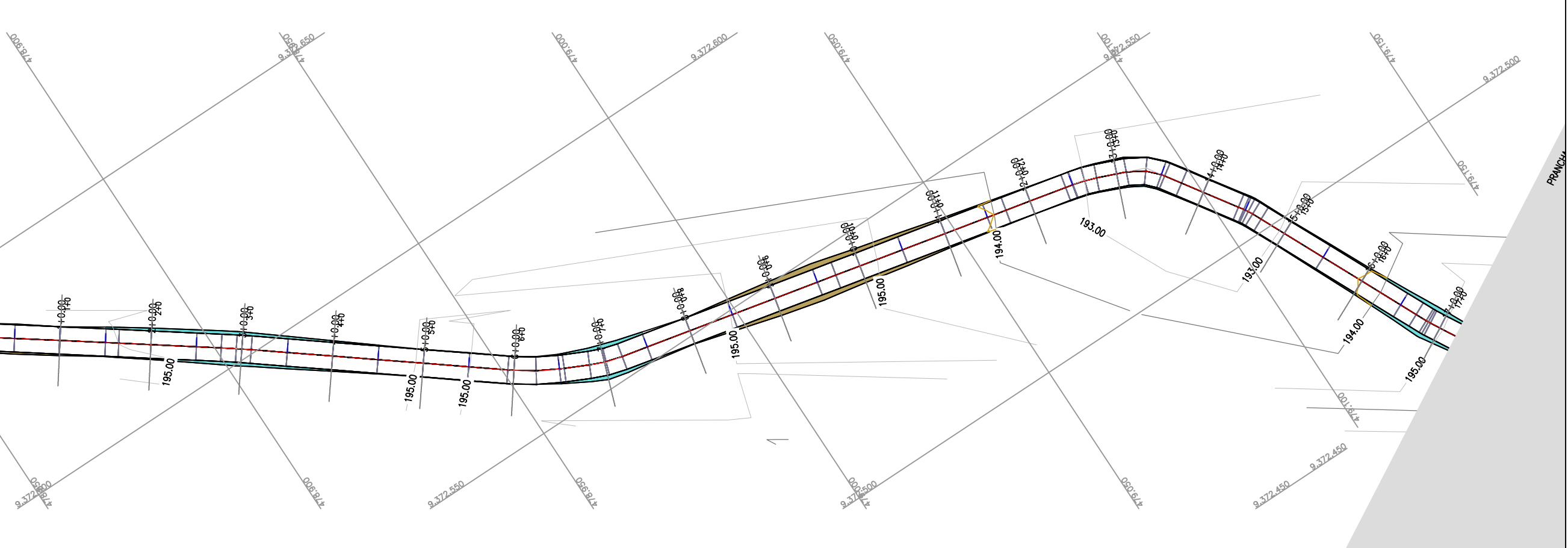
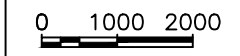
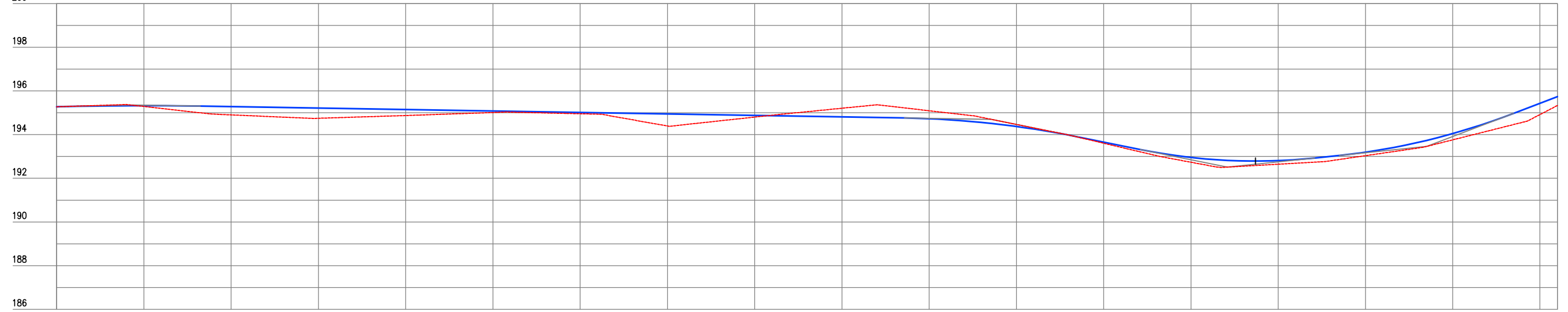


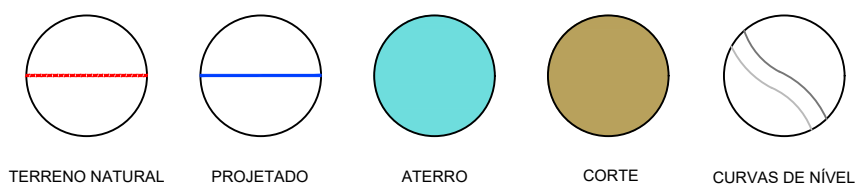
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N: 9372637.440



EIXO



Estaca	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	17
Cota do terreno	195,274	195,287	194,903	194,748	194,874	195,011	194,985	194,995	194,802	195,207	195,092	194,467	193,605	192,735	192,644	193,035	193,760	194,918	195,333
Cota da terraplenagem	195,274	195,325	195,279	195,212	195,145	195,078	195,011	194,944	194,877	194,810	194,728	194,371	193,659	192,954	192,808	193,193	194,049	195,431	195,734
Cota vermelha	0,000	0,038	0,376	0,464	0,272	0,067	0,056	0,549	0,075	-0,397	-0,364	-0,095	0,053	0,219	0,163	0,158	0,289	0,513	0,401

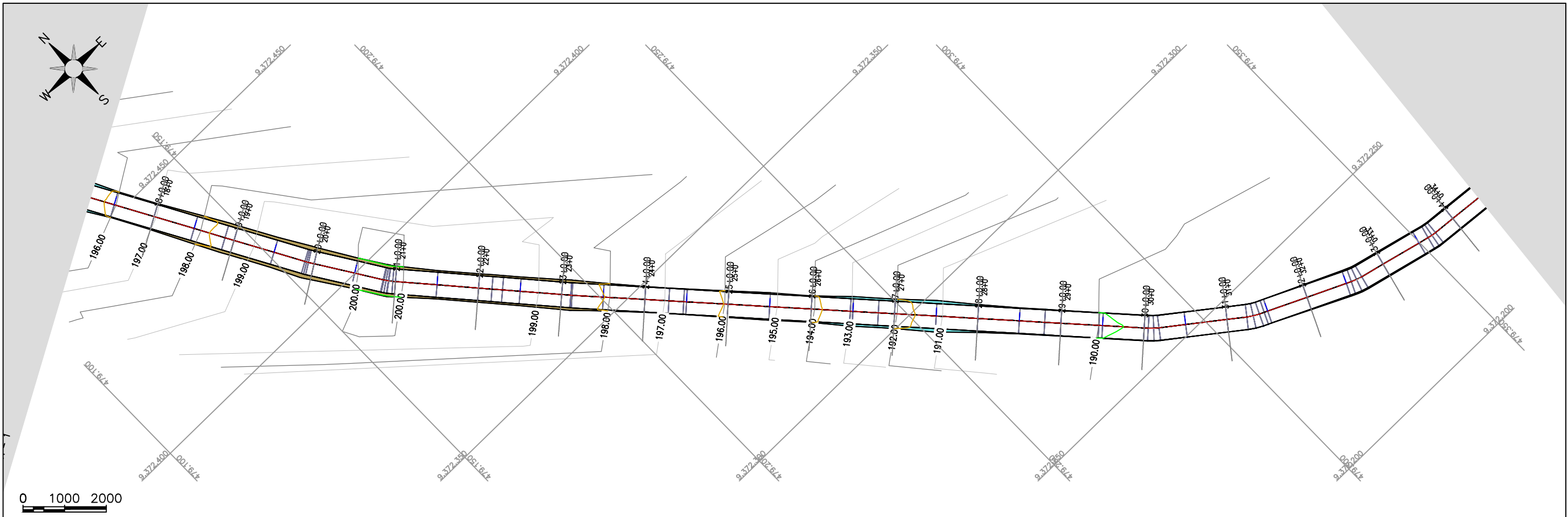


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PREFEITURA MUNICIPAL DE MILHÃ
RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE
ESTAQUEAMENTO E PERFIL LONGITUDINAL
PROJETISTA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE
ARQUIVO: MILHÃ A BARRA - GEO.DWG

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ESCALA:
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0 1000 2000

EIXO



Estaca	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
Cota do terreno	195,333	196,952	196,690	199,862	200,050		198,787	197,364	195,943	194,085	192,054	190,736	190,180	189,781	189,569	189,553	189,556	189,465	189,437
Cota da terraplenagem	195,734	196,948	196,460	199,504	199,778		198,570	197,391	195,921	194,242	192,388	190,999	190,319	189,903	189,658	189,577	189,516	189,455	189,430
Cota vermelha	0,401	-0,004	-0,230	-0,358	-0,272		-0,115	0,027	-0,022	0,157	0,333	0,262	0,139	0,121	0,069	0,024	-0,040	-0,010	-0,007

TERRENO NATURAL PROJETADO ATERRO CORTE CURVAS DE NÍVEL

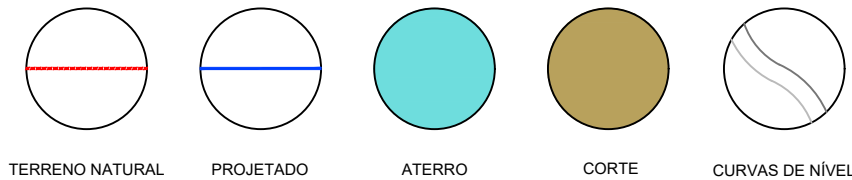
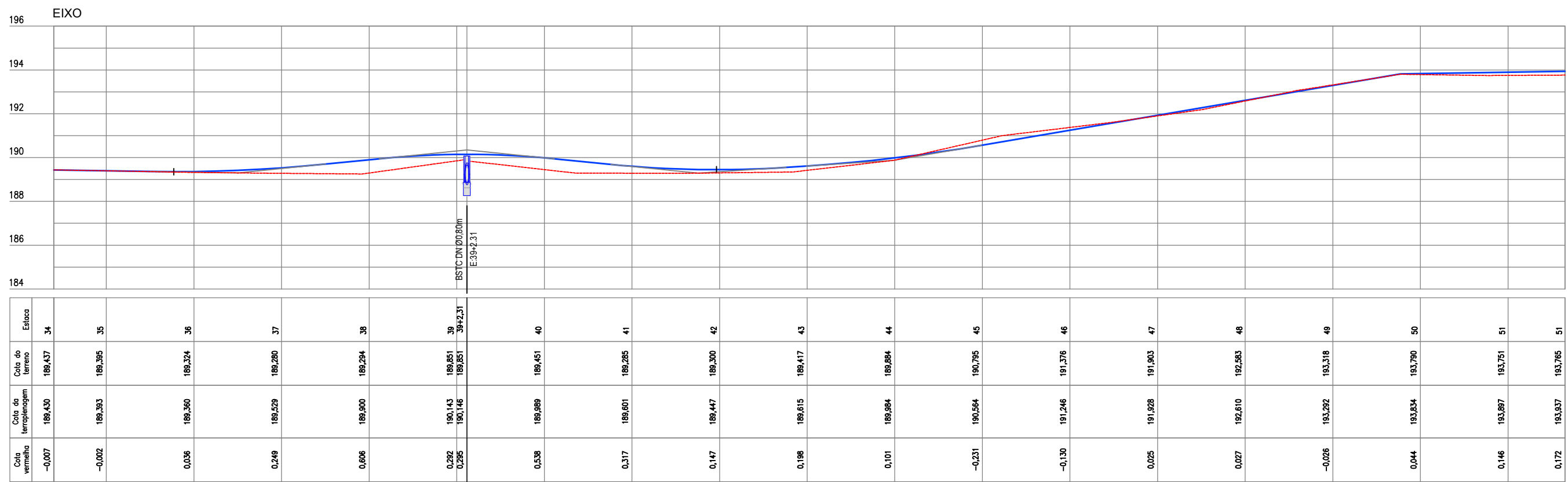
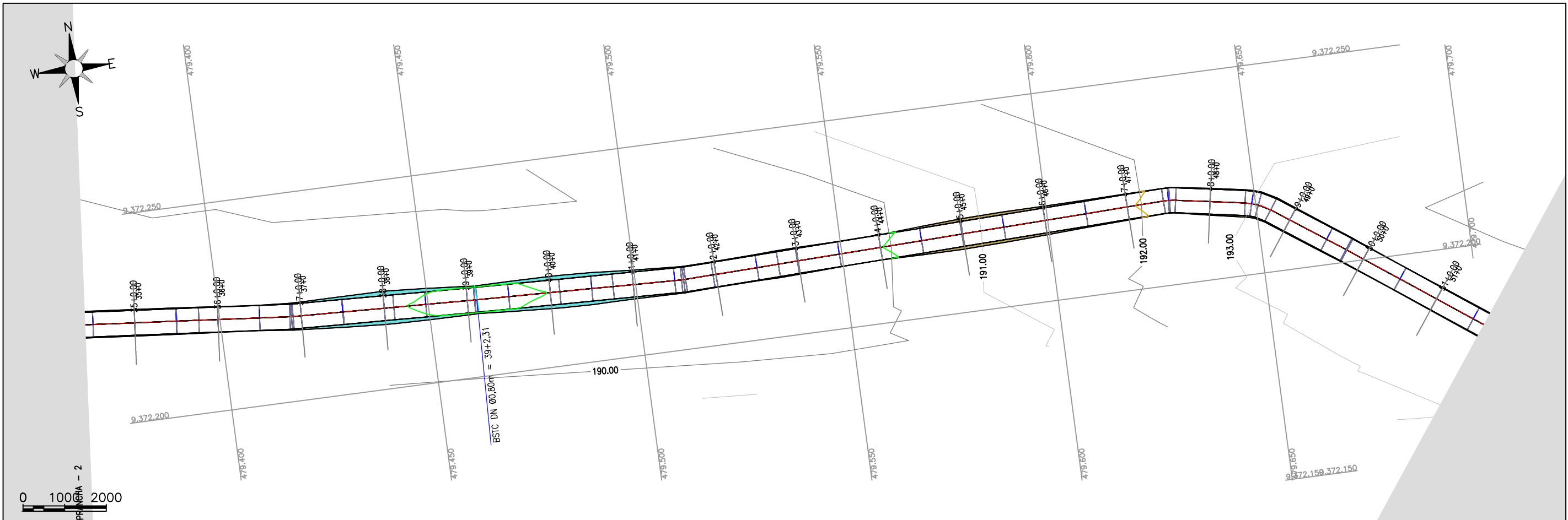
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PREFEITURA MUNICIPAL DE MILHÃ
RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE
ESTAQUEAMENTO E PERFIL LONGITUDINAL

PROJETA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE
 ARQUIVO: MILHÃ A BARRA - GEO.DWG

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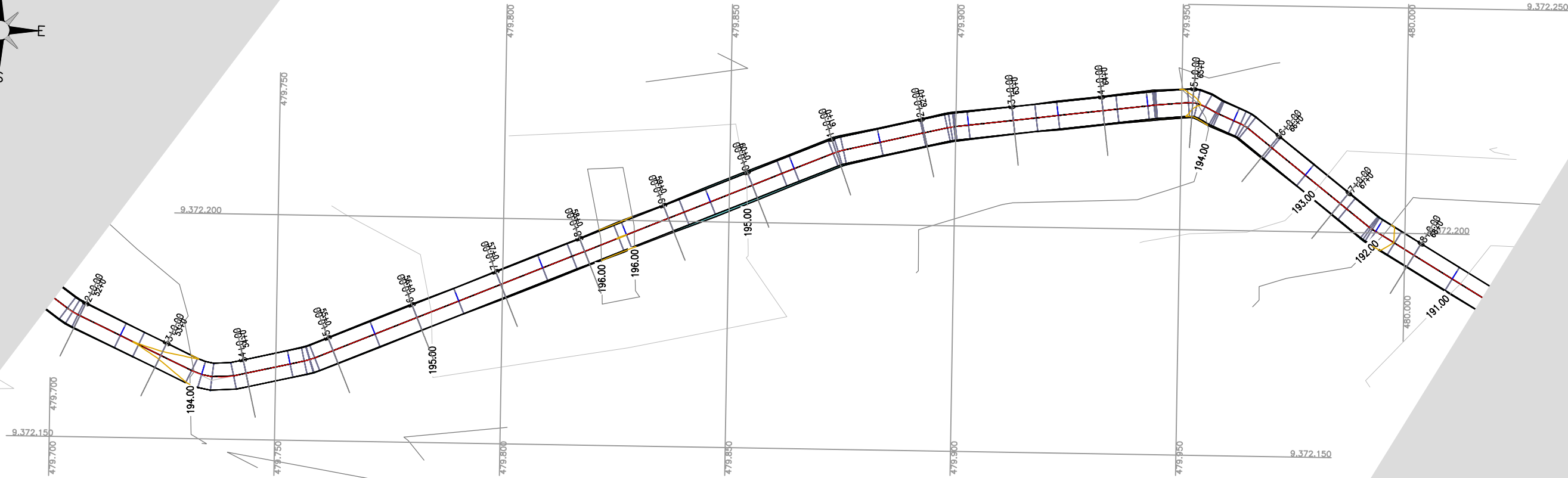
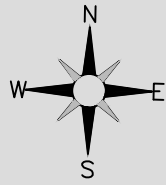

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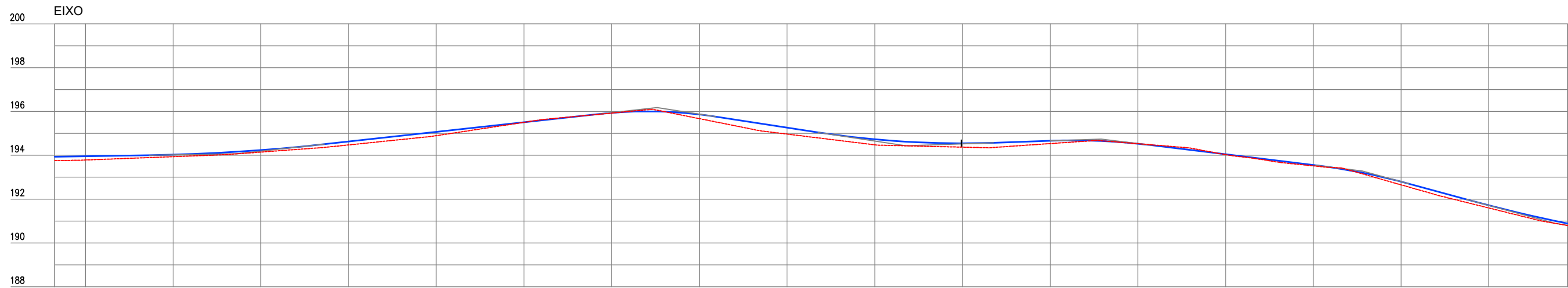
PREFEITURA MUNICIPAL DE MILHÃ
RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE
ESTAQUEAMENTO E PERFIL LONGITUDINAL

PROJETA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE
 ARQUIVO: MILHÃ A BARRA - GEO.DWG

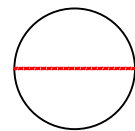
PRANCHA:
3 / 18
 ESCALA:
1/1000



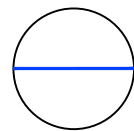
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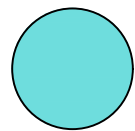
Cota verveia	Cota da terraplenagem	Cota do terreno	Estaca
0,172	193,937	193,765	51
0,174	193,959	193,765	52
0,091	194,029	193,937	53
0,080	194,237	194,147	54
0,155	194,627	194,473	55
0,172	195,067	194,896	56
0,002	195,507	195,505	57
0,012	195,938	195,926	58
0,193	195,866	195,673	59
0,297	195,265	194,968	60
0,253	194,729	194,476	61
0,175	194,546	194,372	62
0,128	194,661	194,534	63
0,000	194,529	194,529	64
0,015	194,046	194,031	65
0,039	193,556	193,518	66
0,148	192,800	192,652	67
0,124	191,721	191,596	68
0,091	190,683	190,792	68



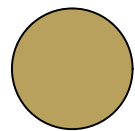
TERRENO NATURAL



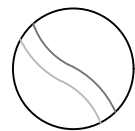
PROJETADO



ATERRO



CORTE



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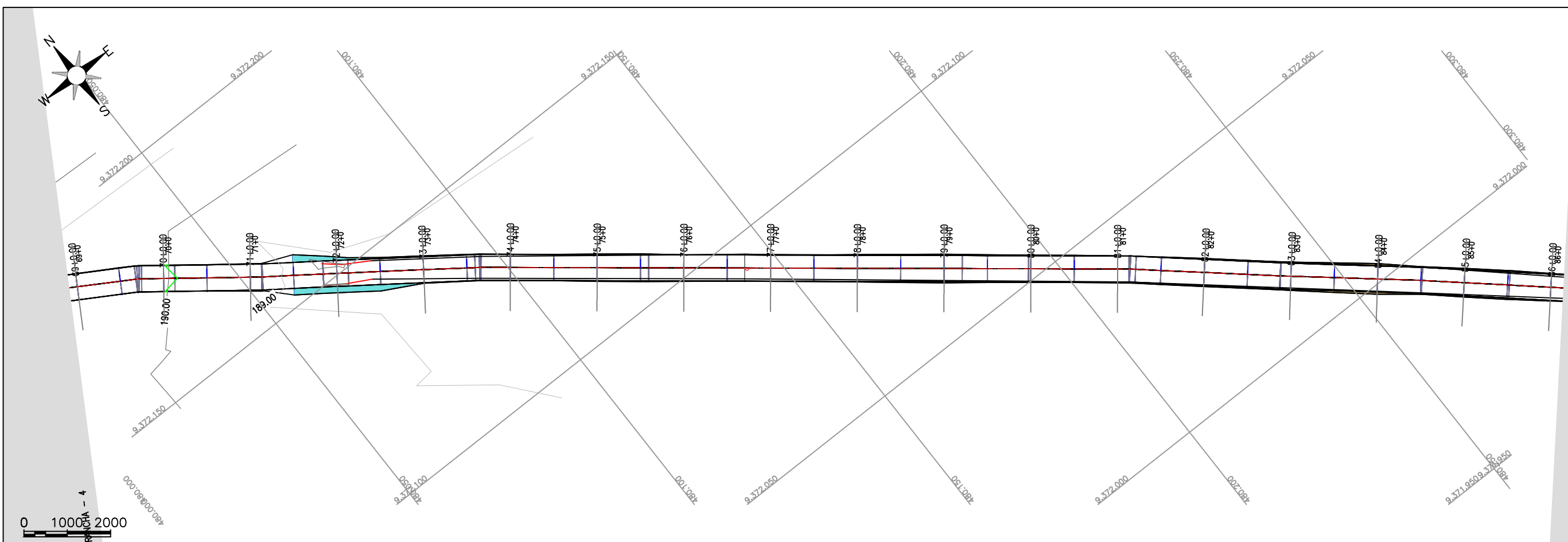
PREFEITURA MUNICIPAL DE MILHÃ
 RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE

ESTAQUEAMENTO E PERFIL LONGITUDINAL

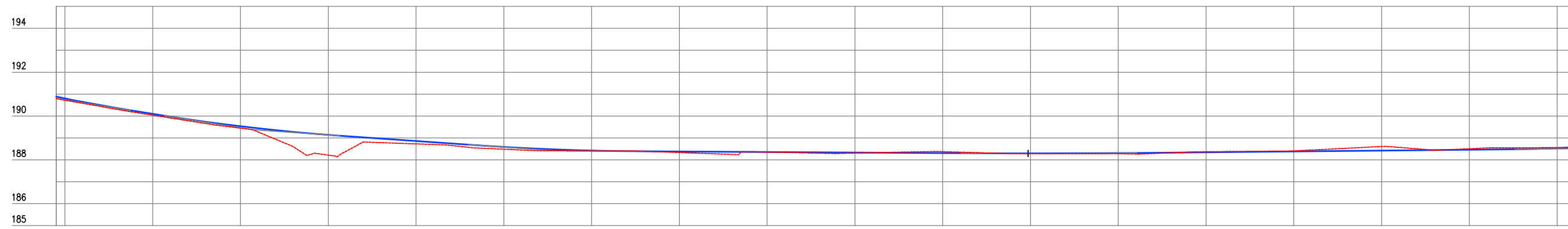
PROJETISTA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE
 ARQUIVO: MILHÃ A BARRA - GEO.DWG

PRANCHA:
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ESCALA:
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EIXO



Estaca	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	
Cota do terreno	190,792	190,721	190,038	189,445	188,216	188,728	188,485	188,408	188,334	188,358	188,310	188,373	188,280	188,282	188,369	188,407	188,608	188,506	188,555	188,556
Cota da terraplenagem	190,883	190,802	190,101	189,531	189,139	188,858	188,588	188,425	188,378	188,355	188,331	188,308	188,294	188,310	188,348	188,396	188,424	188,462	188,534	188,565
Cota vermelha	0,091	0,080	0,063	0,086	0,923	0,129	0,103	0,016	0,044	-0,003	0,021	-0,065	0,014	0,028	-0,022	-0,022	-0,185	-0,044	-0,021	0,010

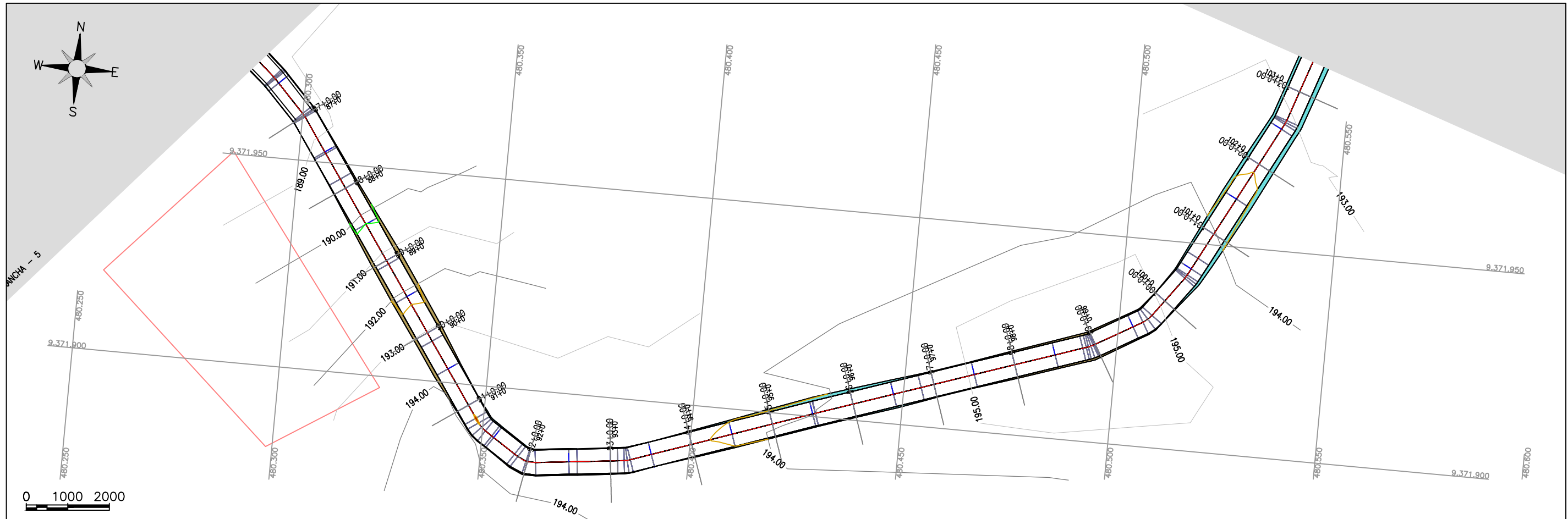
TERRENO NATURAL PROJETADO ATERRO CORTE CURVAS DE NÍVEL

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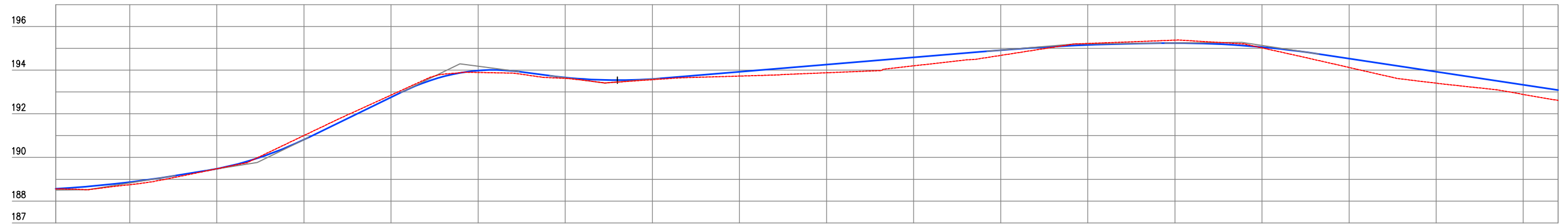


PREFEITURA MUNICIPAL DE MILHÃ	
RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE	
ESTAQUEAMENTO E PERFIL LONGITUDINAL	
PROJETISTA:	ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE
ARQUIVO:	MILHÃ A BARRA - GEO.DWG

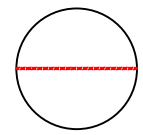
PRANCHA:
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 ESCALA:
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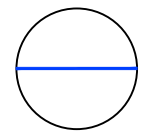
EIXO



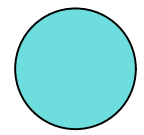
Estaca	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	103
Cota do terreno	188,556	188,751	189,479	191,004	192,856	193,893	193,622	193,562	193,727	193,879	194,197	194,674	195,220	195,373	195,019	194,121	193,402	192,886	192,616
Cota da terraplenagem	188,565	188,869	189,480	190,814	192,754	193,979	193,662	193,595	193,924	194,255	194,586	194,915	195,150	195,239	195,054	194,529	193,928	193,326	193,085
Cota vermelha	0,010	0,118	0,002	-0,190	-0,102	0,067	0,040	0,033	0,197	0,376	0,390	0,241	-0,070	-0,134	0,035	0,408	0,526	0,439	0,469



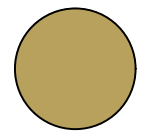
TERRENO NATURAL



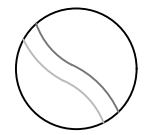
PROJETADO



ATERRO



CORTE



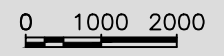
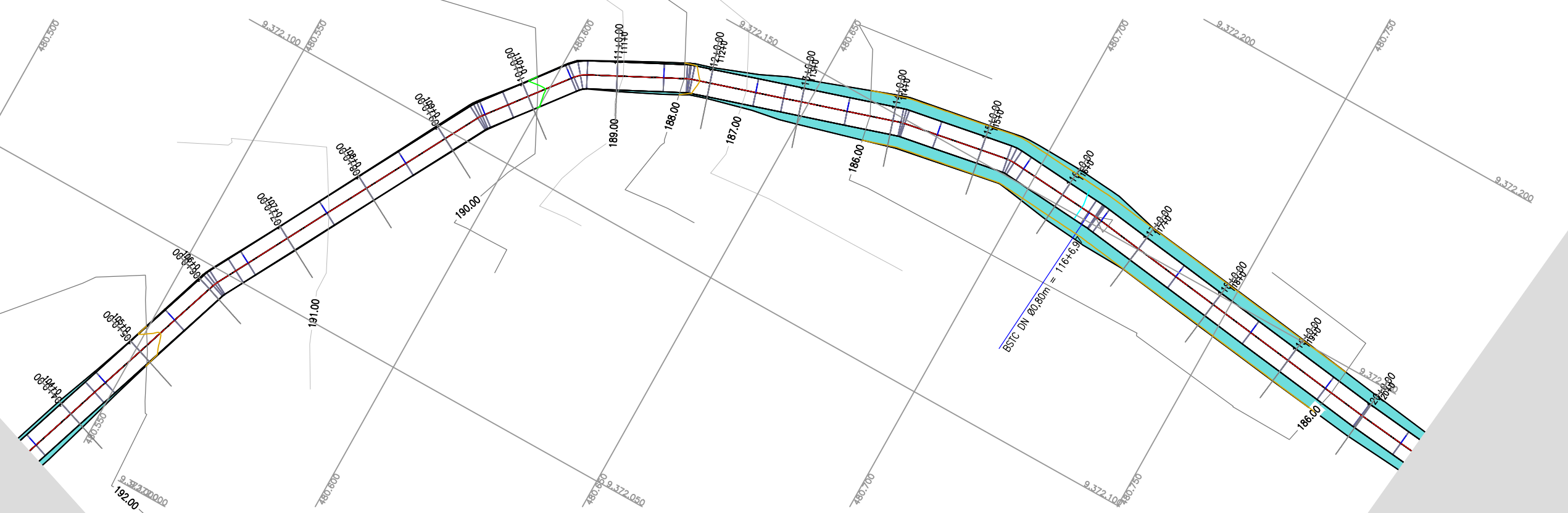
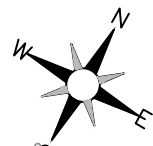
CURVAS DE NÍVEL

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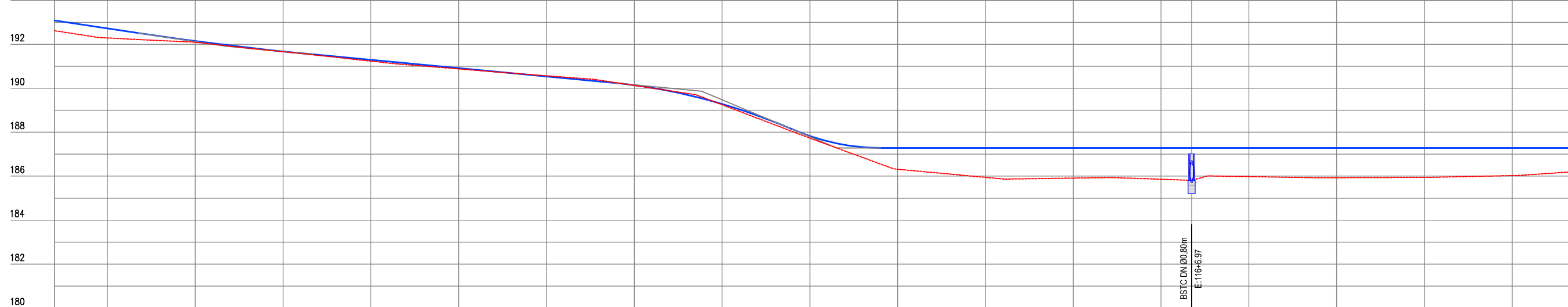


PREFEITURA MUNICIPAL DE MILHÃ	
RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE	
ESTAQUEAMENTO E PERFIL LONGITUDINAL	
PROJETISTA:	ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE
ARQUIVO:	MILHÃ A BARRA - GEO.DWG

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EIXO



Estação	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	
Cota do terreno	192,616	192,288	192,089	191,662	191,232	190,878	190,586	190,128	189,251	187,732	186,314	185,945	185,912	185,858	185,809	185,980	185,929	185,946	186,028	186,190
Cota da terraplenagem	193,085	192,724	192,146	191,674	191,289	190,912	190,534	190,139	189,285	187,823	187,286	187,286	187,286	187,286	187,286	187,286	187,286	187,286	187,286	187,286
Cota vermelha	0,469	0,436	0,057	0,012	0,057	0,033	-0,032	0,011	0,034	0,097	0,972	1,341	1,374	1,428	1,477	1,306	1,357	1,340	1,238	1,095

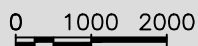
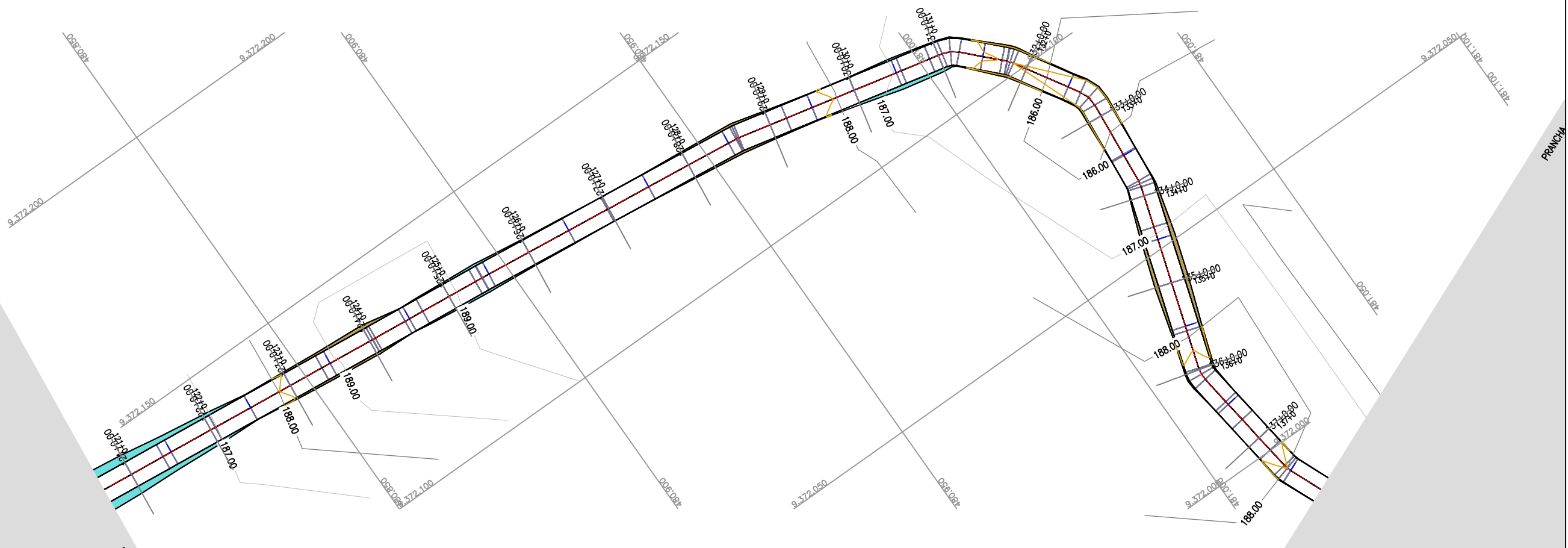
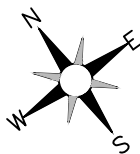
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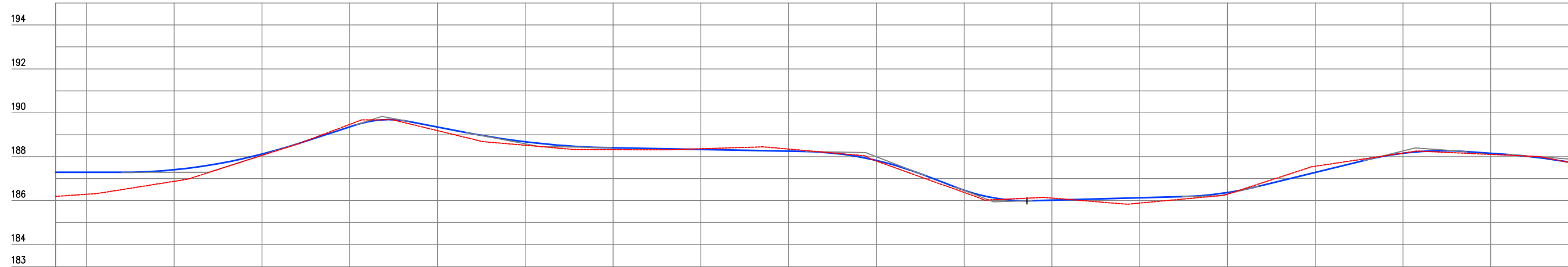
PREFEITURA MUNICIPAL DE MILHÃ
RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE
ESTAQUEAMENTO E PERFIL LONGITUDINAL

PROJETA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE
 ARQUIVO: MILHÃ A BARRA - GEO.DWG

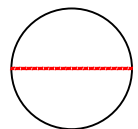
PRANCHA:
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 ESCALA:
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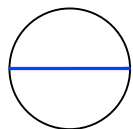
EIXO



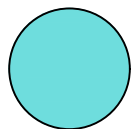
Estação	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	
Cota do terreno	186,190	186,287	186,877	188,058	189,472	189,186	188,520	188,322	188,361	188,346	187,801	186,368	186,113	185,887	186,294	187,563	188,165	188,103	187,734
Cota da terraplenagem	187,286	187,286	187,403	188,116	189,359	189,351	188,679	188,401	188,326	188,251	187,828	186,470	186,017	186,126	186,366	187,283	188,156	188,152	187,743
Cota vermelha	1,095	0,999	0,526	0,058	-0,113	0,165	0,160	0,080	-0,035	-0,096	0,027	0,102	-0,085	0,238	0,072	-0,280	-0,008	0,050	0,009



TERRENO NATURAL



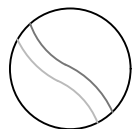
PROJETADO



ATERRO



CORTE



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

ESTAQUEAMENTO E PERFIL LONGITUDINAL

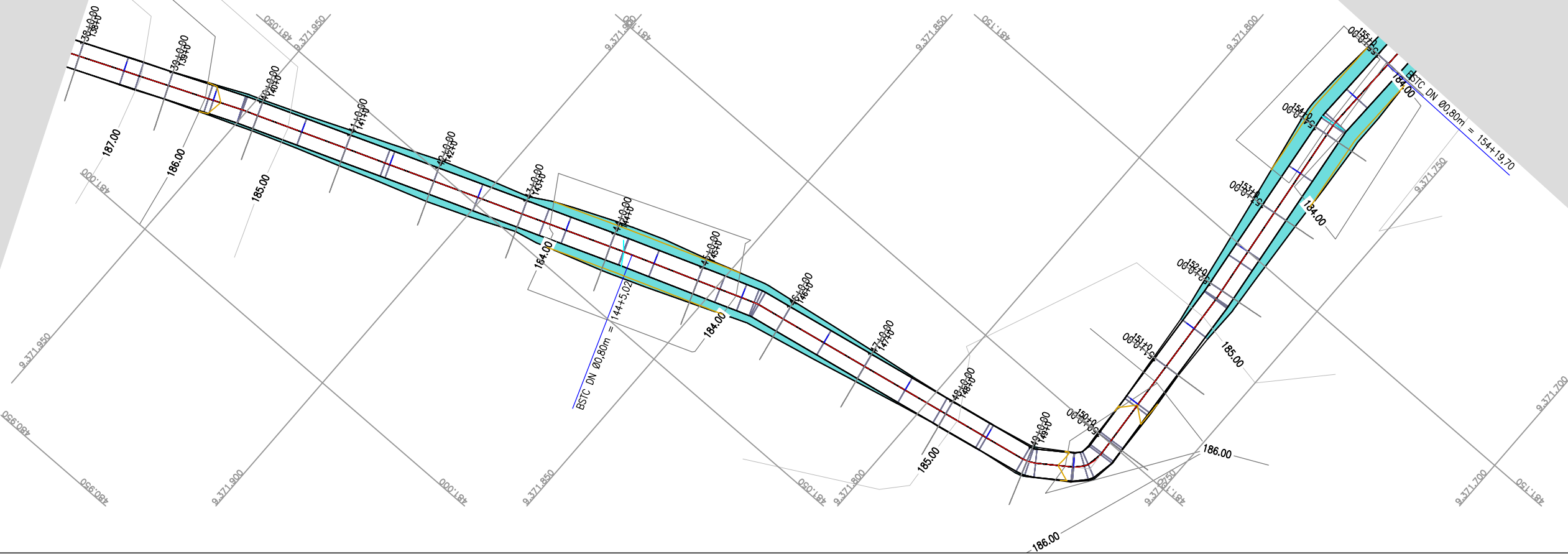
PROJETISTA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE
 ARQUIVO: MILHÃ A BARRA - GEO.DWG

PRANCHA:
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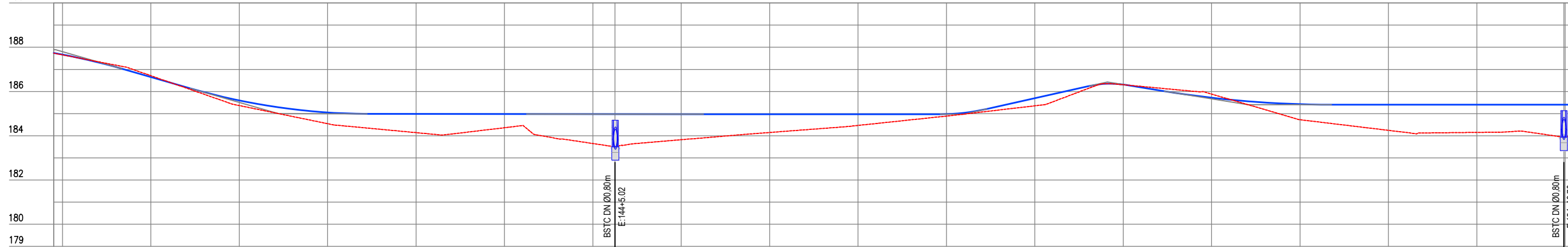
ESCALA:
1/1000



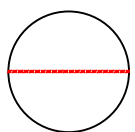
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 PRANCHA - 8



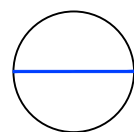
EIXO



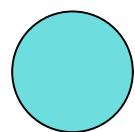
Cota vermelha	Cota da terraplanagem	Cota do terreno	Estaca
0,009	187,743	187,734	137
0,014	187,870	187,856	138
-0,059	186,655	186,714	139
0,233	185,598	185,365	140
0,507	185,053	184,546	141
0,849	184,990	184,141	142
0,821	184,984	184,363	143
1,329	184,978	183,650	144
1,478	184,978	183,500	144+5,02
1,155	184,976	183,821	145
0,828	184,976	184,148	146
0,509	184,976	184,467	147
0,091	184,980	184,889	148
0,343	185,697	185,353	149
0,007	186,313	186,306	150
-0,166	185,718	185,885	151
0,702	185,427	184,725	152
1,160	185,405	184,245	153
1,253	185,405	184,152	154
1,481	185,405	183,818	154+19,70
1,365	185,405	184,040	155



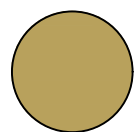
TERRENO NATURAL



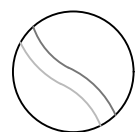
PROJETADO



ATERRO



CORTE



CURVAS DE NÍVEL

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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

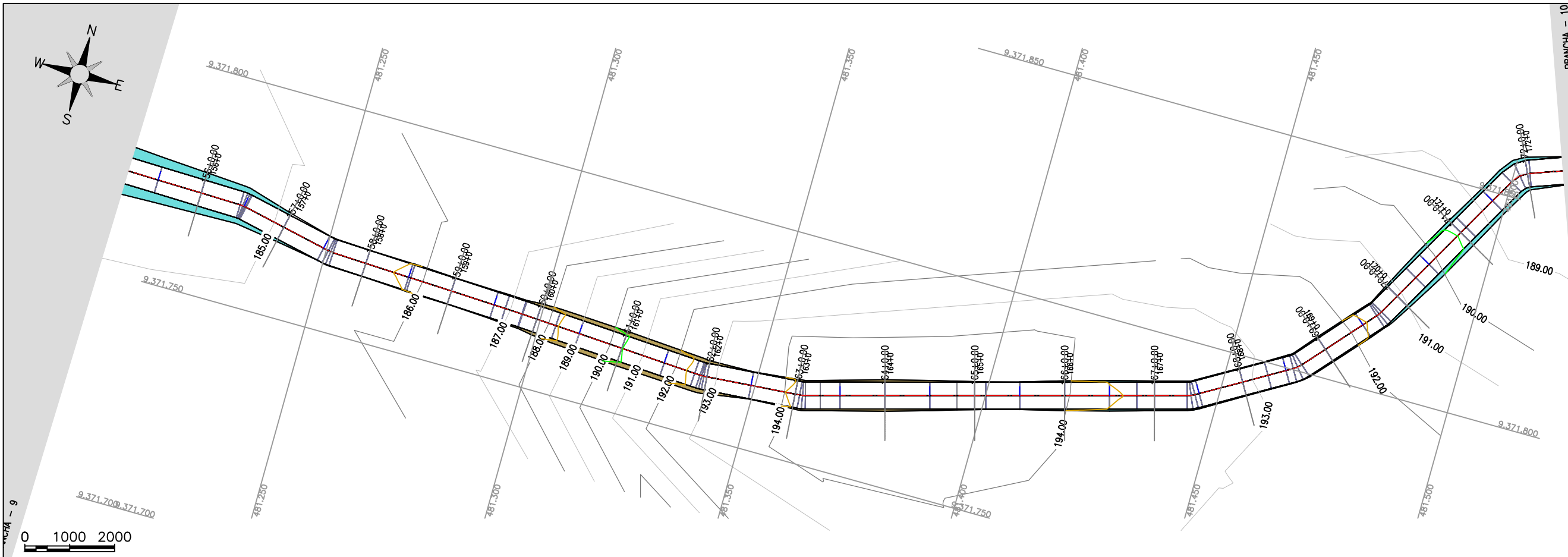
ARQUIVO: MILHÃ A BARRA - GEO.DWG

PRANCHA:

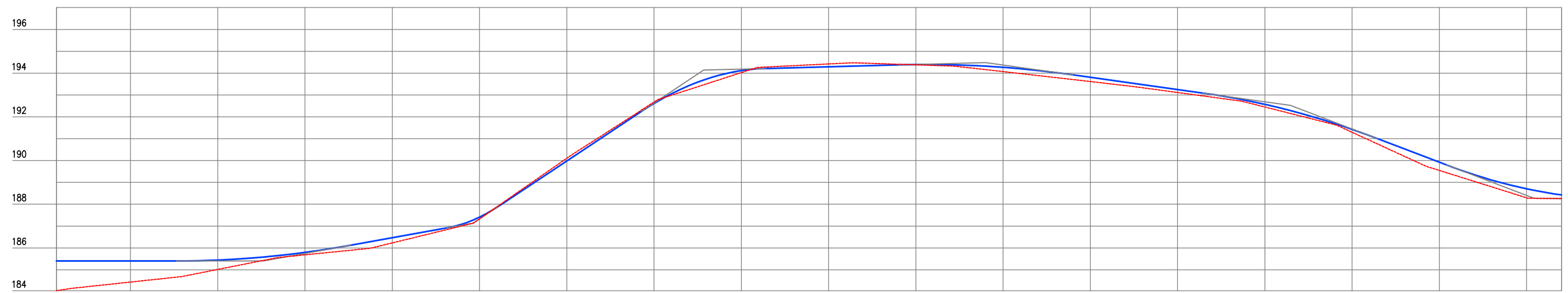
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ESCALA:

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EIXO



Estaca	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	172
Cota do terreno	184,040	184,438	185,015	185,685	186,230	187,332	190,105	192,676	194,024	194,421	194,380	194,070	193,614	193,114	192,450	191,293	189,546	188,290	188,264
Cota da terraplenagem	185,405	185,405	185,446	185,797	186,467	187,409	189,978	192,611	194,113	194,291	194,391	194,265	193,811	193,251	192,570	191,428	189,924	188,707	188,625
Cota vermelha	1,365	0,968	0,430	0,112	0,237	0,077	-0,127	-0,066	0,090	-0,130	0,011	0,195	0,197	0,137	0,120	0,134	0,377	0,417	0,161

TERRENO NATURAL PROJETADO ATERRO CORTE CURVAS DE NÍVEL

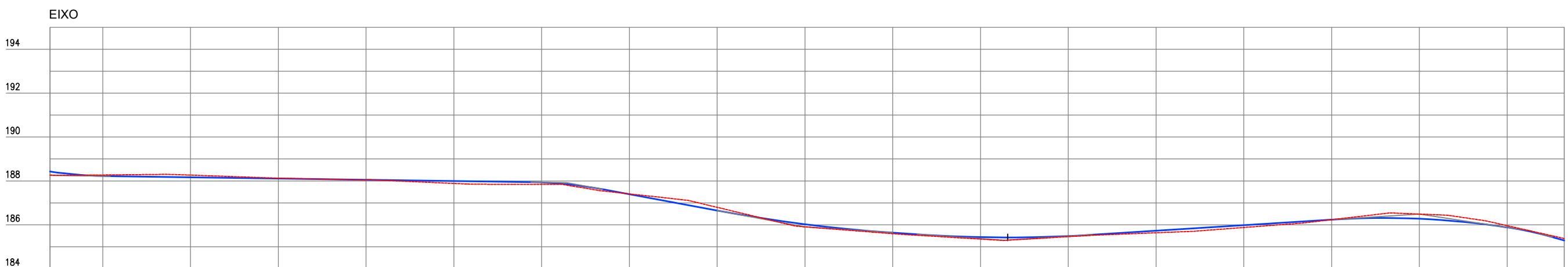
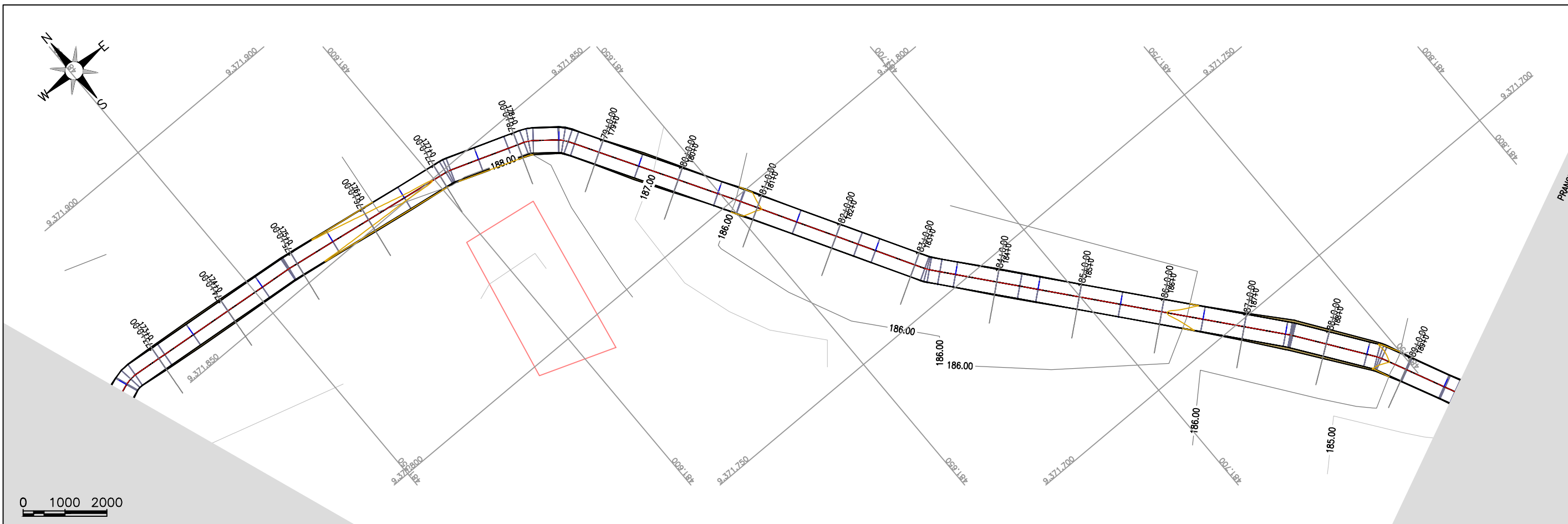
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 Arthur Moreira Torquato
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PREFEITURA MUNICIPAL DE MILHÃ
RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE
ESTAQUEAMENTO E PERFIL LONGITUDINAL

PROJETA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE
 ARQUIVO: MILHÃ A BARRA - GEO.DWG

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Estaca	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	189
Cota do terreno	188,264	188,270	188,265	188,125	188,050	187,886	187,845	187,409	186,797	185,909	185,596	185,350	185,460	185,638	185,877	186,234	186,489	185,962	185,376
Cota da terraplenagem	188,425	188,222	188,163	188,107	188,050	187,994	187,931	187,392	186,650	186,027	185,639	185,438	185,487	185,730	185,983	186,236	186,275	185,884	185,289
Cota vermelha	0,161	-0,046	-0,102	-0,019	0,001	0,108	0,086	-0,018	-0,147	0,118	0,044	0,087	0,027	0,092	0,106	0,003	-0,215	-0,078	-0,087

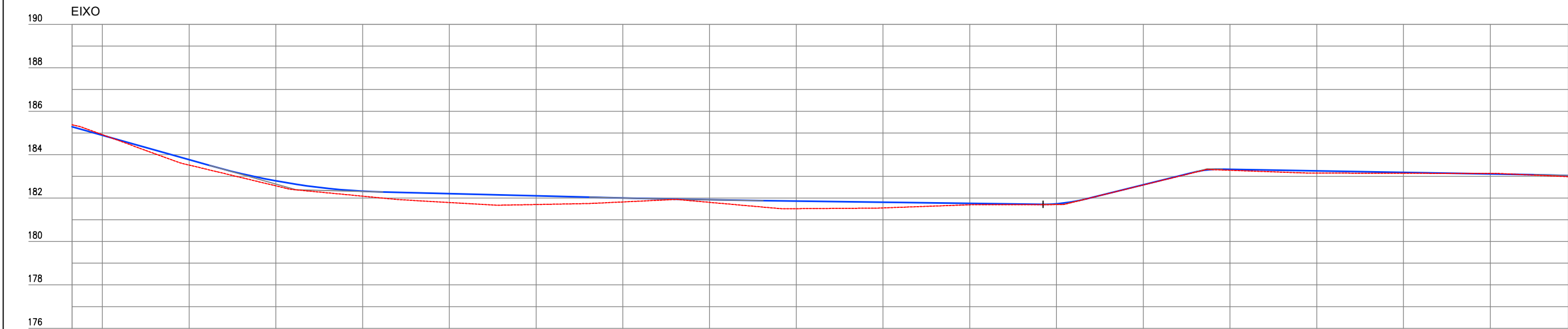
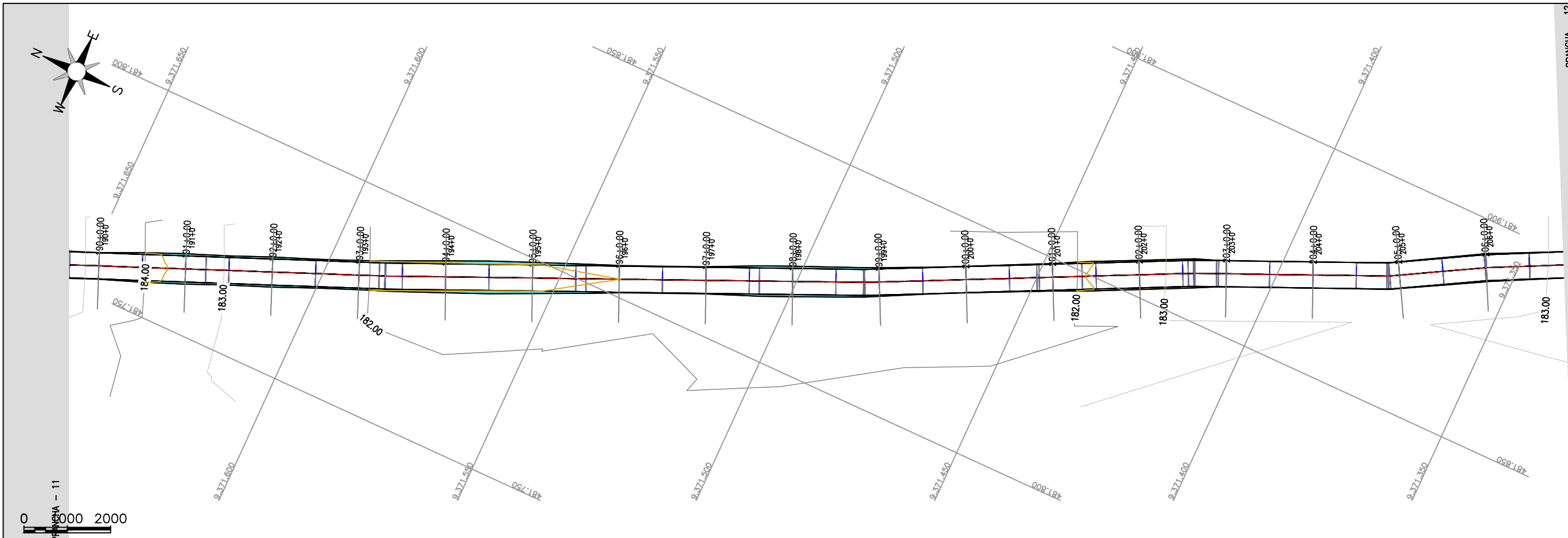
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PREFEITURA MUNICIPAL DE MILHÃ
RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE
ESTAQUEAMENTO E PERFIL LONGITUDINAL

PROJETA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE
 ARQUIVO: MILHÃ A BARRA - GEO.DWG

PRANCHA:
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 ESCALA:
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Estaca	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	
Cota da terreno	185,376	184,923	183,521	182,564	182,087	181,795	181,703	181,822	181,803	181,512	181,547	181,690	181,700	182,603	183,280	183,151	183,142	183,133	182,985
Cota da terraplenagem	185,289	184,895	183,769	182,793	182,316	182,201	182,101	182,002	181,922	181,864	181,811	181,758	181,738	182,615	183,327	183,254	183,182	183,109	183,032
Cota vermelha	-0,087	-0,028	0,248	0,229	0,229	0,406	0,398	0,180	0,119	0,352	0,264	0,067	0,038	0,012	0,047	0,103	0,040	-0,024	0,047

TERRENO NATURAL

PROJETADO

ATERRO

CORTE

CURVAS DE NÍVEL

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

JOTA BARROS PROJETOS

PREFEITURA MUNICIPAL DE MILHÃ

RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE

ESTAQUEAMENTO E PERFIL LONGITUDINAL

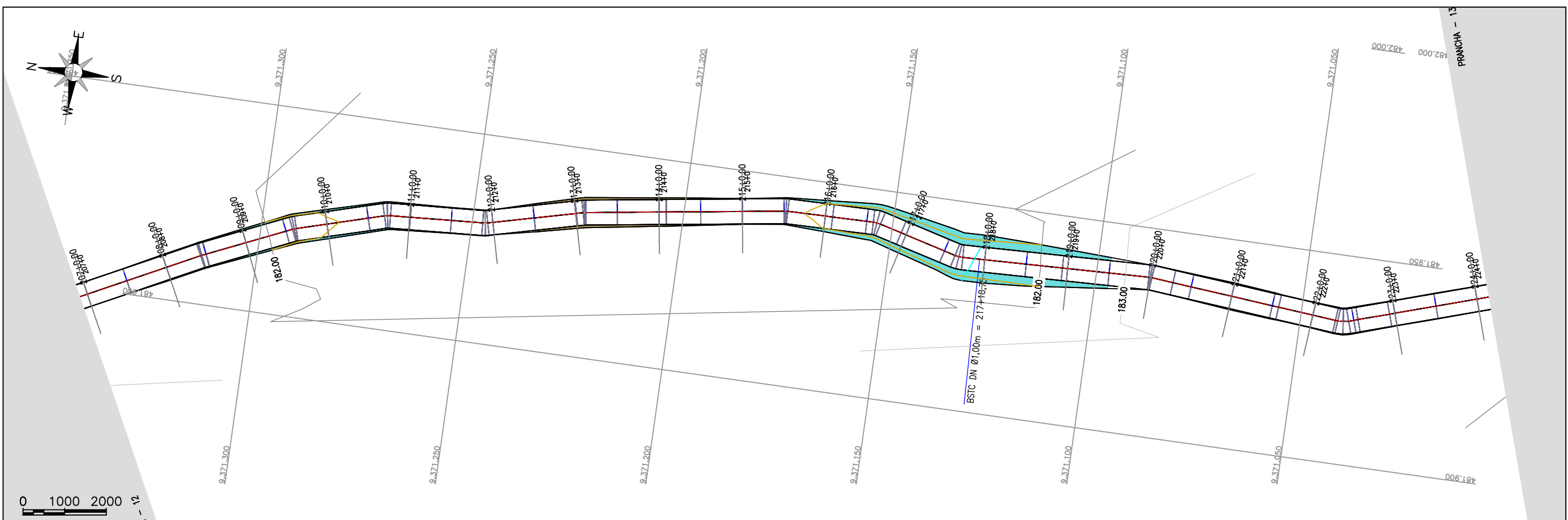
PROJETISTA:	ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE
ARQUIVO:	MILHÃ A BARRA - GEO.DWG

PRANCHA:

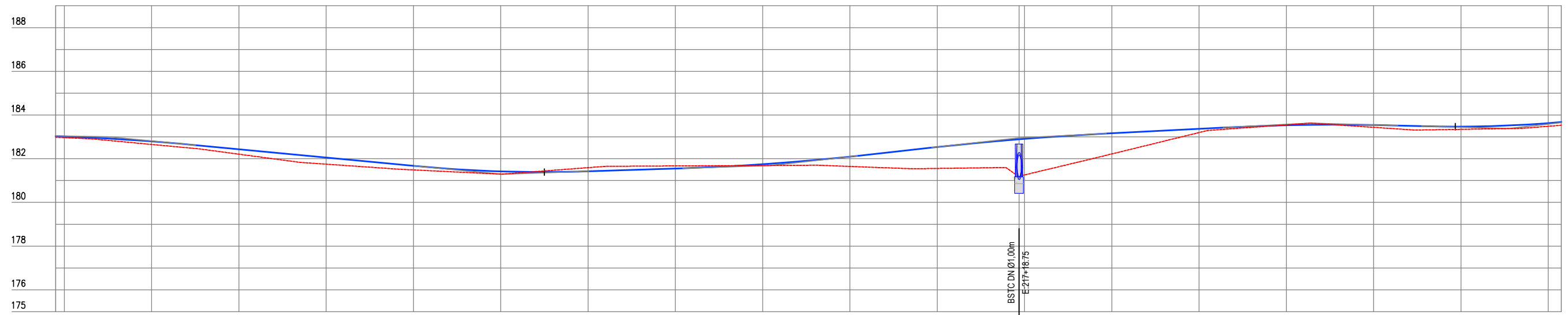
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ESCALA:

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EIXO



Cota vermelha	Cota da topografia	Cota do terreno	Estaca
0,047	183,032	182,985	206
0,051	183,018	182,967	207
0,139	182,792	182,653	208
0,225	182,433	182,208	209
0,304	182,054	181,750	210
0,186	181,675	181,489	211
0,127	181,421	181,295	212
-0,169	181,422	181,591	213
-0,119	181,551	181,670	214
0,055	181,746	181,691	215
0,448	182,095	181,647	216
0,979	182,535	181,555	217
1,212	182,888	181,676	217+16,75
0,945	183,164	182,220	219
0,171	183,368	183,197	220
-0,019	183,531	183,549	221
0,106	183,543	183,437	222
0,123	183,468	183,345	223
0,144	183,629	183,485	224
0,146	183,678	183,532	224

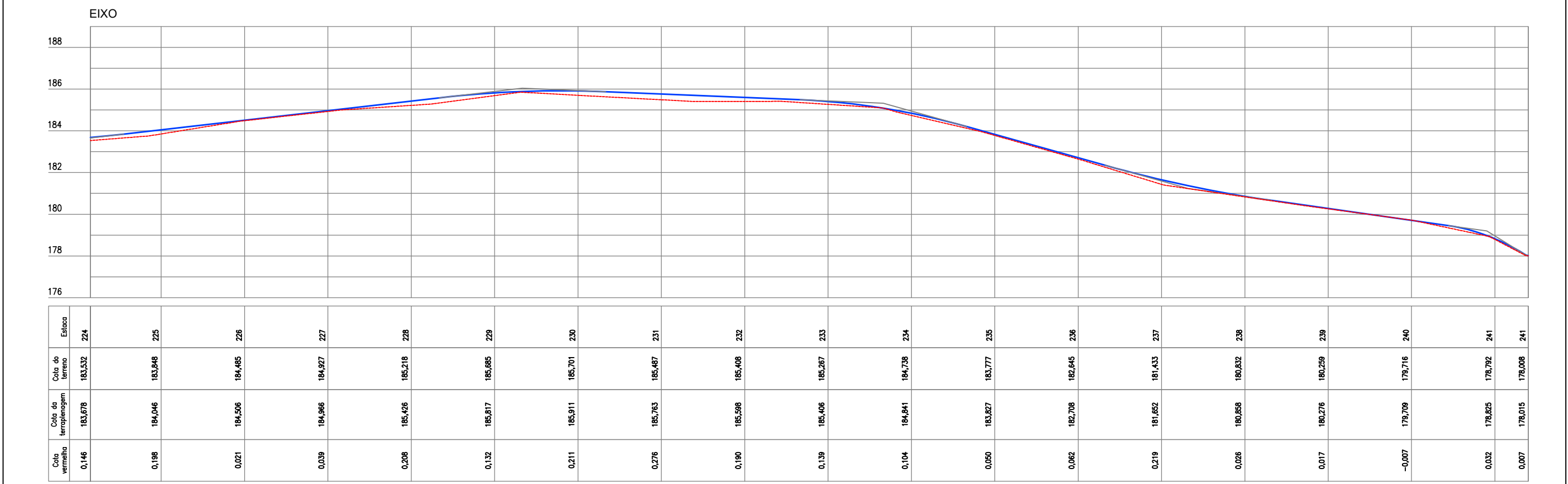
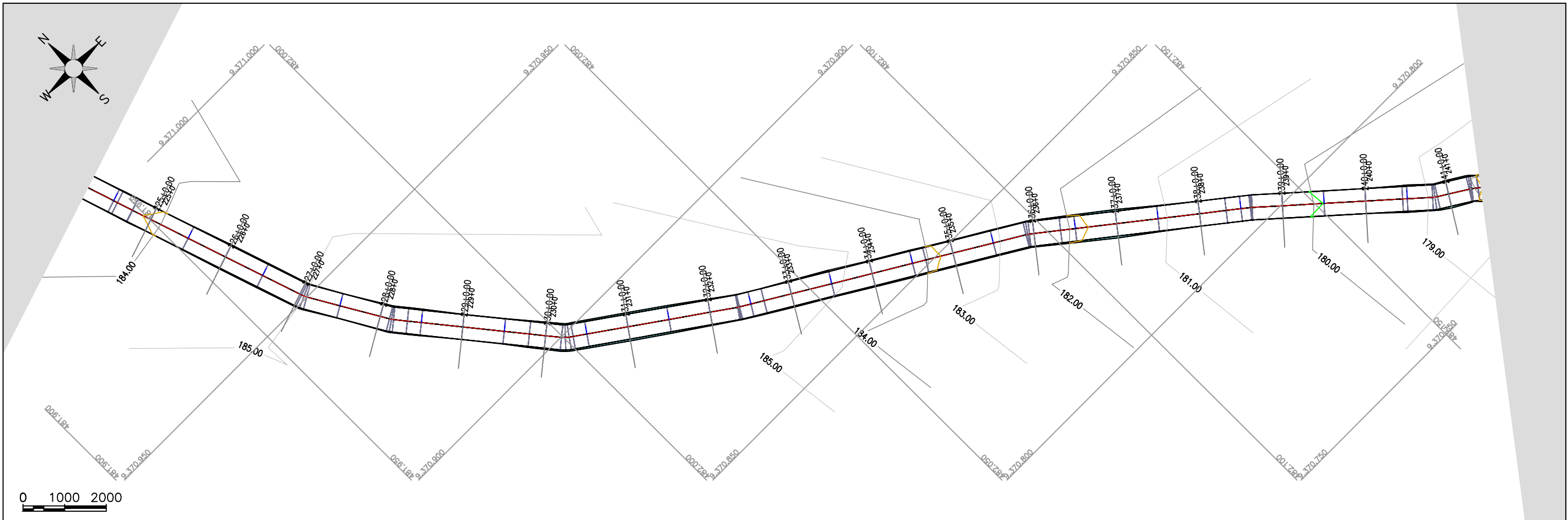
TERRENO NATURAL PROJETADO ATERRO CORTE CURVAS DE NÍVEL

JOTA BARROS PROJETOS
 Arthur Moreira Torquato
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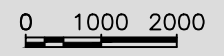
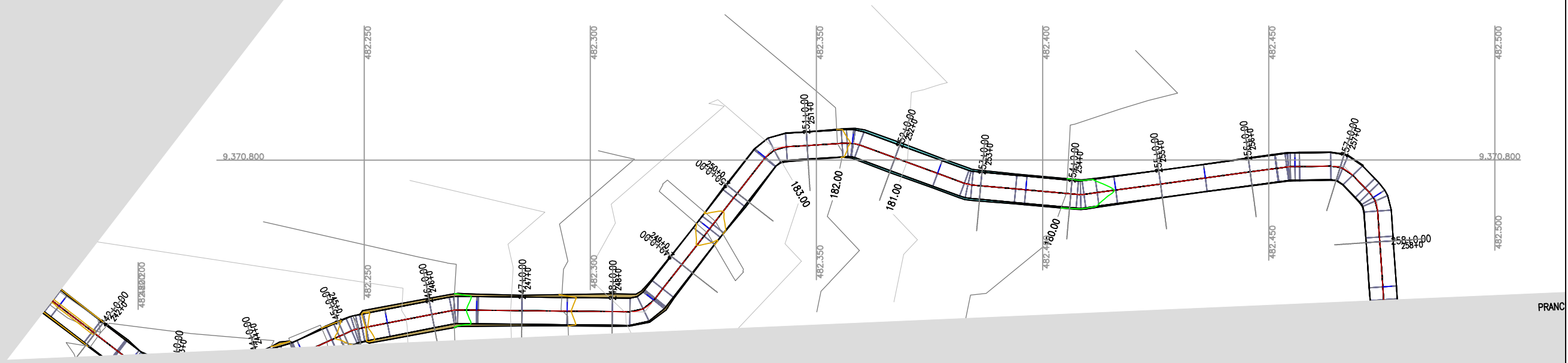
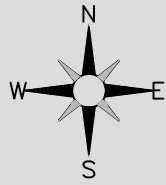


PREFEITURA MUNICIPAL DE MILHÃ	
RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE	
ESTAQUEAMENTO E PERFIL LONGITUDINAL	
PROJETISTA:	ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE
ARQUIVO:	MILHÃ A BARRA - GEO.DWG

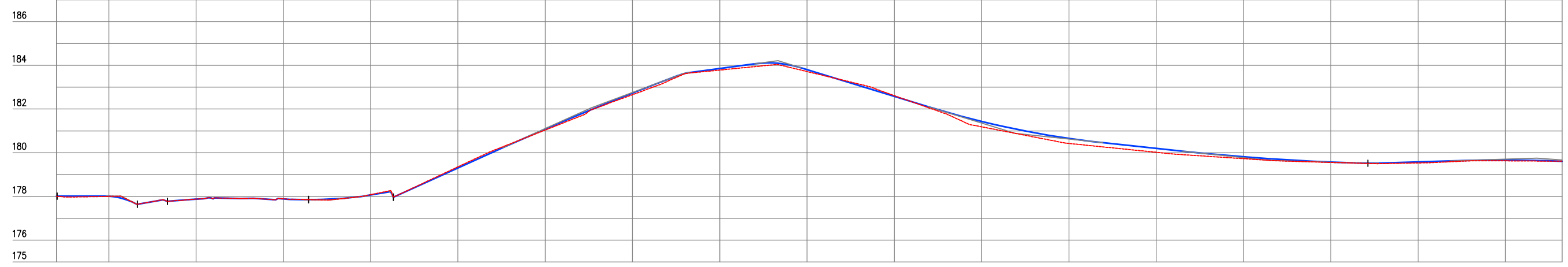
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<p>TERRENO NATURAL PROJETADO ATERRO CORTE CURVAS DE NÍVEL</p>	<p>JOTA BARROS PROJETOS Arthur Moreira Torquato Engº Civil - CREA 53900D - CE</p>	<p>JOTA BARROS PROJETOS</p>	<p>PREFEITURA MUNICIPAL DE MILHÃ</p> <p>RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE</p> <p>ESTAQUEAMENTO E PERFIL LONGITUDINAL</p>		<p>PRANCHA:</p> <p>14 / 18</p>
			<p>PROJETISTA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE</p> <p>ARQUIVO: MILHÃ A BARRA - GEO.DWG</p>	<p>ESCALA:</p> <p>1/1000</p>	



EIXO



Estaca	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258
Cota do terreno	178,008	178,003	177,877	177,893	178,081	179,354	181,039	182,658	183,785	183,716	182,613	181,186	180,425	180,021	179,730	179,556	179,533	179,612
Cota da terraplenagem	178,015	178,010	177,874	177,889	178,066	179,301	181,085	182,735	183,857	183,803	182,581	181,434	180,656	180,202	179,815	179,571	179,583	179,664
Cota vermelha	0,007	0,007	-0,003	-0,006	-0,015	-0,053	0,046	0,077	0,072	0,087	-0,032	0,248	0,230	0,181	0,085	0,015	0,050	0,034

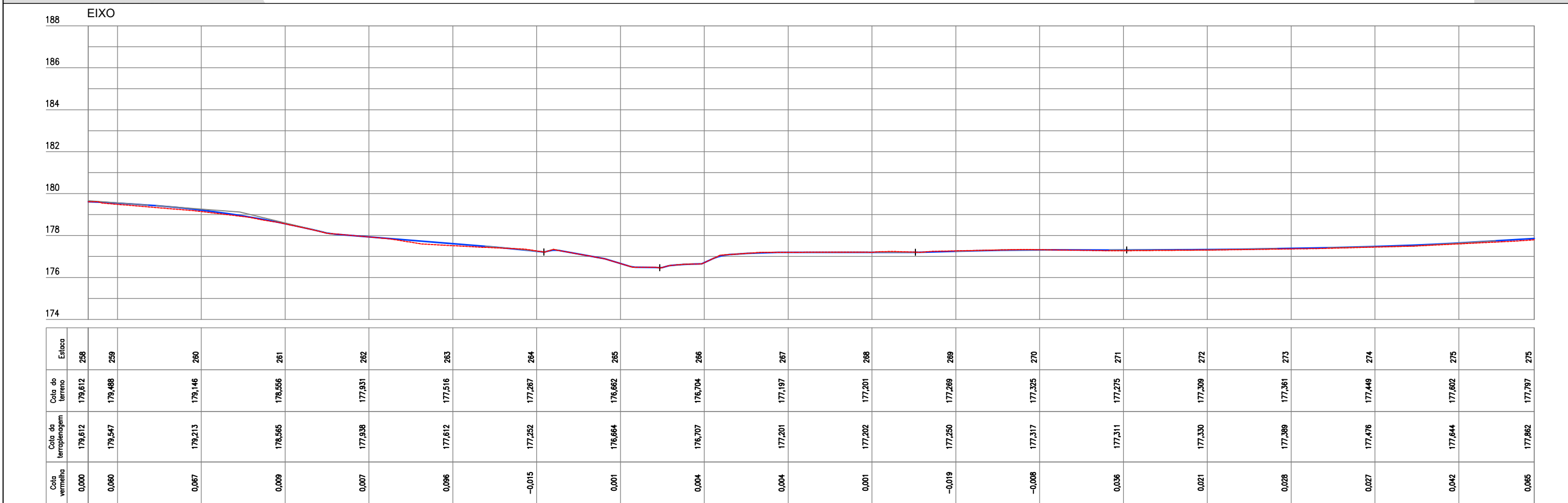
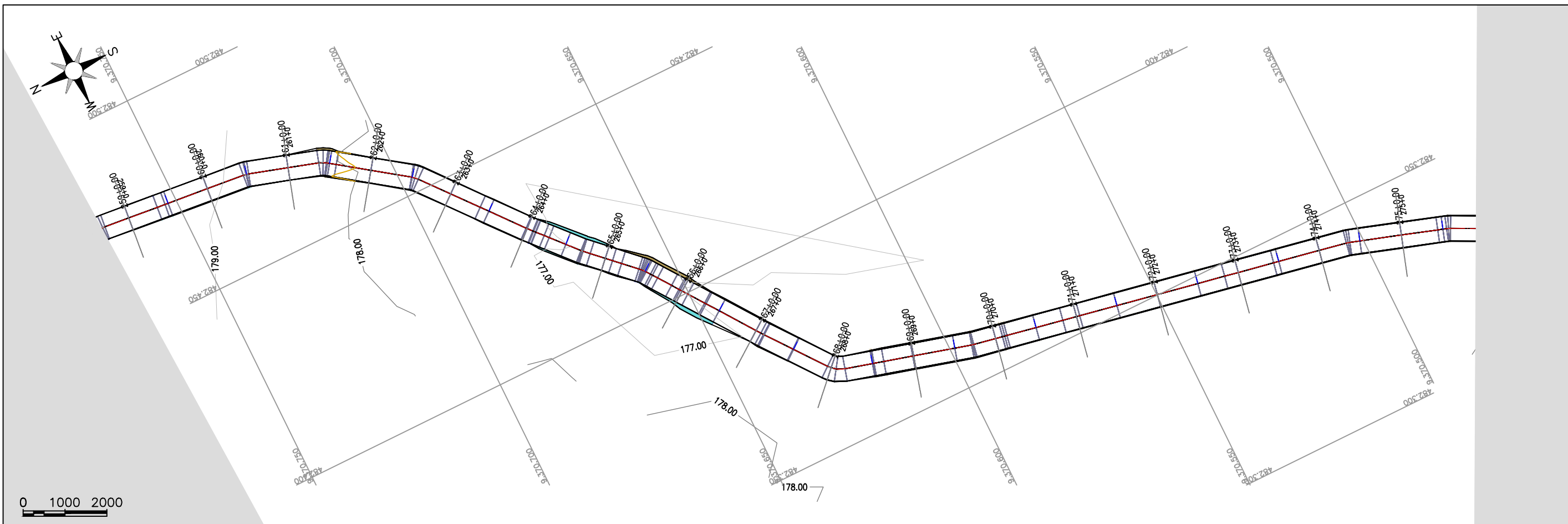
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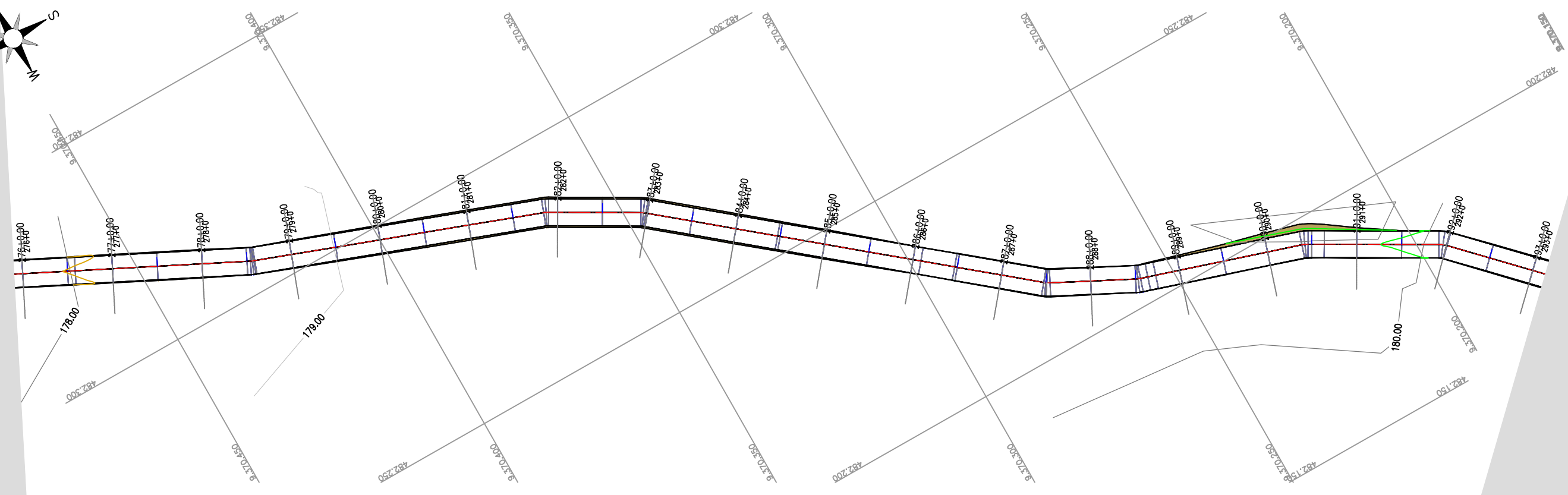
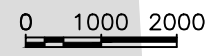
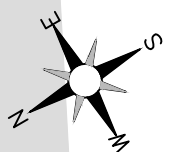
PREFEITURA MUNICIPAL DE MILHÃ
RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE
ESTAQUEAMENTO E PERFIL LONGITUDINAL

PROJETA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE
 ARQUIVO: MILHÃ A BARRA - GEO.DWG

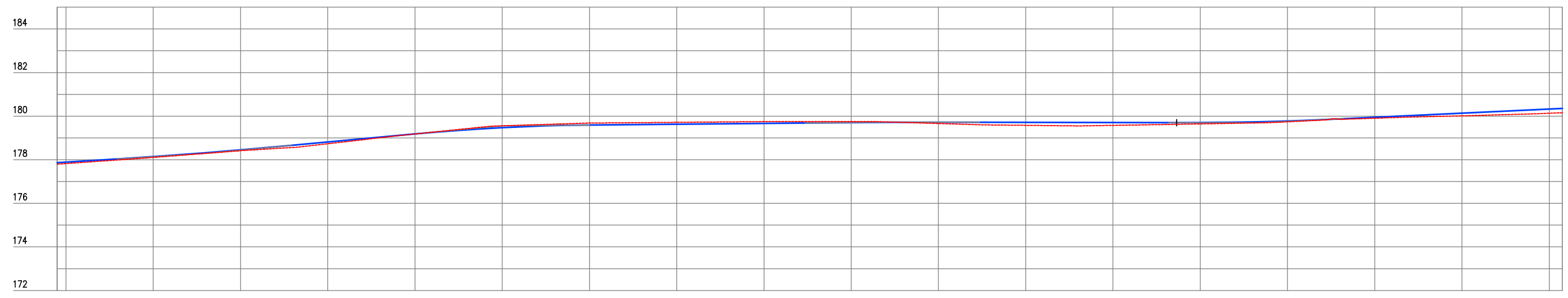
PRANCHA:
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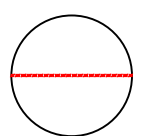
<p>TERRENO NATURAL PROJETADO ATERRO CORTE CURVAS DE NÍVEL</p>	<p>JOTA BARROS PROJETOS Arthur Moreira Torquato Engº Civil - CREA 53900D - CE</p>	<p>JOTA BARROS PROJETOS</p>	<p>PREFEITURA MUNICIPAL DE MILHÃ</p> <p>RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE</p> <p>ESTAQUEAMENTO E PERFIL LONGITUDINAL</p>		<p>PRANCHA:</p> <p>16 / 18</p>
			<p>PROJETISTA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE</p> <p>ARQUIVO: MILHÃ A BARRA - GEO.DWG</p>	<p>ESCALA:</p> <p>1/1000</p>	



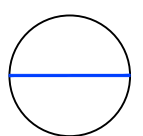
EIXO



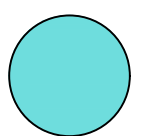
Estaca	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	
Cota do terreno	177,797	177,825	178,107	178,414	178,734	179,183	179,558	179,683	179,716	179,750	179,752	179,662	179,579	179,577	179,644	179,740	179,906	180,014	180,134	180,159
Cota da terraplenagem	177,862	177,887	178,144	178,451	178,813	179,185	179,474	179,596	179,633	179,671	179,706	179,720	179,714	179,705	179,702	179,779	179,949	180,136	180,328	180,357
Cota vertical	0,065	0,063	0,038	0,037	0,079	0,002	-0,084	-0,087	-0,083	-0,079	-0,046	0,057	0,135	0,127	0,058	0,039	0,043	0,124	0,194	0,198



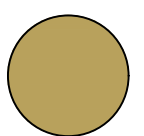
TERRENO NATURAL



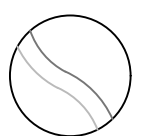
PROJETADO



ATERRO



CORTE



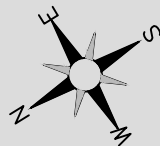
CURVAS DE NÍVEL

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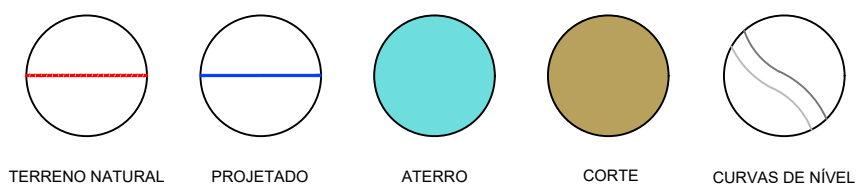
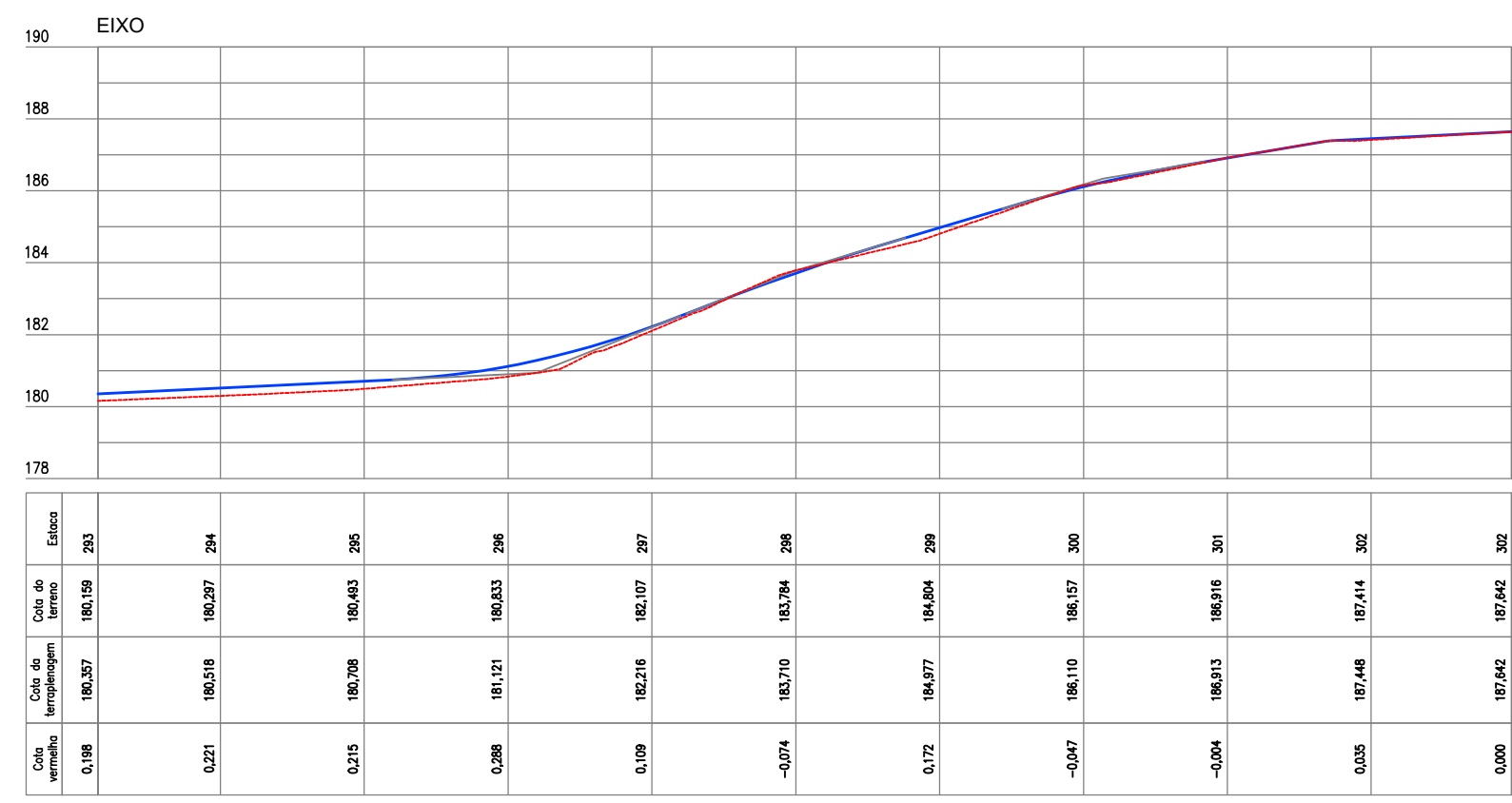
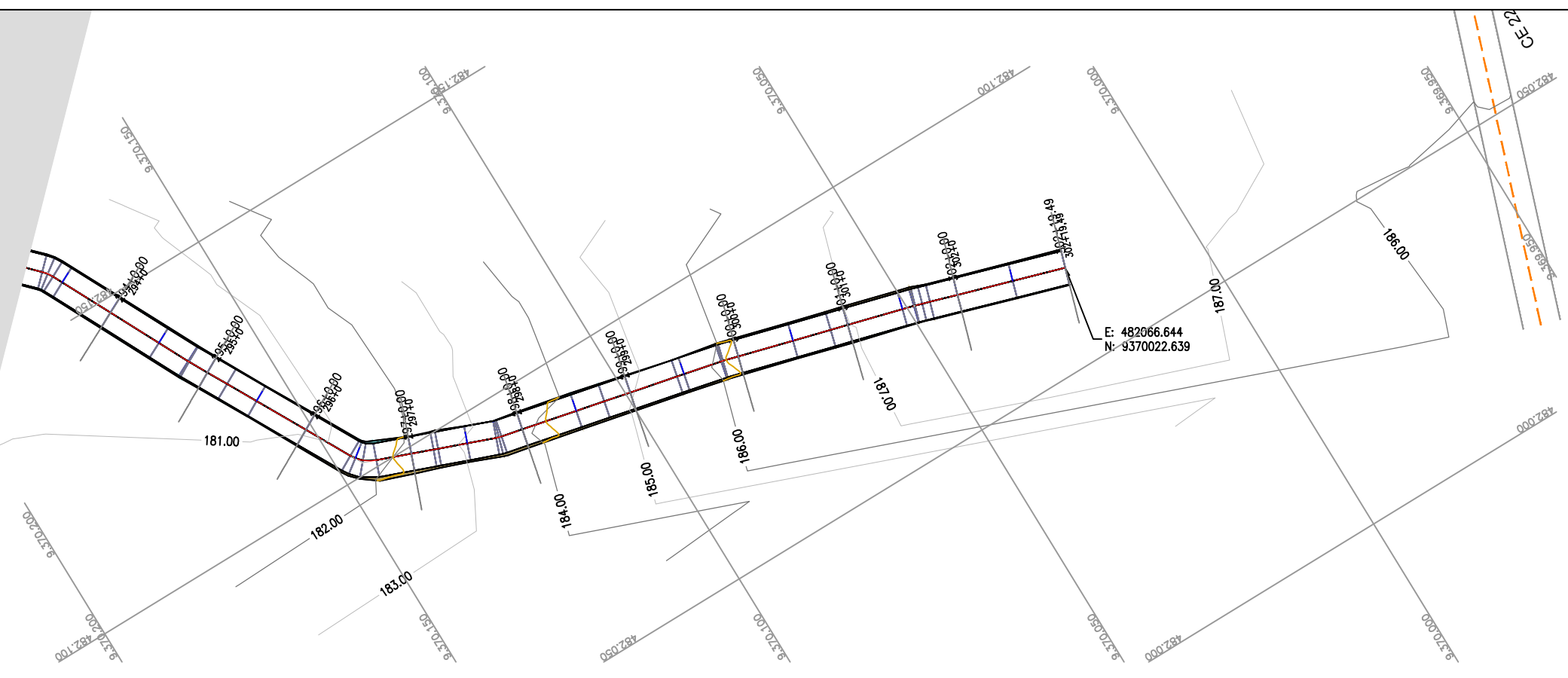
PREFEITURA MUNICIPAL DE MILHÃ
 RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE MILHÃ-CE
ESTAQUEAMENTO E PERFIL LONGITUDINAL
 PROJETA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900D-CE
 ARQUIVO: MILHÃ A BARRA - GEO.DWG

PRANCHA:
17 / 18
 ESCALA:
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PRANCHA - 17



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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: MILHÃ A BARRA - GEO.DWG

PRANCHA:
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ESCALA:
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