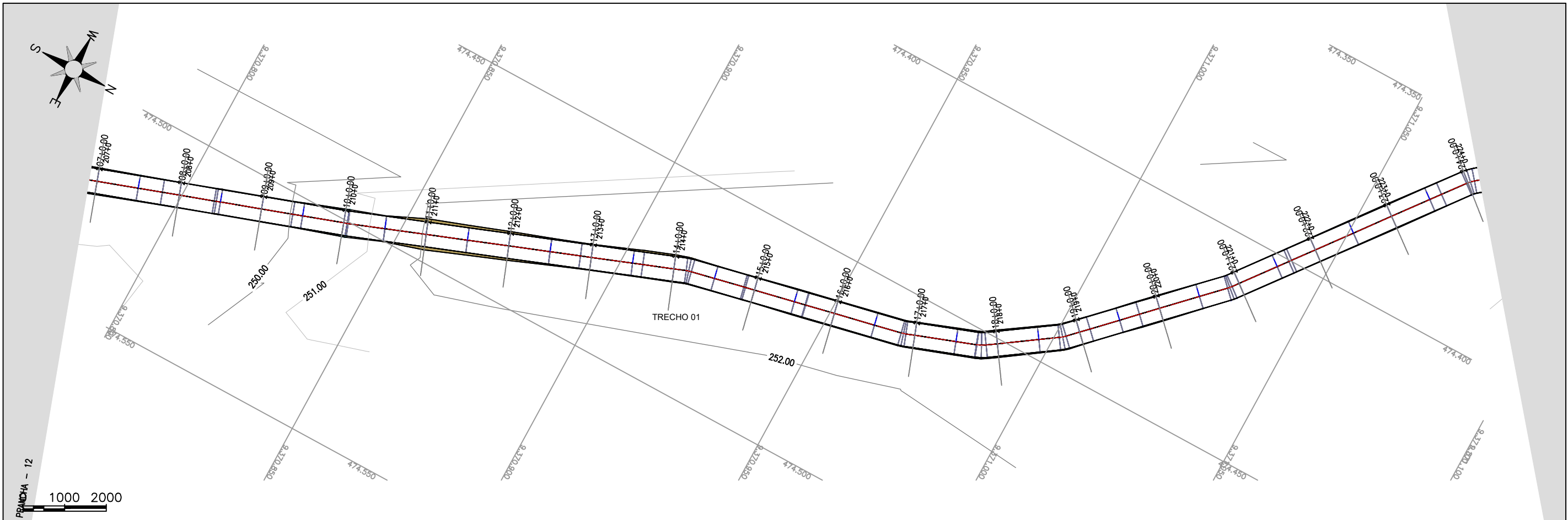
JOTA BARROS PROJETOS  
 Arthur Moreira Torquato  
 Engº Civil - CREA 539000 - CE



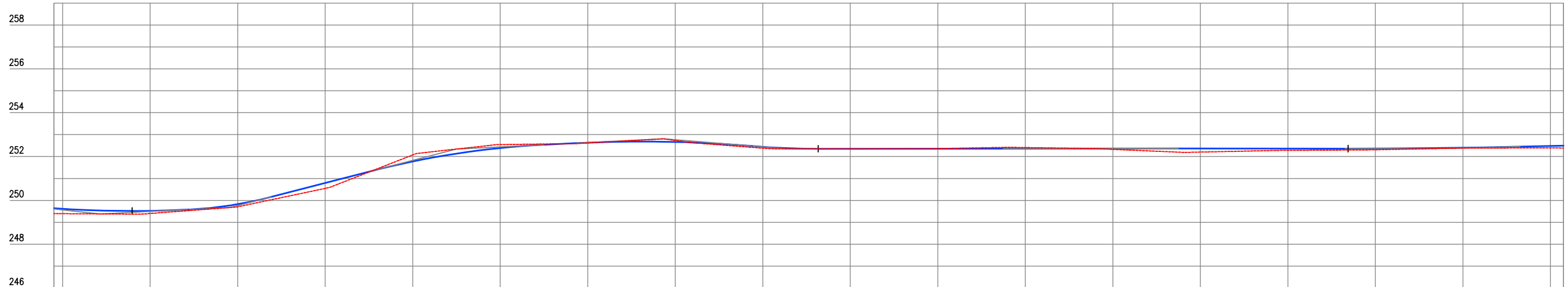
PREFEITURA MUNICIPAL DE MILHÃ  
 RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE  
**ESTAQUEAMENTO E PERFIL LONGITUDINAL**

PROJETISTA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE  
 ARQUIVO: BOM ACERTO A MONTE BELO - GEO.DWG

PRANCHA:  
**12 / 21**  
 ESCALA:  
 1/1000



TRECHO 01



Estaca	0+000	0+006	0+007	0+008	0+009	0+010	0+011	0+012	0+013	0+014	0+015	0+016	0+017	0+018	0+019	0+020	0+021	0+022	0+023	0+024
Cota do terreno	249,396	249,394	249,401	249,706	250,546	252,072	252,545	252,621	252,733	252,380	252,347	252,362	252,409	252,327	252,203	252,281	252,309	252,384	252,383	252,386
Cota da terraplenagem	249,641	249,614	249,523	249,827	250,793	251,772	252,387	252,633	252,665	252,442	252,356	252,359	252,363	252,364	252,363	252,362	252,363	252,400	252,480	252,483
Cota vermelha	0,244	0,221	0,122	0,121	0,247	-0,299	-0,158	0,012	-0,068	0,062	0,008	-0,003	-0,046	0,037	0,160	0,081	0,054	0,016	0,087	0,107

Legend for the longitudinal profile:

- TERRENO NATURAL
- PROJETADO
- ATERRO
- CORTE
- CURVAS DE NÍVEL

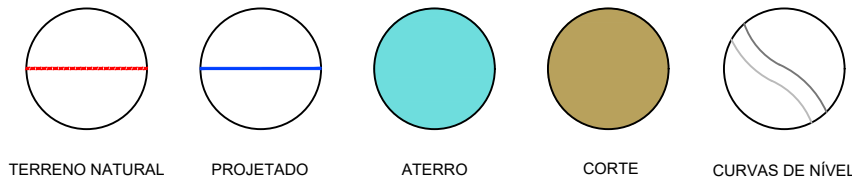
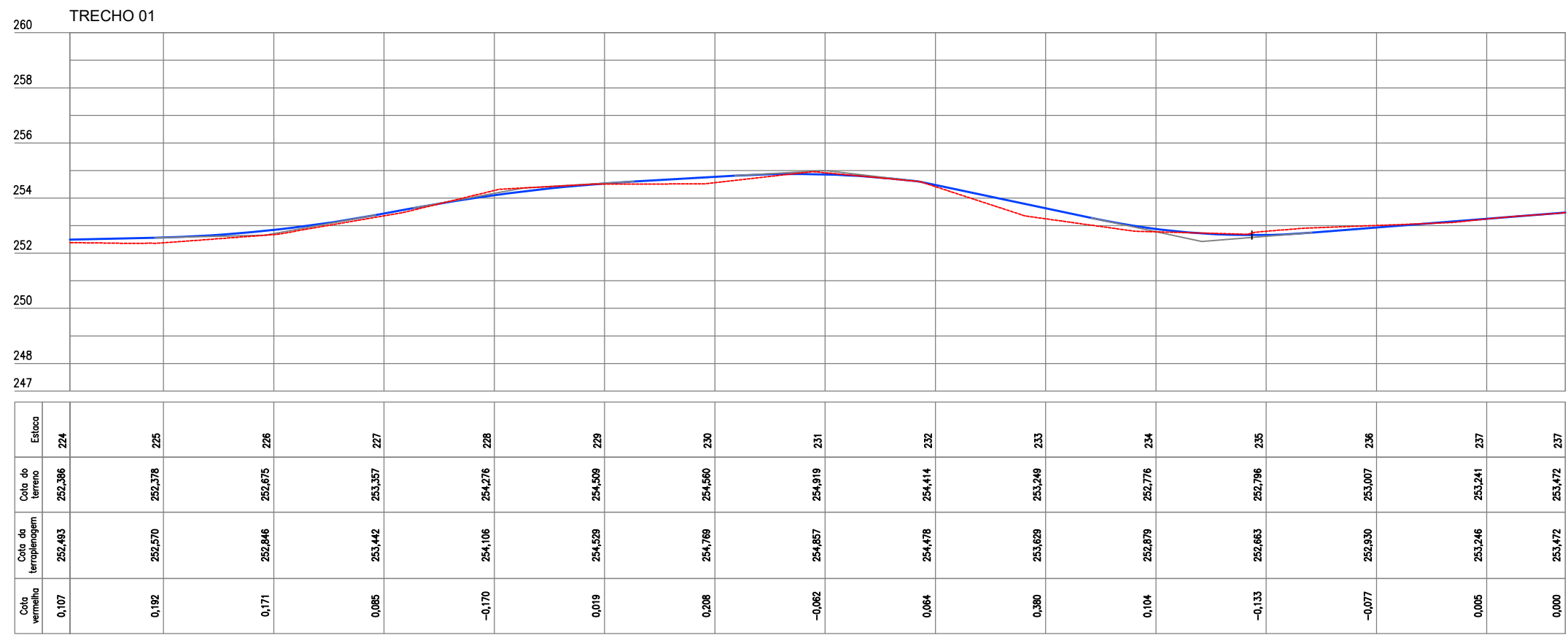
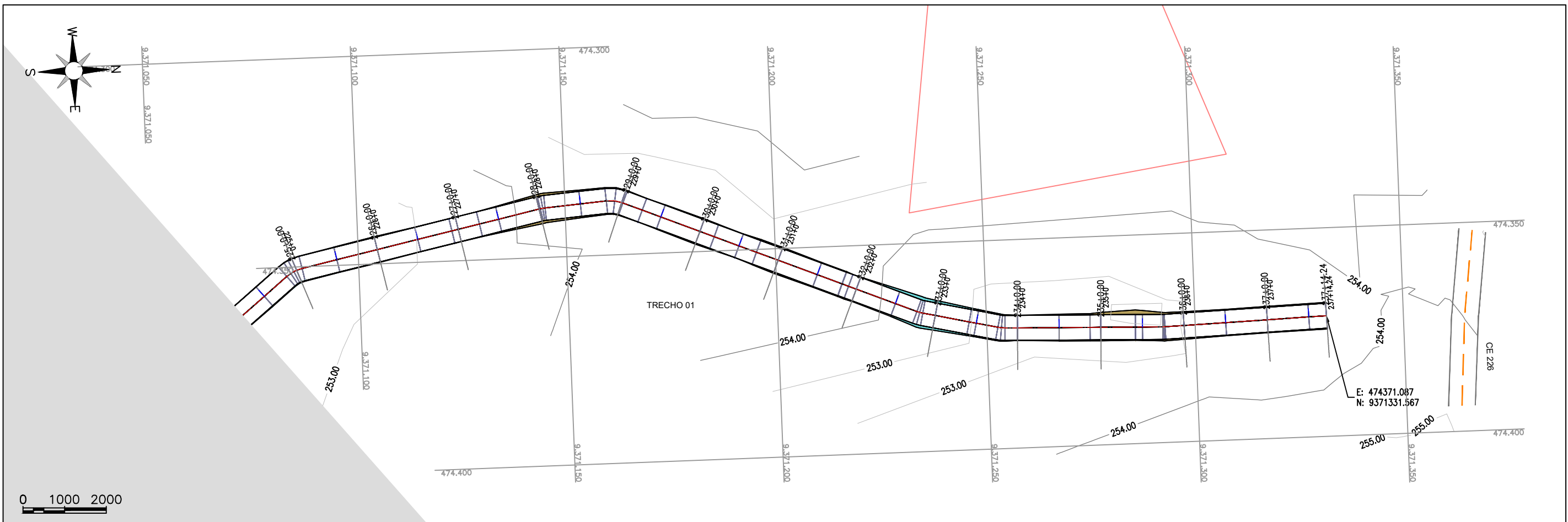
JOTA BARROS PROJETOS  
 Arthur Moreira Torquato  
 Engº Civil - CREA 539000 - CE



PREFEITURA MUNICIPAL DE MILHÃ  
 RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE  
**ESTAQUEAMENTO E PERFIL LONGITUDINAL**

PROJETISTA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE  
 ARQUIVO: BOM ACERTO A MONTE BELO - GEO.DWG

PRANCHA:  
**13 / 21**  
 ESCALA:  
 1/1000

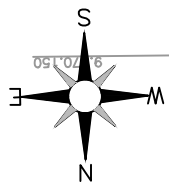


  
**JOTA BARROS PROJETOS**  
 Arthur Moreira Torquato  
 Engº Civil - CREA 539000 - CE

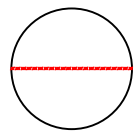
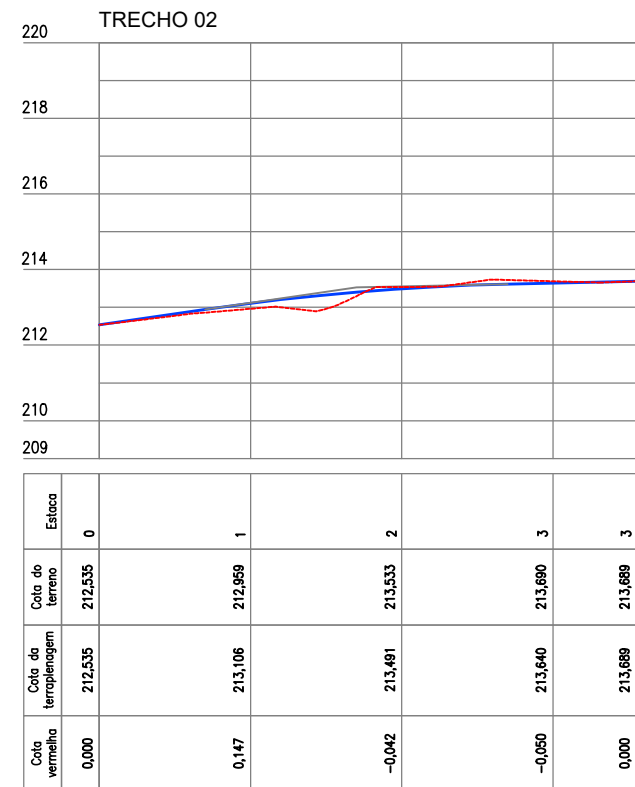
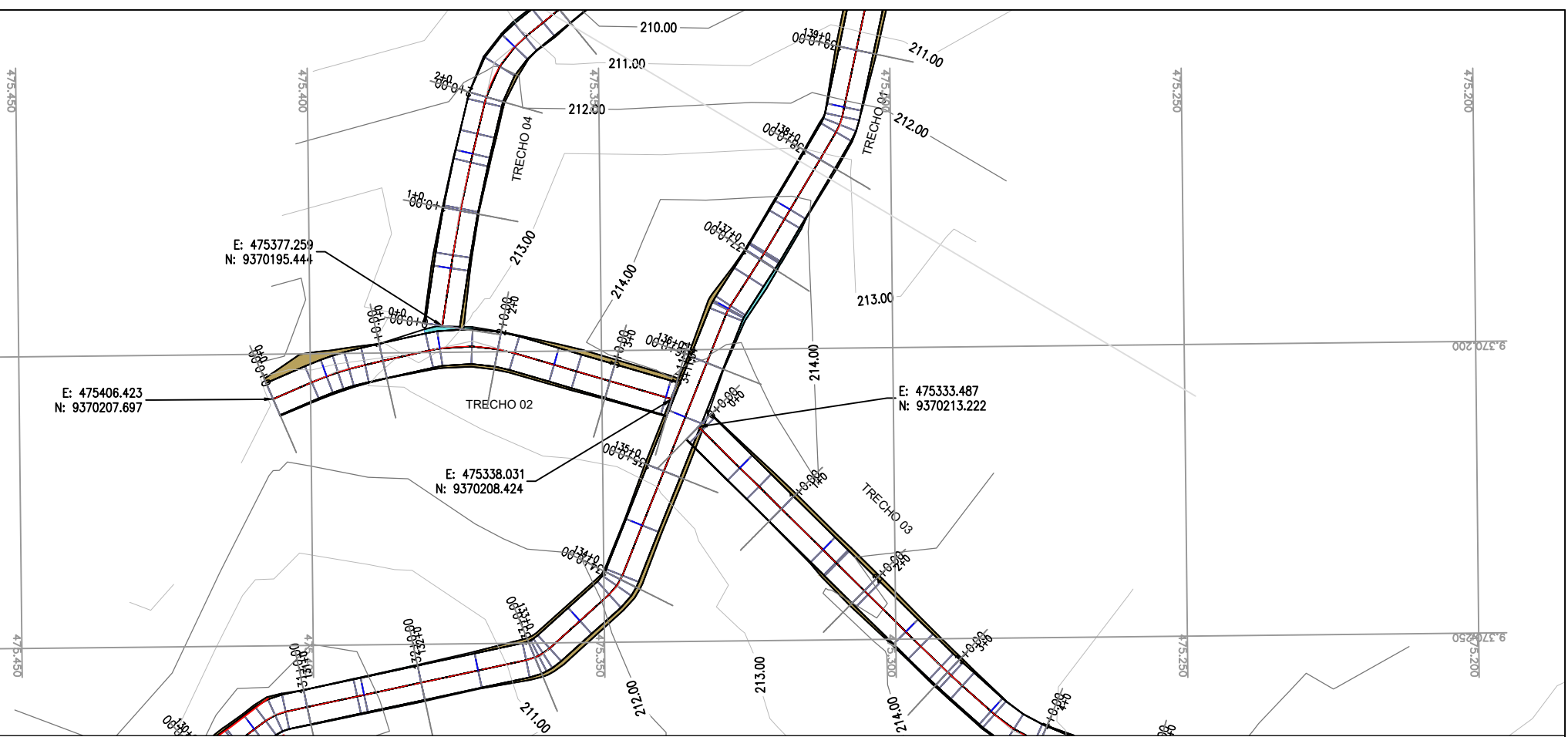


PREFEITURA MUNICIPAL DE MILHÃ	
RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE	
<b>ESTAQUEAMENTO E PERFIL LONGITUDINAL</b>	
PROJETISTA:	ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE
ARQUIVO:	BOM ACERTO A MONTE BELO - GEO.DWG

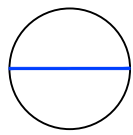
PRANCHA:  
**14 / 21**  
 ESCALA:  
**1/1000**



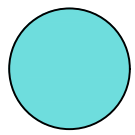
0 1000 2000



TERRENO NATURAL



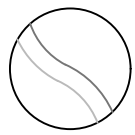
PROJETADO



ATERRO



CORTE

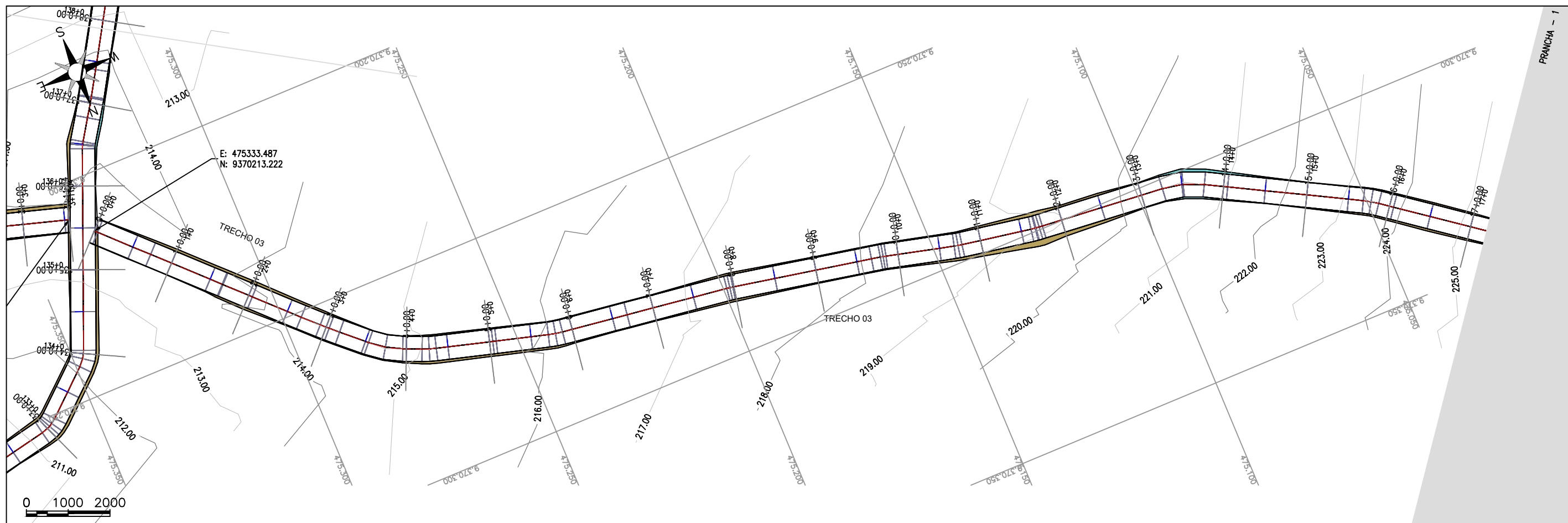


CURVAS DE NÍVEL

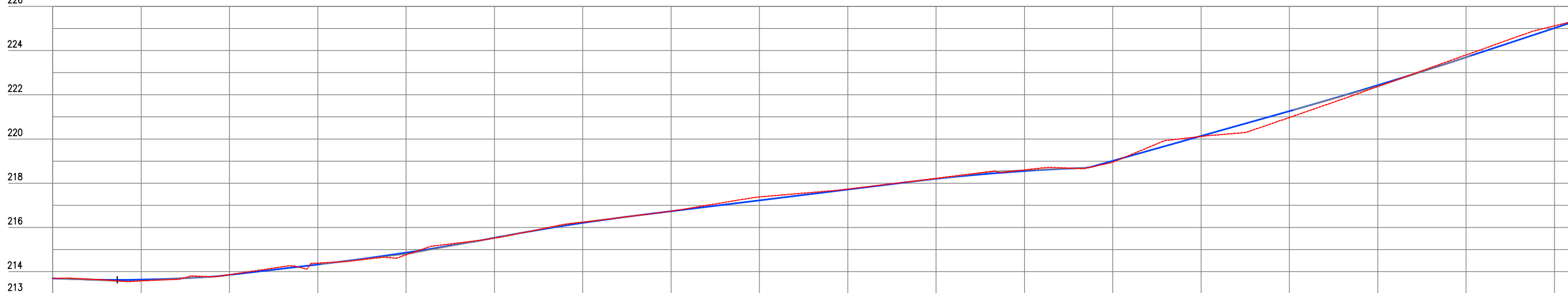
*Arthur Moreira Torquato*  
**JOTA BARROS PROJETOS**  
 Arthur Moreira Torquato  
 Eng.º Civil - CREA 539000 - CE



PREFEITURA MUNICIPAL DE MILHÃ		PRANCHA: <b>15 / 21</b>
RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE		
<b>ESTAQUEAMENTO E PERFIL LONGITUDINAL</b>		
PROJETISTA:	ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE	ESCALA: <b>1/1000</b>
ARQUIVO:	BOM ACERTO A MONTE BELO - GEO.DWG	



TRECHO 03



Estaca	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Cota do terreno	213,686	213,587	213,866	214,388	214,762	215,521	216,236	216,733	217,379	217,735	218,221	218,601	218,954	220,117	220,973	222,370	223,801	225,116	225,312
Cota da terraplenagem	213,686	213,640	213,850	214,323	214,859	215,530	216,207	216,734	217,226	217,717	218,200	218,552	219,016	220,139	221,263	222,430	223,694	225,013	225,276
Cota vermelha	0,000	0,052	-0,016	-0,065	0,097	0,009	-0,030	0,001	-0,153	-0,018	-0,022	-0,049	0,062	0,022	0,289	0,059	-0,106	-0,103	-0,035

TERRENO NATURAL    PROJETADO    ATERRO    CORTE    CURVAS DE NÍVEL

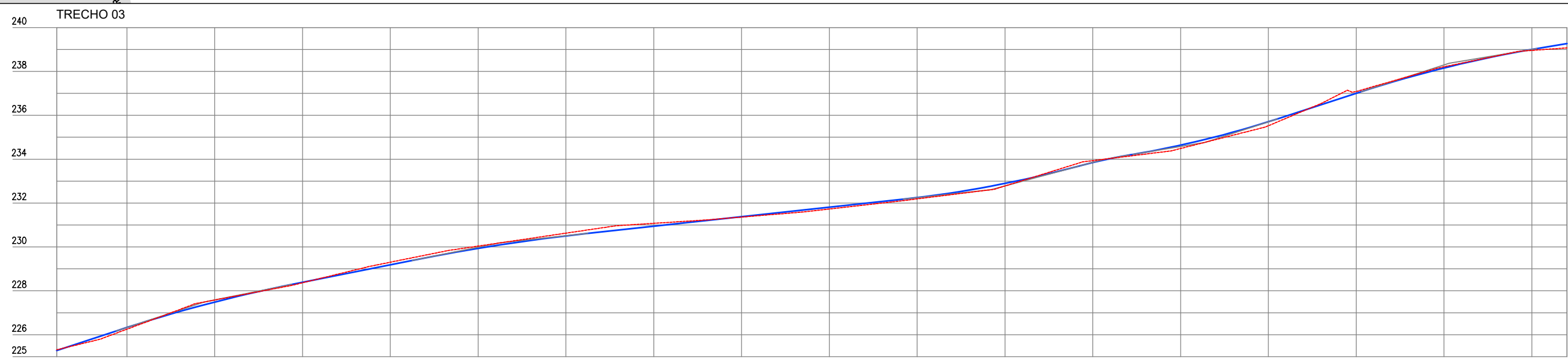
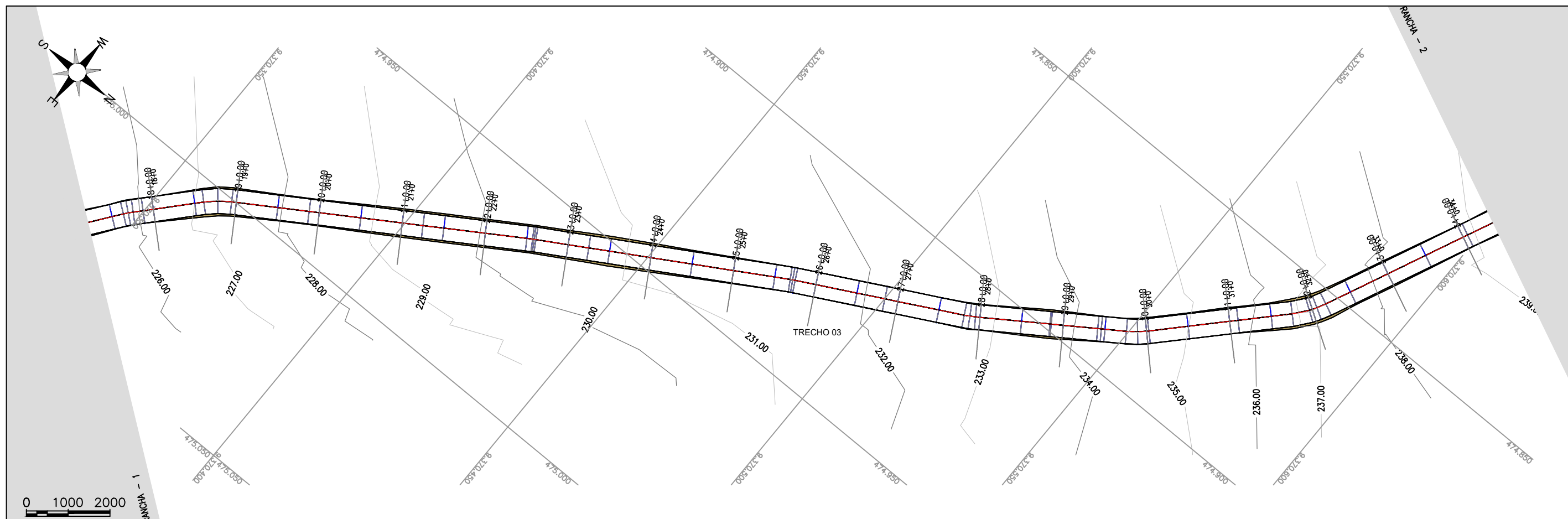
JOTA BARROS PROJETOS  
 Arthur Moreira Torquato  
 Engº Civil - CREA 539000 - CE



PREFEITURA MUNICIPAL DE MILHÃ  
 RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE  
**ESTAQUEAMENTO E PERFIL LONGITUDINAL**  
 PROJETISTA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE  
 ARQUIVO: BOM ACERTO A MONTE BELO - GEO.DWG

PRANCHA:  
**16 / 21**  
 ESCALA:  
 1/1000





Estaca	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
Cota da vermelha	-0,035	0,090	-0,095	0,018	-0,119	-0,104	-0,123	-0,131	0,016	0,085	0,059	0,114	-0,085	0,151	0,183	-0,086	-0,053	0,044	0,198
Cota da terraplanagem	225,276	226,329	227,496	228,386	229,186	229,934	230,505	230,944	231,378	231,811	232,249	232,894	233,646	234,638	235,706	237,000	238,157	239,002	239,271
Cota do terreno	225,312	226,249	227,591	228,367	229,304	230,038	230,628	231,075	231,361	231,727	232,190	232,780	233,933	234,487	235,523	237,086	238,210	238,958	239,073

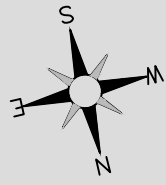
**JOTA BARROS PROJETOS**  
 Arthur Moreira Torquato  
 Engº Civil - CREA 539000 - CE



**PREFEITURA MUNICIPAL DE MILHÃ**  
**RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE**  
**ESTAQUEAMENTO E PERFIL LONGITUDINAL**

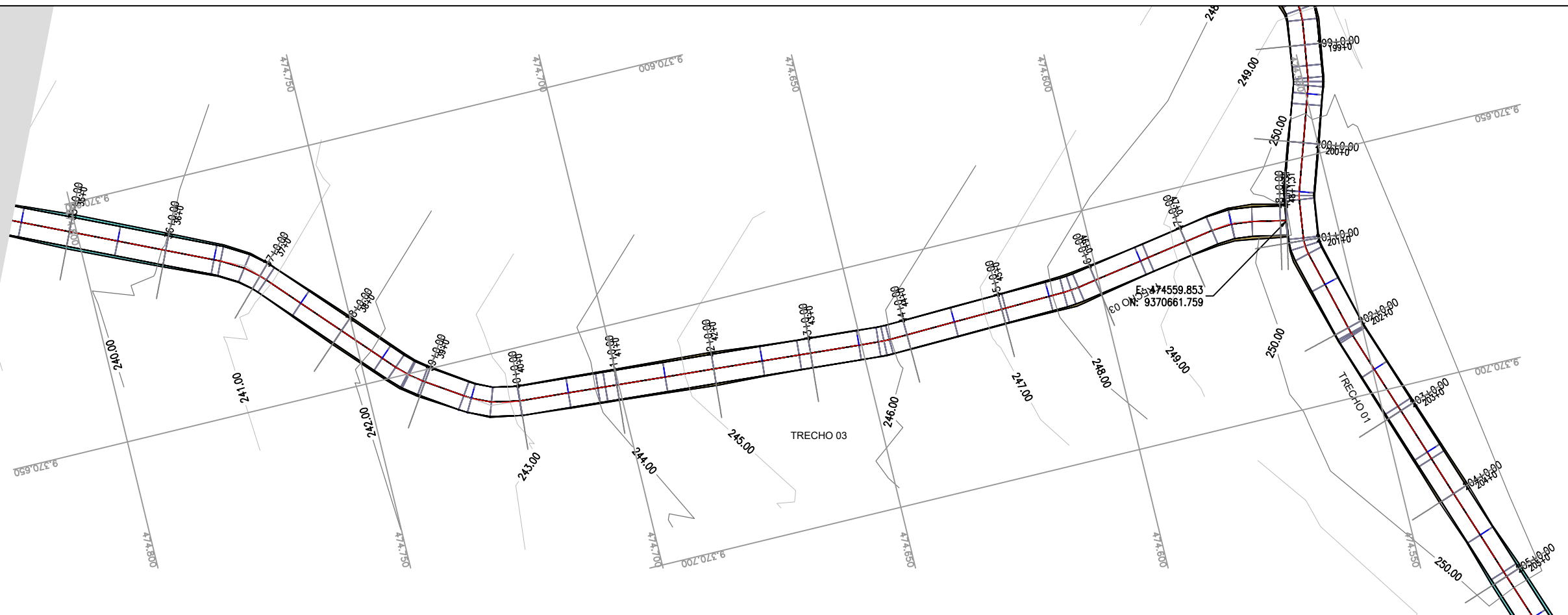
PROJETA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE  
 ARQUIVO: BOM ACERTO A MONTE BELO - GEO.DWG

PRANCHA:  
**17 / 21**  
 ESCALA:  
**1/1000**

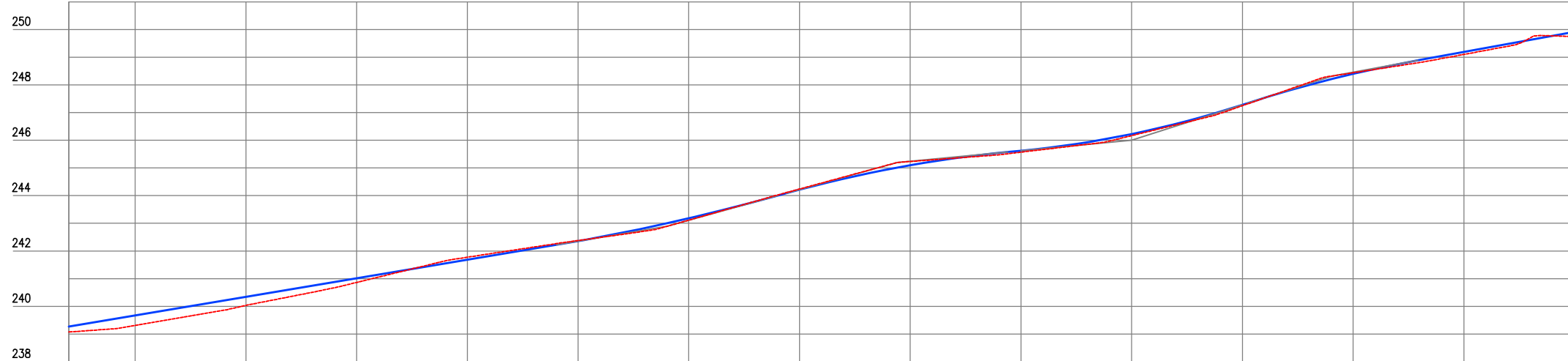


0 1000 2000

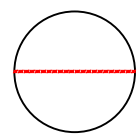
PRANCHA - 2



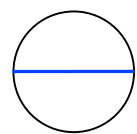
TRECHO 03



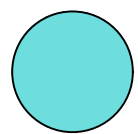
Cota vermelha	Cota de terraplenagem	Cota do terreno	Estaca
0,198	239,271	239,073	34
0,359	239,673	239,314	35
0,307	240,343	240,036	36
0,150	241,013	240,863	37
-0,092	241,684	241,776	38
-0,020	242,358	242,378	39
0,067	243,181	243,114	40
-0,022	244,216	244,238	41
-0,133	245,100	245,232	42
0,051	245,621	245,569	43
0,058	246,226	246,167	44
0,033	247,281	247,248	45
-0,040	248,398	248,438	46
0,088	249,188	249,100	47
0,063	249,917	249,853	48



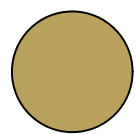
TERRENO NATURAL



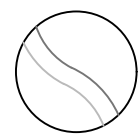
PROJETADO



ATERRO



CORTE



CURVAS DE NÍVEL

*Arthur Moreira Torquato*  
**JOTA BARROS PROJETOS**  
 Arthur Moreira Torquato  
 Engº Civil - CREA 539000 - CE



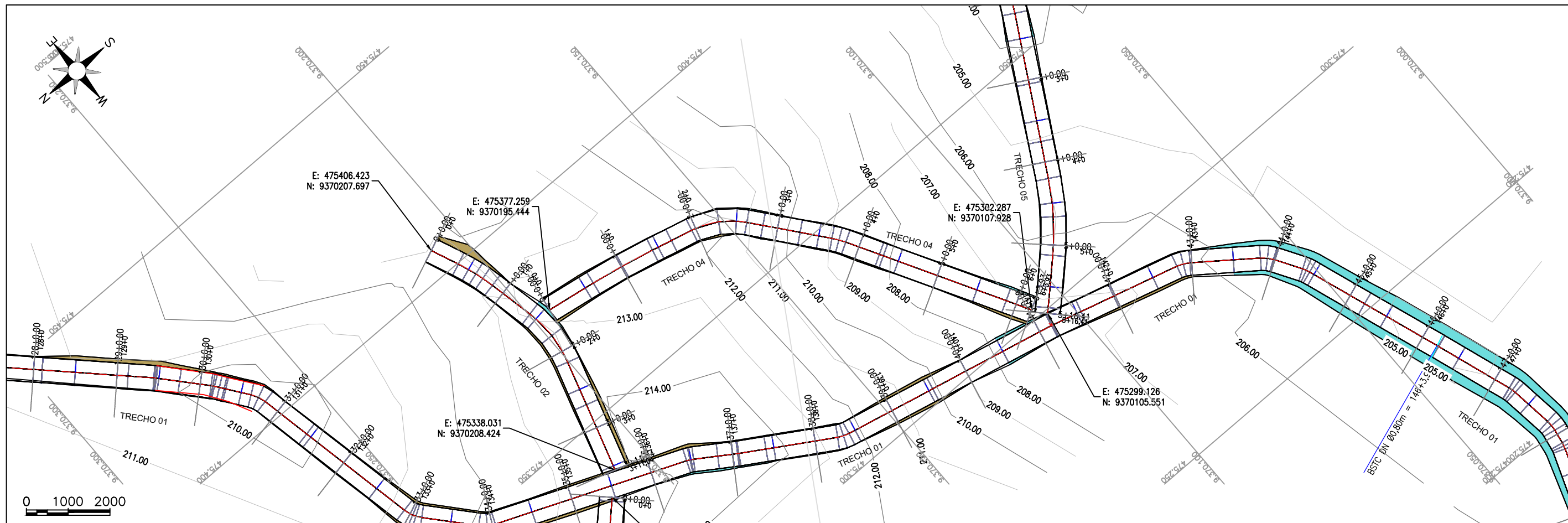
PREFEITURA MUNICIPAL DE MILHÃ  
 RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE

**ESTAQUEAMENTO E PERFIL LONGITUDINAL**

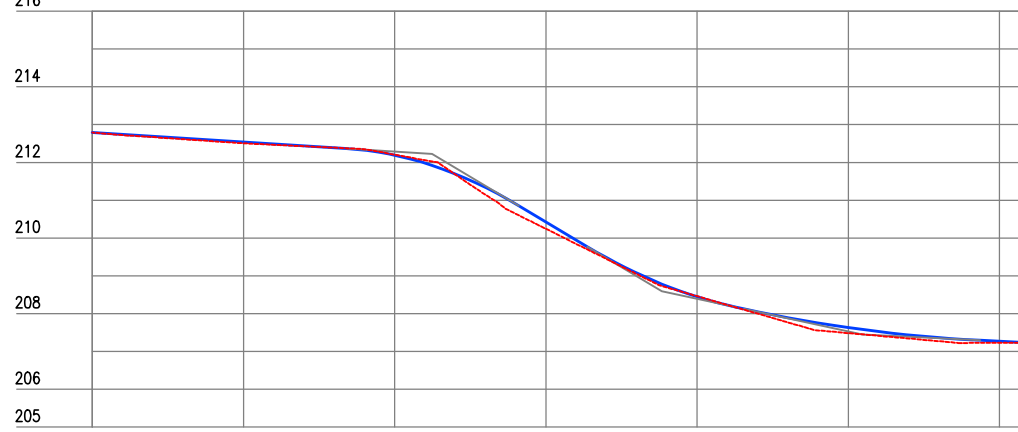
PROJETISTA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE  
 ARQUIVO: BOM ACERTO A MONTE BELO - GEO.DWG

PRANCHA:  
**18 / 21**

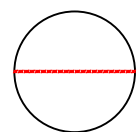
ESCALA:  
 1/1000



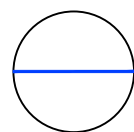
TRECHO 04



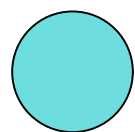
Estaca	0	1	2	3	4	5	6
Cota do terreno	212,791	212,506	212,205	210,245	208,463	207,486	207,229
Cota da terraplenagem	212,791	212,506	212,205	210,245	208,463	207,486	207,229
Cota vermelha	0,000	0,000	0,000	0,000	0,000	0,000	0,000



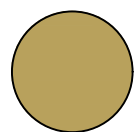
TERRENO NATURAL



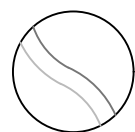
PROJETADO



ATERRO



CORTE



CURVAS DE NÍVEL

*Arthur Moreira Torquato*  
**JOTA BARROS PROJETOS**  
 Arthur Moreira Torquato  
 Eng<sup>o</sup> Civil - CREA 539000 - CE



PREFEITURA MUNICIPAL DE MILHÃ

RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE

**ESTAQUEAMENTO E PERFIL LONGITUDINAL**

PROJETISTA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE

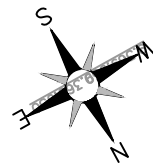
ARQUIVO: BOM ACERTO A MONTE BELO - GEO.DWG

PRANCHA:

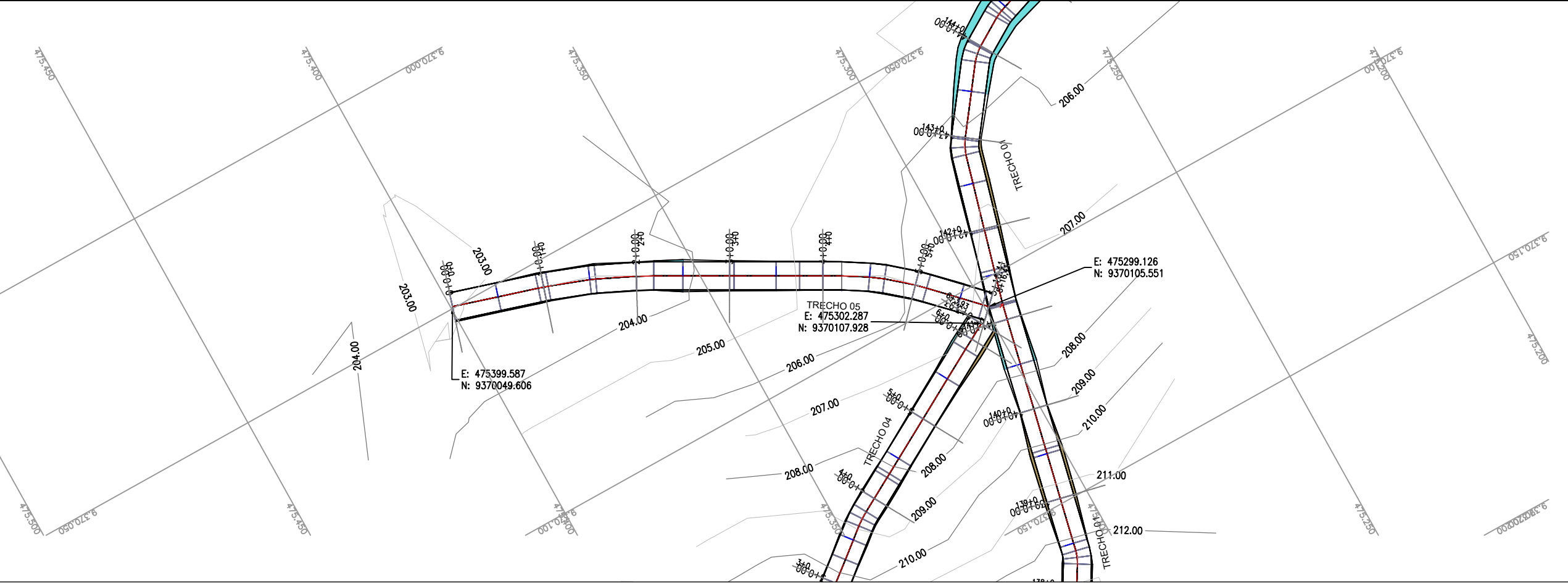
**19 / 21**

ESCALA:

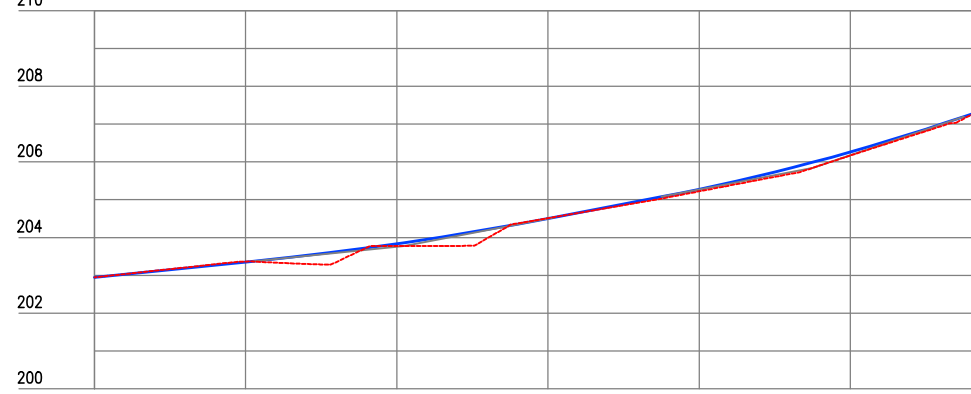
1/1000



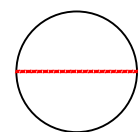
0 1000 2000



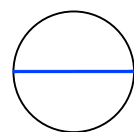
TRECHO 05



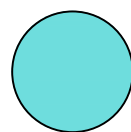
Estaca	0	1	2	3	4	5	5
Cota do terreno	202,947	203,364	203,773	204,514	205,222	206,170	207,294
Cota da terraplenagem	202,947	203,364	203,773	204,514	205,222	206,170	207,294
Cota vermelha	0,000	0,000	0,000	0,000	0,000	0,000	0,000



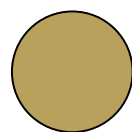
TERRENO NATURAL



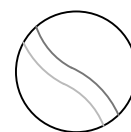
PROJETADO



ATERRO



CORTE



CURVAS DE NÍVEL

*Arthur Moreira Torquato*  
**JOTA BARROS PROJETOS**  
 Arthur Moreira Torquato  
 Eng<sup>o</sup> Civil - CREA 539000 - CE



PREFEITURA MUNICIPAL DE MILHÃ

RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE

**ESTAQUEAMENTO E PERFIL LONGITUDINAL**

PROJETISTA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE

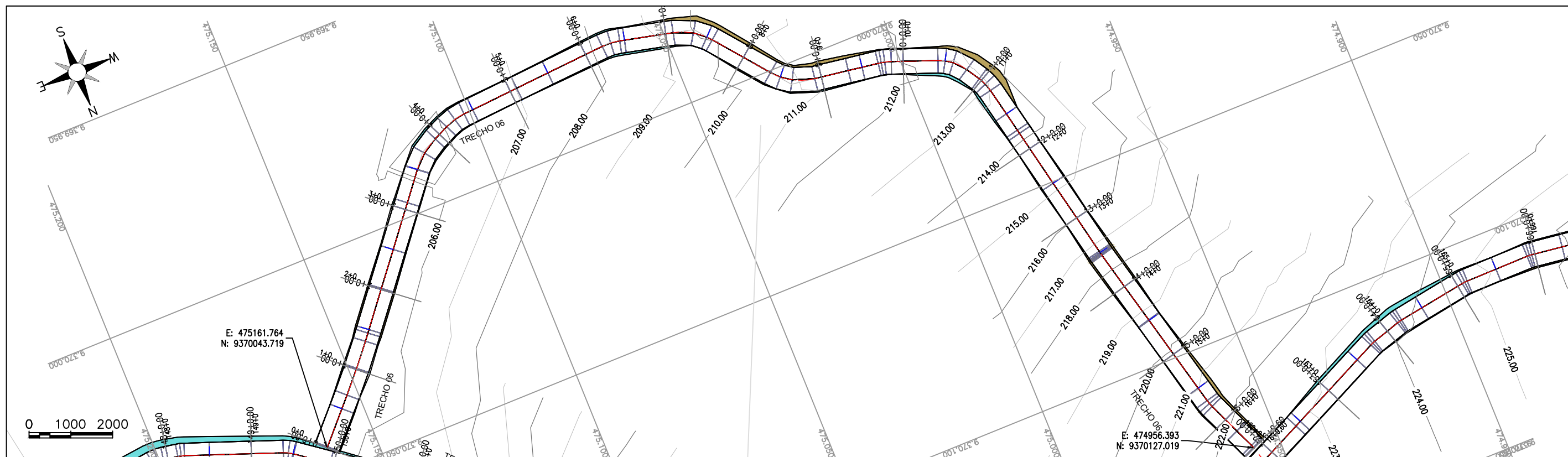
ARQUIVO: BOM ACERTO A MONTE BELO - GEO.DWG

PRANCHA:

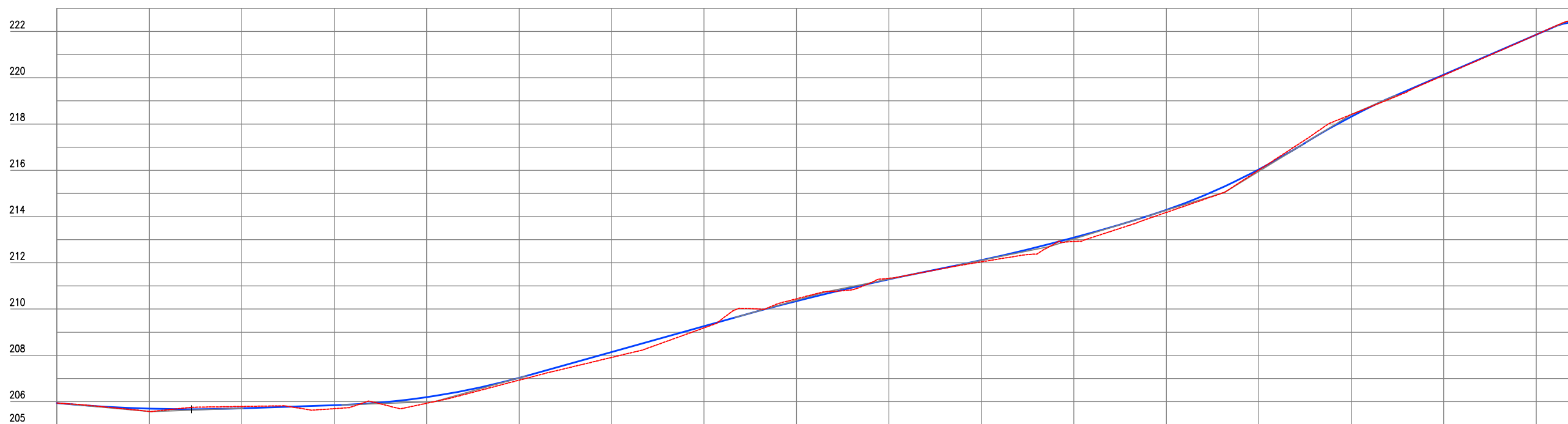
**20 / 21**

ESCALA:

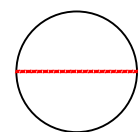
**1/1000**



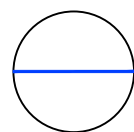
TRECHO 06



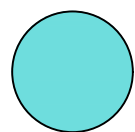
Estaca	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Cota do terreno	205,937	205,576	205,790	205,695	205,929	206,926	207,909	209,188	210,444	211,329	212,043	212,923	214,179	216,010	218,410	220,108	221,863	222,401
Cota da terraplenagem	205,937	205,576	205,790	205,695	205,929	206,926	207,909	209,188	210,444	211,329	212,043	212,923	214,179	216,010	218,410	220,108	221,863	222,401
Cota vermelha	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000



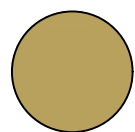
TERRENO NATURAL



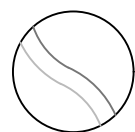
PROJETADO



ATERRO



CORTE



CURVAS DE NÍVEL

*Arthur Moreira Torquato*  
**JOTA BARROS PROJETOS**  
 Arthur Moreira Torquato  
 Engº Civil - CREA 53900 - CE



PREFEITURA MUNICIPAL DE MILHÃ

RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE

**ESTAQUEAMENTO E PERFIL LONGITUDINAL**

PROJETISTA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE

ARQUIVO: BOM ACERTO A MONTE BELO - GEO.DWG

PRANCHA:

**21 / 21**

ESCALA:

**1/1000**