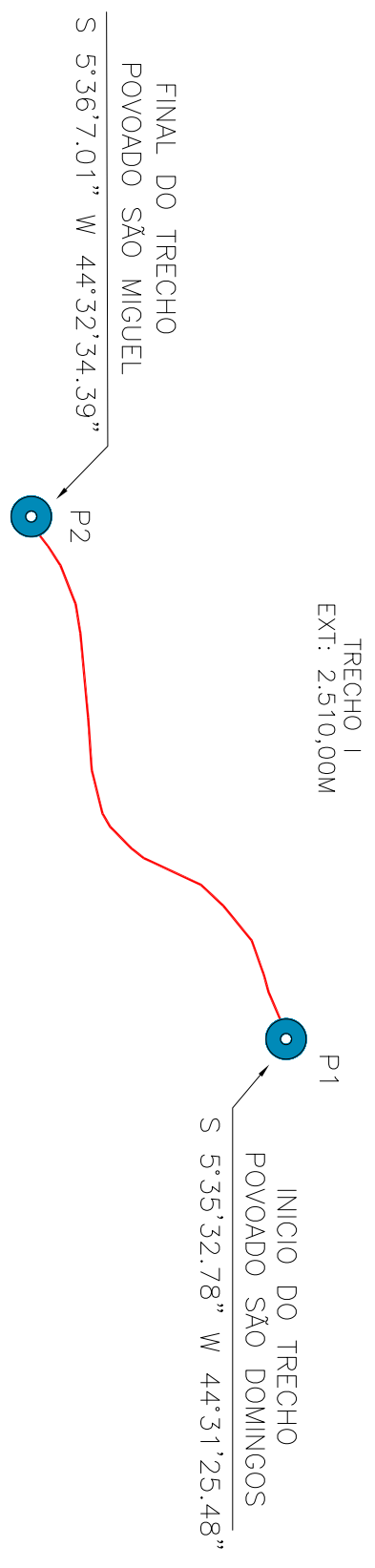
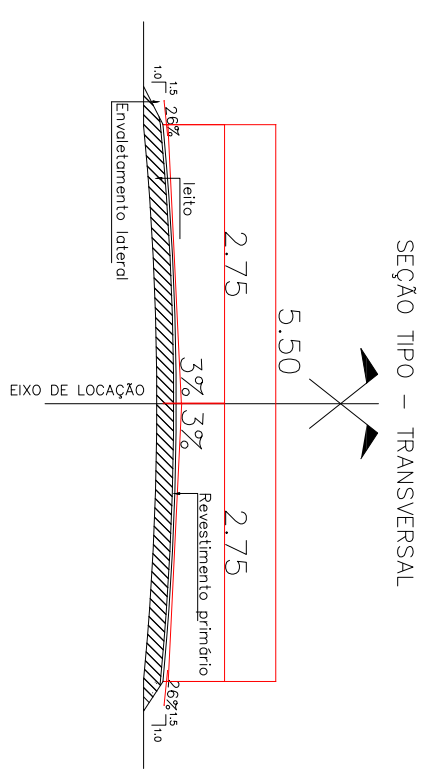
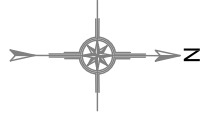


**LOCALIZAÇÃO**  
SEM ESCALA

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE TUNTUM/MA	
PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA	
TÍTULO: LOCALIZAÇÃO	PRANCHA: 01/71
ESCALA:	DATA: JAN/2024

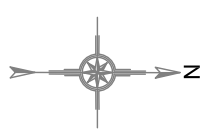


TRECHO I: DO POVOADO SÃO DOMINGOS AO POVOADO SÃO MIGUEL. EXT: 2.510,00 M

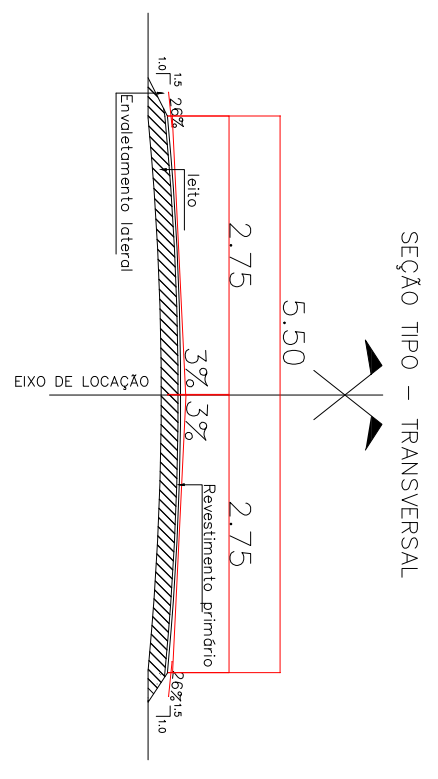
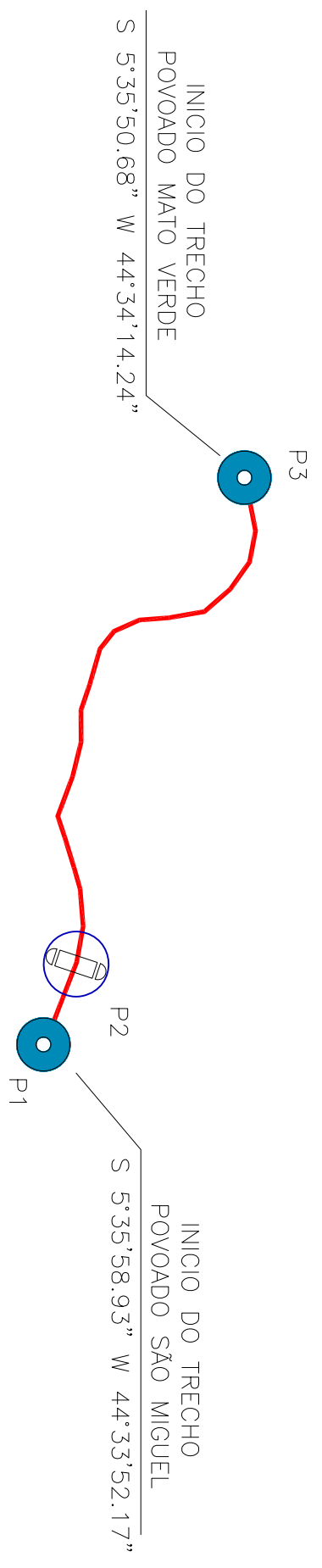
ORDEM	DESCRIÇÃO	COORDERNADA GPS/SAD-69
P1	POVOADO SÃO DOMINGOS	S 5°35'32.78" W 44°31'25.48"
P2	POVOADO SÃO MIGUEL	S 5°36'7.01" W 44°32'34.39"



PROPRIETÁRIO: <b>PREFEITURA MUNICIPAL DE TUNTUM/MA</b>			
PROJETO: <b>RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA</b>		PRANCHA: <b>02/71</b>	
TÍTULO: <b>IMPLANTAÇÃO</b>	ESCALA:	DATA: <b>JAN/2024</b>	



TRECHO II  
EXT: 830,00M

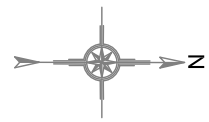


TRECHO II.: DO POVOADO SÃO MIGUEL AO POVOADO MATO VERDE. EXT: 830 M

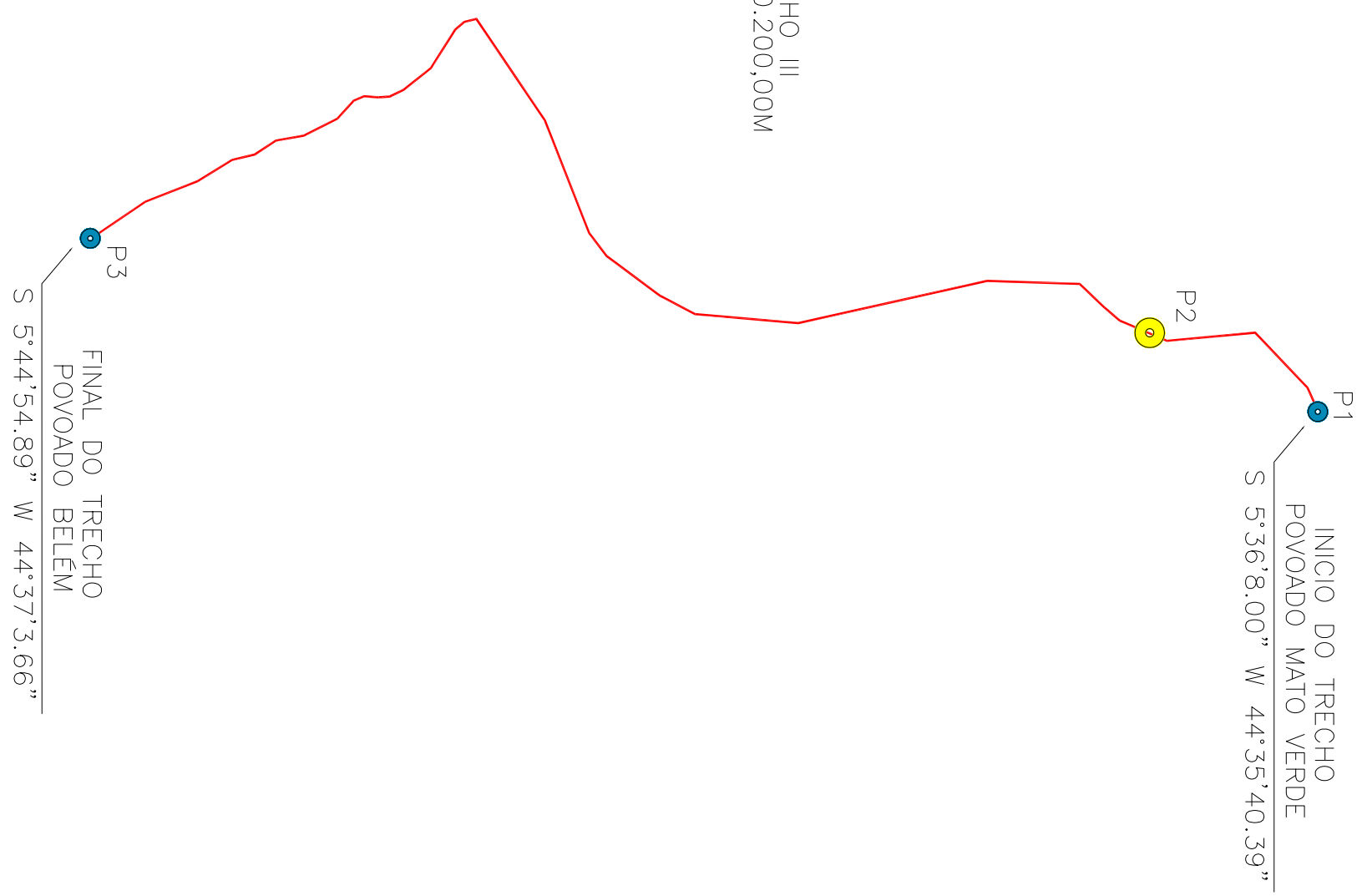
ORDEM	DESCRIÇÃO	COORDERNADA GPS/SAD-69
P1	POVOADO SÃO MIGUEL	S 5°35'58.93" W 44°33'52.17"
P2	BUEIRO - BSTC 1,00m (IMPLANTAR)	S 5°35'58.40" W 44°33'53.21"
P3	POVOADO MATO VERDE	S 5°35'50.68" W 44°34'14.24"



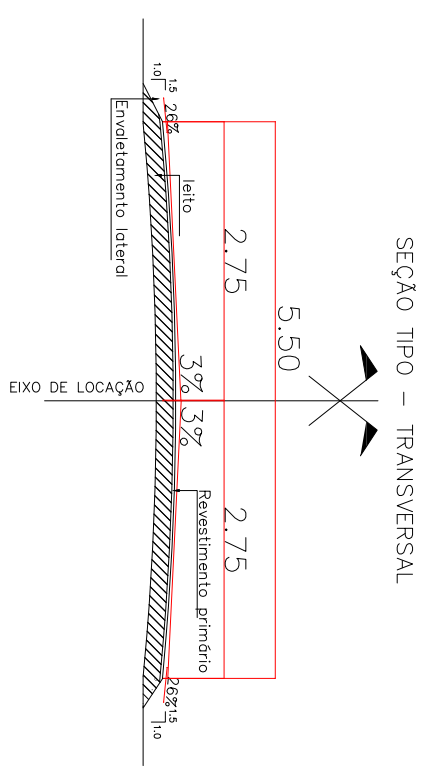
PROPRIETÁRIO: <b>PREFEITURA MUNICIPAL DE TUNTUM/MA</b>		PRANCHA: <b>03/71</b>	
PROJETO: <b>RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA</b>		DATA: <b>JAN/2024</b>	
TÍTULO: <b>IMPLANTAÇÃO</b>		ESCALA:	



TRECHO III  
 EXT: 20.200,00M



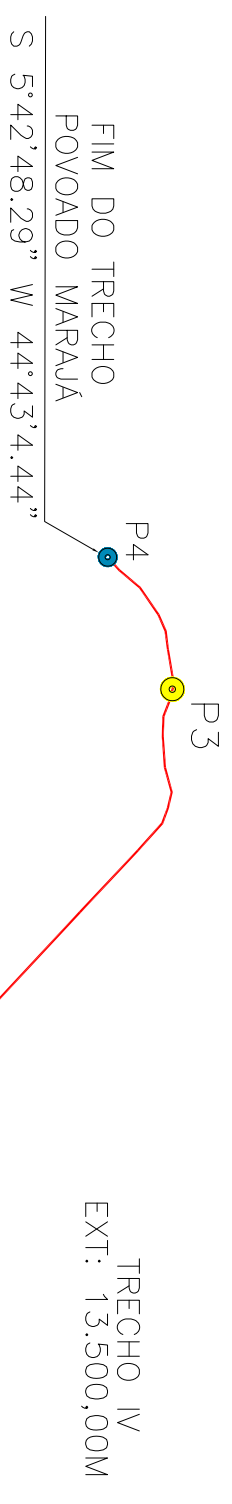
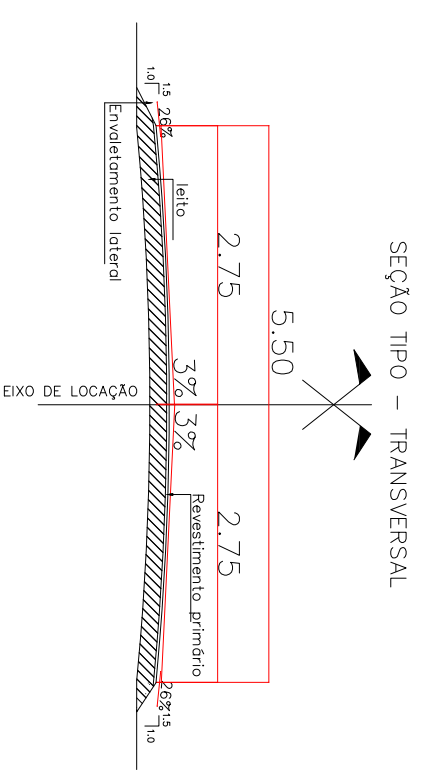
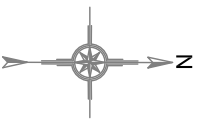
IMPLANTAÇÃO  
 SEM ESCALA



TRECHO III.: DO POVOADO MATO VERDE AO POVOADO BELÉM. EXT 20.200,00 M

ORDEM	DESCRIÇÃO	COORDENADA GPS/SAD-69
P1	POVOADO MATO VERDE	S 5°36'8,00" W 44°35'40,39"
P2	PONTE	S 5°37'17,00" W 44°36'16,00"
P3	POVOADO BELÉM	S 5°44'54,89" W 44°37'3,66"

PROPRIETÁRIO: <b>PREFEITURA MUNICIPAL DE TUNTUM/MA</b>		PRANCHA: <b>04/71</b>	
PROJETO: <b>RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA</b>			
TÍTULO: <b>IMPLANTAÇÃO</b>	ESCALA:	DATA: <b>JAN/2024</b>	

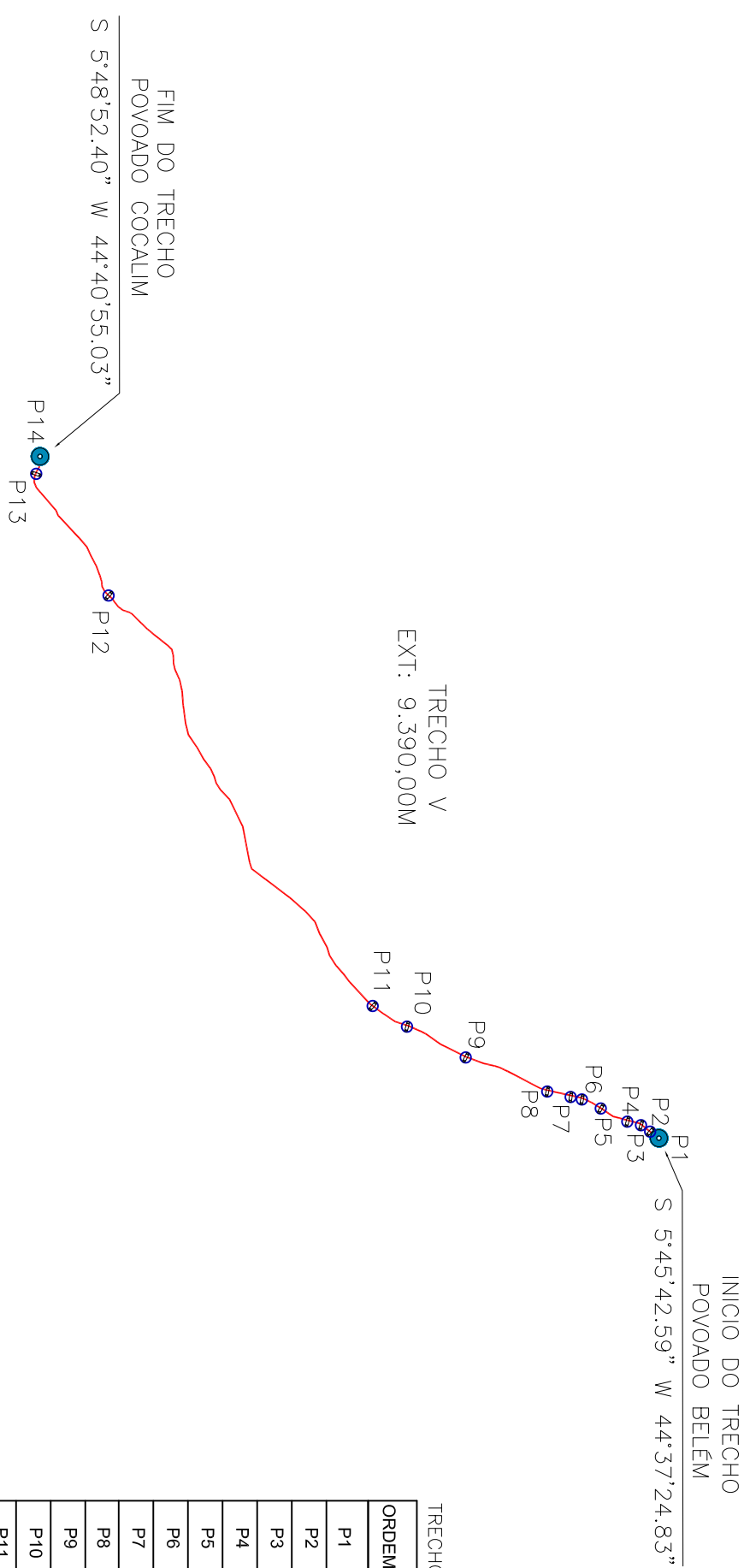
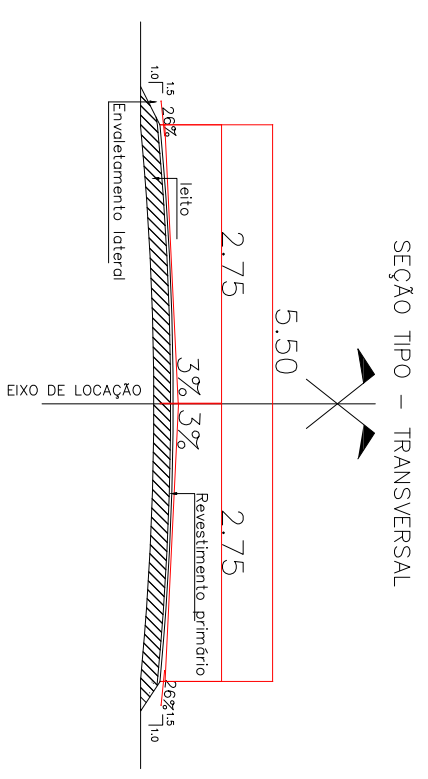
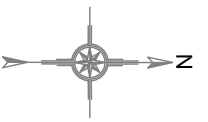


TRECHO IV.: DO POVOADO BELÉM AO POVOADO MARAJÁ. EXT: 13.500,00 M

ORDEM	DESCRIÇÃO	COORDENADA GPS/SAD-69
P1	POVOADO BELÉM	S 5°45'14.00" W 44°37'4.00"
P2	BUEIRO - BSTC 1,00m (IMPLANTAR)	S 5°45'10.00" W 44°37'10.00"
P3	PONTE	S 5°42'31.00" W 44°42'29.00"
P4	POVOADO MARAJÁ	S 5°42'48.29" W 44°43'4.44"



PROPRIETÁRIO: <b>PREFEITURA MUNICIPAL DE TUNTUM/MA</b>	
PROJETO: <b>RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA</b>	PRANCHA: <b>05/71</b>
TÍTULO: <b>IMPLANTAÇÃO</b>	ESCALA:
	DATA: <b>JAN/2024</b>

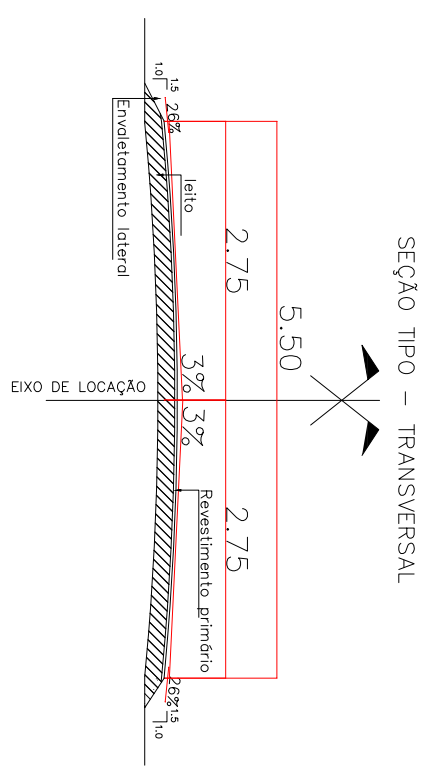
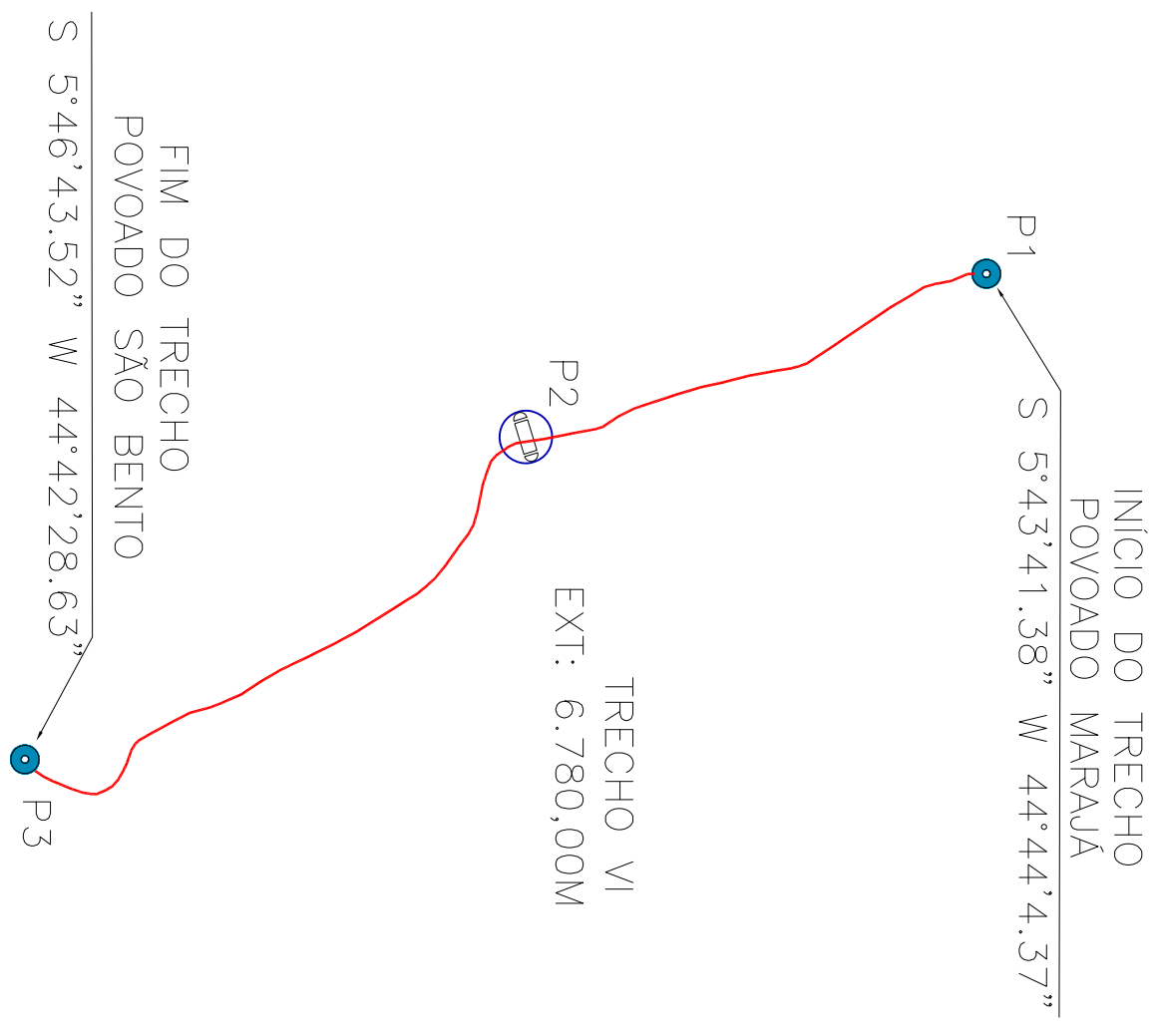
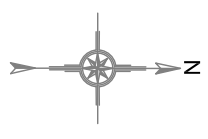


TRECHO V.: DO POVOADO BELEM AO POVOADO COCALIM. EXT: 9.390,00 M

ORDEM	DESCRIÇÃO	COORDENADA GPS/SAD-69
P1	POVOADO BELEM	S 5°45'42.59" W 44°37'24.83"
P2	BUEIRO - BSTC 1,00m (IMPLANTAR)	S 5°45'43.00" W 44°37'25.00"
P3	BUEIRO - BSTC 1,00m (IMPLANTAR)	S 5°45'44.00" W 44°37'26.00"
P4	BUEIRO - BSTC 1,00m (IMPLANTAR)	S 5°45'49.00" W 44°37'28.00"
P5	BUEIRO - BSTC 1,00m (IMPLANTAR)	S 5°45'59.00" W 44°37'32.00"
P6	BUEIRO - BSTC 1,00m (IMPLANTAR)	S 5°46'5.00" W 44°37'35.00"
P7	BUEIRO - BSTC 1,00m (IMPLANTAR)	S 5°46'7.00" W 44°37'35.00"
P8	BUEIRO - BSTC 1,00m (IMPLANTAR)	S 5°46'15.00" W 44°37'37.00"
P9	BUEIRO - BSTC 1,00m (IMPLANTAR)	S 5°46'42.00" W 44°37'48.00"
P10	BUEIRO - BSTC 1,00m (IMPLANTAR)	S 5°46'58.00" W 44°37'58.00"
P11	BUEIRO - BSTC 1,00m (IMPLANTAR)	S 5°47'9.00" W 44°38'4.00"
P12	BUEIRO - BSTC 1,00m (IMPLANTAR)	S 5°48'30.00" W 44°40'11.00"
P13	BUEIRO - BSTC 1,00m (IMPLANTAR)	S 5°48'52.00" W 44°40'49.00"
P14	POVOADO COCALIM	S 5°48'52.40" W 44°40'55.03"



PROPRIETÁRIO:	PREFEITURA MUNICIPAL DE TUNTUM/MA		
PROJETO:	RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA		
TÍTULO:	IMPLANTAÇÃO	ESCALA:	
DATA:	JAN/2024	PRANCHA:	06/71

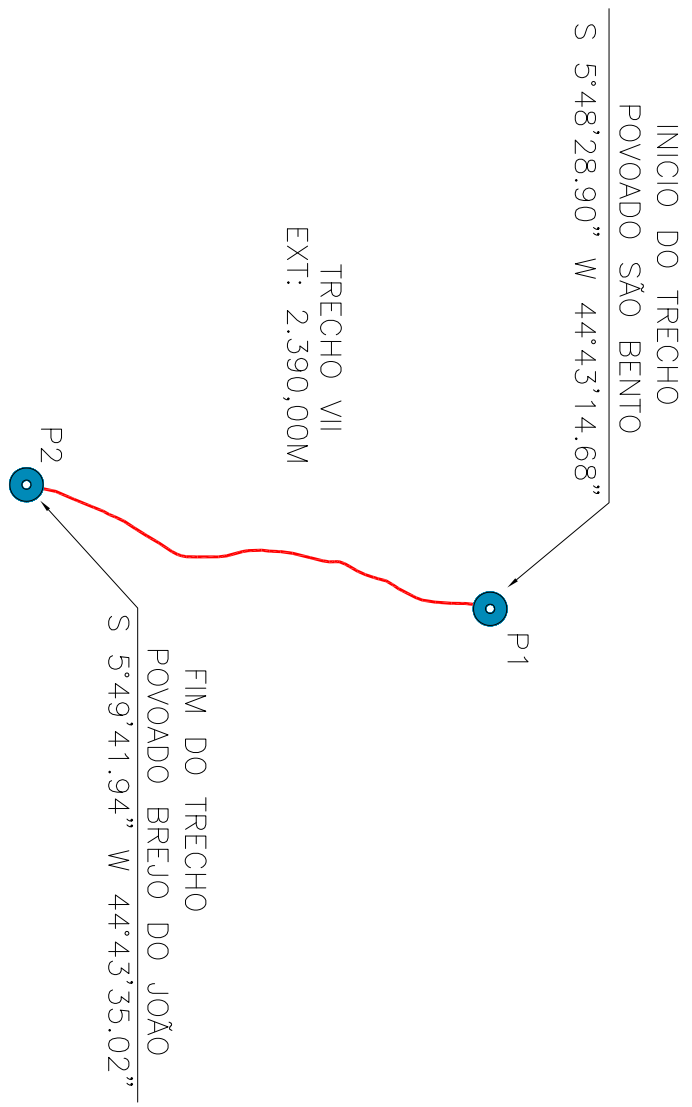
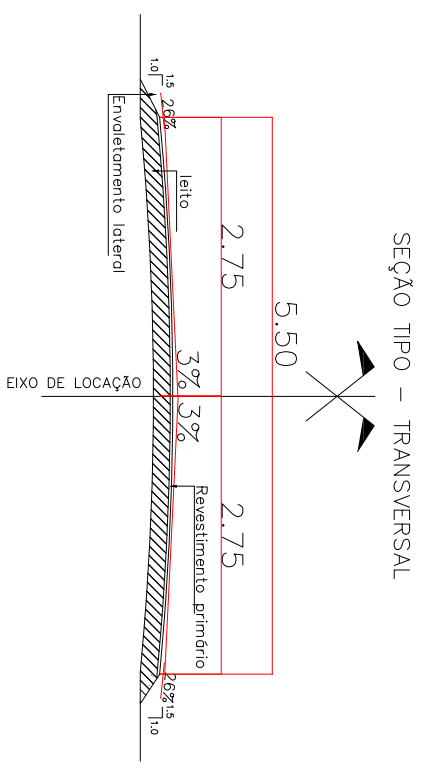
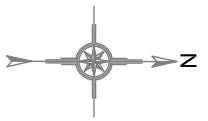


TRECHO VI.: DO POVOADO MARAJÁ AO POVOADO SÃO BENTO. EXT: 6.780,00 M

ORDEM	DESCRIÇÃO	COORDENADA GPS/SAD-69
P1	POVOADO MARAJÁ	S 5°43'41.38" W 44°44'4.37"
P2	BUEIRO - BSTC 1,00m (IMPLANTAR)	S 5°45'12.00" W 44°43'29.00"
P3	POVOADO SÃO BENTO	S 5°46'43.52" W 44°42'28.63"



PROPRIETÁRIO:	PREFEITURA MUNICIPAL DE TUNTUM/MA		
PROJETO:	RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA		PRANCHA: 07/71
TÍTULO:	IMPLANTAÇÃO	ESCALA:	DATA: JAN/2024



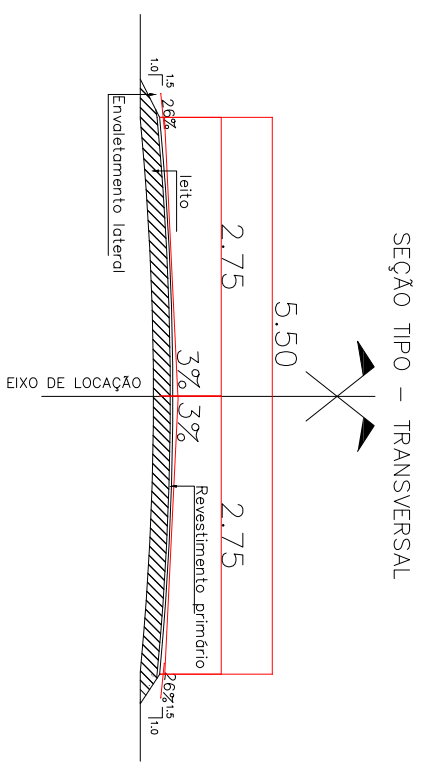
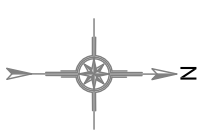
TRECHO VII.: DO POVOADO SÃO BENTO AO POVOADO BREJO DO JOÃO. EXT.: 2.390,00 M

ORDEM	DESCRIÇÃO	COORDENADA GPS/SAD-69
P1	POVOADO SÃO BENTO	S 5°48'28.90" W 44°43'14.68"
P2	POVOADO BREJO DO JOÃO	S 5°49'41.94" W 44°43'35.02"

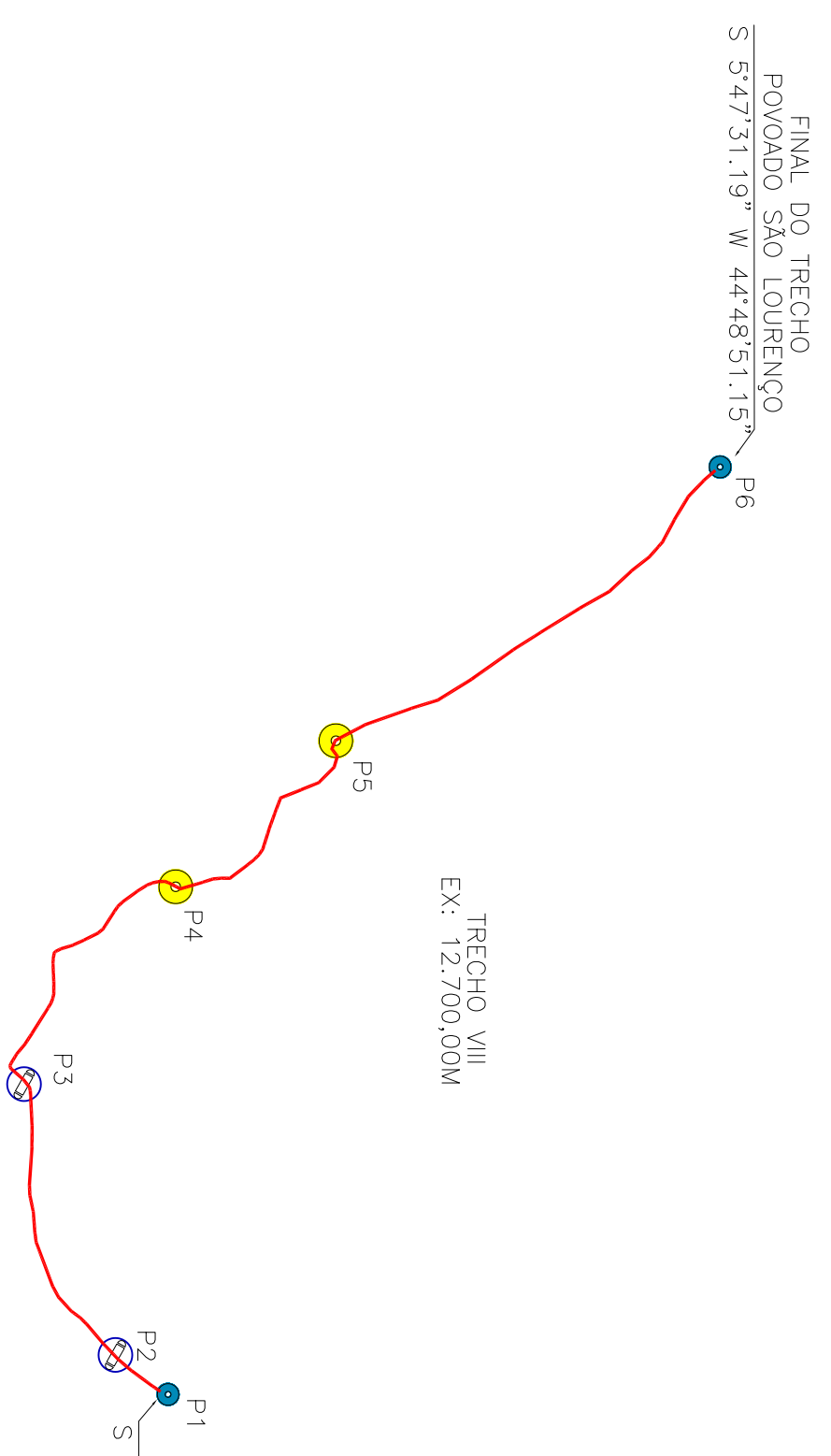


PROPRIETÁRIO: <b>PREFEITURA MUNICIPAL DE TUNTUM/MA</b>			
PROJETO: <b>RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA</b>		PRANCHA: <b>08/71</b>	
TÍTULO: <b>IMPLANTAÇÃO</b>	ESCALA:	DATA: <b>JAN/2024</b>	





TRECHO VIII  
 EX: 12.700,00M



P1 INICIO DO TRECHO  
 POVOADO BREJO DO JOÃO  
 S 5°50'19.01" W 44°44'15.79"

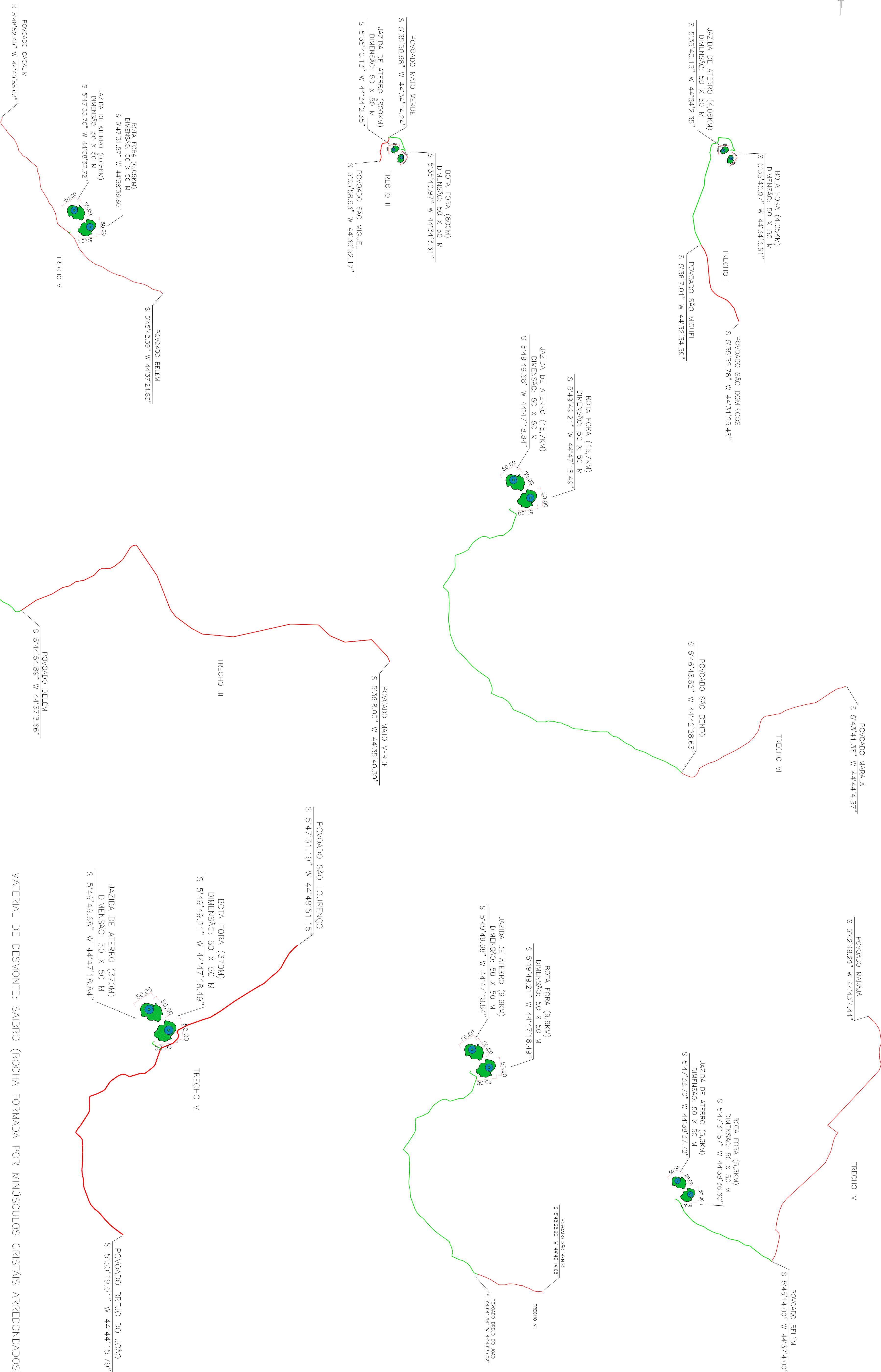
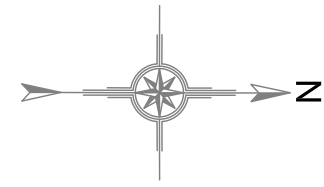
P6 FINAL DO TRECHO  
 POVOADO SÃO LOURENÇO  
 S 5°47'31.19" W 44°48'51.15"

TRECHO VIII: DO POVOADO BREJO DO JOÃO AO POVOADO SÃO LOURENÇO. EXT: 12.700,00 M

ORDENM	DESCRIÇÃO	COORDENADA GPS/SAD-69
P1	POVOADO BREJO DO JOÃO	S 5°50'19.01" W 44°44'15.79"
P2	BUEIRO - BSTC-1,00m (IMPLANTAR)	S 5°50'20.00" W 44°44'16.00"
P3	BUEIRO - BSTC-1,00m (IMPLANTAR)	S 5°51'0.00" W 44°45'49.00"
P4	PONTE	S 5°50'12.00" W 44°46'46.00"
P5	PONTE	S 5°49'44.00" W 44°47'12.00"
P6	POVOADO SÃO LOURENÇO	S 5°47'31.19" W 44°48'51.15"



PROPRIETÁRIO: <b>PREFEITURA MUNICIPAL DE TUNTUM/MA</b>		PRANCHA: <b>09/71</b>	
PROJETO: <b>RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA</b>			
TÍTULO: <b>IMPLANTAÇÃO</b>	ESCALA:	DATA: <b>JAN/2024</b>	

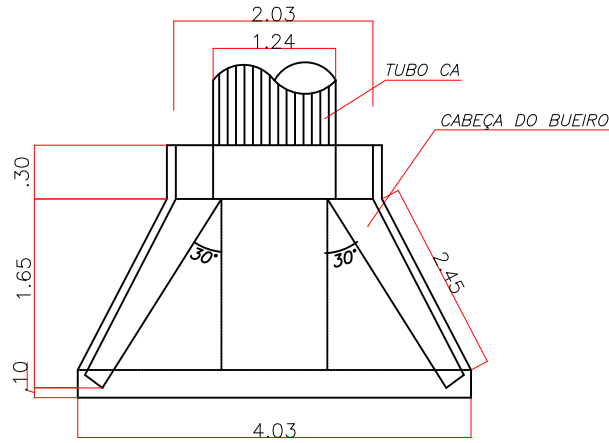


LOCAL DE JAZIDA  
SERVICIA

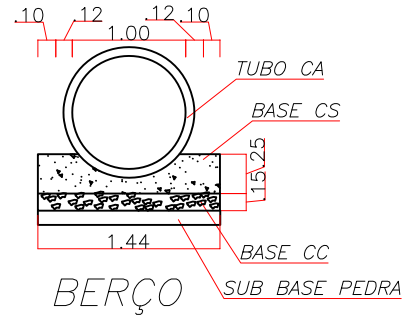
MATERIAL DE DESMONTE: SABRO (ROCHA FORMADA POR MINÚSCULOS CRISTAIS ARREDONDADOS)

PROMETARIO:	PREFEITURA MUNICIPAL DE TUNTUM/MA
PROJETO:	RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA
TÍTULO:	LOCAL DE JAZIDAS
ESCALA:	
DATA:	JAN/2024
FRANQUIA:	107/71

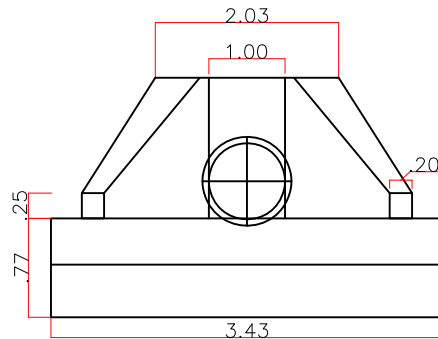
BUEIRO SIMPLES TUBULAR DE CONCRETO  
 $D = 100\text{cm}$



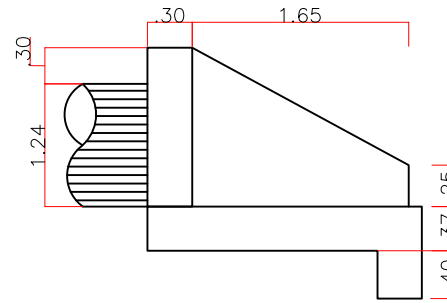
PLANTA BAIXA



BERÇO



VISTA



VISTA LATERAL

LEGENDA :

CA-CONCRETO ARMADO CA-1/CA-2 (DE ACORDO COM O FABRICANTE)

CS-CONCRETO SIMPLES CI:AR:BR- 1:3:3

CC-CONCRETO CICLÓPICO CI:AR:PB- 1:3 COM 70% PEDRA BRUTA

SUB-BASE-PEDRA BRUTA, TIPO "MATAÇÃO"

DETALHE DE BUEIRO

PROPRIETÁRIO:

PREFEITURA MUNICIPAL DE TUNTUM/MA

DISCRIMINAÇÃO:

RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE  
 TUNTUM/MA

TÍTULO:

DETALHE DE BUEIRO

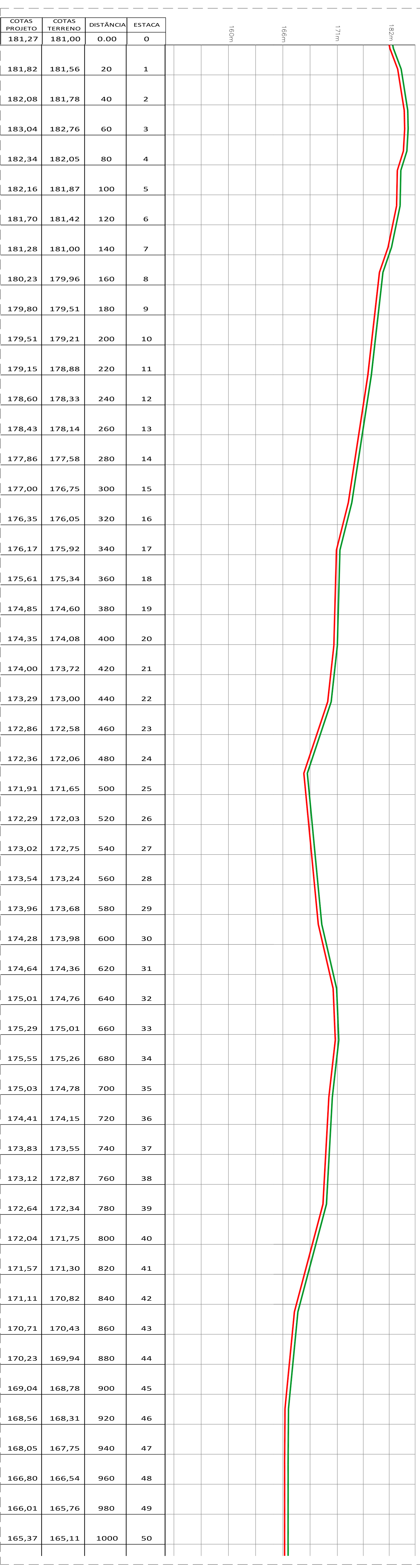
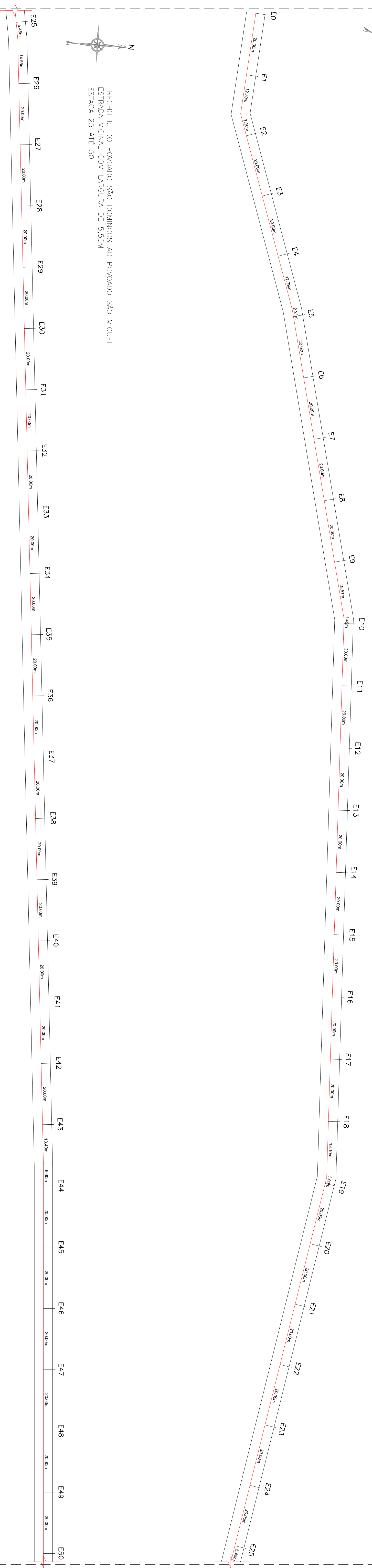
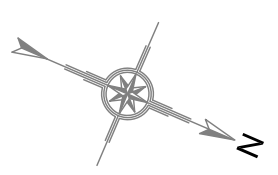
ESCALA:

DATA:

JAN/2024

PRANCHA: 11/71

TRECHO II: DO POVOADO SÃO DOMINGOS AO POVOADO SÃO MIGUEL  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 0 ATÉ 25

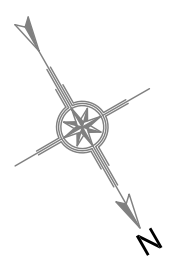
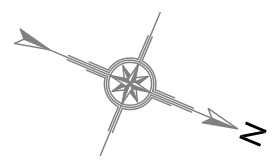


COTAS PROJETO	COTAS TERRENO	DISTÂNCIA	ESTACA
181,27	181,00	0.00	0
181,82	181,56	20	1
182,08	181,78	40	2
183,04	182,76	60	3
182,34	182,05	80	4
182,16	181,87	100	5
181,70	181,42	120	6
181,28	181,00	140	7
180,23	179,96	160	8
179,80	179,51	180	9
179,51	179,21	200	10
179,15	178,88	220	11
178,60	178,33	240	12
178,43	178,14	260	13
177,86	177,58	280	14
177,00	176,75	300	15
176,35	176,05	320	16
176,17	175,92	340	17
175,61	175,34	360	18
174,85	174,60	380	19
174,35	174,08	400	20
174,00	173,72	420	21
173,29	173,00	440	22
172,86	172,58	460	23
172,36	172,06	480	24
171,91	171,65	500	25
172,29	172,03	520	26
173,02	172,75	540	27
173,54	173,24	560	28
173,96	173,68	580	29
174,28	173,98	600	30
174,64	174,36	620	31
175,01	174,76	640	32
175,29	175,01	660	33
175,55	175,26	680	34
175,03	174,78	700	35
174,41	174,15	720	36
173,83	173,55	740	37
173,12	172,87	760	38
172,64	172,34	780	39
172,04	171,75	800	40
171,57	171,30	820	41
171,11	170,82	840	42
170,71	170,43	860	43
170,23	169,94	880	44
169,04	168,78	900	45
168,56	168,31	920	46
168,05	167,75	940	47
166,80	166,54	960	48
166,01	165,76	980	49
165,37	165,11	1000	50

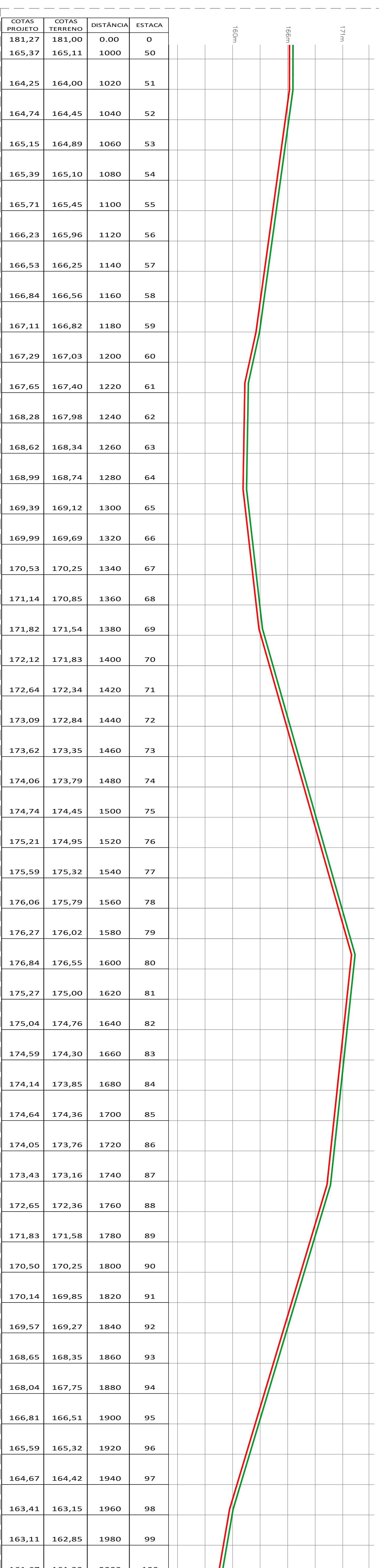
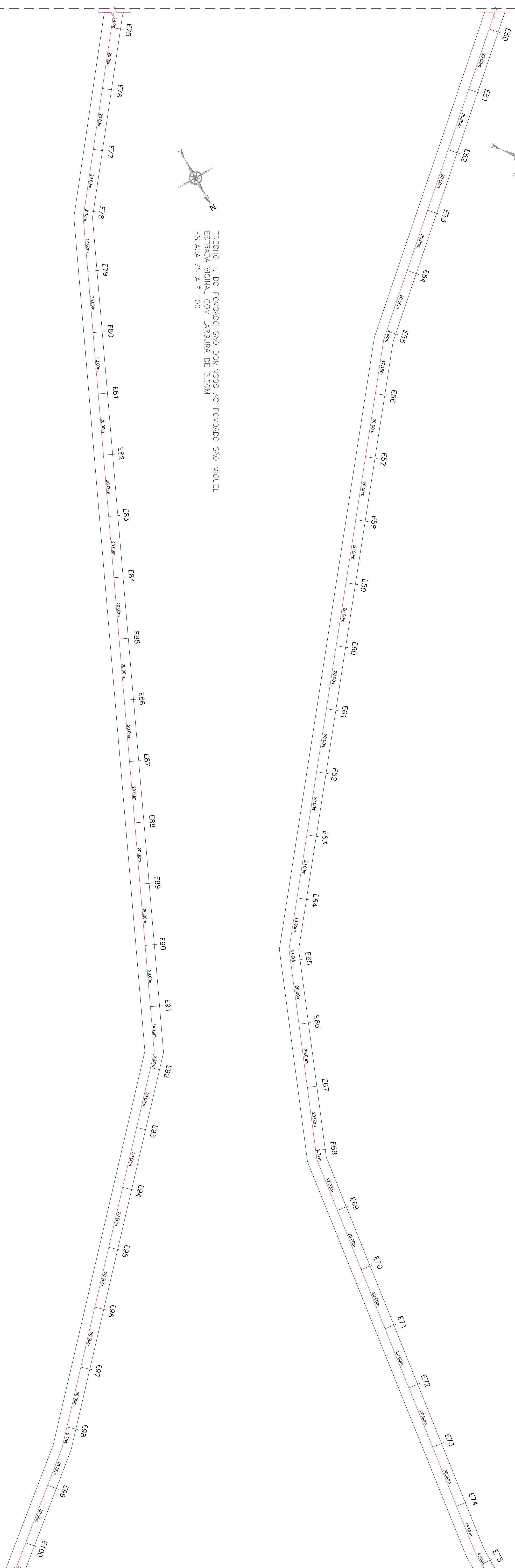
ESTACAJAMENTO

PROJETISTA:	PREFEITURA MUNICIPAL DE TUNTUM/MA
PROJETO:	RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA
TÍTULO:	ESTACAJAMENTO
ESCALA:	
DATA:	JAN/2024
PROJETO Nº:	12/71

TRECHO 1: DO POVOADO SÃO DOMINGOS AO POVOADO SÃO MIGUEL  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTAÇA 50 ATÉ 75



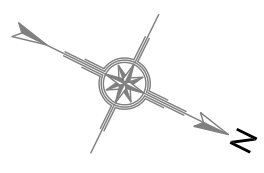
TRECHO 2: DO POVOADO SÃO DOMINGOS AO POVOADO SÃO MIGUEL  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTAÇA 75 ATÉ 100



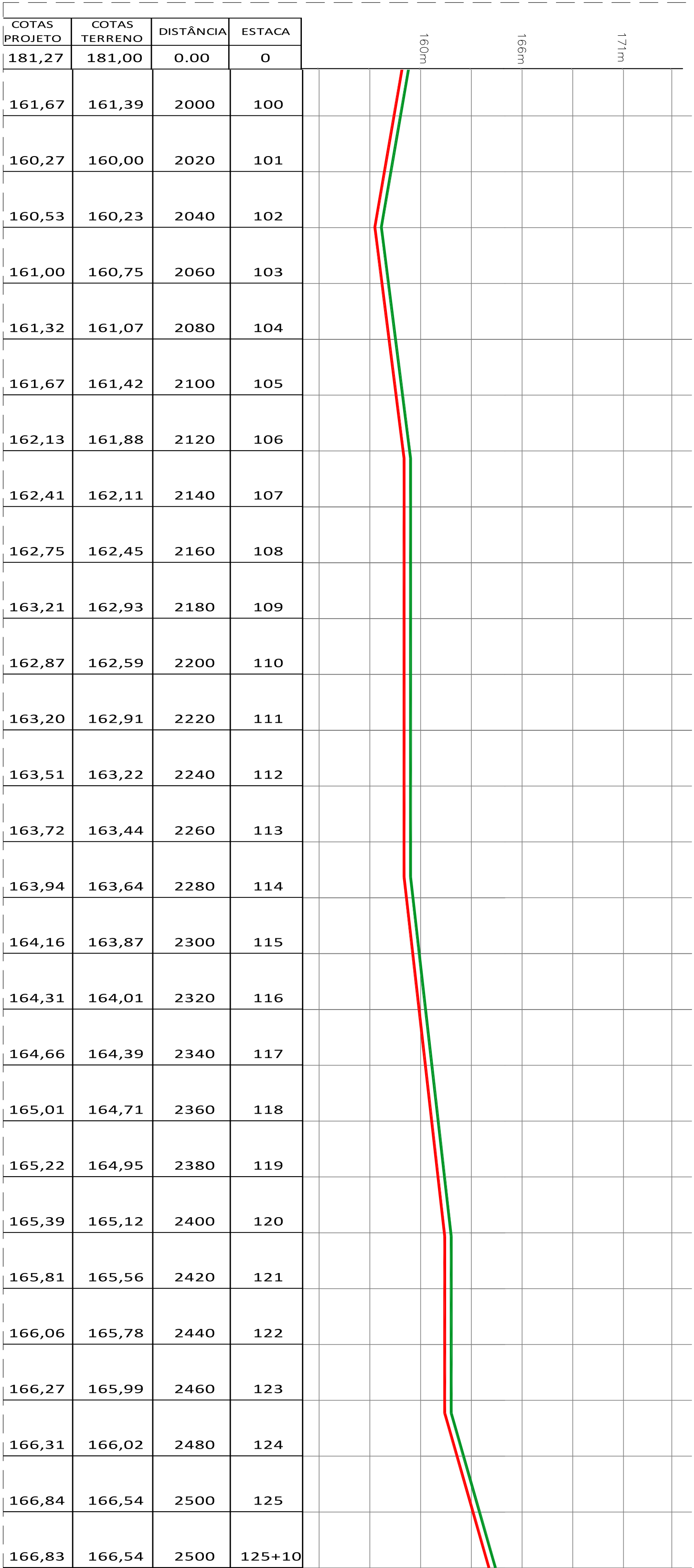
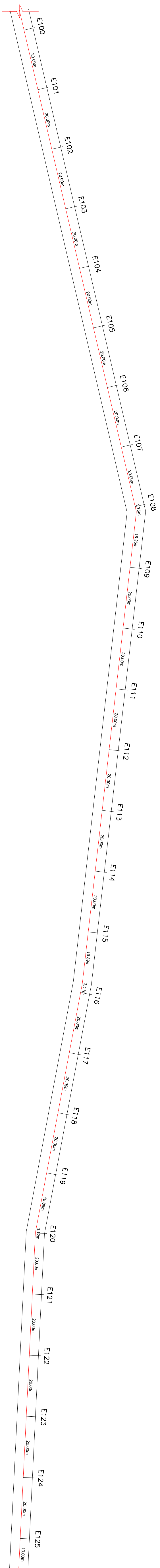
COTAS PROJETO	COTAS TERRENO	DISTÂNCIA	ESTAÇA
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164,25	164,00	1020	51
164,74	164,45	1040	52
165,15	164,89	1060	53
165,39	165,10	1080	54
165,71	165,45	1100	55
166,23	165,96	1120	56
166,53	166,25	1140	57
166,84	166,56	1160	58
167,11	166,82	1180	59
167,29	167,03	1200	60
167,65	167,40	1220	61
168,28	167,98	1240	62
168,62	168,34	1260	63
168,99	168,74	1280	64
169,39	169,12	1300	65
169,99	169,69	1320	66
170,53	170,25	1340	67
171,14	170,85	1360	68
171,82	171,54	1380	69
172,12	171,83	1400	70
172,64	172,34	1420	71
173,09	172,84	1440	72
173,62	173,35	1460	73
174,06	173,79	1480	74
174,74	174,45	1500	75
175,21	174,95	1520	76
175,59	175,32	1540	77
176,06	175,79	1560	78
176,27	176,02	1580	79
176,84	176,55	1600	80
175,27	175,00	1620	81
175,04	174,76	1640	82
174,59	174,30	1660	83
174,14	173,85	1680	84
174,64	174,36	1700	85
174,05	173,76	1720	86
173,43	173,16	1740	87
172,65	172,36	1760	88
171,83	171,58	1780	89
170,50	170,25	1800	90
170,14	169,85	1820	91
169,57	169,27	1840	92
168,65	168,35	1860	93
168,04	167,75	1880	94
166,81	166,51	1900	95
165,59	165,32	1920	96
164,67	164,42	1940	97
163,41	163,15	1960	98
163,11	162,85	1980	99
161,67	161,39	2000	100

ESTAJAMENTO

PROJETISTA:	PREFEITURA MUNICIPAL DE TUNTUM/MA
PROJETO:	RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA
TÍTULO:	ESTAJAMENTO
ESCALA:	
DATA:	JAN/2024
PRÁTICA:	13/71



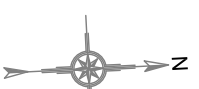
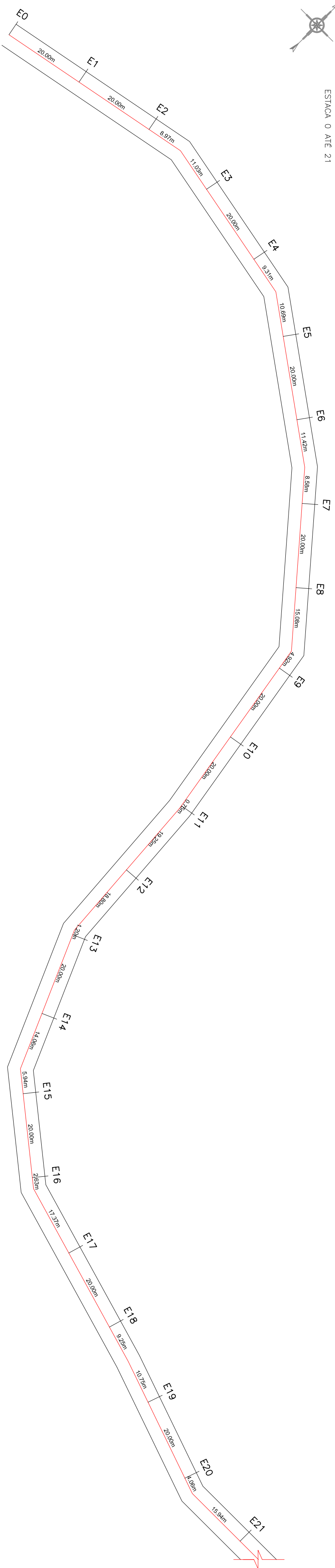
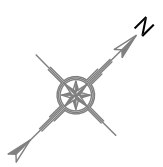
TRECHO I: DO POVOADO SÃO DOMINGOS AO POVOADO SÃO MIGUEL  
ESTRADA VICINAL COM LARGURA DE 3,50M  
ESTAÇA 100 ATE 127



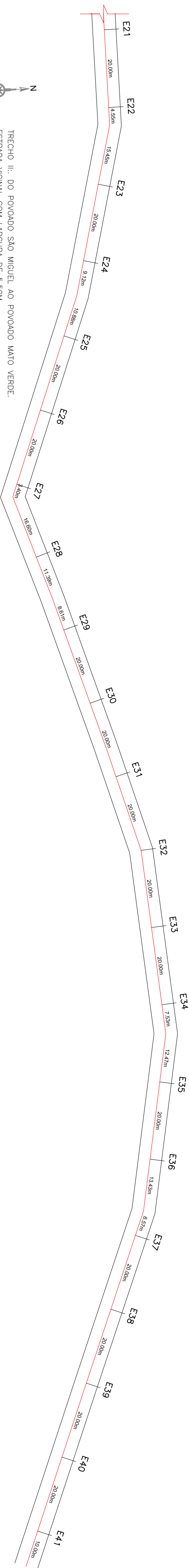
ESTACIAMENTO

PROJETADO: PREFEITURA MUNICIPAL DE TUNTUM/MA	
PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA	
TÍTULO: ESTACIAMENTO	DATA: JAN/2024
ESCALA:	
FRANQUIA: 14/71	

TRECHO II: DO POVOADO SÃO MIGUEL AO POVOADO MATO VERDE.  
ESTRADA VICINAL COM LARGURA DE 5,50M  
ESTAÇA 0 ATÉ 21



TRECHO III: DO POVOADO SÃO MIGUEL AO POVOADO MATO VERDE.  
ESTRADA VICINAL COM LARGURA DE 5,50M  
ESTAÇA 0 ATÉ 21

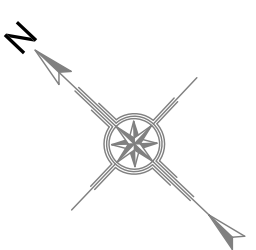
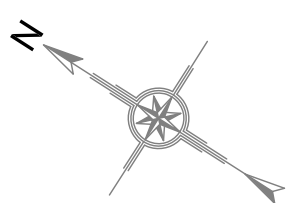


COTAS PROJETO	COTAS TERRENO	DISTÂNCIA	ESTAÇA
181,27	181,00	0,00	0
154,83	154,56	20	1
154,27	153,98	40	2
153,94	153,68	60	3
153,72	153,45	80	4
153,44	153,14	100	5
154,50	154,25	120	6
155,16	154,87	140	7
155,37	155,10	160	8
155,75	155,45	180	9
156,24	155,98	200	10
156,32	156,03	220	11
156,83	156,55	240	12
157,52	157,26	260	13
158,74	158,49	280	14
159,64	159,36	300	15
160,73	160,48	320	16
161,53	161,25	340	17
163,02	162,74	360	18
163,93	163,65	380	19
165,26	164,98	400	20
165,26	165,00	420	21
165,49	165,24	440	22
166,03	165,76	460	23
165,59	165,34	480	24
165,27	165,01	500	25
165,12	164,87	520	26
165,05	164,76	540	27
164,50	164,21	560	28
164,07	163,78	580	29
163,87	163,57	600	30
163,39	163,12	620	31
163,21	162,92	640	32
162,88	162,61	660	33
162,45	162,18	680	34
162,14	161,89	700	35
161,73	161,46	720	36
161,07	160,78	740	37
160,72	160,46	760	38
160,30	160,02	780	39
160,12	159,85	800	40
159,51	159,22	820	41

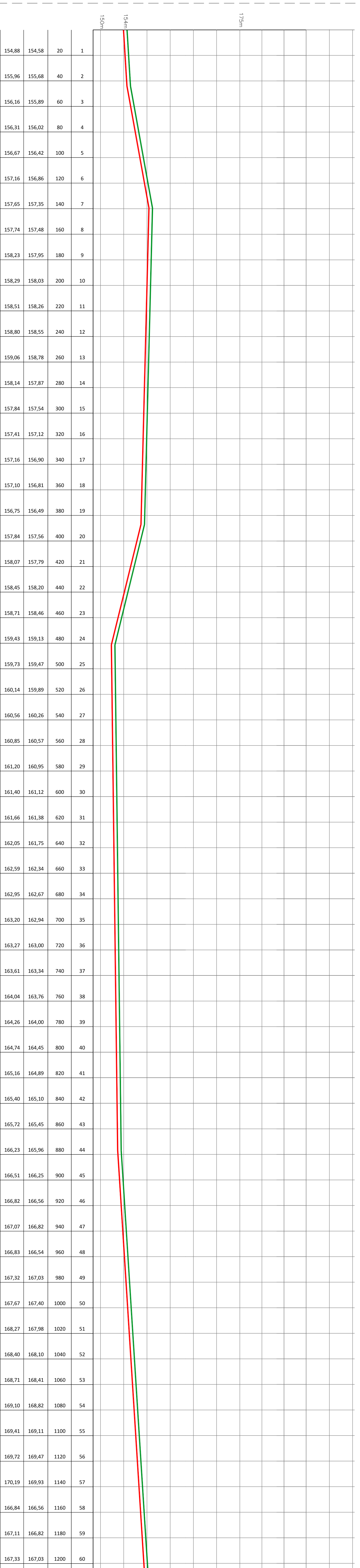
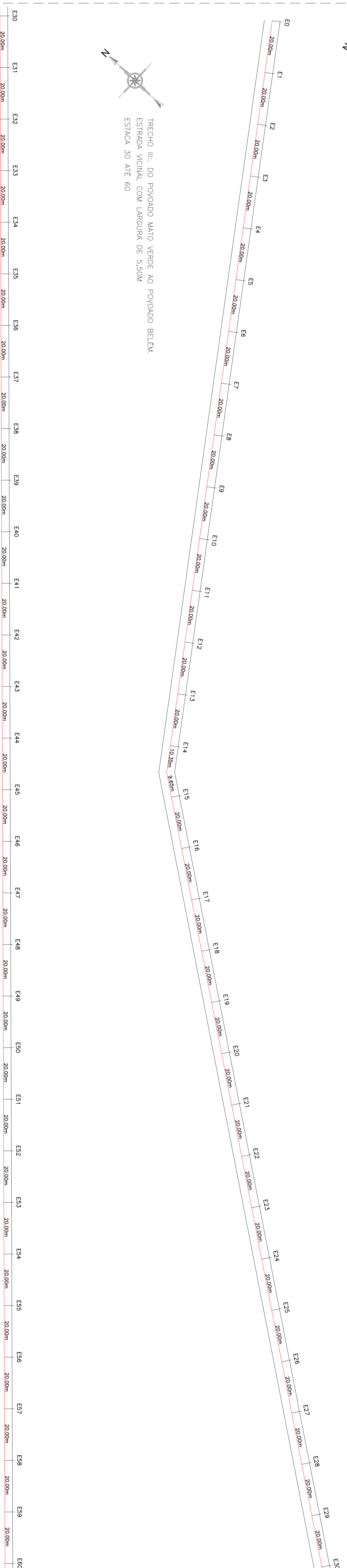
ESTACQUEAMENTO

PROPRIETÁRIO:	PREFEITURA MUNICIPAL DE TUNTUM/MA
PROJETO:	RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA
TÍTULO:	ESTACQUEAMENTO
ESCALA:	
DATA:	JAN/2024
BRANCHA:	15/71

TRECHO III: DO POVOADO MATO VERDE AO POVOADO BELEM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 0 ATE 30



TRECHO III: DO POVOADO MATO VERDE AO POVOADO BELEM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 30 ATE 60

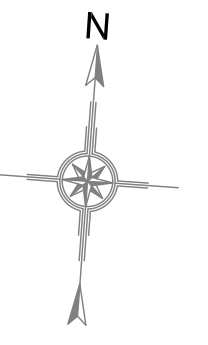


1	154,88	154,58	20
2	155,96	155,68	40
3	156,16	155,89	60
4	156,31	156,02	80
5	156,67	156,42	100
6	157,16	156,86	120
7	157,65	157,35	140
8	157,74	157,48	160
9	158,23	157,95	180
10	158,29	158,03	200
11	158,51	158,26	220
12	158,80	158,55	240
13	159,06	158,78	260
14	158,14	157,87	280
15	157,84	157,54	300
16	157,41	157,12	320
17	157,16	156,90	340
18	157,10	156,81	360
19	156,75	156,49	380
20	157,84	157,56	400
21	158,07	157,79	420
22	158,45	158,20	440
23	158,71	158,46	460
24	159,43	159,13	480
25	159,73	159,47	500
26	160,14	159,89	520
27	160,56	160,26	540
28	160,85	160,57	560
29	161,20	160,95	580
30	161,40	161,12	600
31	161,66	161,38	620
32	162,05	161,75	640
33	162,59	162,34	660
34	162,95	162,67	680
35	163,20	162,94	700
36	163,27	163,00	720
37	163,61	163,34	740
38	164,04	163,76	760
39	164,26	164,00	780
40	164,74	164,45	800
41	165,16	164,89	820
42	165,40	165,10	840
43	165,72	165,45	860
44	166,23	165,96	880
45	166,51	166,25	900
46	166,82	166,56	920
47	167,07	166,82	940
48	166,83	166,54	960
49	167,32	167,03	980
50	167,67	167,40	1000
51	168,27	167,98	1020
52	168,40	168,10	1040
53	168,71	168,41	1060
54	169,10	168,82	1080
55	169,41	169,11	1100
56	169,72	169,47	1120
57	170,19	169,93	1140
58	166,84	166,56	1160
59	167,11	166,82	1180
60	167,33	167,03	1200

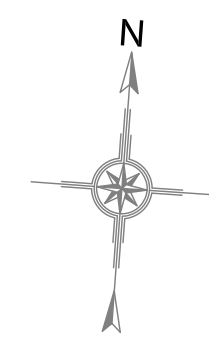
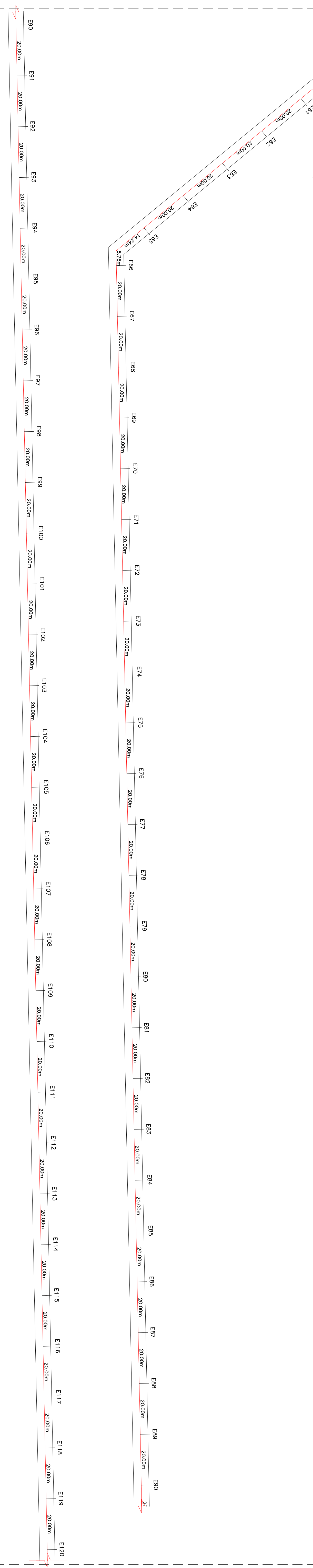
ESTAJUEMTO

PROMETARIO: PREFEITURA MUNICIPAL DE TUNTUM/MA		FOLHA: 16/71	
PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA		DATA: JAN/2024	
TÍTULO: ESTAJUEMTO	ESCALA:	DATA:	

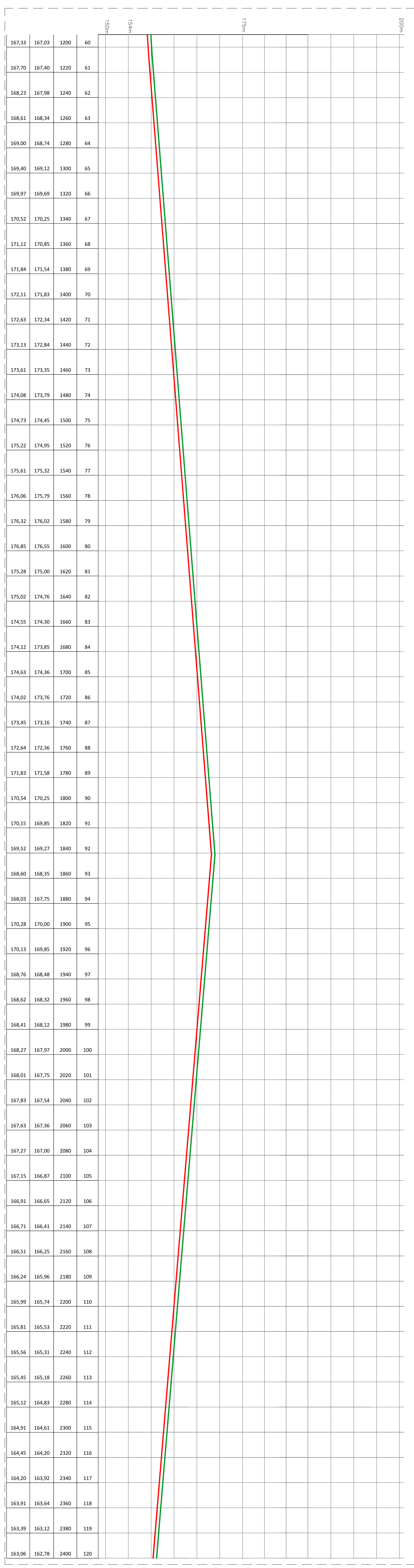




TRECHO III: DO POVOADO MATO VERDE AO POVOADO BELEM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 60 ATÉ 90



TRECHO III: DO POVOADO MATO VERDE AO POVOADO BELEM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 90 ATÉ 120

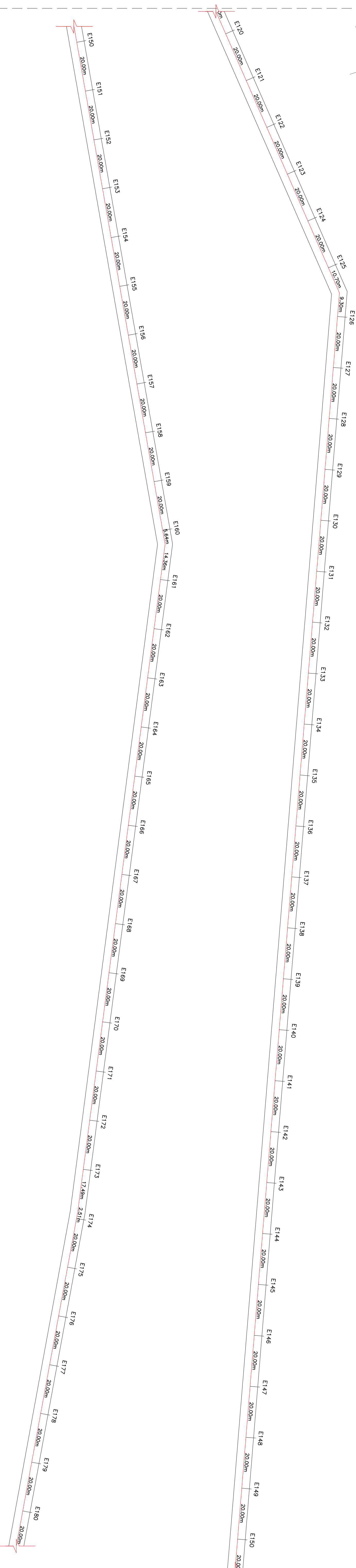
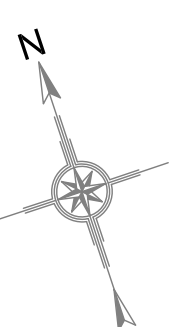


167,33	167,03	1200	60
167,70	167,40	1220	61
168,23	167,98	1240	62
168,61	168,34	1260	63
169,00	168,74	1280	64
169,40	169,12	1300	65
169,97	169,69	1320	66
170,52	170,25	1340	67
171,12	170,85	1360	68
171,84	171,54	1380	69
172,11	171,83	1400	70
172,63	172,34	1420	71
173,13	172,84	1440	72
173,61	173,35	1460	73
174,08	173,79	1480	74
174,73	174,45	1500	75
175,22	174,95	1520	76
175,61	175,32	1540	77
176,06	175,79	1560	78
176,32	176,02	1580	79
176,85	176,55	1600	80
175,28	175,00	1620	81
175,02	174,76	1640	82
174,55	174,30	1660	83
174,12	173,85	1680	84
174,63	174,36	1700	85
174,02	173,76	1720	86
173,45	173,16	1740	87
172,64	172,36	1760	88
171,83	171,58	1780	89
170,54	170,25	1800	90
170,15	169,85	1820	91
169,52	169,27	1840	92
168,60	168,35	1860	93
168,03	167,75	1880	94
170,28	170,00	1900	95
170,13	169,85	1920	96
168,76	168,48	1940	97
168,62	168,32	1960	98
168,41	168,12	1980	99
168,27	167,97	2000	100
168,01	167,75	2020	101
167,83	167,54	2040	102
167,63	167,36	2060	103
167,27	167,00	2080	104
167,15	166,87	2100	105
166,91	166,65	2120	106
166,71	166,41	2140	107
166,51	166,25	2160	108
166,24	165,96	2180	109
165,99	165,74	2200	110
165,81	165,53	2220	111
165,56	165,31	2240	112
165,45	165,18	2260	113
165,12	164,83	2280	114
164,91	164,61	2300	115
164,45	164,20	2320	116
164,20	163,92	2340	117
163,91	163,64	2360	118
163,39	163,12	2380	119
163,06	162,78	2400	120

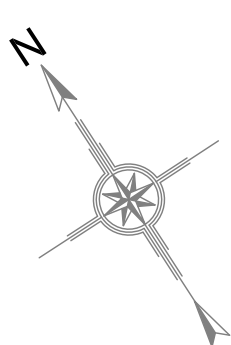
### ESTACAMENTO

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE TUNTUM/MA		
PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA		
TÍTULO: ESTACAMENTO	DATA: JAN/2024	FOLHA: 17/71

TRECHO III: DO POVOADO MATO VERDE AO POVOADO BELEM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 120 ATE 150



TRECHO III: DO POVOADO MATO VERDE AO POVOADO BELEM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 150 ATE 180

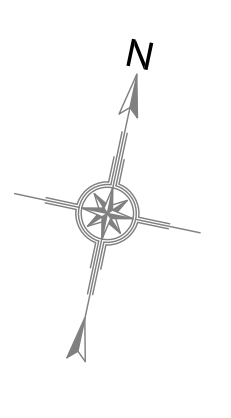
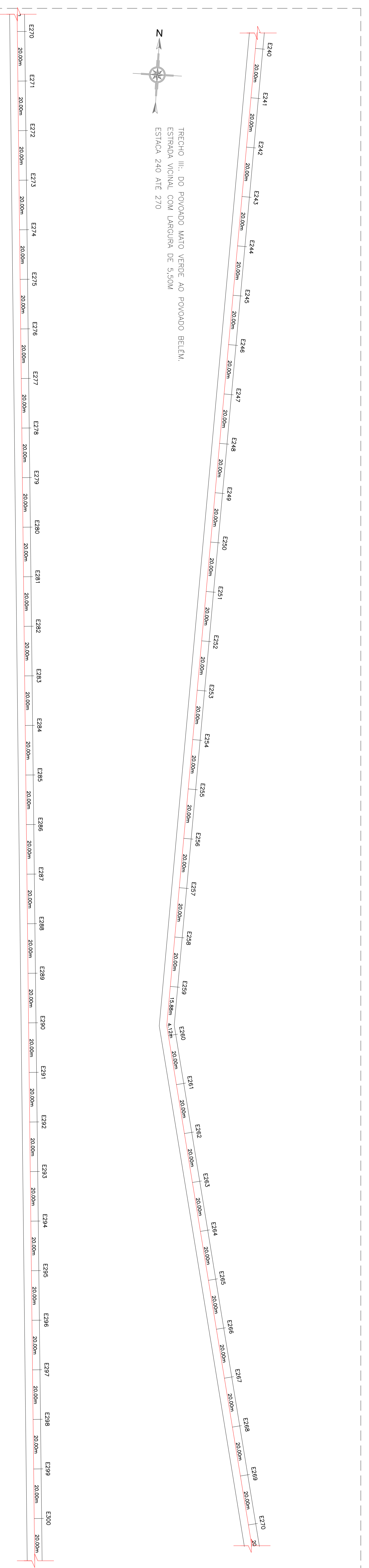


163,06	162,78	2400	120
162,73	162,44	2420	121
162,53	162,25	2440	122
162,12	161,85	2460	123
161,80	161,55	2480	124
161,44	161,18	2500	125
161,25	160,99	2520	126
160,92	160,63	2540	127
160,48	160,18	2560	128
160,04	159,77	2580	129
159,69	159,43	2600	130
159,46	159,19	2620	131
159,20	158,92	2640	132
158,73	158,47	2660	133
158,56	158,26	2680	134
158,11	157,85	2700	135
157,95	157,65	2720	136
157,39	157,11	2740	137
157,15	156,88	2760	138
156,80	156,52	2780	139
151,17	150,88	2800	140
151,31	151,01	2820	141
151,56	151,30	2840	142
151,82	151,56	2860	143
152,16	151,89	2880	144
152,29	152,02	2900	145
152,82	152,56	2920	146
153,14	152,89	2940	147
153,57	153,27	2960	148
153,91	153,65	2980	149
154,33	154,04	3000	150
154,48	154,21	3020	151
154,65	154,39	3040	152
154,81	154,56	3060	153
155,01	154,74	3080	154
155,19	154,91	3100	155
155,36	155,09	3120	156
155,56	155,26	3140	157
155,70	155,44	3160	158
155,89	155,61	3180	159
156,04	155,79	3200	160
156,24	155,96	3220	161
156,41	156,14	3240	162
156,59	156,31	3260	163
156,74	156,49	3280	164
156,94	156,66	3300	165
157,12	156,84	3320	166
157,31	157,01	3340	167
157,48	157,19	3360	168
157,61	157,36	3380	169
157,84	157,54	3400	170
157,98	157,71	3420	171
158,15	157,89	3440	172
158,36	158,06	3460	173
158,49	158,24	3480	174
158,66	158,41	3500	175
158,88	158,59	3520	176
159,04	158,76	3540	177
159,21	158,94	3560	178
159,37	159,11	3580	179
159,58	159,29	3600	180

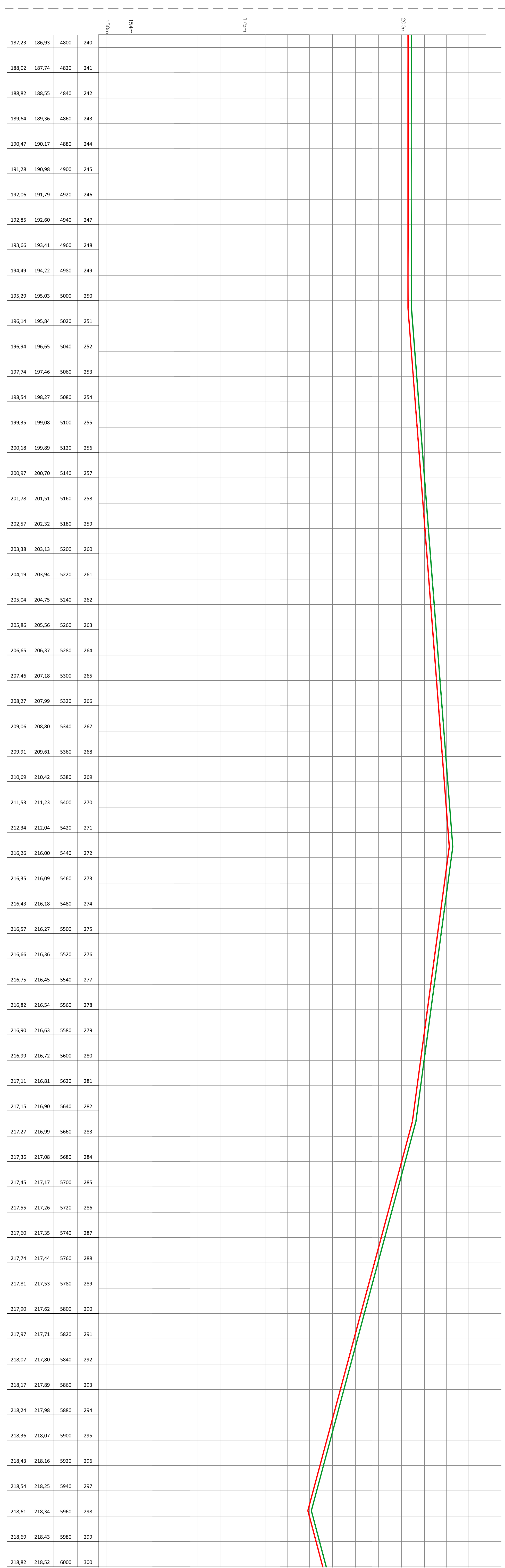
ESTAJAMENTO

PROJETADO: PREFEITURA MUNICIPAL DE TUNTUM/MA  
 PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA  
 TÍTULO: ESTAJAMENTO  
 ESCALA:  
 DATA: JAN/2024  
 FOLHA: 18/71





TRECHO III: DO POVOADO MATO VERDE AO POVOADO BELEM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 270 ATE 300



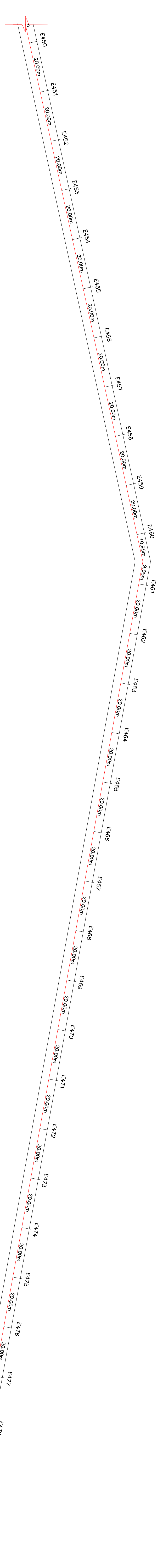
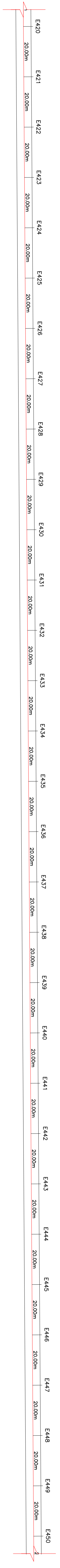
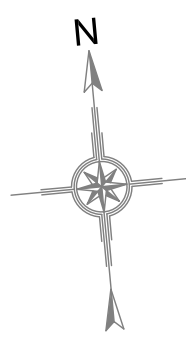
ESTAJAMENTO

PROMOTORIA:	PREFEITURA MUNICIPAL DE TUNTUM/MA
PROJETO:	RECUPERAÇÃO DE ESTRADAS VICINAS NO MUNICÍPIO DE TUNTUM/MA
TÍTULO:	ESTAJAMENTO
ESCALA:	
DATA:	JAN/2024
PRÁTICA:	207/1

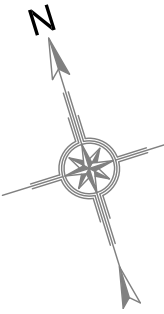




TRECHO III.: DO POVOADO MATO VERDE AO POVOADO BELEM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 420 ATE 450



TRECHO III.: DO POVOADO MATO VERDE AO POVOADO BELEM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 450 ATE 480

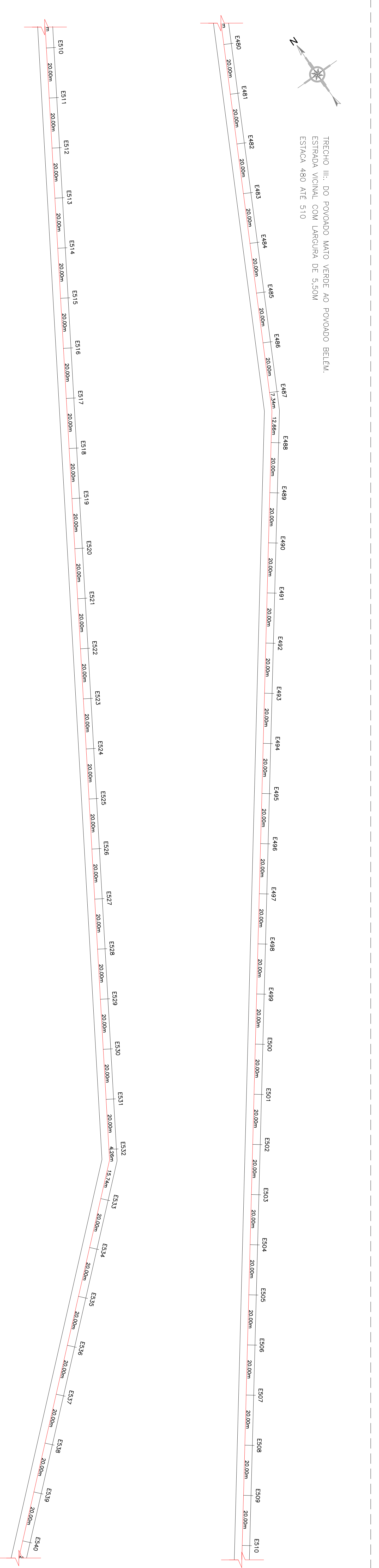


225,72	225,47	8400	420
225,20	224,92	8420	421
224,62	224,37	8440	422
224,12	223,82	8460	423
223,56	223,27	8480	424
223,00	222,72	8500	425
222,45	222,17	8520	426
221,88	221,62	8540	427
221,34	221,07	8560	428
220,77	220,52	8580	429
220,22	219,97	8600	430
219,68	219,42	8620	431
219,13	218,87	8640	432
218,58	218,32	8660	433
218,03	217,77	8680	434
217,49	217,22	8700	435
216,96	216,67	8720	436
216,41	216,12	8740	437
215,84	215,57	8760	438
215,30	215,02	8780	439
214,74	214,47	8800	440
214,20	213,92	8820	441
213,63	213,37	8840	442
213,07	212,82	8860	443
212,57	212,27	8880	444
212,00	211,72	8900	445
211,46	211,17	8920	446
210,91	210,62	8940	447
210,37	210,07	8960	448
209,82	209,52	8980	449
209,24	208,97	9000	450
208,70	208,42	9020	451
208,15	207,87	9040	452
207,57	207,32	9060	453
207,06	206,77	9080	454
206,48	206,22	9100	455
205,96	205,67	9120	456
205,39	205,12	9140	457
204,86	204,57	9160	458
204,30	204,02	9180	459
203,76	203,47	9200	460
203,20	202,92	9220	461
202,67	202,37	9240	462
202,11	201,82	9260	463
201,55	201,27	9280	464
201,00	200,72	9300	465
200,47	200,17	9320	466
199,90	199,62	9340	467
199,32	199,07	9360	468
198,79	198,52	9380	469
198,22	197,97	9400	470
197,71	197,42	9420	471
197,17	196,87	9440	472
196,58	196,32	9460	473
196,06	195,77	9480	474
195,49	195,22	9500	475
194,93	194,67	9520	476
194,41	194,12	9540	477
193,84	193,57	9560	478
193,27	193,02	9580	479
192,74	192,47	9600	480

ESTACQUEAMENTO

PROPRIETARIO:	PREFEITURA MUNICIPAL DE TUNTUM/MA
PROJETO:	RECUPERAÇÃO DE ESTRADAS VICINAS NO MUNICÍPIO DE TUNTUM/MA
TÍTULO:	ESTACQUEAMENTO
ESCALA:	
DATA:	JAN/2024
FOLHA:	23/71

TRECHO III.: DO POVOADO MATO VERDE AO POVOADO BELEM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTAÇA 480 ATÉ 510



TRECHO IIII.: DO POVOADO MATO VERDE AO POVOADO BELEM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTAÇA 510 ATÉ 540



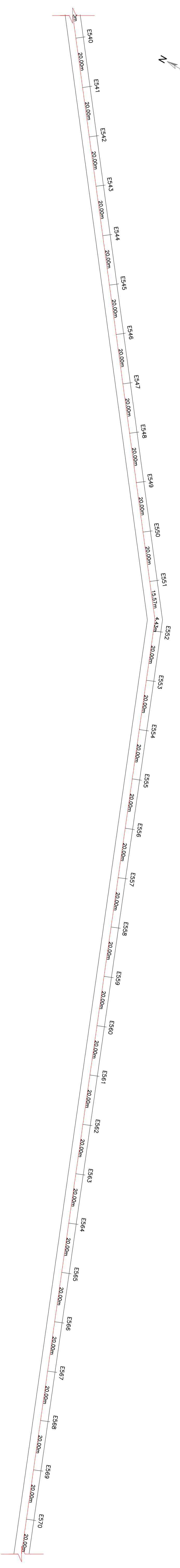
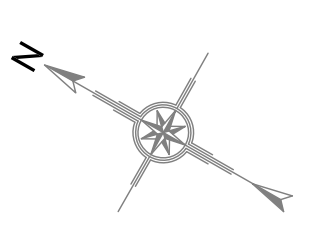
192,74	192,47	9600	480
192,19	191,92	9620	481
191,66	191,37	9640	482
191,07	190,82	9660	483
190,56	190,27	9680	484
190,00	189,72	9700	485
189,45	189,17	9720	486
188,91	188,62	9740	487
188,33	188,07	9760	488
187,82	187,52	9780	489
187,23	186,97	9800	490
186,69	186,42	9820	491
186,12	185,87	9840	492
185,60	185,32	9860	493
185,07	184,77	9880	494
184,47	184,22	9900	495
183,96	183,67	9920	496
183,38	183,12	9940	497
182,87	182,57	9960	498
182,30	182,02	9980	499
182,29	182,02	10000	500
182,95	182,68	10020	501
183,64	183,34	10040	502
184,28	184,00	10060	503
184,91	184,66	10080	504
185,58	185,32	10100	505
186,28	185,98	10120	506
186,94	186,64	10140	507
187,56	187,30	10160	508
188,25	187,96	10180	509
188,87	188,62	10200	510
189,53	189,28	10220	511
190,20	189,94	10240	512
190,90	190,60	10260	513
191,51	191,26	10280	514
192,20	191,92	10300	515
192,85	192,58	10320	516
193,51	193,24	10340	517
194,15	193,90	10360	518
194,86	194,56	10380	519
195,47	195,22	10400	520
196,18	195,88	10420	521
196,84	196,54	10440	522
197,48	197,20	10460	523
198,16	197,86	10480	524
198,81	198,52	10500	525
199,44	199,18	10520	526
200,14	199,84	10540	527
200,79	200,50	10560	528
201,42	201,16	10580	529
202,12	201,82	10600	530
202,73	202,48	10620	531
203,39	203,14	10640	532
204,06	203,80	10660	533
204,71	204,46	10680	534
205,39	205,12	10700	535
206,07	205,78	10720	536
206,69	206,44	10740	537
207,38	207,10	10760	538
208,04	207,76	10780	539
208,71	208,42	10800	540

ESTAJAMENTO

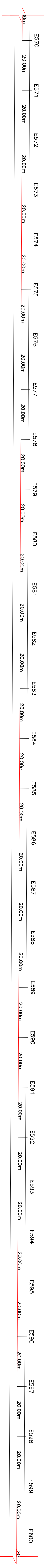
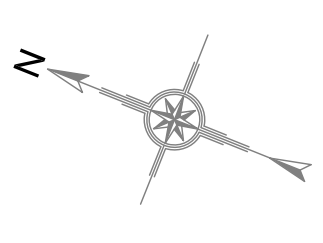
PROPONENTE:	PREFEITURA MUNICIPAL DE TUNTUM/MA
PROJETO:	RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA
TÍTULO:	ESTAJAMENTO
ESCALA:	
DATA:	JAN/2024
FOLHA:	24/71



TRECHO III: DO POVOADO MATO VERDE AO POVOADO BELEM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 540 ATE 570



TRECHO III: DO POVOADO MATO VERDE AO POVOADO BELEM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 570 ATE 600

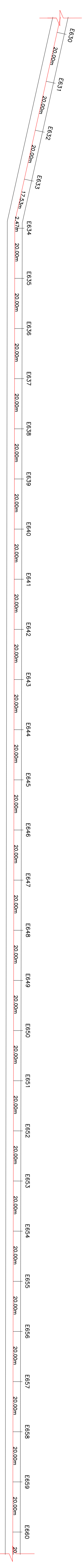
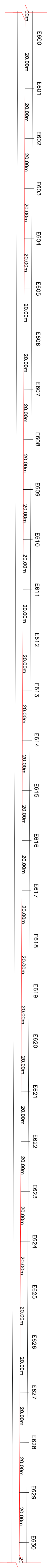
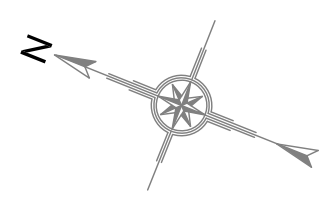


208,71	208,42	10800	540
209,36	209,08	10820	541
210,01	209,74	10840	542
210,66	210,40	10860	543
211,35	211,06	10880	544
211,98	211,72	10900	545
212,66	212,38	10920	546
213,33	213,04	10940	547
214,00	213,70	10960	548
214,64	214,36	10980	549
215,80	215,55	11000	550
215,52	215,22	11020	551
215,15	214,89	11040	552
214,86	214,56	11060	553
214,51	214,23	11080	554
214,15	213,90	11100	555
213,86	213,57	11120	556
213,52	213,24	11140	557
213,18	212,91	11160	558
212,84	212,58	11180	559
212,53	212,25	11200	560
212,18	211,92	11220	561
211,85	211,59	11240	562
211,53	211,26	11260	563
211,21	210,93	11280	564
210,85	210,60	11300	565
210,57	210,27	11320	566
210,23	209,94	11340	567
209,89	209,61	11360	568
209,55	209,28	11380	569
209,22	208,95	11400	570
208,92	208,62	11420	571
208,58	208,29	11440	572
208,22	207,96	11460	573
207,89	207,63	11480	574
207,60	207,30	11500	575
207,24	206,97	11520	576
206,90	206,64	11540	577
206,61	206,31	11560	578
206,28	205,98	11580	579
206,12	205,87	11600	580
206,77	206,51	11620	581
207,42	207,15	11640	582
208,09	207,79	11660	583
208,69	208,43	11680	584
209,33	209,07	11700	585
209,98	209,71	11720	586
210,63	210,35	11740	587
211,28	210,99	11760	588
211,93	211,63	11780	589
212,55	212,27	11800	590
213,16	212,91	11820	591
213,84	213,55	11840	592
214,46	214,19	11860	593
215,13	214,83	11880	594
215,76	215,47	11900	595
216,39	216,11	11920	596
217,01	216,75	11940	597
217,66	217,39	11960	598
218,28	218,03	11980	599
218,93	218,67	12000	600

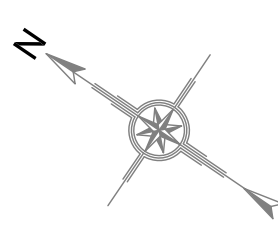
ESTACAMENTO

PROJETISTA:	PREFEITURA MUNICIPAL DE TUNTUM/MA
PROJETO:	RECUPERAÇÃO DE ESTRADAS VICINAS NO MUNICÍPIO DE TUNTUM/MA
TÍTULO:	ESTACAMENTO
ESCALA:	
DATA:	JAN/2024
PRÁTICA:	25/71

TRECHO III: DO POVOADO MATO VERDE AO POVOADO BELEM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTAÇA 600 ATÉ 630



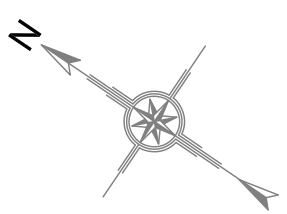
TRECHO III: DO POVOADO MATO VERDE AO POVOADO BELEM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTAÇA 630 ATÉ 660



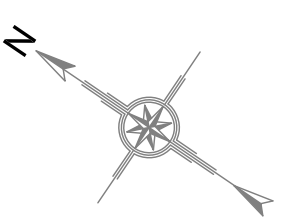
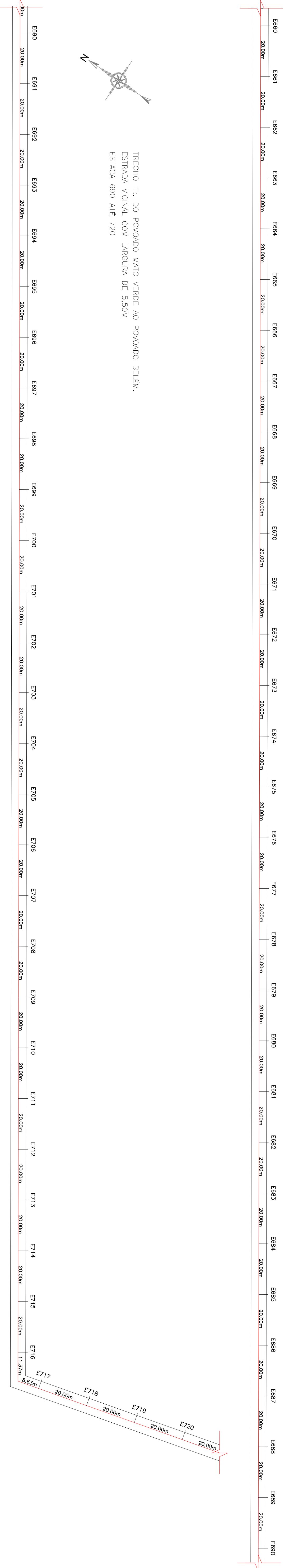
ESTACAMENTO

218,93	218,67	12000	600
219,61	219,31	12020	601
220,21	219,95	12040	602
220,88	220,59	12060	603
221,49	221,23	12080	604
222,14	221,87	12100	605
222,78	222,51	12120	606
223,42	223,15	12140	607
224,04	223,79	12160	608
224,72	224,43	12180	609
225,32	225,07	12200	610
225,99	225,71	12220	611
226,63	226,35	12240	612
227,26	226,99	12260	613
227,91	227,63	12280	614
228,56	228,27	12300	615
229,18	228,91	12320	616
229,85	229,55	12340	617
230,49	230,19	12360	618
231,11	230,83	12380	619
230,74	230,46	12400	620
230,13	229,86	12420	621
229,52	229,26	12440	622
228,95	228,66	12460	623
228,32	228,06	12480	624
227,73	227,46	12500	625
227,14	226,86	12520	626
226,55	226,26	12540	627
225,92	225,66	12560	628
225,33	225,06	12580	629
224,71	224,46	12600	630
224,13	223,86	12620	631
223,54	223,26	12640	632
222,92	222,66	12660	633
222,33	222,06	12680	634
221,73	221,46	12700	635
221,15	220,86	12720	636
220,56	220,26	12740	637
219,94	219,66	12760	638
219,33	219,06	12780	639
218,75	218,46	12800	640
218,12	217,86	12820	641
217,55	217,26	12840	642
216,96	216,66	12860	643
216,33	216,06	12880	644
215,76	215,46	12900	645
215,16	214,86	12920	646
214,56	214,26	12940	647
213,93	213,66	12960	648
213,33	213,06	12980	649
212,76	212,46	13000	650
212,16	211,86	13020	651
211,53	211,26	13040	652
210,95	210,66	13060	653
210,33	210,06	13080	654
209,71	209,46	13100	655
209,12	208,86	13120	656
208,52	208,26	13140	657
207,93	207,66	13160	658
207,35	207,06	13180	659
206,74	206,46	13200	660

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE TUNTUM/MA		FOLHA: 26/71	
PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA		DATA: 26/01/2024	
TÍTULO: ESTACAMENTO		ESCALA: 1:100	



TRECHO III: DO POVODADO MATO VERDE AO POVODADO BELEM.  
ESTRADA VICINAL COM LARGURA DE 5,50M  
ESTACA 680 ATÉ 690



TRECHO III: DO POVODADO MATO VERDE AO POVODADO BELEM.  
ESTRADA VICINAL COM LARGURA DE 5,50M  
ESTACA 690 ATÉ 720

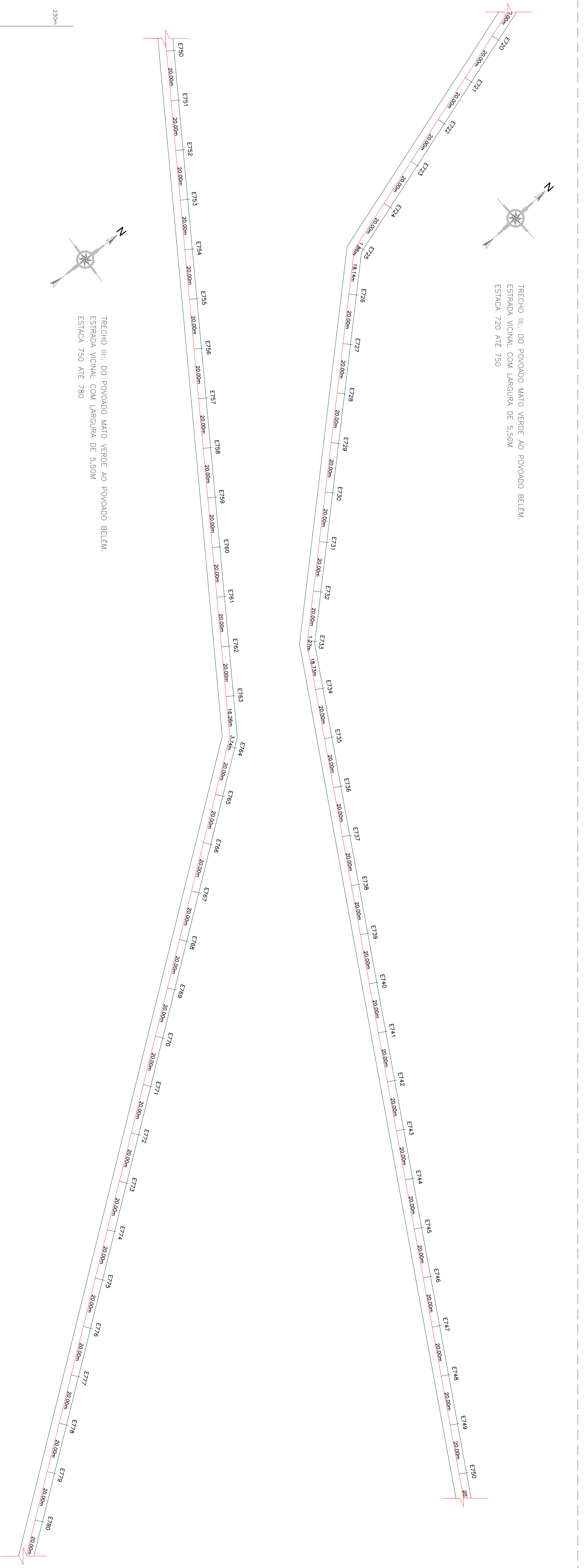
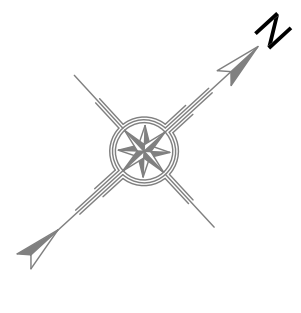


206,74	206,46	13200	660
206,11	205,86	13220	661
205,53	205,26	13240	662
204,95	204,66	13260	663
204,31	204,06	13280	664
203,71	203,46	13300	665
203,13	202,86	13320	666
202,56	202,26	13340	667
201,91	201,66	13360	668
201,36	201,06	13380	669
200,71	200,46	13400	670
200,13	199,86	13420	671
199,56	199,26	13440	672
198,95	198,66	13460	673
198,32	198,06	13480	674
197,74	197,46	13500	675
197,12	196,86	13520	676
196,52	196,26	13540	677
195,96	195,66	13560	678
195,36	195,06	13580	679
194,74	194,46	13600	680
194,12	193,86	13620	681
193,55	193,26	13640	682
192,91	192,66	13660	683
192,36	192,06	13680	684
191,74	191,46	13700	685
191,14	190,86	13720	686
190,51	190,26	13740	687
189,91	189,66	13760	688
189,34	189,06	13780	689
188,76	188,46	13800	690
188,13	187,86	13820	691
187,56	187,26	13840	692
186,95	186,66	13860	693
186,34	186,06	13880	694
185,73	185,46	13900	695
185,12	184,86	13920	696
184,54	184,26	13940	697
183,94	183,66	13960	698
183,32	183,06	13980	699
182,73	182,46	14000	700
182,14	181,86	14020	701
181,53	181,26	14040	702
180,93	180,66	14060	703
180,32	180,06	14080	704
179,76	179,46	14100	705
179,14	178,86	14120	706
178,55	178,26	14140	707
177,91	177,66	14160	708
177,31	177,06	14180	709
176,72	176,46	14200	710
176,15	175,86	14220	711
175,51	175,26	14240	712
174,92	174,66	14260	713
174,31	174,06	14280	714
173,76	173,46	14300	715
173,15	172,86	14320	716
172,56	172,26	14340	717
171,94	171,66	14360	718
171,36	171,06	14380	719
170,74	170,46	14400	720

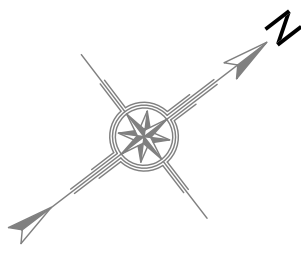
ESTACIAMENTO

PROJETADO:	PREFEITURA MUNICIPAL DE TUNTUM/MA
PROJETO:	RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA
TÍTULO:	ESTACIAMENTO
ESCALA:	
DATA:	JAN/2024
FOLHA:	27/71

TRECHO III: DO POVOADO MATO VERDE AO POVOADO BELEM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 720 ATÉ 750



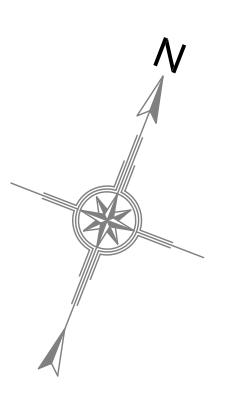
TRECHO III: DO POVOADO MATO VERDE AO POVOADO BELEM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 750 ATÉ 780



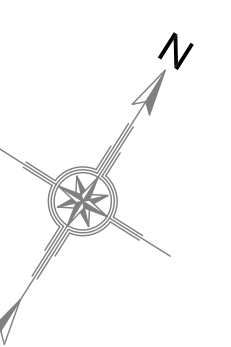
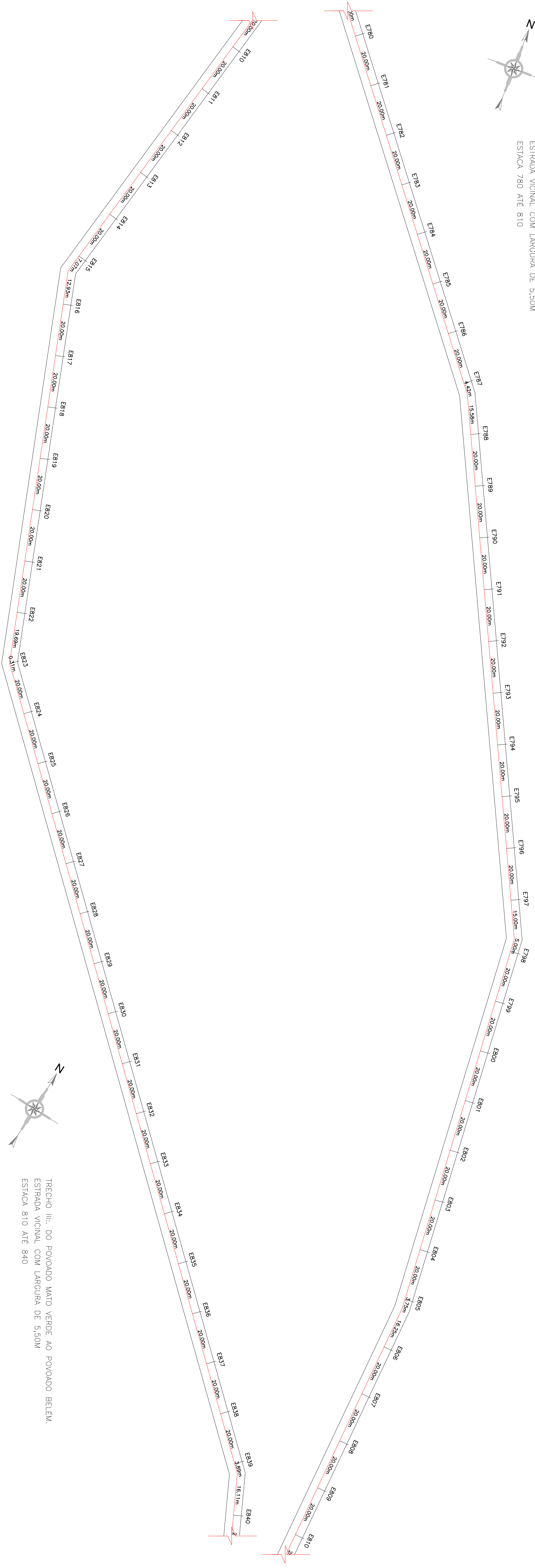
170,74	170,46	14400	720
170,15	169,86	14420	721
169,52	169,26	14440	722
168,93	168,66	14460	723
168,33	168,06	14480	724
167,75	167,46	14500	725
167,16	166,86	14520	726
166,52	166,26	14540	727
165,93	165,66	14560	728
165,32	165,06	14580	729
164,76	164,46	14600	730
164,14	163,86	14620	731
163,54	163,26	14640	732
162,96	162,66	14660	733
162,35	162,06	14680	734
162,26	162,00	14700	735
162,34	162,07	14720	736
162,40	162,14	14740	737
162,51	162,21	14760	738
162,55	162,28	14780	739
162,63	162,35	14800	740
162,67	162,42	14820	741
162,78	162,49	14840	742
162,85	162,56	14860	743
162,88	162,63	14880	744
163,00	162,70	14900	745
163,06	162,77	14920	746
163,11	162,84	14940	747
163,21	162,91	14960	748
163,26	162,98	14980	749
163,30	163,05	15000	750
163,41	163,12	15020	751
163,46	163,19	15040	752
163,51	163,26	15060	753
163,61	163,33	15080	754
163,65	163,40	15100	755
163,72	163,47	15120	756
163,79	163,54	15140	757
163,88	163,61	15160	758
163,96	163,68	15180	759
164,03	163,75	15200	760
164,07	163,82	15220	761
164,18	163,89	15240	762
164,26	163,96	15260	763
164,30	164,03	15280	764
164,38	164,10	15300	765
164,46	164,17	15320	766
164,54	164,24	15340	767
164,59	164,31	15360	768
164,64	164,38	15380	769
164,74	164,45	15400	770
164,79	164,52	15420	771
164,86	164,59	15440	772
164,92	164,66	15460	773
165,01	164,73	15480	774
165,06	164,80	15500	775
165,13	164,87	15520	776
165,23	164,94	15540	777
165,30	165,01	15560	778
165,36	165,08	15580	779
165,43	165,15	15600	780

ESTAJAMENTO

PROJETISTA: PREFEITURA MUNICIPAL DE TUNTUM/MA	
PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA	
TÍTULO: ESTAJAMENTO	DATA: JAN/2024
FOLHA: 28/71	



TRECHO III: DO POVOADO MATO VERDE AO POVOADO BELEM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTAÇA 780 ATE 810



TRECHO III: DO POVOADO MATO VERDE AO POVOADO BELEM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTAÇA 810 ATE 840



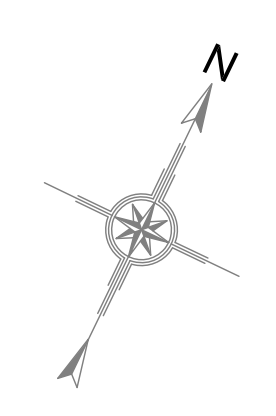
165,43	165,15	15600	780
165,52	165,22	15620	781
165,59	165,29	15640	782
165,64	165,36	15660	783
165,72	165,43	15680	784
165,77	165,50	15700	785
165,86	165,57	15720	786
165,91	165,64	15740	787
166,01	165,71	15760	788
166,06	165,78	15780	789
166,13	165,85	15800	790
166,22	165,92	15820	791
166,27	165,99	15840	792
166,35	166,06	15860	793
166,41	166,13	15880	794
166,45	166,20	15900	795
166,54	166,27	15920	796
166,63	166,34	15940	797
166,66	166,41	15960	798
166,76	166,48	15980	799
166,81	166,55	16000	800
166,89	166,62	16020	801
166,96	166,69	16040	802
167,02	166,76	16060	803
167,12	166,83	16080	804
167,18	166,90	16100	805
167,23	166,97	16120	806
167,31	167,04	16140	807
167,38	167,11	16160	808
167,46	167,18	16180	809
167,51	167,25	16200	810
167,60	167,32	16220	811
167,64	167,39	16240	812
167,71	167,46	16260	813
167,83	167,53	16280	814
167,88	167,60	16300	815
167,95	167,67	16320	816
168,01	167,74	16340	817
168,09	167,81	16360	818
168,13	167,88	16380	819
168,21	167,95	16400	820
168,31	168,02	16420	821
168,34	168,09	16440	822
168,43	168,16	16460	823
168,51	168,23	16480	824
168,58	168,30	16500	825
168,67	168,37	16520	826
168,74	168,44	16540	827
168,78	168,51	16560	828
168,83	168,58	16580	829
168,94	168,65	16600	830
169,00	168,72	16620	831
169,07	168,79	16640	832
169,13	168,86	16660	833
169,21	168,93	16680	834
169,25	169,00	16700	835
169,35	169,07	16720	836
169,42	169,14	16740	837
169,48	169,21	16760	838
169,57	169,28	16780	839
169,65	169,35	16800	840

ESTACIAMENTO

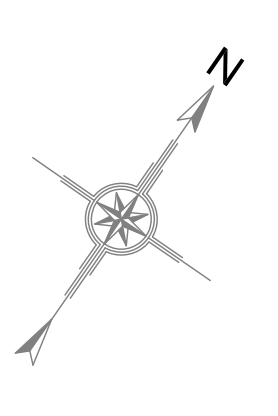
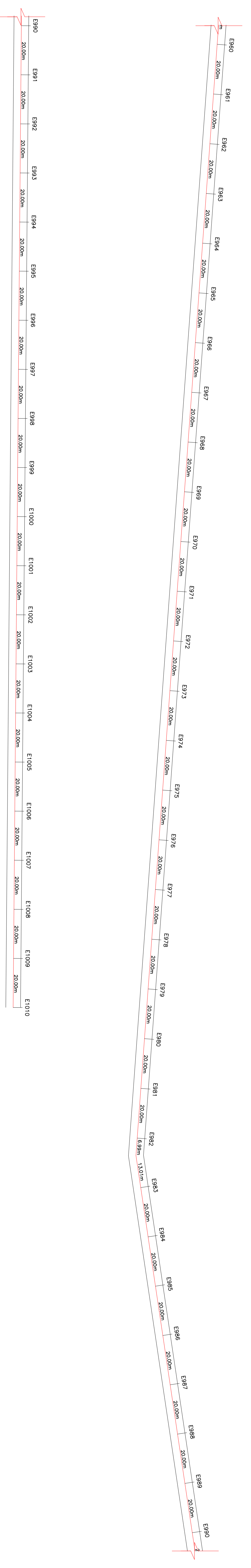
PROPRIETARIO:		PREFEITURA MUNICIPAL DE TUNTUM/MA	
PROJETO:		RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA	
TÍTULO:	ESTACIAMENTO	FRANQUIA:	29/71
ESCALA:		DATA:	JAN/2024



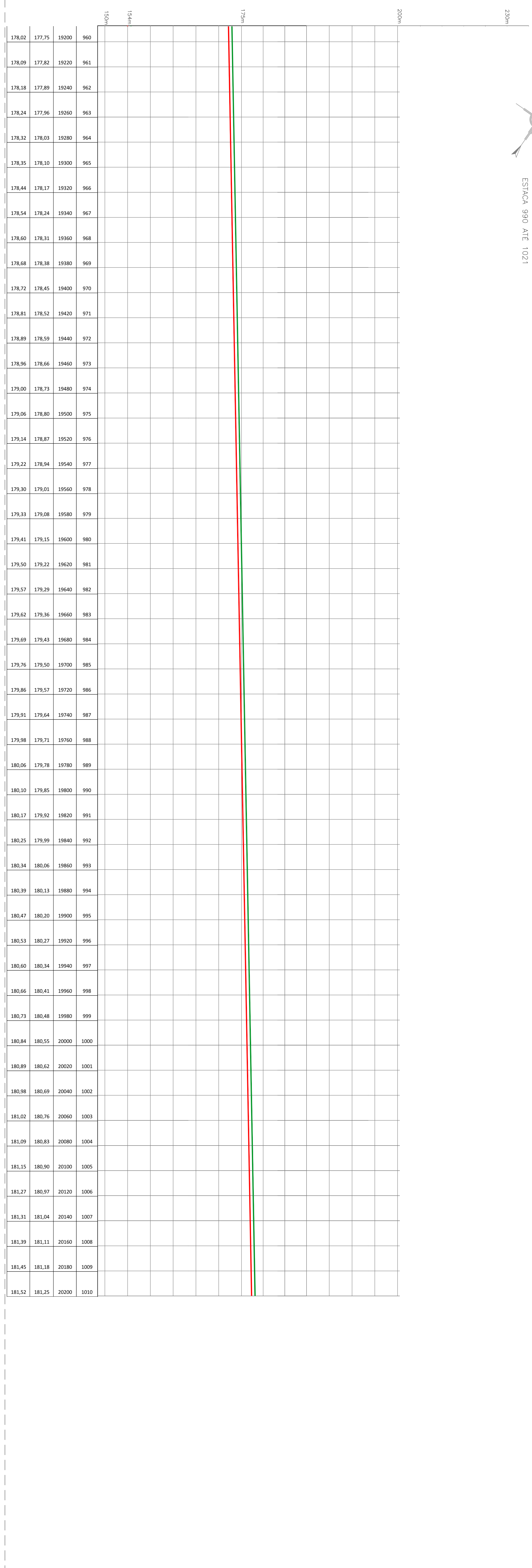




TRECHO III: DO POVOADO MATO VERDE AO POVOADO BELEM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 960 ATE 990



TRECHO III: DO POVOADO MATO VERDE AO POVOADO BELEM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 990 ATE 1021



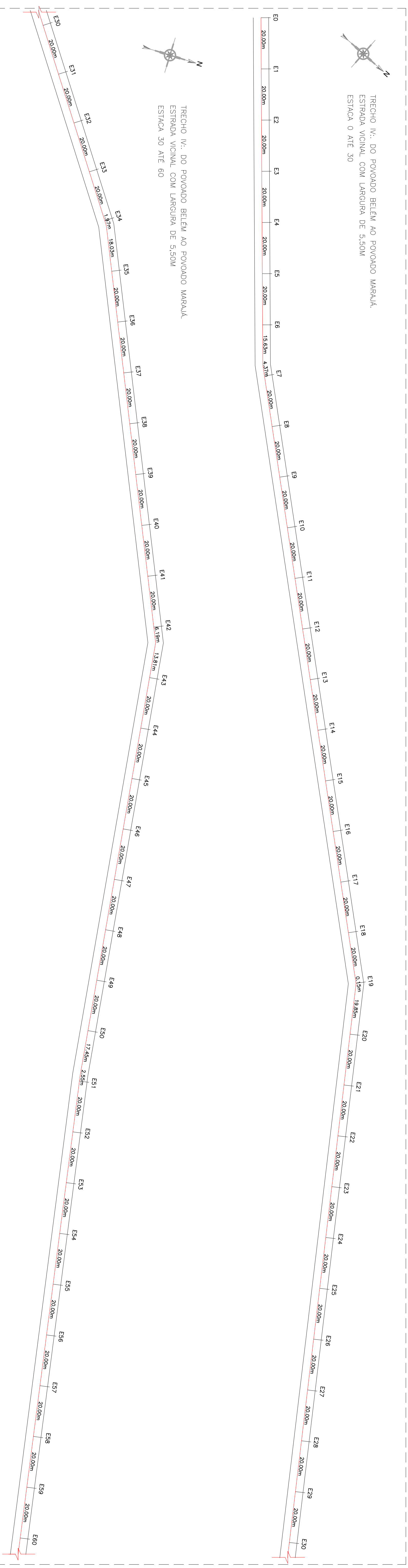
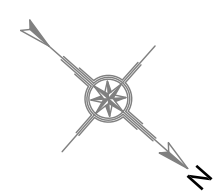
178.02	177.75	19200	960
178.09	177.82	19220	961
178.18	177.89	19240	962
178.24	177.96	19260	963
178.32	178.03	19280	964
178.35	178.10	19300	965
178.44	178.17	19320	966
178.54	178.24	19340	967
178.60	178.31	19360	968
178.68	178.38	19380	969
178.72	178.45	19400	970
178.81	178.52	19420	971
178.89	178.59	19440	972
178.96	178.66	19460	973
179.00	178.73	19480	974
179.06	178.80	19500	975
179.14	178.87	19520	976
179.22	178.94	19540	977
179.30	179.01	19560	978
179.33	179.08	19580	979
179.41	179.15	19600	980
179.50	179.22	19620	981
179.57	179.29	19640	982
179.62	179.36	19660	983
179.69	179.43	19680	984
179.76	179.50	19700	985
179.86	179.57	19720	986
179.91	179.64	19740	987
179.98	179.71	19760	988
180.06	179.78	19780	989
180.10	179.85	19800	990
180.17	179.92	19820	991
180.25	179.99	19840	992
180.34	180.06	19860	993
180.39	180.13	19880	994
180.47	180.20	19900	995
180.53	180.27	19920	996
180.60	180.34	19940	997
180.66	180.41	19960	998
180.73	180.48	19980	999
180.84	180.55	20000	1000
180.89	180.62	20020	1001
180.98	180.69	20040	1002
181.02	180.76	20060	1003
181.09	180.83	20080	1004
181.15	180.90	20100	1005
181.27	180.97	20120	1006
181.31	181.04	20140	1007
181.39	181.11	20160	1008
181.45	181.18	20180	1009
181.52	181.25	20200	1010

ESTACAMENTO

PROMOTORIA: PREFEITURA MUNICIPAL DE TUNTUM/MA	
PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA	
TÍTULO: ESTACAMENTO	DATA: OUT/2023
FOLHA: 32/71	



TRECHO IV: DO POVOADO BELEM AO POVOADO MARAJÁ,  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTAÇÃO 0 ATE 60



182,72	182,46	20	1
182,17	181,92	40	2
181,63	181,38	60	3
181,13	180,84	80	4
180,60	180,30	100	5
180,06	179,76	120	6
179,48	179,22	140	7
178,95	178,68	160	8
178,42	178,14	180	9
177,90	177,60	200	10
177,33	177,06	220	11
176,80	176,52	240	12
176,23	175,98	260	13
175,69	175,44	280	14
175,19	174,89	300	15
176,03	175,76	320	16
176,92	176,63	340	17
177,76	177,50	360	18
178,67	178,37	380	19
179,54	179,24	400	20
180,41	180,11	420	21
181,28	180,98	440	22
182,14	181,85	460	23
182,99	182,72	480	24
183,89	183,59	500	25
184,73	184,46	520	26
185,62	185,33	540	27
186,47	186,20	560	28
187,32	187,07	580	29
188,23	187,94	600	30
189,08	188,81	620	31
189,98	189,68	640	32
190,81	190,55	660	33
191,67	191,42	680	34
192,56	192,29	700	35
193,44	193,16	720	36
194,32	194,03	740	37
195,17	194,90	760	38
196,07	195,77	780	39
196,90	196,64	800	40
197,77	197,51	820	41
198,65	198,38	840	42
199,50	199,25	860	43
200,41	200,12	880	44
201,28	200,99	900	45
202,15	201,86	920	46
203,02	202,73	940	47
203,87	203,60	960	48
204,73	204,47	980	49
205,64	205,34	1000	50
206,48	206,21	1020	51
207,34	207,08	1040	52
208,24	207,95	1060	53
209,10	208,82	1080	54
209,96	209,69	1100	55
210,82	210,56	1120	56
211,69	211,43	1140	57
212,55	212,30	1160	58
213,47	213,17	1180	59
214,34	214,04	1200	60

ESTAQUEAMENTO

PROJETADO: PREFEITURA MUNICIPAL DE TUNTUM/MA

PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA

TÍTULO: ESTAQUEAMENTO

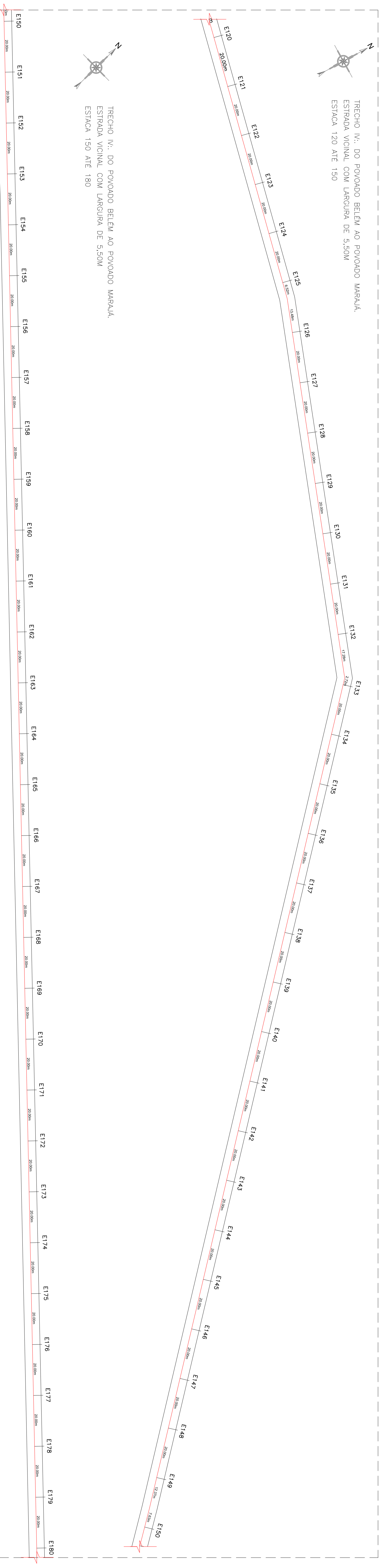
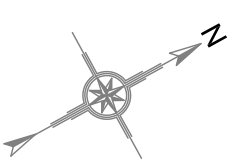
ESCALA:

DATA: JAN/2024

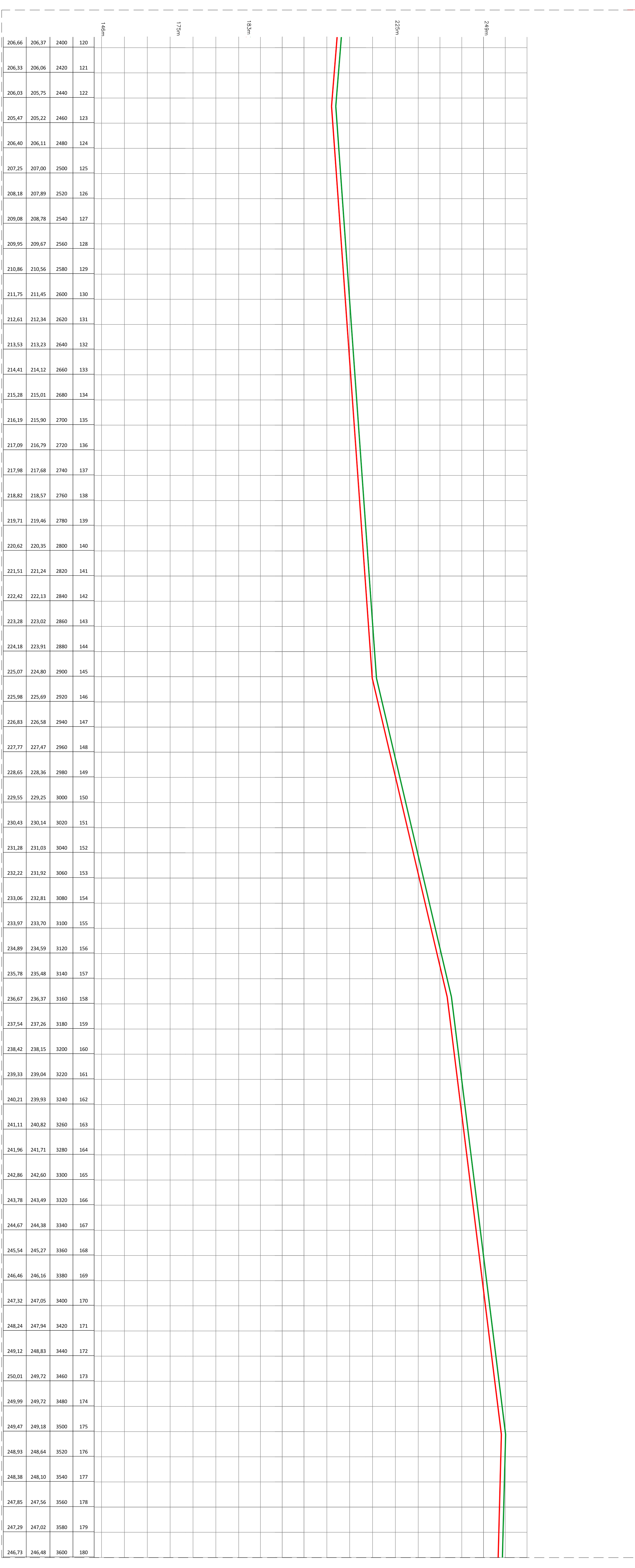
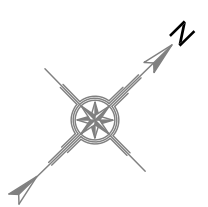
FOLHA: 33/71



TRECHO IV.: DO POÇOADO BELEM AO POÇOADO MARAJÁ.  
ESTRADA VICINAL COM LARGURA DE 5,50M  
ESTAÇÃO 120 ATÉ 150



TRECHO IV.: DO POÇOADO BELEM AO POÇOADO MARAJÁ.  
ESTRADA VICINAL COM LARGURA DE 5,50M  
ESTAÇÃO 150 ATÉ 180



206,66	206,37	2400	120
206,33	206,06	2420	121
206,03	205,75	2440	122
205,47	205,22	2460	123
206,40	206,11	2480	124
207,25	207,00	2500	125
208,18	207,89	2520	126
209,08	208,78	2540	127
209,95	209,67	2560	128
210,86	210,56	2580	129
211,75	211,45	2600	130
212,61	212,34	2620	131
213,53	213,23	2640	132
214,41	214,12	2660	133
215,28	215,01	2680	134
216,19	215,90	2700	135
217,09	216,79	2720	136
217,98	217,68	2740	137
218,82	218,57	2760	138
219,71	219,46	2780	139
220,62	220,35	2800	140
221,51	221,24	2820	141
222,42	222,13	2840	142
223,28	223,02	2860	143
224,18	223,91	2880	144
225,07	224,80	2900	145
225,98	225,69	2920	146
226,83	226,58	2940	147
227,77	227,47	2960	148
228,65	228,36	2980	149
229,55	229,25	3000	150
230,43	230,14	3020	151
231,28	231,03	3040	152
232,22	231,92	3060	153
233,06	232,81	3080	154
233,97	233,70	3100	155
234,89	234,59	3120	156
235,78	235,48	3140	157
236,67	236,37	3160	158
237,54	237,26	3180	159
238,42	238,15	3200	160
239,33	239,04	3220	161
240,21	239,93	3240	162
241,11	240,82	3260	163
241,96	241,71	3280	164
242,86	242,60	3300	165
243,78	243,49	3320	166
244,67	244,38	3340	167
245,54	245,27	3360	168
246,46	246,16	3380	169
247,32	247,05	3400	170
248,24	247,94	3420	171
249,12	248,83	3440	172
250,01	249,72	3460	173
249,99	249,72	3480	174
249,47	249,18	3500	175
248,93	248,64	3520	176
248,38	248,10	3540	177
247,85	247,56	3560	178
247,29	247,02	3580	179
246,73	246,48	3600	180

### ESTAQUEAMENTO

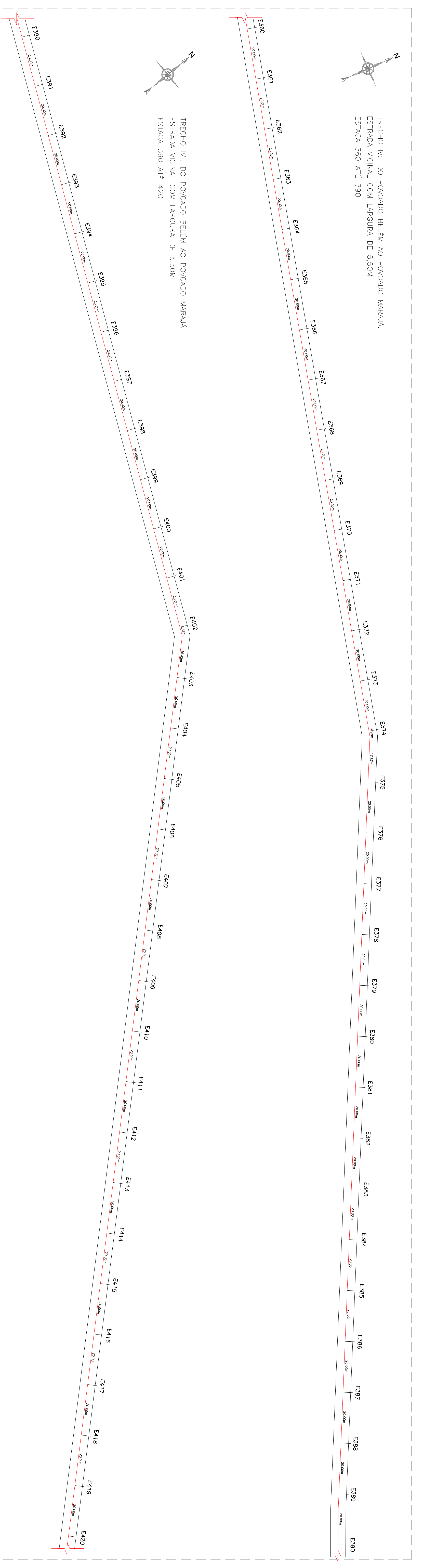
PROMOTORIA: PREFEITURA MUNICIPAL DE TUNTUM/MA  
PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA  
TÍTULO: ESTAQUEAMENTO

PRÁTICA: 35/71  
ESCALA:  
DATA: JAN/2024









TRECHO IV.: DO POVOADO BELEM AO POVOADO MARAJÁ.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTAÇA 390 ATÉ 420



170,72	170,47	7200	360
171,33	171,07	7220	361
171,93	171,67	7240	362
172,53	172,27	7260	363
173,17	172,87	7280	364
173,72	173,47	7300	365
174,36	174,07	7320	366
174,97	174,67	7340	367
175,52	175,27	7360	368
176,15	175,87	7380	369
176,74	176,47	7400	370
177,37	177,07	7420	371
177,96	177,67	7440	372
178,54	178,27	7460	373
179,15	178,87	7480	374
179,76	179,47	7500	375
180,35	180,07	7520	376
180,92	180,67	7540	377
181,54	181,27	7560	378
182,14	181,87	7580	379
182,73	182,47	7600	380
183,35	183,07	7620	381
183,97	183,67	7640	382
184,53	184,27	7660	383
185,12	184,87	7680	384
185,74	185,47	7700	385
186,33	186,07	7720	386
186,93	186,67	7740	387
187,56	187,27	7760	388
188,17	187,87	7780	389
188,77	188,47	7800	390
189,36	189,07	7820	391
189,95	189,67	7840	392
190,54	190,27	7860	393
191,16	190,87	7880	394
191,77	191,47	7900	395
192,36	192,07	7920	396
192,96	192,67	7940	397
193,55	193,27	7960	398
194,14	193,87	7980	399
193,70	193,45	8000	400
192,87	192,58	8020	401
191,97	191,71	8040	402
191,14	190,84	8060	403
190,27	189,97	8080	404
189,35	189,10	8100	405
188,52	188,23	8120	406
187,66	187,36	8140	407
186,74	186,49	8160	408
185,89	185,62	8180	409
185,02	184,75	8200	410
184,17	183,88	8220	411
183,28	183,01	8240	412
182,40	182,14	8260	413
181,56	181,27	8280	414
181,29	181,00	8300	415
181,78	181,53	8320	416
182,32	182,06	8340	417
182,89	182,59	8360	418
183,40	183,12	8380	419
183,95	183,65	8400	420

ESTADAMENTO

PROMETIDA: PREFEITURA MUNICIPAL DE TUNTUM/MA

PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA

TÍTULO: ESTADAMENTO

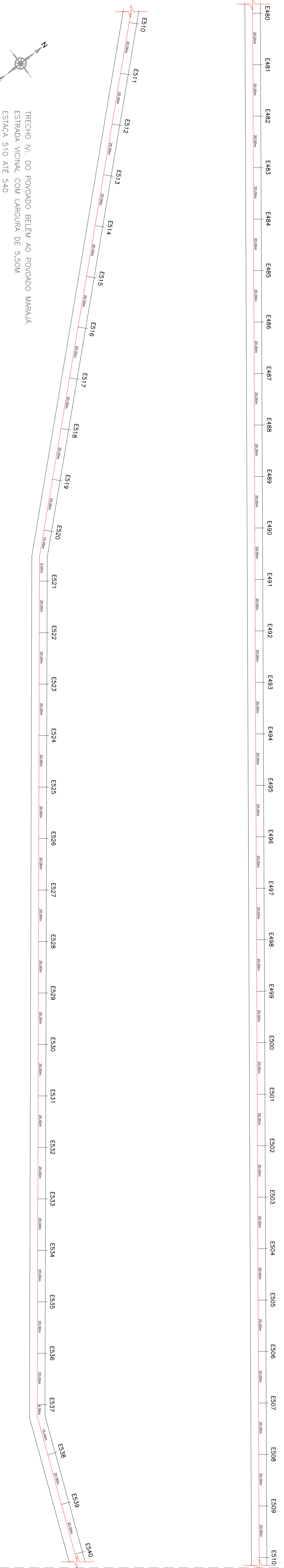
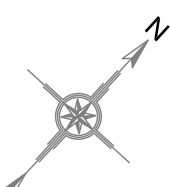
ESCALA:

DATA: JAN/2024

FOLHA: 39/71







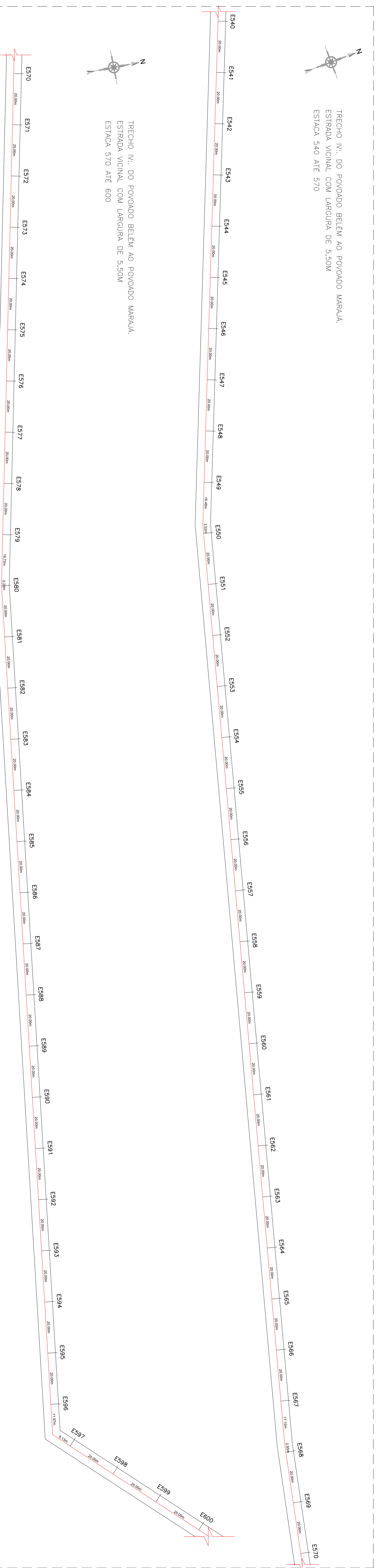
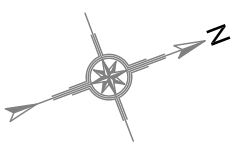
TRECHO IV.: DO POVOADO BELEM AO POVOADO MARAJÁ.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTAÇA 510 ATÉ 540

		249m	
		225m	
		183m	
		175m	
		146m	
215,74	215,45	9600	480
216,27	215,98	9620	481
216,77	216,51	9640	482
217,31	217,04	9660	483
217,86	217,57	9680	484
218,40	218,10	9700	485
218,89	218,63	9720	486
219,44	219,16	9740	487
219,97	219,69	9760	488
220,47	220,22	9780	489
221,04	220,75	9800	490
221,58	221,28	9820	491
222,06	221,81	9840	492
222,60	222,34	9860	493
223,13	222,87	9880	494
223,66	223,40	9900	495
224,19	223,93	9920	496
224,76	224,46	9940	497
225,27	224,99	9960	498
225,82	225,52	9980	499
226,26	226,00	10000	500
225,60	225,31	10020	501
224,89	224,62	10040	502
224,19	223,93	10060	503
223,51	223,24	10080	504
222,80	222,55	10100	505
222,11	221,86	10120	506
221,44	221,17	10140	507
220,77	220,48	10160	508
220,09	219,79	10180	509
219,36	219,10	10200	510
218,70	218,41	10220	511
217,97	217,72	10240	512
217,30	217,03	10260	513
216,62	216,34	10280	514
215,93	215,65	10300	515
215,24	214,96	10320	516
214,57	214,27	10340	517
213,85	213,58	10360	518
213,15	212,89	10380	519
212,46	212,20	10400	520
211,78	211,51	10420	521
211,09	210,82	10440	522
210,43	210,13	10460	523
209,72	209,44	10480	524
209,05	208,75	10500	525
208,35	208,06	10520	526
207,64	207,37	10540	527
206,93	206,68	10560	528
206,28	205,99	10580	529
205,58	205,30	10600	530
204,88	204,61	10620	531
204,22	203,92	10640	532
203,48	203,23	10660	533
202,79	202,54	10680	534
202,15	201,85	10700	535
201,42	201,16	10720	536
200,74	200,47	10740	537
200,08	199,78	10760	538
199,39	199,09	10780	539
198,70	198,40	10800	540

ESTAQUEAMENTO

PROJETISTA:	PREFEITURA MUNICIPAL DE TUNTUM/MA	PROJETO:	RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA
TÍTULO:	ESTAQUEAMENTO	ESCALA:	1:100
		DATA:	JAN/2024
		PROJETO Nº:	41/71

TRECHO IV: DO POVOADO BELEM AO POVOADO MARAJÁ.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 540 ATÉ 570

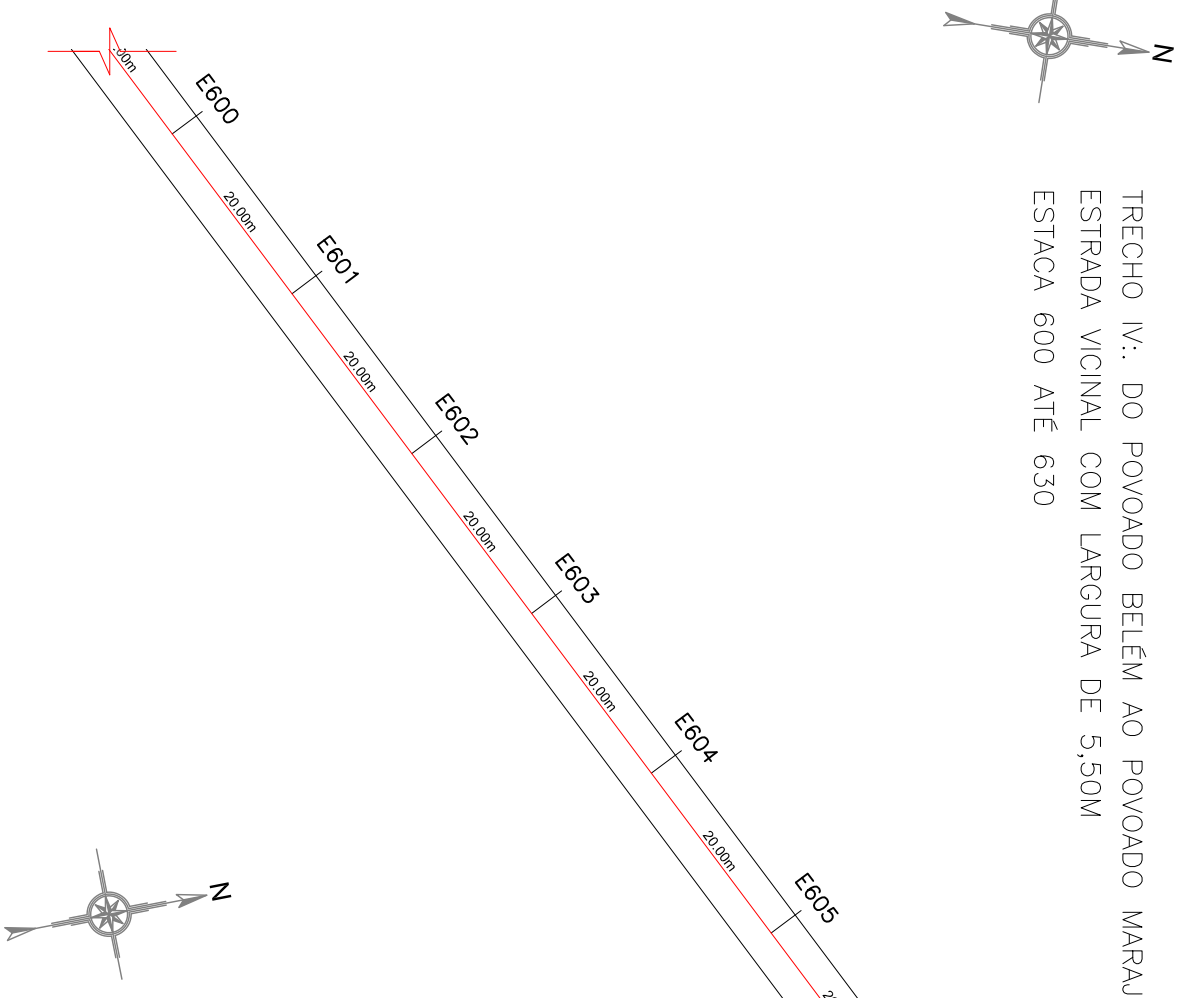


198,70	198,40	10800	540
197,97	197,71	10820	541
197,29	197,02	10840	542
196,60	196,33	10860	543
195,90	195,64	10880	544
195,24	194,95	10900	545
194,51	194,26	10920	546
193,87	193,57	10940	547
193,15	192,88	10960	548
192,47	192,19	10980	549
191,80	191,50	11000	550
191,11	190,81	11020	551
190,42	190,12	11040	552
189,68	189,43	11060	553
189,00	188,74	11080	554
188,35	188,05	11100	555
187,61	187,36	11120	556
186,96	186,67	11140	557
186,25	185,98	11160	558
185,54	185,29	11180	559
184,90	184,60	11200	560
184,21	183,91	11220	561
183,51	183,22	11240	562
182,83	182,53	11260	563
182,09	181,84	11280	564
181,40	181,15	11300	565
180,75	180,46	11320	566
180,07	179,77	11340	567
179,33	179,08	11360	568
178,68	178,39	11380	569
177,95	177,70	11400	570
177,28	177,01	11420	571
176,59	176,32	11440	572
175,92	175,63	11460	573
175,20	174,94	11480	574
174,51	174,25	11500	575
173,81	173,56	11520	576
173,14	172,87	11540	577
172,45	172,18	11560	578
171,77	171,49	11580	579
171,06	170,80	11600	580
170,39	170,11	11620	581
169,69	169,42	11640	582
169,00	168,73	11660	583
168,32	168,04	11680	584
167,62	167,35	11700	585
166,92	166,66	11720	586
166,22	165,97	11740	587
165,54	165,28	11760	588
164,88	164,59	11780	589
164,16	163,90	11800	590
163,48	163,21	11820	591
162,77	162,52	11840	592
162,08	161,83	11860	593
161,42	161,14	11880	594
160,71	160,45	11900	595
160,02	159,76	11920	596
159,32	159,07	11940	597
158,67	158,38	11960	598
157,97	157,69	11980	599
157,28	157,00	12000	600

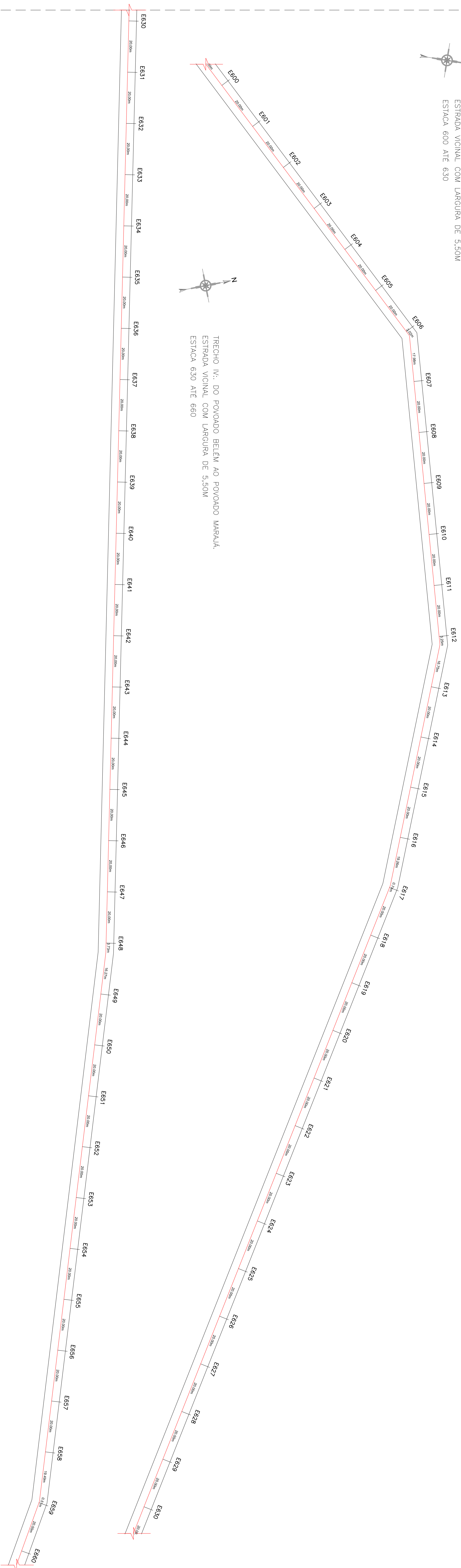
ESTAOUEAMENTO

PROJETISTA: PREFEITURA MUNICIPAL DE TUNTUM/MA	
PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA	
TÍTULO: ESTAOUEAMENTO	DATA: JAN/2024
ESCALA:	PRÁTICA: 42/71

TRECHO IV.: DO POVOADO BELEM AO POVOADO MARAJÁ.  
ESTRADA VICINAL COM LARGURA DE 5,50M  
ESTIACA 600 ATE 630



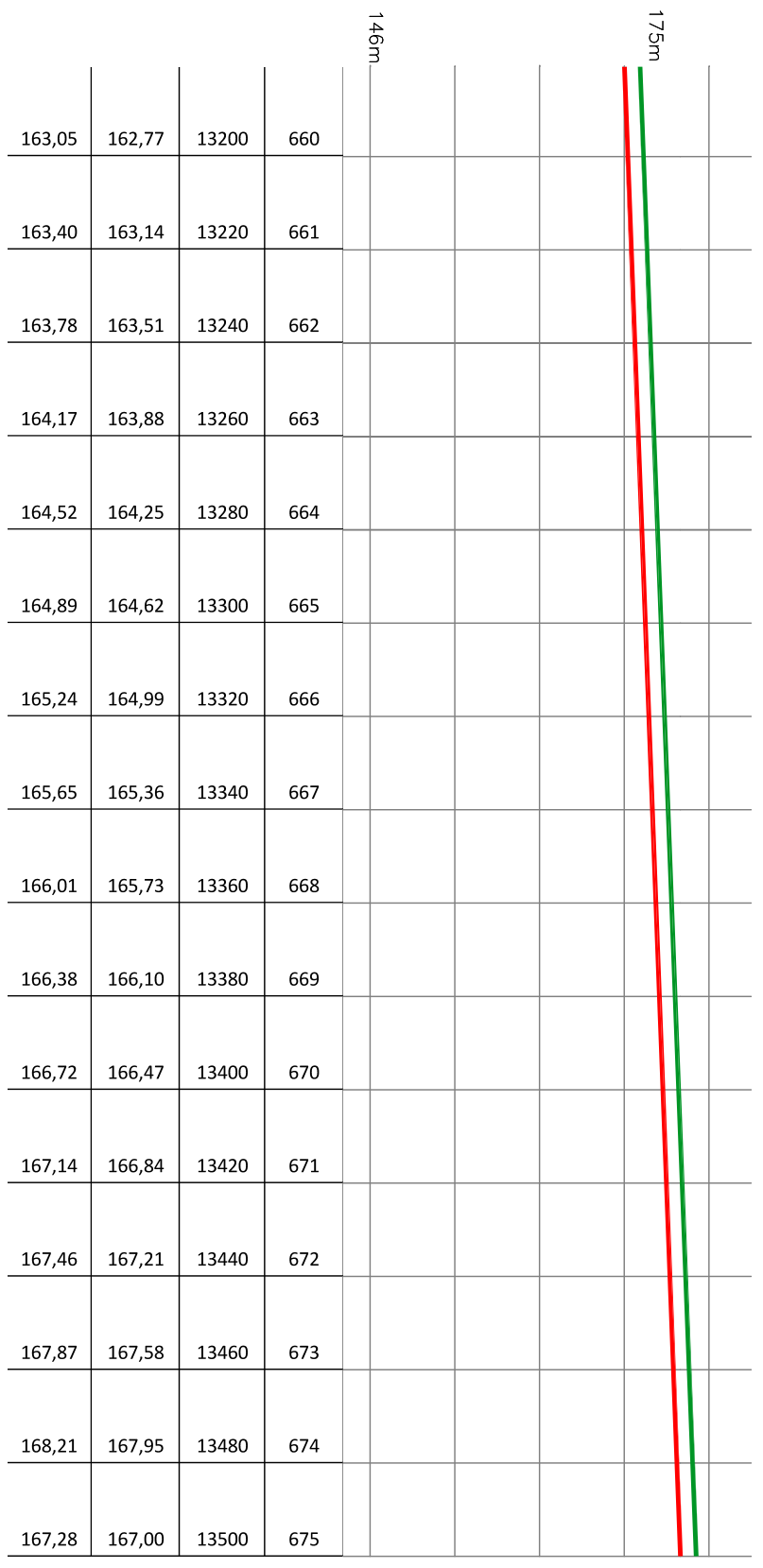
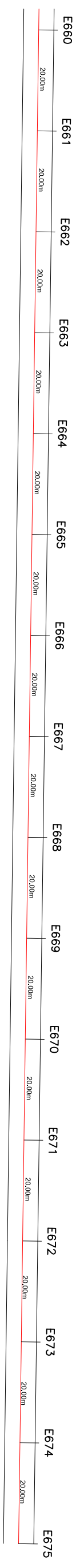
TRECHO IV.: DO POVOADO BELEM AO POVOADO MARAJÁ.  
ESTRADA VICINAL COM LARGURA DE 5,50M  
ESTIACA 630 ATE 660



249m				
225m				
183m				
175m				
146m				
157,28	157,00	12000	600	
156,60	156,31	12020	601	
155,92	155,62	12040	602	
155,18	154,93	12060	603	
154,54	154,24	12080	604	
153,85	153,55	12100	605	
153,16	152,86	12120	606	
152,47	152,17	12140	607	
151,73	151,48	12160	608	
151,07	150,79	12180	609	
150,38	150,10	12200	610	
149,69	149,41	12220	611	
149,00	148,72	12240	612	
148,29	148,03	12260	613	
147,59	147,34	12280	614	
146,93	146,12	12300	615	
146,28	146,49	12320	616	
147,16	146,86	12340	617	
147,48	147,23	12360	618	
147,88	147,60	12380	619	
148,26	147,97	12400	620	
148,64	148,34	12420	621	
148,96	148,71	12440	622	
149,36	149,08	12460	623	
149,72	149,45	12480	624	
150,07	149,82	12500	625	
150,44	150,19	12520	626	
150,83	150,56	12540	627	
151,21	150,93	12560	628	
151,59	151,30	12580	629	
151,94	151,67	12600	630	
152,34	152,04	12620	631	
152,66	152,41	12640	632	
153,08	152,78	12660	633	
153,45	153,15	12680	634	
153,80	153,52	12700	635	
154,16	153,89	12720	636	
154,53	154,26	12740	637	
154,89	154,63	12760	638	
155,30	155,00	12780	639	
155,67	155,37	12800	640	
156,02	155,74	12820	641	
156,36	156,11	12840	642	
156,78	156,48	12860	643	
157,10	156,85	12880	644	
157,47	157,22	12900	645	
157,89	157,59	12920	646	
158,26	157,96	12940	647	
158,58	158,33	12960	648	
158,98	158,70	12980	649	
159,35	159,07	13000	650	
159,72	159,44	13020	651	
160,06	159,81	13040	652	
160,48	160,18	13060	653	
160,81	160,55	13080	654	
161,20	160,92	13100	655	
161,58	161,29	13120	656	
161,94	161,66	13140	657	
162,30	162,03	13160	658	
162,69	162,40	13180	659	
163,05	162,77	13200	660	

ESTADAMENTO

PROMOTORIA: PREFEITURA MUNICIPAL DE TUNTUM/MA  
PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA  
TÍTULO: ESTADAMENTO  
Escala:  
Data:  
Folha: 43/71  
JAN/2024

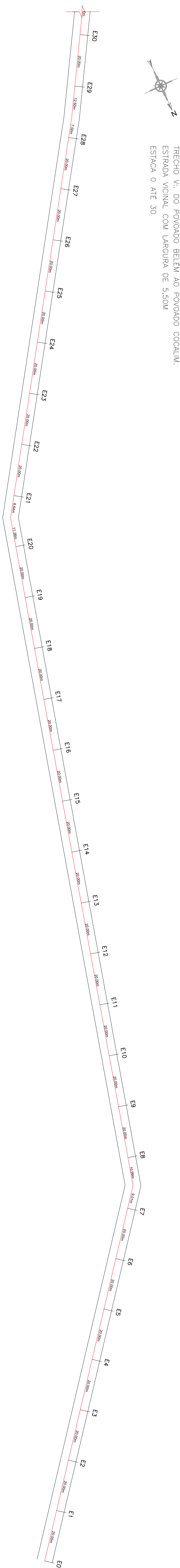


163,05	162,77	13200	660
163,40	163,14	13220	661
163,78	163,51	13240	662
164,17	163,88	13260	663
164,52	164,25	13280	664
164,89	164,62	13300	665
165,24	164,99	13320	666
165,65	165,36	13340	667
166,01	165,73	13360	668
166,38	166,10	13380	669
166,72	166,47	13400	670
167,14	166,84	13420	671
167,46	167,21	13440	672
167,87	167,58	13460	673
168,21	167,95	13480	674
167,28	167,00	13500	675

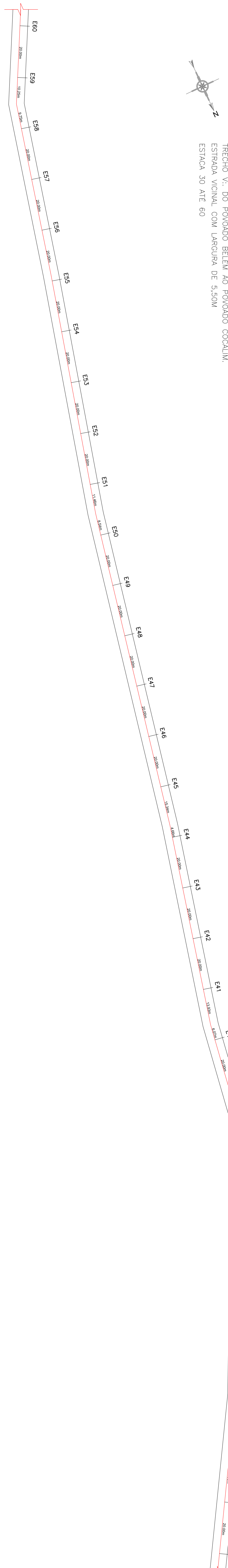
ESTAQUEAMENTO

PROPRIETÁRIO: <b>PREFEITURA MUNICIPAL DE TUNTUM/MA</b>		PRANCHAS: <b>44/71</b>	
PROJETO: <b>RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA</b>			
TÍTULO: <b>ESTAQUEAMENTO</b>	ESCALA:	DATA: <b>JAN/2024</b>	

TRECHO V.: DO POVOADO BELEM AO POVOADO COCALIM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 0 ATÉ 30



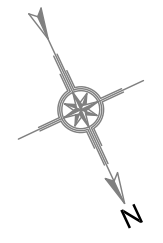
TRECHO V.: DO POVOADO BELEM AO POVOADO COCALIM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 30 ATÉ 60



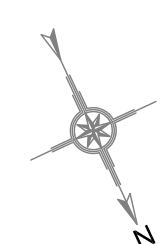
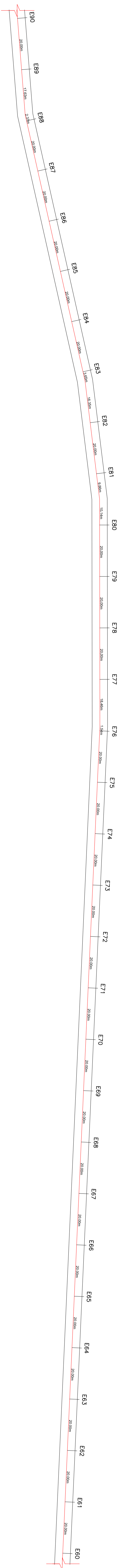
182,73	182,46	20	1
182,47	182,22	40	2
182,24	181,98	60	3
182,02	181,74	80	4
181,80	181,50	100	5
181,54	181,26	120	6
181,29	181,02	140	7
181,06	180,78	160	8
180,80	180,54	180	9
180,55	180,30	200	10
180,32	180,06	220	11
180,11	179,82	240	12
179,84	179,58	260	13
180,01	179,71	280	14
180,11	179,84	300	15
180,26	179,97	320	16
180,39	180,10	340	17
180,49	180,23	360	18
180,63	180,36	380	19
180,78	180,49	400	20
180,88	180,62	420	21
181,04	180,75	440	22
181,17	180,88	460	23
181,27	181,01	480	24
181,41	181,14	500	25
181,56	181,27	520	26
181,69	181,40	540	27
181,80	181,53	560	28
181,94	181,66	580	29
182,07	181,79	600	30
182,21	181,92	620	31
182,32	182,05	640	32
182,47	182,18	660	33
182,61	182,31	680	34
182,72	182,44	700	35
182,86	182,57	720	36
182,98	182,70	740	37
183,11	182,83	760	38
183,22	182,96	780	39
183,39	183,09	800	40
183,52	183,22	820	41
183,65	183,35	840	42
183,73	183,48	860	43
183,87	183,61	880	44
183,99	183,74	900	45
184,15	183,87	920	46
184,25	184,00	940	47
184,42	184,13	960	48
184,55	184,26	980	49
184,64	184,39	1000	50
184,82	184,52	1020	51
184,92	184,65	1040	52
185,04	184,78	1060	53
185,16	184,91	1080	54
185,33	185,04	1100	55
185,43	185,17	1120	56
185,59	185,30	1140	57
185,73	185,43	1160	58
185,82	185,56	1180	59
185,98	185,69	1200	60

ESTAOQUEAMENTO

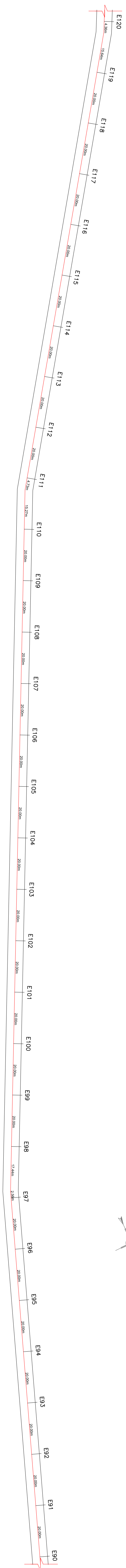
PROMETARIO: PREFEITURA MUNICIPAL DE TUNTUM/MA	
PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA	PARCELHA: 45/71
TÍTULO: ESTAOQUEAMENTO	DATA: JAN/2024
ESCALA:	



TRECHO V.: DO POVOADO BELEM AO POVOADO COCALIM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 60 ATE 90



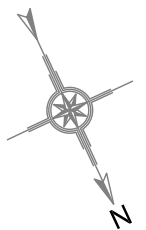
TRECHO V.: DO POVOADO BELEM AO POVOADO COCALIM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 90 ATE 120



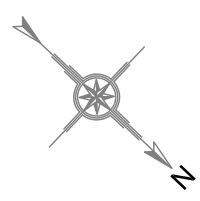
185,98	185,69	1200	60
186,10	185,82	1220	61
186,21	185,95	1240	62
186,35	186,08	1260	63
186,51	186,21	1280	64
186,59	186,34	1300	65
186,77	186,47	1320	66
186,89	186,60	1340	67
186,99	186,73	1360	68
187,14	186,86	1380	69
187,27	186,99	1400	70
187,39	187,12	1420	71
187,51	187,25	1440	72
187,64	187,38	1460	73
187,80	187,51	1480	74
187,89	187,64	1500	75
188,04	187,77	1520	76
188,17	187,90	1540	77
188,28	188,03	1560	78
188,44	188,16	1580	79
188,56	188,29	1600	80
188,67	188,42	1620	81
188,85	188,55	1640	82
188,93	188,68	1660	83
189,09	188,81	1680	84
189,24	188,94	1700	85
189,34	189,07	1720	86
189,45	189,20	1740	87
189,60	189,33	1760	88
189,75	189,46	1780	89
190,83	190,54	1800	90
190,58	190,32	1820	91
190,38	190,10	1840	92
190,18	189,88	1860	93
189,94	189,66	1880	94
189,74	189,44	1900	95
189,52	189,22	1920	96
189,28	189,00	1940	97
189,05	188,78	1960	98
188,84	188,56	1980	99
188,61	188,34	2000	100
188,42	188,12	2020	101
188,15	187,90	2040	102
187,95	187,68	2060	103
187,72	187,46	2080	104
186,94	186,67	2100	105
187,38	187,10	2120	106
187,80	187,53	2140	107
188,23	187,96	2160	108
188,69	188,39	2180	109
189,07	188,82	2200	110
189,50	189,25	2220	111
189,96	189,68	2240	112
190,40	190,11	2260	113
190,81	190,54	2280	114
191,24	190,97	2300	115
191,65	191,40	2320	116
192,08	191,83	2340	117
192,52	192,26	2360	118
192,97	192,69	2380	119
193,37	193,12	2400	120

ESTADAMENTO

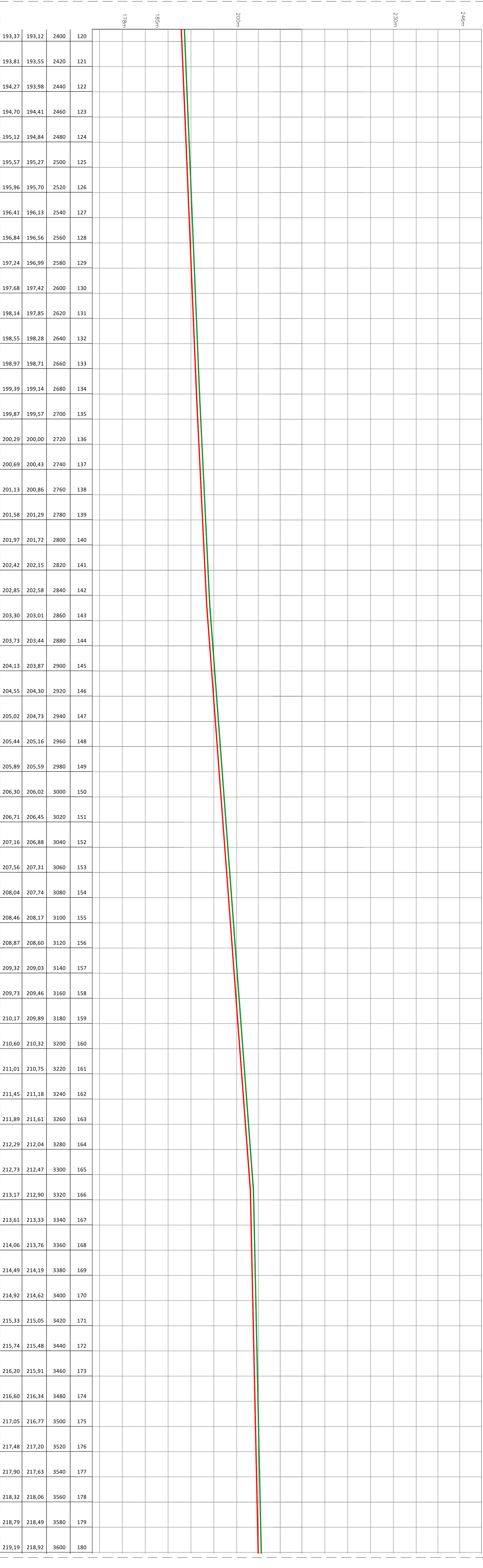
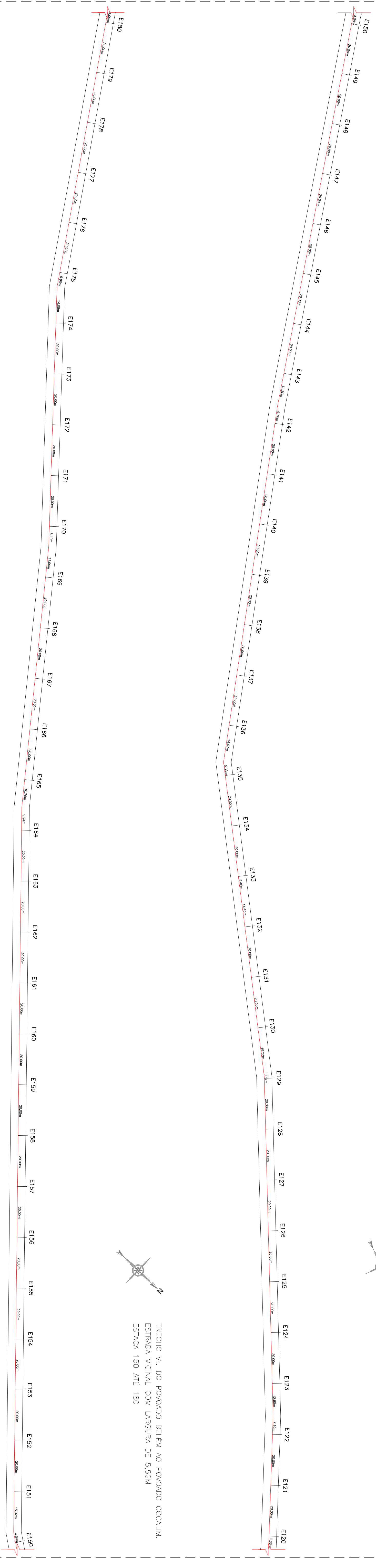
PROJETAO: PREFEITURA MUNICIPAL DE TUNTUM/MA		FOLHA: 46/71	
PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA		DATA: JAN/2024	
TÍTULO: ESTADAMENTO	ESCALA:	DATA:	



TRECHO V.: DO POVOADO BELEM AO POVOADO COCALUM.  
ESTRADA VICINAL COM LARGURA DE 5,50M  
ESTAÇA 120 ATÉ 150



TRECHO V.: DO POVOADO BELEM AO POVOADO COCALUM.  
ESTRADA VICINAL COM LARGURA DE 5,50M  
ESTAÇA 150 ATÉ 180



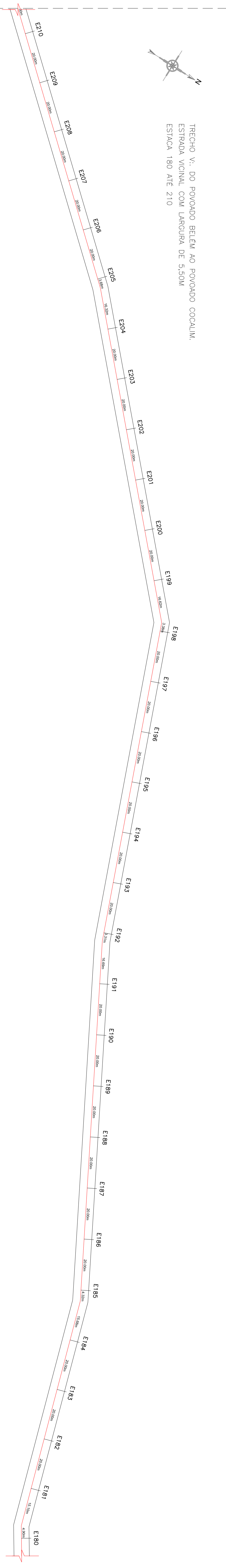
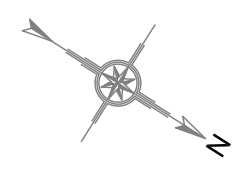
193,37	193,12	2400	120
193,81	193,55	2420	121
194,27	193,98	2440	122
194,70	194,41	2460	123
195,12	194,84	2480	124
195,57	195,27	2500	125
195,96	195,70	2520	126
196,41	196,13	2540	127
196,84	196,56	2560	128
197,24	196,99	2580	129
197,68	197,42	2600	130
198,14	197,85	2620	131
198,55	198,28	2640	132
198,97	198,71	2660	133
199,39	199,14	2680	134
199,87	199,57	2700	135
200,29	200,00	2720	136
200,69	200,43	2740	137
201,13	200,86	2760	138
201,58	201,29	2780	139
201,97	201,72	2800	140
202,42	202,15	2820	141
202,85	202,58	2840	142
203,30	203,01	2860	143
203,73	203,44	2880	144
204,13	203,87	2900	145
204,55	204,30	2920	146
205,02	204,73	2940	147
205,44	205,16	2960	148
205,89	205,59	2980	149
206,30	206,02	3000	150
206,71	206,45	3020	151
207,16	206,88	3040	152
207,56	207,31	3060	153
208,04	207,74	3080	154
208,46	208,17	3100	155
208,87	208,60	3120	156
209,32	209,03	3140	157
209,73	209,46	3160	158
210,17	209,89	3180	159
210,60	210,32	3200	160
211,01	210,75	3220	161
211,45	211,18	3240	162
211,89	211,61	3260	163
212,29	212,04	3280	164
212,73	212,47	3300	165
213,17	212,90	3320	166
213,61	213,33	3340	167
214,06	213,76	3360	168
214,49	214,19	3380	169
214,92	214,62	3400	170
215,33	215,05	3420	171
215,74	215,48	3440	172
216,20	215,91	3460	173
216,60	216,34	3480	174
217,05	216,77	3500	175
217,48	217,20	3520	176
217,90	217,63	3540	177
218,32	218,06	3560	178
218,79	218,49	3580	179
219,19	218,92	3600	180

ESTAQUEAMENTO

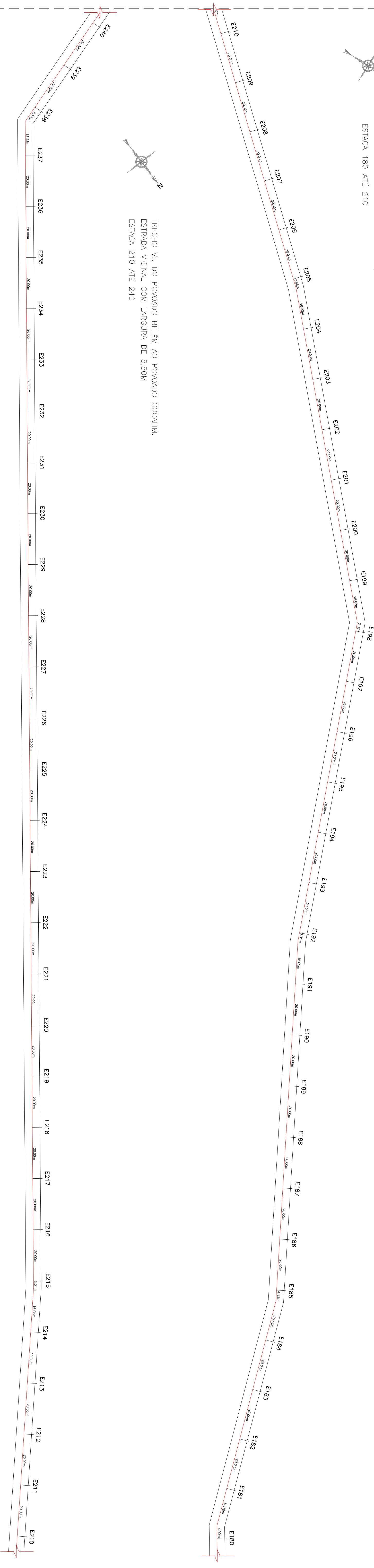
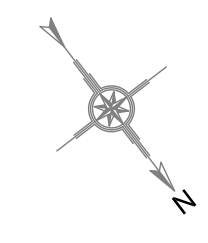
PROMOTORIAO: PREFEITURA MUNICIPAL DE TUNTUM/MA  
PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA  
TÍTULO: ESTAQUEAMENTO

ESCALA: DATA: 47/71  
DATA: 47/71  
DATA: 47/71

TRECHO V.: DO POVOADO BELEM AO POVOADO COCALIM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 180 ATÉ 210



TRECHO V.: DO POVOADO BELEM AO POVOADO COCALIM.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 210 ATÉ 240



219.19	218.92	3600	180	219.61	219.35	3620	181	220.04	219.78	3640	182	220.48	220.21	3660	183	220.90	220.64	3680	184	221.37	221.07	3700	185	221.75	221.50	3720	186	222.19	221.93	3740	187	222.66	222.36	3760	188	223.08	222.79	3780	189	223.49	223.22	3800	190	223.95	223.65	3820	191	224.38	224.08	3840	192	224.81	224.51	3860	193	225.21	224.94	3880	194	225.64	225.37	3900	195	226.08	225.80	3920	196	226.52	226.23	3940	197	226.91	226.66	3960	198	227.35	227.09	3980	199	227.79	227.52	4000	200	228.25	227.95	4020	201	228.68	228.38	4040	202	229.10	228.81	4060	203	229.54	229.24	4080	204	229.97	229.67	4100	205	230.36	230.10	4120	206	230.83	230.53	4140	207	231.22	230.96	4160	208	231.64	231.39	4180	209	232.09	231.82	4200	210	232.54	232.25	4220	211	232.95	232.68	4240	212	233.37	233.11	4260	213	233.84	233.54	4280	214	234.24	233.97	4300	215	234.67	234.40	4320	216	235.13	234.83	4340	217	235.55	235.26	4360	218	235.97	235.69	4380	219	236.41	236.12	4400	220	236.85	236.55	4420	221	237.26	236.98	4440	222	237.67	237.41	4460	223	238.14	237.84	4480	224	238.53	238.27	4500	225	238.98	238.70	4520	226	239.39	239.13	4540	227	239.81	239.56	4560	228	240.26	239.99	4580	229	240.70	240.42	4600	230	241.15	240.85	4620	231	241.55	241.28	4640	232	241.99	241.71	4660	233	242.41	242.14	4680	234	242.82	242.57	4700	235	243.25	243.00	4720	236	243.72	243.43	4740	237	244.13	243.86	4760	238	244.57	244.29	4780	239	245.00	244.72	4800	240
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ESTAJAMENTO

PROJETAO: PREFEITURA MUNICIPAL DE TUNTUM/MA		PRACICA: 48/71	
PROJETO: RECUPERACAO DE ESTRADAS VICINAS NO MUNICIPIO DE TUNTUM/MA		DATA: JAN/2024	
TITULO: ESTAJAMENTO	ESCALA:	DATA:	JAN/2024

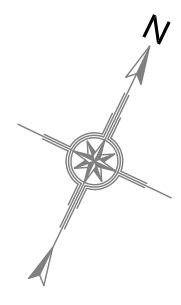




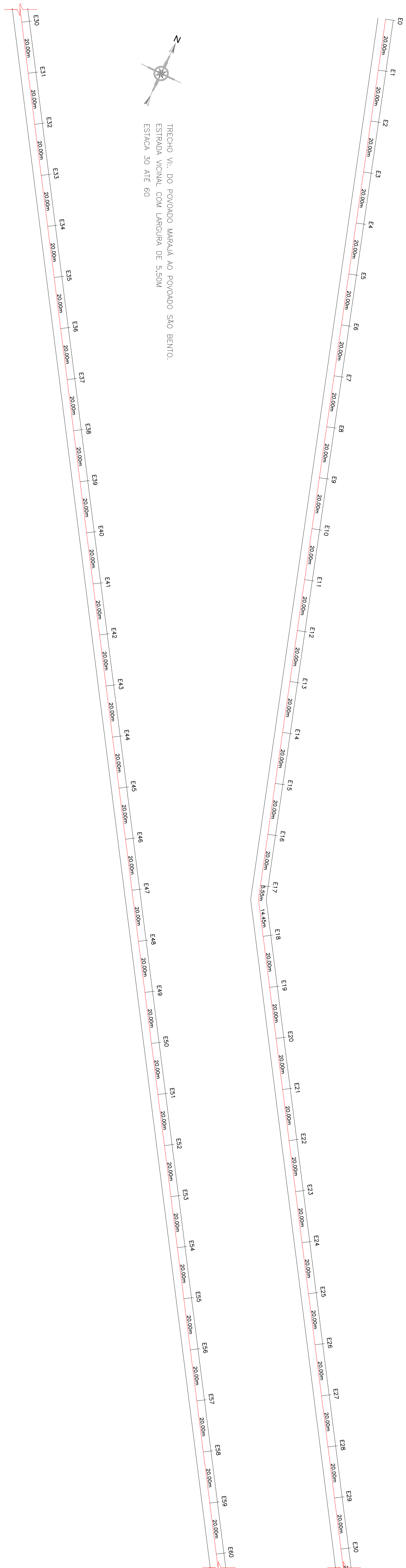








TRECHO VI: DO POVOADO MARAJÁ AO POVOADO SÃO BENITO.  
ESTRADA VICINAL COM LARGURA DE 5,50M  
ESTAÇÃO 0 ATE 30



177,89	177,62	20	1
178,52	178,24	40	2
179,11	178,86	60	3
179,74	179,48	80	4
180,35	180,10	100	5
181,01	180,72	120	6
181,61	181,34	140	7
182,25	181,96	160	8
182,86	182,58	180	9
183,50	183,20	200	10
184,11	183,82	220	11
184,70	184,44	240	12
185,32	185,06	260	13
185,94	185,68	280	14
186,60	186,30	300	15
187,18	186,92	320	16
187,83	187,54	340	17
188,42	188,16	360	18
189,04	188,78	380	19
189,65	189,40	400	20
190,28	190,02	420	21
190,91	190,64	440	22
191,56	191,26	460	23
192,16	191,88	480	24
192,77	192,50	500	25
193,40	193,12	520	26
194,04	193,74	540	27
194,61	194,36	560	28
195,28	194,98	580	29
195,87	195,60	600	30
196,51	196,22	620	31
197,14	196,84	640	32
197,75	197,46	660	33
198,35	198,08	680	34
198,99	198,70	700	35
199,59	199,32	720	36
200,24	199,94	740	37
200,83	200,56	760	38
201,45	201,18	780	39
202,05	201,80	800	40
202,71	202,42	820	41
203,34	203,04	840	42
203,94	203,66	860	43
204,57	204,28	880	44
205,18	204,90	900	45
205,77	205,52	920	46
206,43	206,14	940	47
207,06	206,76	960	48
207,68	207,38	980	49
208,30	208,00	1000	50
208,88	208,62	1020	51
209,54	209,24	1040	52
210,13	209,86	1060	53
210,74	210,48	1080	54
211,39	211,10	1100	55
212,01	211,72	1120	56
212,60	212,34	1140	57
213,25	212,96	1160	58
213,83	213,58	1180	59
214,49	214,20	1200	60

ESTACAMENTO

PROJETISTA: PREFEITURA MUNICIPAL DE TUNTUM/MA	
PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA	
TÍTULO: ESTACAMENTO	DATA: JAN/2024
ESCALA:	FOLHA: 53/71





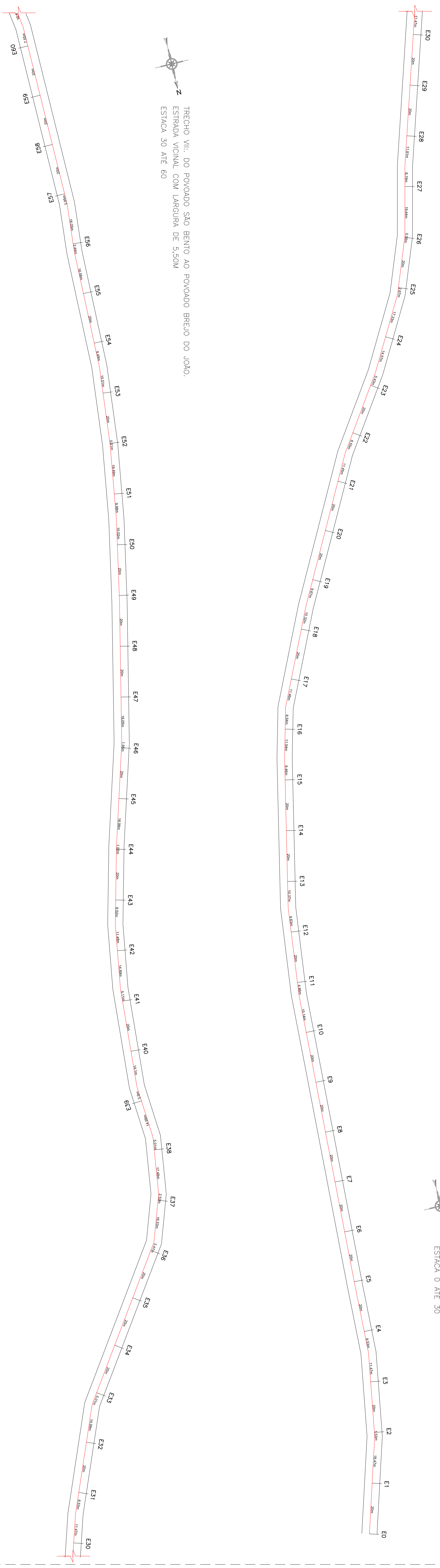




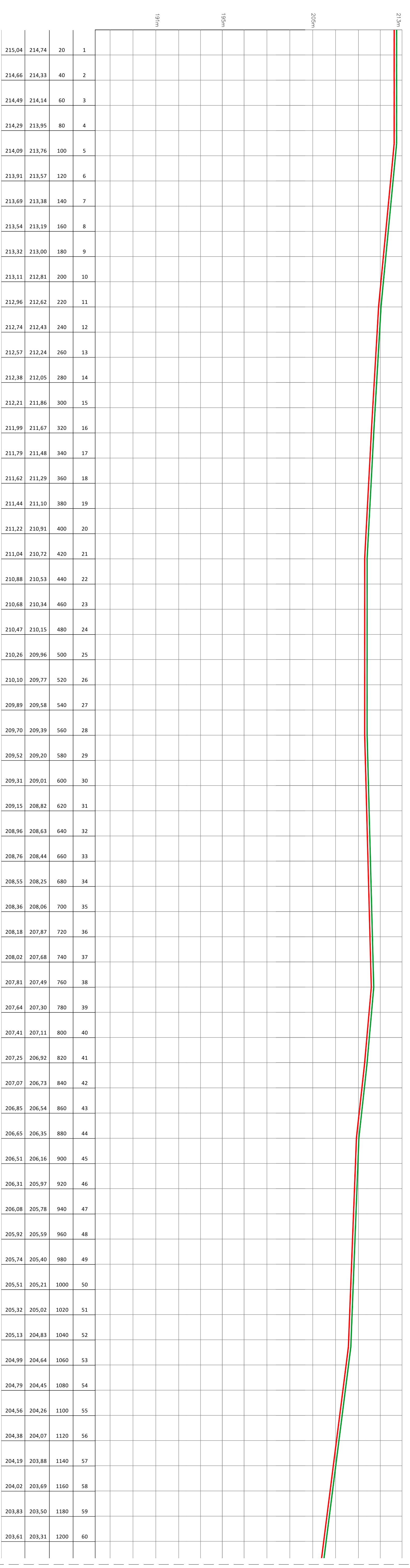




TRECHO VIII: DO POVOADO SÃO BENTO AO POVOADO BREJO DO JOÃO.  
ESTRADA VICINAL COM LARGURA DE 5,50M  
ESTAÇÃO 0 ATÉ 30



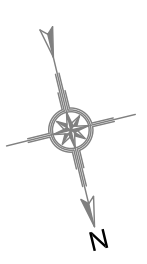
TRECHO VIII: DO POVOADO SÃO BENTO AO POVOADO BREJO DO JOÃO.  
ESTRADA VICINAL COM LARGURA DE 5,50M  
ESTAÇÃO 30 ATÉ 60



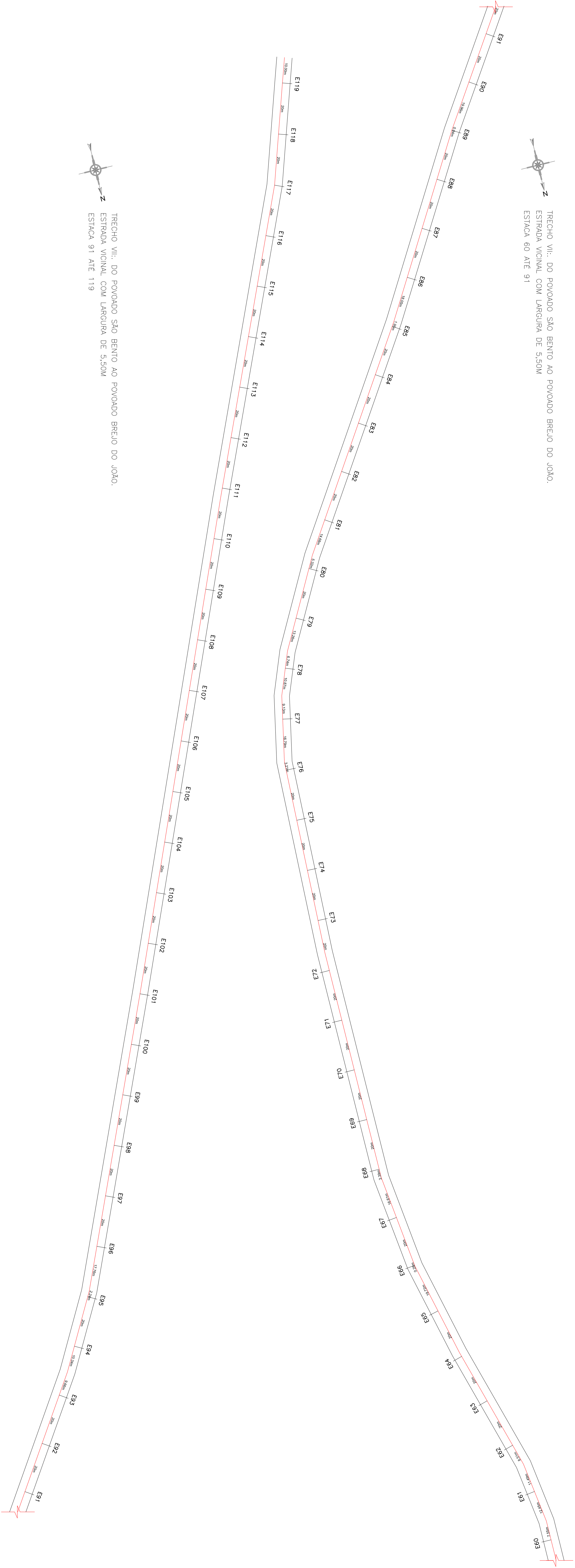
215,04	214,74	20	1
214,66	214,33	40	2
214,49	214,14	60	3
214,29	213,95	80	4
214,09	213,76	100	5
213,91	213,57	120	6
213,69	213,38	140	7
213,54	213,19	160	8
213,32	213,00	180	9
213,11	212,81	200	10
212,96	212,62	220	11
212,74	212,43	240	12
212,57	212,24	260	13
212,38	212,05	280	14
212,21	211,86	300	15
211,99	211,67	320	16
211,79	211,48	340	17
211,62	211,29	360	18
211,44	211,10	380	19
211,22	210,91	400	20
211,04	210,72	420	21
210,88	210,53	440	22
210,68	210,34	460	23
210,47	210,15	480	24
210,26	209,96	500	25
210,10	209,77	520	26
209,89	209,58	540	27
209,70	209,39	560	28
209,52	209,20	580	29
209,31	209,01	600	30
209,15	208,82	620	31
208,96	208,63	640	32
208,76	208,44	660	33
208,55	208,25	680	34
208,36	208,06	700	35
208,18	207,87	720	36
208,02	207,68	740	37
207,81	207,49	760	38
207,64	207,30	780	39
207,41	207,11	800	40
207,25	206,92	820	41
207,07	206,73	840	42
206,85	206,54	860	43
206,65	206,35	880	44
206,51	206,16	900	45
206,31	205,97	920	46
206,08	205,78	940	47
205,92	205,59	960	48
205,74	205,40	980	49
205,51	205,21	1000	50
205,32	205,02	1020	51
205,13	204,83	1040	52
204,99	204,64	1060	53
204,79	204,45	1080	54
204,56	204,26	1100	55
204,38	204,07	1120	56
204,19	203,88	1140	57
204,02	203,69	1160	58
203,83	203,50	1180	59
203,61	203,31	1200	60

ESTAJAMENTO

PROMETARDO: PREFEITURA MUNICIPAL DE TUNTUM/MA  
PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAS NO MUNICÍPIO DE TUNTUM/MA  
TÍTULO: ESTAJAMENTO  
ESCALA: DATA: JAN/2024  
FOLHA: 59/71



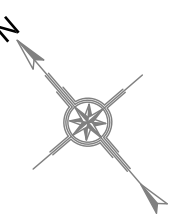
TRECHO VII: DO POVOADO SÃO BENTO AO POVOADO BREJO DO JOÃO.  
ESTRADA VICINAL COM LARGURA DE 5,50M  
ESTAÇA 60 ATÉ 91



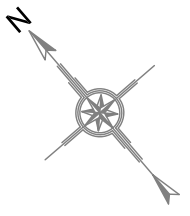
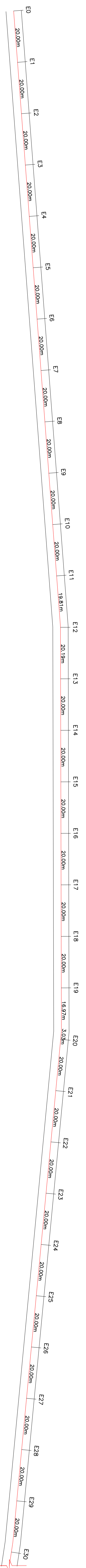
203,61	203,31	1200	60
203,44	203,12	1220	61
203,26	202,93	1240	62
203,05	202,74	1260	63
202,88	202,55	1280	64
202,71	202,36	1300	65
202,49	202,17	1320	66
202,30	201,98	1340	67
202,11	201,79	1360	68
201,91	201,60	1380	69
201,75	201,41	1400	70
201,57	201,22	1420	71
201,34	201,03	1440	72
201,15	200,84	1460	73
200,95	200,65	1480	74
200,81	200,46	1500	75
200,60	200,27	1520	76
200,40	200,08	1540	77
200,23	199,89	1560	78
200,00	199,70	1580	79
199,83	199,51	1600	80
199,63	199,32	1620	81
199,48	199,13	1640	82
199,28	198,94	1660	83
199,10	198,75	1680	84
198,91	198,56	1700	85
198,68	198,37	1720	86
198,53	198,18	1740	87
198,29	197,99	1760	88
198,10	197,80	1780	89
197,93	197,61	1800	90
197,74	197,42	1820	91
197,58	197,23	1840	92
197,39	197,04	1860	93
197,18	196,85	1880	94
197,01	196,66	1900	95
196,79	196,47	1920	96
196,63	196,28	1940	97
196,43	196,09	1960	98
196,22	195,90	1980	99
196,05	195,71	2000	100
195,83	195,52	2020	101
195,67	195,33	2040	102
195,47	195,14	2060	103
195,29	194,95	2080	104
195,11	194,76	2100	105
194,92	194,57	2120	106
194,73	194,38	2140	107
194,53	194,19	2160	108
194,30	194,00	2180	109
194,11	193,81	2200	110
193,94	193,62	2220	111
193,73	193,43	2240	112
193,55	193,24	2260	113
193,37	193,05	2280	114
193,21	192,86	2300	115
193,00	192,67	2320	116
192,82	192,48	2340	117
192,63	192,29	2360	118
192,40	192,10	2380	119
191,80	191,54	2390	119+10

ESTAQUEAMENTO

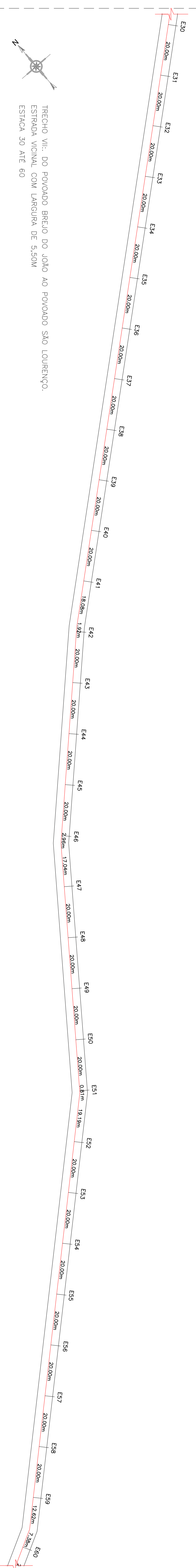
PROJETISTA: PREFEITURA MUNICIPAL DE TUNTUM/MA  
PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA  
TÍTULO: ESTAQUEAMENTO  
ESCALA:  
DATA: JAN/2024  
FOLHA: 60/71



TRECHO VIII.: DO POVOADO BREJO DO JOÃO AO POVOADO SÃO LOURENÇO.  
ESTRADA VICINAL COM LARGURA DE 5,50M  
ESTAÇA 0 ATÉ 30



TRECHO VII.: DO POVOADO BREJO DO JOÃO AO POVOADO SÃO LOURENÇO.  
ESTRADA VICINAL COM LARGURA DE 5,50M  
ESTAÇA 30 ATÉ 60

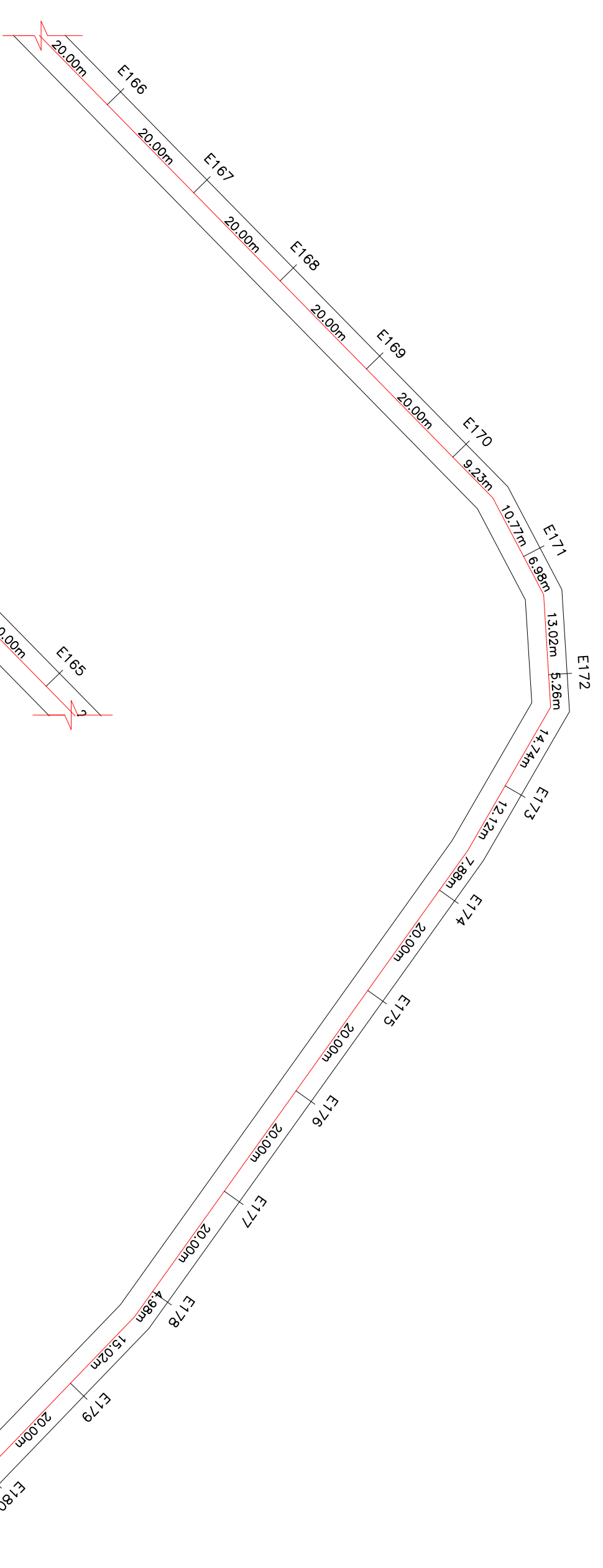
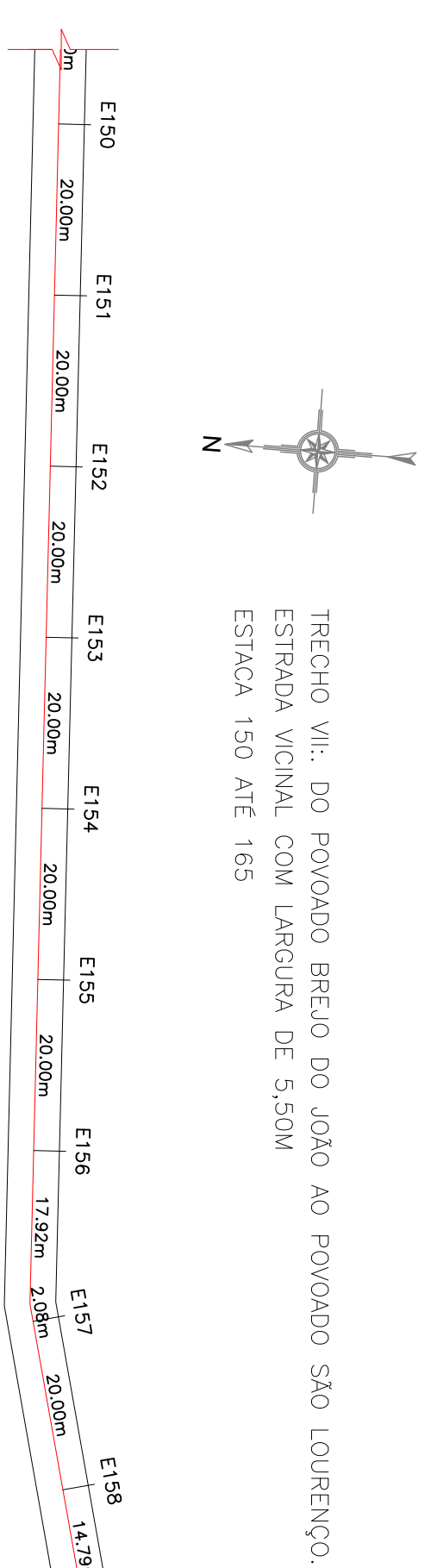
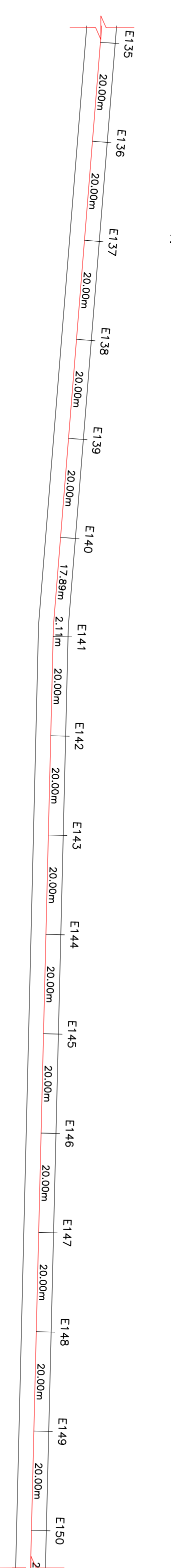
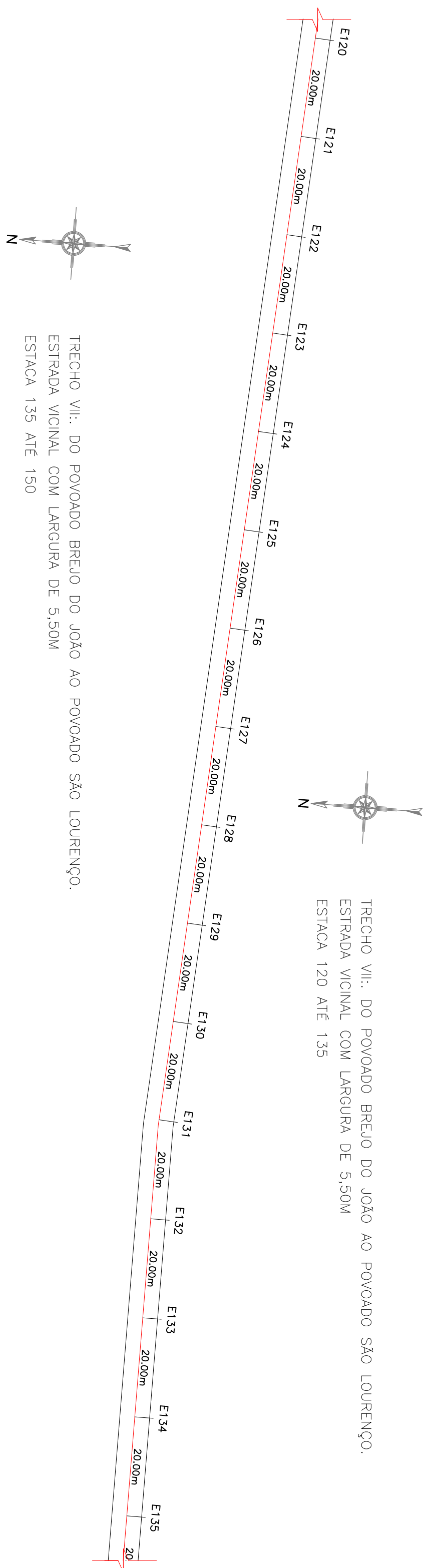


210,18	209,88	20	1
210,09	209,76	40	2
209,97	209,64	60	3
209,82	209,52	80	4
209,68	209,40	100	5
209,62	209,28	120	6
209,50	209,16	140	7
209,34	209,04	160	8
209,18	208,92	180	9
209,07	208,80	200	10
209,00	208,68	220	11
208,90	208,56	240	12
208,70	208,44	260	13
208,59	208,32	280	14
208,49	208,20	300	15
208,42	208,08	320	16
208,27	207,96	340	17
208,17	207,84	360	18
208,05	207,72	380	19
207,93	207,60	400	20
207,80	207,48	420	21
207,66	207,36	440	22
208,14	207,86	460	23
208,70	208,36	480	24
209,15	208,86	500	25
209,62	209,36	520	26
210,16	209,86	540	27
210,64	210,36	560	28
211,18	210,86	580	29
211,66	211,36	600	30
212,20	211,86	620	31
212,70	212,36	640	32
213,20	212,86	660	33
213,64	213,36	680	34
214,14	213,86	700	35
214,65	214,36	720	36
215,15	214,86	740	37
215,62	215,36	760	38
216,16	215,86	780	39
216,69	216,36	800	40
217,14	216,86	820	41
217,69	217,36	840	42
218,12	217,86	860	43
218,64	218,36	880	44
219,17	218,86	900	45
219,65	219,36	920	46
220,14	219,86	940	47
220,67	220,36	960	48
221,17	220,86	980	49
221,68	221,36	1000	50
222,12	221,86	1020	51
222,65	222,36	1040	52
223,15	222,86	1060	53
223,68	223,36	1080	54
224,18	223,86	1100	55
224,70	224,36	1120	56
225,14	224,86	1140	57
225,69	225,36	1160	58
226,18	225,86	1180	59
226,66	226,36	1200	60

## ESTAQUEAMENTO

PROMETOR: PREFEITURA MUNICIPAL DE TUNTUM/MA		
PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA		
TÍTULO: ESTAQUEAMENTO	ESCALA:	DATA: JAN/2024
		PRACA: 61/71

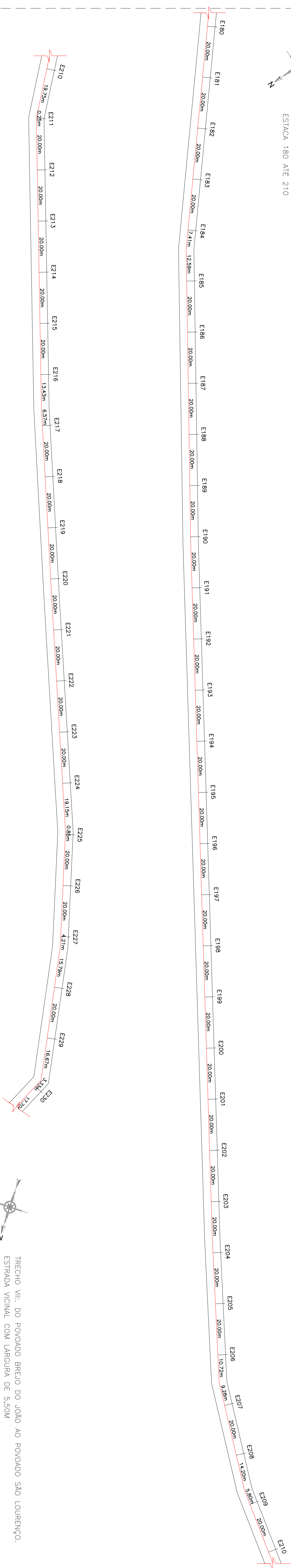
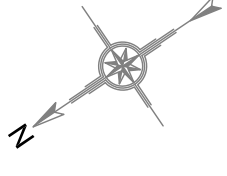




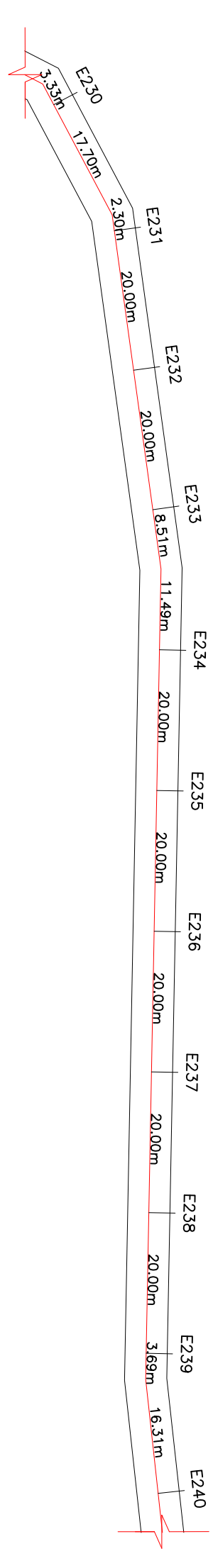
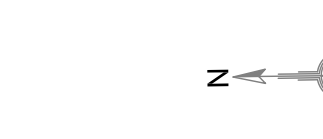
ESTAOUEAMENTO

PROJETAO: PREFEITURA MUNICIPAL DE TUNTUM/MA	
PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAS NO MUNICÍPIO DE TUNTUM/MA	
TITULO: ESTAOUEAMENTO	ESCALA:
DATA: JAN/2024	
FOLHA: 03/71	

TRECHO VII: DO POVOADO BREJO DO JOÃO AO POVOADO SÃO LOURENÇO.  
ESTRADA VICINAL COM LARGURA DE 5,50M  
ESTACA 180 ATÉ 210



TRECHO VIII: DO POVOADO BREJO DO JOÃO AO POVOADO SÃO LOURENÇO.  
ESTRADA VICINAL COM LARGURA DE 5,50M  
ESTACA 210 ATÉ 230

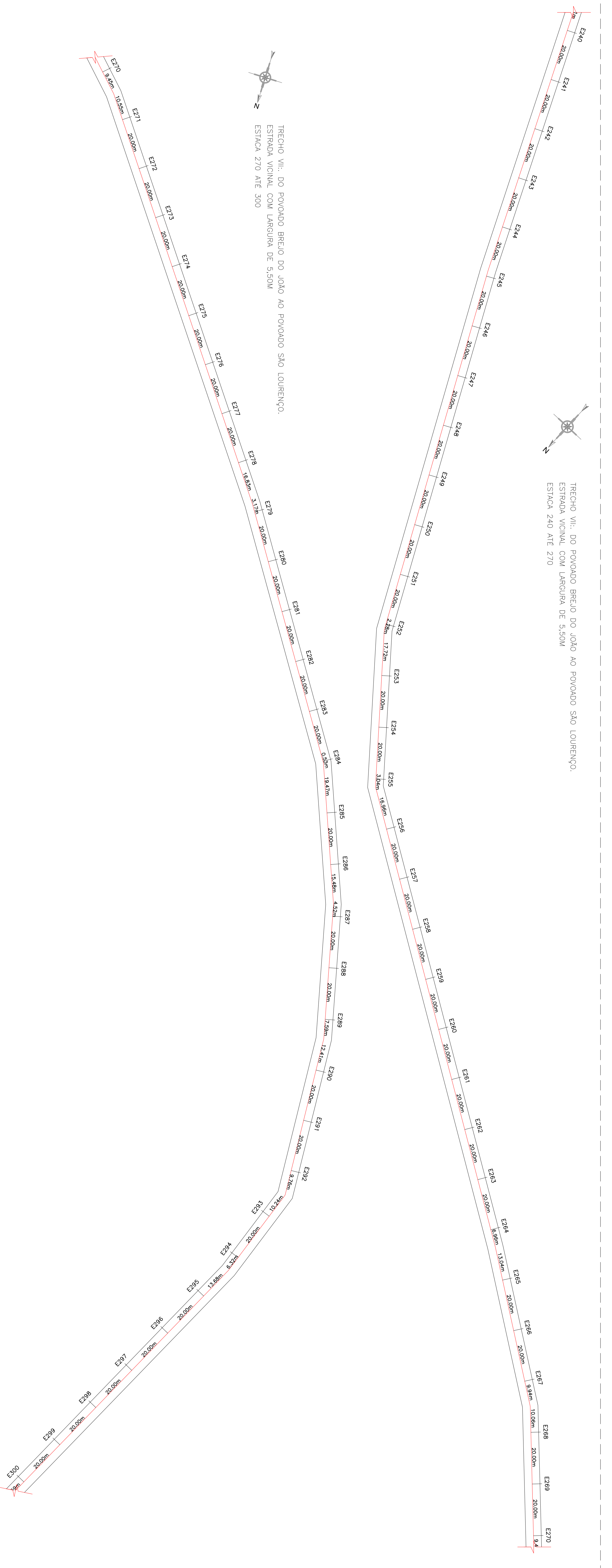


COTAS PROJETO	COTAS TERRENO	DISTANCIA	ESTACA
210,33	210,00	0	180
246,15	245,88	3600	181
245,77	245,50	3620	182
245,46	245,12	3640	183
245,06	244,74	3660	184
244,65	244,36	3680	185
244,30	243,98	3700	186
243,93	243,60	3720	187
243,54	243,22	3740	188
243,12	242,84	3760	189
242,74	242,46	3780	190
242,37	242,08	3800	191
241,98	241,70	3820	192
241,65	241,32	3840	193
241,20	240,94	3860	194
240,87	240,56	3880	195
240,48	240,18	3900	196
240,07	239,80	3920	197
239,72	239,42	3940	198
239,34	239,04	3960	199
238,94	238,66	3980	200
238,60	238,28	4000	201
238,18	237,90	4020	202
237,84	237,52	4040	203
237,45	237,14	4060	204
237,08	236,76	4080	205
236,66	236,38	4100	206
236,26	236,00	4120	207
235,96	235,62	4140	208
235,58	235,24	4160	209
235,99	235,68	4180	210
236,42	236,12	4200	211
236,90	236,56	4220	212
237,34	237,00	4240	213
237,75	237,44	4260	214
238,18	237,88	4280	215
238,65	238,32	4300	216
239,08	238,76	4320	217
239,46	239,20	4340	218
239,95	239,64	4360	219
240,40	240,08	4380	220
240,80	240,52	4400	221
241,26	240,96	4420	222
241,66	241,40	4440	223
242,18	241,84	4460	224
242,61	242,28	4480	225
243,02	242,72	4500	226
243,46	243,16	4520	227
243,86	243,60	4540	228
244,34	244,04	4560	229
244,79	244,48	4580	230
245,19	244,92	4600	231
245,65	245,36	4620	232
244,04	243,76	4640	233
242,46	242,16	4660	234
240,88	240,56	4680	235
239,30	238,96	4700	236
237,63	237,36	4720	237
236,05	235,76	4740	238
234,46	234,16	4760	239
232,90	232,56	4780	240
231,24	230,96	4800	

ESTAQUEAMENTO

PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA  
 TÍTULO: ESTAQUEAMENTO  
 DATA: JAN/2024  
 FOLHA: 64/71





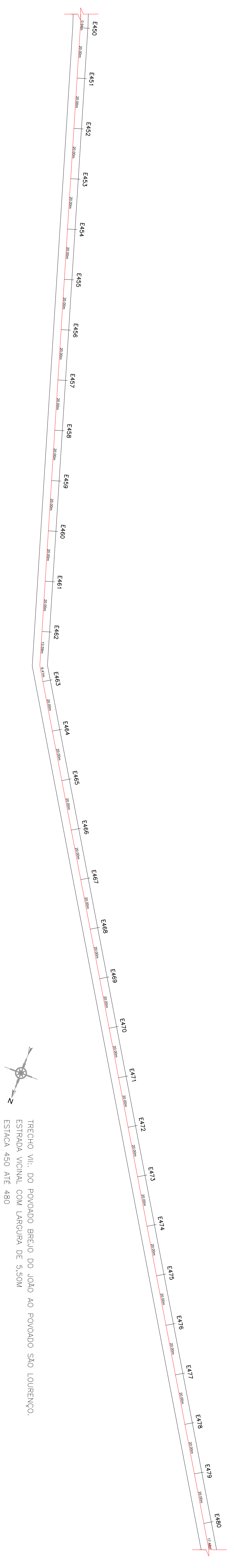
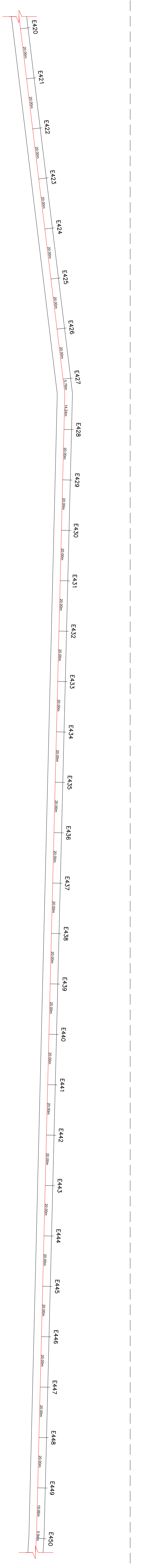
COTAS PROJETO	COTAS TERRENO	DISTÂNCIA	ESTAÇA
210,33	210,00	0	0
231,24	230,96	4800	240
229,62	229,36	4820	241
228,10	227,76	4840	242
226,46	226,16	4860	243
225,83	225,53	4880	244
225,76	225,45	4900	245
225,70	225,36	4920	246
225,56	225,28	4940	247
225,46	225,19	4960	248
225,44	225,11	4980	249
225,36	225,02	5000	250
225,23	224,94	5020	251
225,12	224,85	5040	252
225,10	224,77	5060	253
225,01	224,68	5080	254
224,92	224,60	5100	255
224,78	224,51	5120	256
224,69	224,43	5140	257
224,62	224,34	5160	258
224,54	224,26	5180	259
224,44	224,17	5200	260
224,38	224,09	5220	261
224,26	224,00	5240	262
224,26	223,92	5260	263
224,12	223,83	5280	264
224,09	223,75	5300	265
223,97	223,66	5320	266
223,84	223,58	5340	267
223,75	223,49	5360	268
223,69	223,41	5380	269
223,65	223,32	5400	270
223,55	223,24	5420	271
223,48	223,15	5440	272
223,34	223,07	5460	273
223,28	222,98	5480	274
223,19	222,90	5500	275
223,12	222,81	5520	276
223,01	222,73	5540	277
222,98	222,64	5560	278
222,90	222,56	5580	279
222,81	222,47	5600	280
222,73	222,39	5620	281
222,59	222,30	5640	282
222,56	222,22	5660	283
222,46	222,13	5680	284
222,35	222,05	5700	285
222,27	221,96	5720	286
222,19	221,88	5740	287
222,09	221,79	5760	288
221,97	221,71	5780	289
221,90	221,62	5800	290
221,86	221,54	5820	291
221,78	221,45	5840	292
221,67	221,37	5860	293
221,54	221,28	5880	294
221,49	221,20	5900	295
221,43	221,11	5920	296
221,37	221,03	5940	297
221,28	220,94	5960	298
221,19	220,86	5980	299
221,08	220,77	6000	300

ESTAJAMENTO

PROJETO:	RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA
TÍTULO:	ESTAJAMENTO
PROJETISTA:	PREFEITURA MUNICIPAL DE TUNTUM/MA
DATA:	JAN/2024
PRACA:	55/71



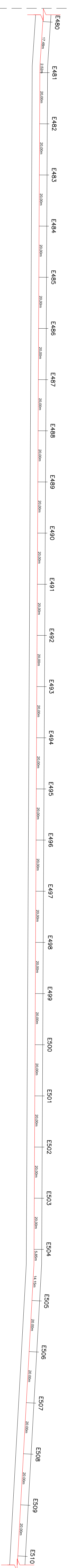
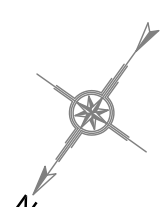




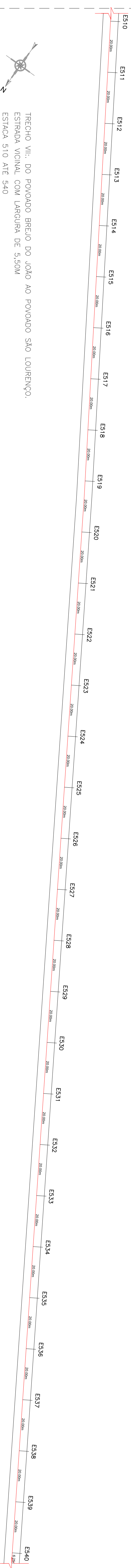
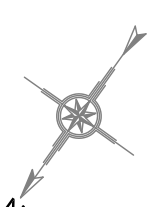
ESTAJAMENTO

PROJETADE: PREFEITURA MUNICIPAL DE TUNTUM/MA	
PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA	
TÍTULO: ESTAJAMENTO	DATA: JAN/2024
ESCALA:	PRANCHETA: 68/71

TRECHO VII: DO POVOADO BREJO DO JOÃO AO POVOADO SÃO LOURENÇO.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 480 ATE 510



TRECHO VII: DO POVOADO BREJO DO JOÃO AO POVOADO SÃO LOURENÇO.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTACA 510 ATE 540

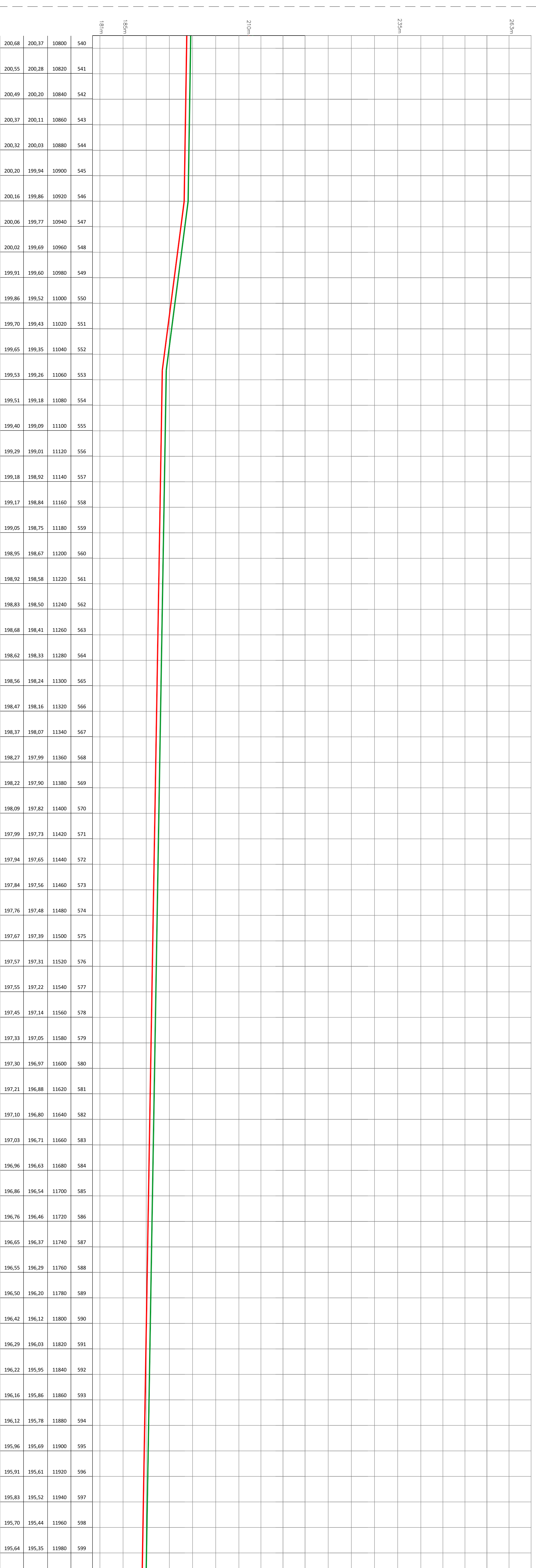
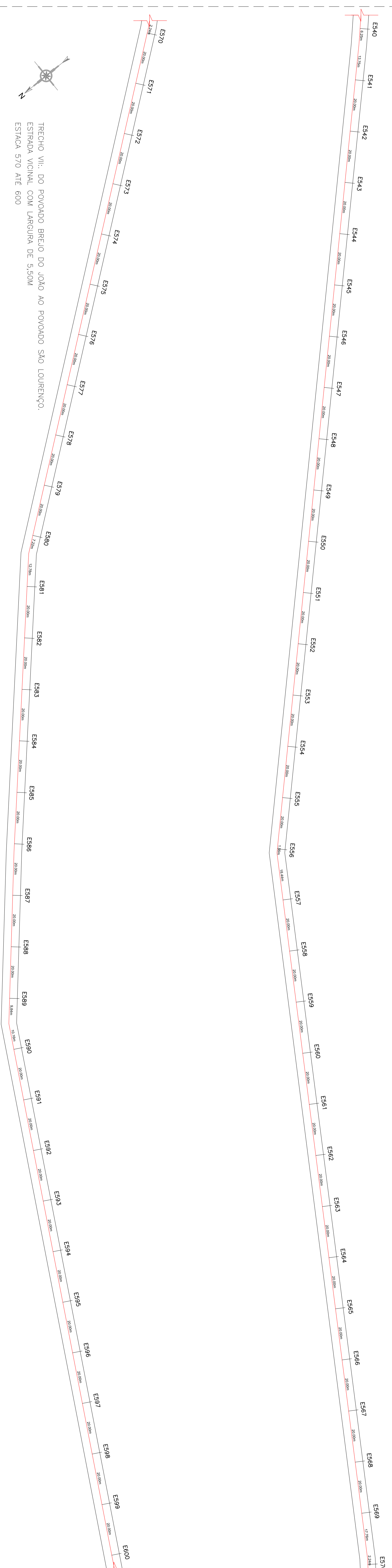
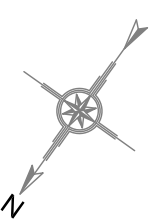


205,73	205,47	9600	480
205,67	205,38	9620	481
205,56	205,30	9640	482
205,55	205,21	9660	483
205,41	205,13	9680	484
205,38	205,04	9700	485
205,29	204,96	9720	486
205,18	204,87	9740	487
205,09	204,79	9760	488
205,01	204,70	9780	489
204,91	204,62	9800	490
204,79	204,53	9820	491
204,77	204,45	9840	492
204,68	204,36	9860	493
204,58	204,28	9880	494
204,51	204,19	9900	495
204,40	204,11	9920	496
204,31	204,02	9940	497
204,23	203,94	9960	498
204,13	203,85	9980	499
204,08	203,77	10000	500
203,94	203,68	10020	501
203,90	203,60	10040	502
203,84	203,51	10060	503
203,75	203,43	10080	504
203,62	203,34	10100	505
203,60	203,26	10120	506
203,48	203,17	10140	507
203,39	203,09	10160	508
203,34	203,00	10180	509
203,23	202,92	10200	510
203,14	202,83	10220	511
203,06	202,75	10240	512
202,94	202,66	10260	513
202,90	202,58	10280	514
202,76	202,49	10300	515
202,75	202,41	10320	516
202,64	202,32	10340	517
202,52	202,24	10360	518
202,49	202,15	10380	519
202,36	202,07	10400	520
202,27	201,98	10420	521
202,17	201,90	10440	522
202,15	201,81	10460	523
202,01	201,73	10480	524
201,97	201,64	10500	525
201,89	201,56	10520	526
201,73	201,47	10540	527
201,72	201,39	10560	528
201,58	201,30	10580	529
201,56	201,22	10600	530
201,43	201,13	10620	531
201,32	201,05	10640	532
201,26	200,96	10660	533
201,22	200,88	10680	534
201,05	200,79	10700	535
201,01	200,71	10720	536
200,89	200,62	10740	537
200,85	200,54	10760	538
200,73	200,45	10780	539
200,68	200,37	10800	540

ESTACQUEAMENTO

PROJETISTA: PREFEITURA MUNICIPAL DE TUNTUM/MA		FOLHA: 69/71	
PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA		DATA: 01/2024	
TÍTULO: ESTACQUEAMENTO	ESCALA:	DATA:	JAN/2024

TRECHO VII: DO POVOADO BREJO DO JOÃO AO POVOADO SÃO LOURENÇO.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTAÇÃO 540 ATÉ 570

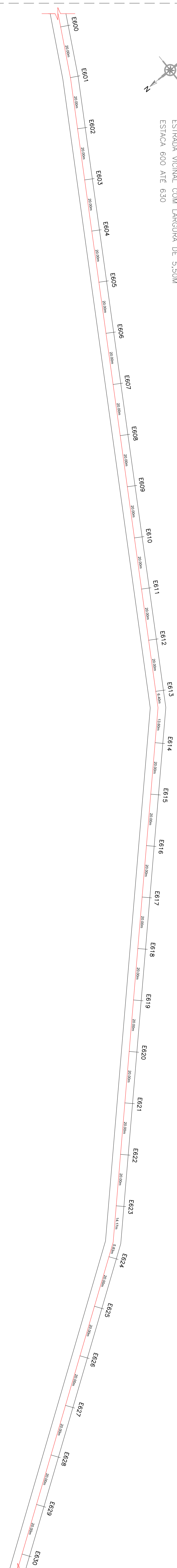
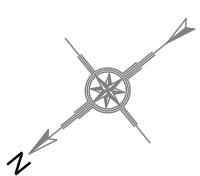


200.68	200.37	10800	540
200.55	200.28	10820	541
200.49	200.20	10840	542
200.37	200.11	10860	543
200.32	200.03	10880	544
200.20	199.94	10900	545
200.16	199.86	10920	546
200.06	199.77	10940	547
200.02	199.69	10960	548
199.91	199.60	10980	549
199.86	199.52	11000	550
199.70	199.43	11020	551
199.65	199.35	11040	552
199.53	199.26	11060	553
199.51	199.18	11080	554
199.40	199.09	11100	555
199.29	199.01	11120	556
199.18	198.92	11140	557
199.17	198.84	11160	558
199.05	198.75	11180	559
198.95	198.67	11200	560
198.92	198.58	11220	561
198.83	198.50	11240	562
198.68	198.41	11260	563
198.62	198.33	11280	564
198.56	198.24	11300	565
198.47	198.16	11320	566
198.37	198.07	11340	567
198.27	197.99	11360	568
198.22	197.90	11380	569
198.09	197.82	11400	570
197.99	197.73	11420	571
197.94	197.65	11440	572
197.84	197.56	11460	573
197.76	197.48	11480	574
197.67	197.39	11500	575
197.57	197.31	11520	576
197.55	197.22	11540	577
197.45	197.14	11560	578
197.33	197.05	11580	579
197.30	196.97	11600	580
197.21	196.88	11620	581
197.10	196.80	11640	582
197.03	196.71	11660	583
196.96	196.63	11680	584
196.86	196.54	11700	585
196.76	196.46	11720	586
196.65	196.37	11740	587
196.55	196.29	11760	588
196.50	196.20	11780	589
196.42	196.12	11800	590
196.29	196.03	11820	591
196.22	195.95	11840	592
196.16	195.86	11860	593
196.12	195.78	11880	594
195.96	195.69	11900	595
195.91	195.61	11920	596
195.83	195.52	11940	597
195.70	195.44	11960	598
195.64	195.35	11980	599
195.59	195.27	12000	600

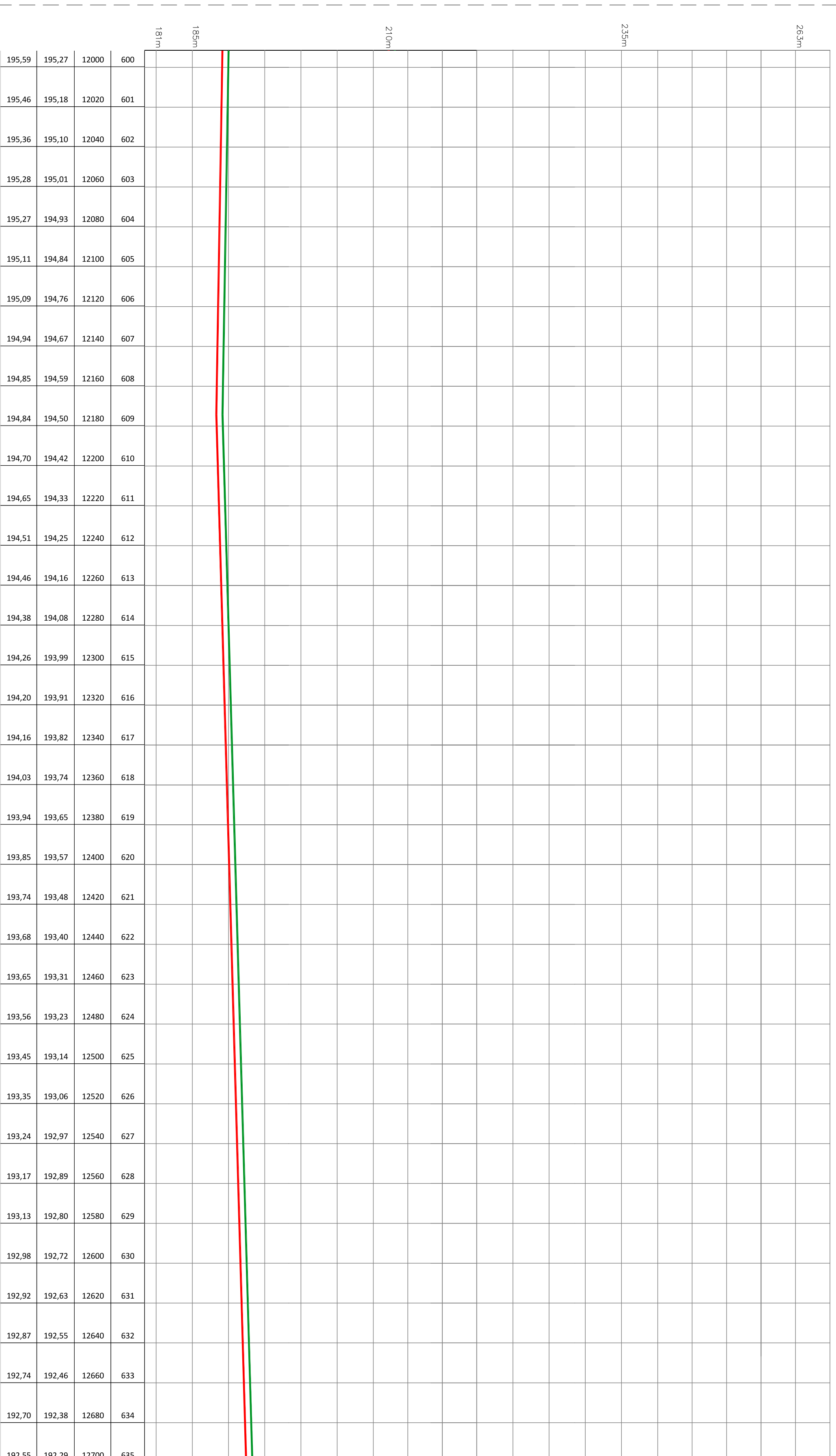
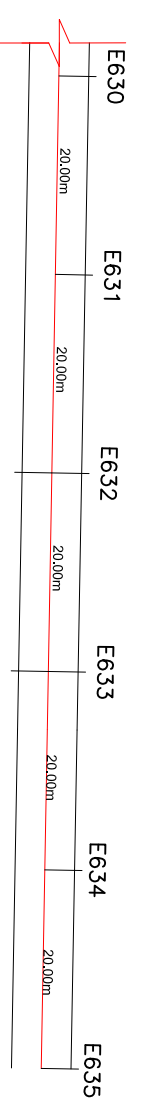
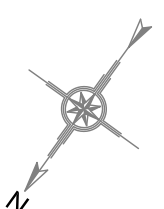
ESTAOUEAMENTO

PROMETARIO: PREFEITURA MUNICIPAL DE TUNTUM/MA	
PROJETO: RECUPERAÇÃO DE ESTRADAS VICINAS NO MUNICÍPIO DE TUNTUM/MA	
TITULO: ESTAOUEAMENTO	ESCALA: 1:100
DATA: JAN/2024	PRACICA: 70/71

TRECHO VIII: DO POVOADO BREJO DO JOÃO AO POVOADO SÃO LOURENÇO.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTAÇA 600 ATÉ 630



TRECHO VII: DO POVOADO BREJO DO JOÃO AO POVOADO SÃO LOURENÇO.  
 ESTRADA VICINAL COM LARGURA DE 5,50M  
 ESTAÇA 630 ATÉ 660



195,59	195,27	12000	600
195,46	195,18	12020	601
195,36	195,10	12040	602
195,28	195,01	12060	603
195,27	194,93	12080	604
195,11	194,84	12100	605
195,09	194,76	12120	606
194,94	194,67	12140	607
194,85	194,59	12160	608
194,84	194,50	12180	609
194,70	194,42	12200	610
194,65	194,33	12220	611
194,51	194,25	12240	612
194,46	194,16	12260	613
194,38	194,08	12280	614
194,26	193,99	12300	615
194,20	193,91	12320	616
194,16	193,82	12340	617
194,03	193,74	12360	618
193,94	193,65	12380	619
193,85	193,57	12400	620
193,74	193,48	12420	621
193,68	193,40	12440	622
193,65	193,31	12460	623
193,56	193,23	12480	624
193,45	193,14	12500	625
193,35	193,06	12520	626
193,24	192,97	12540	627
193,17	192,89	12560	628
193,13	192,80	12580	629
192,98	192,72	12600	630
192,92	192,63	12620	631
192,87	192,55	12640	632
192,74	192,46	12660	633
192,70	192,38	12680	634
192,55	192,29	12700	635

ESTAOUEAMENTO

PROJETADO:	PREFEITURA MUNICIPAL DE TUNTUM/MA
PROJETO:	RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE TUNTUM/MA
TÍTULO:	ESTAOUEAMENTO
ESCALA:	
DATA:	JAN/2024
PRÁTICA:	71/71



**MUNICÍPIO DE TUNTUM**

RUA FREDERICO COELHO, N°411 - CENTRO - 06.138.911/0001-66

TUNTUM/MA - CEP 65.763-000

FONE: (99) 99220-0236



CÓDIGO DE ACESSO

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### **VERIFICAÇÃO DAS ASSINATURAS**

Este documento foi assinado digitalmente/eletronicamente pelos seguintes signatários nas datas indicadas

Para verificar a validade das assinaturas acesse o link abaixo

<https://tuntum.flowdocs.com.br/public/assinaturas/931B1205A3624A39B2DD2BF8C352405D>