



PREFEITURA MUNICIPAL DE CARACARÁI
SECRETARIA MUNICIPAL DE OBRAS E SERVIÇOS PÚBLICOS

Rodovia: **CAI-361 - Antiga Vicinal 03 da Petrolina**
Trecho: **Entronc. BR-714 (Km 0,00) x Vicinal 23 CAI-328 (Km 8,00)**
Serviço: **Recuperação de Estrada Vicinal**
Extensão: **8,00 Km**
Município: **Caracarái**
Data: **22/06/2026**
ART: **RR20260180701**

TERRAPLENAGEM - MAPA DE CUBAÇÃO						
DMT de	200 a 400		P=	6,00		Empolamento: 20,00%
Estacas	Area		Semi-Distância (m)	Volume		
	Aterro (m²)	Acum. Aterro (m²)		Aterro (m³)	Acum. Aterro (m³)	Empolado (m³)
0	0,501	0,501				
	-		10,000	46,910	46,910	56,292
1	4,190	4,691				-
	-		10,000	76,510	123,420	148,104
2	3,461	8,152				-
	-		10,000	55,340	178,760	214,512
3	2,073	10,225				-
	-		10,000	24,210	202,970	243,564
4	0,348	10,573				-
	-		10,000	19,280	222,250	266,700
5	1,580	12,153				-
	-	-	10,000	48,790	271,040	325,248
6	3,299	15,452				-
	-	-	10,000	63,110	334,150	400,980
7	3,012	18,464				-
	-	-	10,000	56,320	390,470	468,564
8	2,620	21,084				-
	-	-	10,000	72,450	462,920	555,504
9	4,625	25,709				-
	-	-	10,000	80,540	543,460	652,152
10	3,429	29,138				-
	-	-	10,000	73,870	617,330	740,796
11	3,958	33,096				-
	-	-	10,000	80,430	697,760	837,312
12	4,085	37,181				-
	-	-	10,000	83,160	780,920	937,104
13	4,231	41,412				-
	-	-	10,000	86,210	867,130	1.040,556
14	4,390	45,802				-
	-	-	10,000	89,620	956,750	1.148,100
15	4,572	50,374				-
	-	-	10,000	88,470	1.045,220	1.254,264
16	4,275	54,649				-
	-	-	10,000	97,420	1.142,640	1.371,168
17	5,467	60,116				-
	-	-	10,000	115,750	1.258,390	1.510,068
18	6,108	66,224				-
	-	-	10,000	108,050	1.366,440	1.639,728
19	4,697	70,921				-
	-	-	10,000	73,170	1.439,610	1.727,532
20	2,620	73,541				-



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Estacas	Area		Semi-Distância (m)	Volume		
	Aterro (m²)	Acum. Aterro (m²)		Aterro (m³)	Acum. Aterro (m³)	Empolado (m³)
	-	-	10,000	61,800	1.501,410	1.801,692
21	3,560	77,101				-
	-	-	10,000	92,510	1.593,920	1.912,704
22	5,691	82,792				-
	-	-	10,000	92,550	1.686,470	2.023,764
23	3,564	86,356				-
	-	-	10,000	76,980	1.763,450	2.116,140
24	4,134	90,490				-
	-	-	10,000	94,420	1.857,870	2.229,444
25	5,308	95,798				-
	-	-	10,000	99,020	1.956,890	2.348,268
26	4,594	100,392				-
	-	-	10,000	94,230	2.051,120	2.461,344
27	4,829	105,221				-
	-	-	10,000	99,180	2.150,300	2.580,360
28	5,089	110,310				-
	-	-	10,000	104,530	2.254,830	2.705,796
29	5,364	115,674				-
	-	-	10,000	110,150	2.364,980	2.837,976
30	5,651	121,325				-
	-	-	10,000	76,530	2.441,510	2.929,812
31	2,002	123,327				-
	-	-	10,000	43,420	2.484,930	2.981,916
32	2,340	125,667				-
	-	-	10,000	48,720	2.533,650	3.040,380
33	2,532	128,199				-
	-	-	10,000	79,280	2.612,930	3.135,516
34	5,396	133,595				-
	-	-	10,000	93,700	2.706,630	3.247,956
35	3,974	137,569				-
	-	-	10,000	75,220	2.781,850	3.338,220
36	3,548	141,117				-
	-	-	10,000	63,120	2.844,970	3.413,964
37	2,764	143,881				-
	-	-	10,000	57,760	2.902,730	3.483,276
38	3,012	146,893				-
	-	-	10,000	64,830	2.967,560	3.561,072
39	3,471	150,364				-
	-	-	10,000	72,110	3.039,670	3.647,604
40	3,740	154,104				-
	-	-	10,000	77,710	3.117,380	3.740,856



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Estacas	Area		Semi-Distância (m)	Volume		
	Aterro (m²)	Acum. Aterro (m²)		Aterro (m³)	Acum. Aterro (m³)	Empolado (m³)
41	4,031	158,135				-
	-	-	10,000	79,690	3.197,070	3.836,484
42	3,938	162,073				-
	-	-	10,000	77,910	3.274,980	3.929,976
43	3,853	165,926				-
	-	-	10,000	76,350	3.351,330	4.021,596
44	3,782	169,708				-
	-	-	10,000	75,100	3.426,430	4.111,716
45	3,728	173,436				-
	-	-	10,000	74,150	3.500,580	4.200,696
46	3,687	177,123				-
	-	-	10,000	73,440	3.574,020	4.288,824
47	3,657	180,780				-
	-	-	10,000	73,040	3.647,060	4.376,472
48	3,647	184,427				-
	-	-	10,000	72,310	3.719,370	4.463,244
49	3,584	188,011				-
	-	-	10,000	71,160	3.790,530	4.548,636
50	3,532	191,543				-
	-	-	10,000	70,250	3.860,780	4.632,936
51	3,493	195,036				-
	-	-	10,000	69,640	3.930,420	4.716,504
52	3,471	198,507				-
	-	-	10,000	69,320	3.999,740	4.799,688
53	3,461	201,968				-
	-	-	10,000	69,220	4.068,960	4.882,752
54	3,461	205,429				-
	-	-	10,000	69,320	4.138,280	4.965,936
55	3,471	208,900				-
	-	-	10,000	69,740	4.208,020	5.049,624
56	3,503	212,403				-
	-	-	10,000	69,840	4.277,860	5.133,432
57	3,481	215,884				-
	-	-	10,000	69,520	4.347,380	5.216,856
58	3,471	219,355				-
	-	-	10,000	69,420	4.416,800	5.300,160
59	3,471	222,826				-
	-	-	10,000	69,640	4.486,440	5.383,728
60	3,493	226,319				-
	-	-	10,000	70,150	4.556,590	5.467,908
61	3,522	229,841				-



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Estacas	Area		Semi-Distância (m)	Volume		
	Aterro (m²)	Acum. Aterro (m²)		Aterro (m³)	Acum. Aterro (m³)	Empolado (m³)
	-	-	10,000	70,860	4.627,450	5.552,940
62	3,564	233,405				-
	-	-	10,000	70,770	4.698,220	5.637,864
63	3,513	236,918				-
	-	-	10,000	69,940	4.768,160	5.721,792
64	3,481	240,399				-
	-	-	10,000	69,420	4.837,580	5.805,096
65	3,461	243,860				-
	-	-	10,000	69,120	4.906,700	5.888,040
66	3,451	247,311				-
	-	-	10,000	69,120	4.975,820	5.970,984
67	3,461	250,772				-
	-	-	10,000	69,420	5.045,240	6.054,288
68	3,481	254,253				-
	-	-	10,000	69,940	5.115,180	6.138,216
69	3,513	257,766				-
	-	-	10,000	70,670	5.185,850	6.223,020
70	3,554	261,320				-
	-	-	10,000	71,080	5.256,930	6.308,316
71	3,554	264,874				-
	-	-	10,000	71,180	5.328,110	6.393,732
72	3,564	268,438				-
	-	-	10,000	71,480	5.399,590	6.479,508
73	3,584	272,022				-
	-	-	10,000	71,990	5.471,580	6.565,896
74	3,615	275,637				-
	-	-	10,000	72,620	5.544,200	6.653,040
75	3,647	279,284				-
	-	-	10,000	72,820	5.617,020	6.740,424
76	3,635	282,919				-
	-	-	10,000	73,440	5.690,460	6.828,552
77	3,709	286,628				-
	-	-	10,000	74,490	5.764,950	6.917,940
78	3,740	290,368				-
	-	-	10,000	74,900	5.839,850	7.007,820
79	3,750	294,118				-
	-	-	10,000	74,780	5.914,630	7.097,556
80	3,728	297,846				-
	-	-	10,000	74,050	5.988,680	7.186,416
81	3,677	301,523				-
	-	-	10,000	72,730	6.061,410	7.273,692



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	Aterro (m²)	Acum. Aterro (m²)		Aterro (m³)	Acum. Aterro (m³)	Empolado (m³)
82	3,596	305,119				-
	-	-	10,000	72,830	6.134,240	7.361,088
83	3,687	308,806				-
	-	-	10,000	74,270	6.208,510	7.450,212
84	3,740	312,546				-
	-	-	10,000	75,220	6.283,730	7.540,476
85	3,782	316,328				-
	-	-	10,000	75,640	6.359,370	7.631,244
86	3,782	320,110				-
	-	-	10,000	75,320	6.434,690	7.721,628
87	3,750	323,860				-
	-	-	10,000	74,370	6.509,060	7.810,872
88	3,687	327,547				-
	-	-	10,000	72,830	6.581,890	7.898,268
89	3,596	331,143				-
	-	-	10,000	73,780	6.655,670	7.986,804
90	3,782	334,925				-
	-	-	10,000	77,300	6.732,970	8.079,564
91	3,948	338,873				-
	-	-	10,000	80,210	6.813,180	8.175,816
92	4,073	342,946				-
	-	-	10,000	82,510	6.895,690	8.274,828
93	4,178	347,124				-
	-	-	10,000	84,190	6.979,880	8.375,856
94	4,241	351,365				-
	-	-	10,000	85,260	7.065,140	8.478,168
95	4,285	355,650				-
	-	-	10,000	85,700	7.150,840	8.581,008
96	4,285	359,935				-
	-	-	10,000	84,480	7.235,320	8.682,384
97	4,263	364,198				-
	-	-	10,000	84,630	7.319,950	8.783,940
98	4,200	368,398				-
	-	-	10,000	83,160	7.403,110	8.883,732
99	4,116	372,514				-
	-	-	10,000	81,160	7.484,270	8.981,124
100	4,000	376,514				-
	-	-	10,000	73,530	7.557,800	9.069,360
101	3,853	380,367				-
	-	-	10,000	70,300	7.628,100	9.153,720
102	3,677	384,044				-



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Estacas	Area		Semi-Distância (m)	Volume		
	Aterro (m²)	Acum. Aterro (m²)		Aterro (m³)	Acum. Aterro (m³)	Empolado (m³)
	-	-	10,000	73,080	7.701,180	9.241,416
103	4,031	388,075				-
	-	-	10,000	79,790	7.780,970	9.337,164
104	4,348	392,423				-
	-	-	10,000	86,050	7.867,020	9.440,424
105	4,657	397,080				-
	-	-	10,000	91,830	7.958,850	9.550,620
106	4,926	402,006				-
	-	-	10,000	90,560	8.049,410	9.659,292
107	5,130	407,136				-
	-	-	10,000	110,590	8.160,000	9.792,000
108	7,429	414,565				-
	-	-	10,000	109,060	8.269,060	9.922,872
109	5,477	420,042				-
	-	-	10,000	92,070	8.361,130	10.033,356
110	4,730	424,772				-
	-	-	10,000	95,830	8.456,960	10.148,352
111	4,853	429,625				-
	-	-	10,000	89,930	8.546,890	10.256,268
112	4,140	433,765				-
	-	-	10,000	84,030	8.630,920	10.357,104
113	4,263	438,028				-
	-	-	10,000	86,430	8.717,350	10.460,820
114	4,380	442,408				-
	-	-	10,000	88,550	8.805,900	10.567,080
115	4,475	446,883				-
	-	-	10,000	90,150	8.896,050	10.675,260
116	4,540	451,423				-
	-	-	10,000	91,220	8.987,270	10.784,724
117	4,582	456,005				-
	-	-	10,000	91,860	9.079,130	10.894,956
118	4,604	460,609				-
	-	-	10,000	91,980	9.171,110	11.005,332
119	4,594	465,203				-
	-	-	10,000	91,540	9.262,650	11.115,180
120	4,560	469,763				-
	-	-	10,000	90,570	9.353,220	11.223,864
121	4,497	474,260				-
	-	-	10,000	89,080	9.442,300	11.330,760
122	4,411	478,671				-
	-	-	10,000	87,060	9.529,360	11.435,232



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	Aterro (m²)	Acum. Aterro (m²)		Aterro (m³)	Acum. Aterro (m³)	Empolado (m³)
123	4,295	482,966				-
	-	-	10,000	84,530	9.613,890	11.536,668
124	4,158	487,124				-
	-	-	10,000	81,580	9.695,470	11.634,564
125	4,000	491,124				-
	-	-	10,000	78,120	9.773,590	11.728,308
126	3,812	494,936				-
	-	-	10,000	77,700	9.851,290	11.821,548
127	3,958	498,894				-
	-	-	10,000	80,430	9.931,720	11.918,064
128	4,085	502,979				-
	-	-	10,000	82,630	10.014,350	12.017,220
129	4,178	507,157				-
	-	-	10,000	84,190	10.098,540	12.118,248
130	4,241	511,398				-
	-	-	10,000	85,260	10.183,800	12.220,560
131	4,285	515,683				-
	-	-	10,000	85,900	10.269,700	12.323,640
132	4,305	519,988				-
	-	-	10,000	86,100	10.355,800	12.426,960
133	4,305	524,293				-
	-	-	10,000	85,780	10.441,580	12.529,896
134	4,273	528,566				-
	-	-	10,000	84,820	10.526,400	12.631,680
135	4,209	532,775				-
	-	-	10,000	83,350	10.609,750	12.731,700
136	4,126	536,901				-
	-	-	10,000	81,470	10.691,220	12.829,464
137	4,021	540,922				-
	-	-	10,000	79,060	10.770,280	12.924,336
138	3,885	544,807				-
	-	-	10,000	76,130	10.846,410	13.015,692
139	3,728	548,535				-
	-	-	10,000	72,820	10.919,230	13.103,076
140	3,554	552,089				-
	-	-	10,000	77,540	10.996,770	13.196,124
141	4,200	556,289				-
	-	-	10,000	108,530	11.105,300	13.326,360
142	6,653	562,942				-
	-	-	10,000	120,540	11.225,840	13.471,008
143	5,401	568,343				-



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	Aterro (m²)	Acum. Aterro (m²)		Aterro (m³)	Acum. Aterro (m³)	Empolado (m³)
	-	-	10,000	80,680	11.306,520	13.567,824
144	2,667	571,010				-
	-	-	10,000	63,020	11.369,540	13.643,448
145	3,635	574,645				-
	-	-	10,000	66,110	11.435,650	13.722,780
146	2,976	577,621				-
	-	-	10,000	65,360	11.501,010	13.801,212
147	3,560	581,181				-
	-	-	10,000	69,300	11.570,310	13.884,372
148	3,370	584,551				-
	-	-	10,000	78,250	11.648,560	13.978,272
149	4,455	589,006				-
	-	-	10,000	93,670	11.742,230	14.090,676
150	4,912	593,918				-
	-	-	10,000	115,690	11.857,920	14.229,504
151	6,657	600,575				-
	-	-	10,000	137,020	11.994,940	14.393,928
152	7,045	607,620				-
	-	-	10,000	127,390	12.122,330	14.546,796
153	5,694	613,314				-
	-	-	10,000	107,070	12.229,400	14.675,280
154	5,013	618,327				-
	-	-	10,000	99,730	12.329,130	14.794,956
155	4,960	623,287				-
	-	-	10,000	101,910	12.431,040	14.917,248
156	5,231	628,518				-
	-	-	10,000	105,390	12.536,430	15.043,716
157	5,308	633,826				-
	-	-	10,000	107,250	12.643,680	15.172,416
158	5,417	639,243				-
	-	-	10,000	110,010	12.753,690	15.304,428
159	5,584	644,827				-
	-	-	10,000	113,680	12.867,370	15.440,844
160	5,784	650,611				-
	-	-	10,000	98,330	12.965,700	15.558,840
161	4,049	654,660				-
	-	-	10,000	118,340	13.084,040	15.700,848
162	7,785	662,445				-
	-	-	10,000	148,060	13.232,100	15.878,520
163	7,021	669,466				-
	-	-	10,000	148,300	13.380,400	16.056,480



PREFEITURA MUNICIPAL DE CARACARAÍ
SECRETARIA MUNICIPAL DE OBRAS E SERVIÇOS PÚBLICOS

Rodovia: **CAI-361 - Antiga Vicinal 03 da Petrolina**
Trecho: **Entronc. BR-714 (Km 0,00) x Vicinal 23 CAI-328 (Km 8,00)**
Serviço: **Recuperação de Estrada Vicinal**
Extensão: **8,00 Km**
Município: **Caracaraí**
Data: **22/06/2026**
ART: **RR20260180701**

TERRAPLENAGEM - MAPA DE CUBAÇÃO						
DMT de	200 a 400		P=	6,00	Empolamento:	20,00%
Estacas	Area		Semi-Distância (m)	Volume		
	Aterro (m²)	Acum. Aterro (m²)		Aterro (m³)	Acum. Aterro (m³)	Empolado (m³)
164	7,809	677,275				-
	-	-	10,000	128,420	13.508,820	16.210,584
165	5,033	682,308				-
	-	-	10,000	547,050	14.055,870	16.867,044
166	49,672	731,980				-
	-	-	10,000	524,200	14.580,070	17.496,084
167	2,748	734,728				-
	-	-	10,000	62,900	14.642,970	17.571,564
168	3,542	738,270				-
	-	-	10,000	68,130	14.711,100	17.653,320
169	3,271	741,541				-
	-	-	10,000	53,440	14.764,540	17.717,448
170	2,073	743,614				-
	-	-	10,000	41,320	14.805,860	17.767,032
171	2,059	745,673				-
	-	-	10,000	74,660	14.880,520	17.856,624
172	5,407	751,080				-
	-	-	10,000	108,200	14.988,720	17.986,464
173	5,413	756,493				-
	-	-	10,000	123,070	15.111,790	18.134,148
174	6,894	763,387				-
	-	-	10,000	125,330	15.237,120	18.284,544
175	5,639	769,026				-
	-	-	10,000	111,240	15.348,360	18.418,032
176	5,485	774,511				-
	-	-	10,000	113,700	15.462,060	18.554,472
177	5,885	780,396				-
	-	-	10,000	122,070	15.584,130	18.700,956
178	6,322	786,718				-
	-	-	10,000	131,470	15.715,600	18.858,720
179	6,825	793,543				-
	-	-	10,000	141,970	15.857,570	19.029,084
180	7,372	800,915				-
	-	-	10,000	119,160	15.976,730	19.172,076
181	4,544	805,459				-
	-	-	10,000	74,350	16.051,080	19.261,296
182	2,891	808,350				-
	-	-	10,000	75,200	16.126,280	19.351,536
183	4,629	812,979				-
	-	-	10,000	87,260	16.213,540	19.456,248
184	4,097	817,076				-



PREFEITURA MUNICIPAL DE CARACARAÍ
SECRETARIA MUNICIPAL DE OBRAS E SERVIÇOS PÚBLICOS

Rodovia: **CAI-361 - Antiga Vicinal 03 da Petrolina**
Trecho: **Entronc. BR-714 (Km 0,00) x Vicinal 23 CAI-328 (Km 8,00)**
Serviço: **Recuperação de Estrada Vicinal**
Extensão: **8,00 Km**
Município: **Caracaraí**
Data: **22/06/2026**
ART: **RR20260180701**

TERRAPLENAGEM - MAPA DE CUBAÇÃO						
DMT de	200 a 400		P=	6,00		Empolamento: 20,00%
Estacas	Area		Semi-Distância (m)	Volume		
	Aterro (m²)	Acum. Aterro (m²)		Aterro (m³)	Acum. Aterro (m³)	Empolado (m³)
	-	-	10,000	91,000	16.304,540	19.565,448
185	5,003	822,079				-
	-	-	10,000	95,970	16.400,510	19.680,612
186	4,594	826,673				-
	-	-	10,000	104,430	16.504,940	19.805,928
187	5,849	832,522				-
	-	-	10,000	103,670	16.608,610	19.930,332
188	4,518	837,040				-
	-	-	10,000	111,950	16.720,560	20.064,672
189	6,677	843,717				-
	-	-	10,000	132,050	16.852,610	20.223,132
190	6,528	850,245				-
	-	-	10,000	138,640	16.991,250	20.389,500
191	7,336	857,581				-
	-	-	10,000	118,070	17.109,320	20.531,184
192	4,471	862,052				-
	-	-	10,000	90,980	17.200,300	20.640,360
193	4,627	866,679				-
	-	-	10,000	94,250	17.294,550	20.753,460
194	4,798	871,477				-
	-	-	10,000	104,750	17.399,300	20.879,160
195	5,677	877,154				-
	-	-	10,000	109,810	17.509,110	21.010,932
196	5,304	882,458				-
	-	-	10,000	99,710	17.608,820	21.130,584
197	4,667	887,125				-
	-	-	10,000	91,360	17.700,180	21.240,216
198	4,469	891,594				-
	-	-	10,000	94,070	17.794,250	21.353,100
199	4,938	896,532				-
	-	-	10,000	89,280	17.883,530	21.460,236
200	3,990	900,522				-
	-	-	10,000	75,860	17.959,390	21.551,268
201	3,596	904,118				-
	-	-	10,000	73,140	18.032,530	21.639,036
202	3,718	907,836				-
	-	-	10,000	75,930	18.108,460	21.730,152
203	3,875	911,711				-
	-	-	10,000	79,160	18.187,620	21.825,144
204	4,041	915,752				-
	-	-	10,000	84,310	18.271,930	21.926,316



PREFEITURA MUNICIPAL DE CARACARAÍ
SECRETARIA MUNICIPAL DE OBRAS E SERVIÇOS PÚBLICOS

Rodovia: **CAI-361 - Antiga Vicinal 03 da Petrolina**
Trecho: **Entronc. BR-714 (Km 0,00) x Vicinal 23 CAI-328 (Km 8,00)**
Serviço: **Recuperação de Estrada Vicinal**
Extensão: **8,00 Km**
Município: **Caracaraí**
Data: **22/06/2026**
ART: **RR20260180701**

TERRAPLENAGEM - MAPA DE CUBAÇÃO						
DMT de	200 a 400		P=	6,00	Empolamento:	20,00%
Estacas	Area		Semi-Distância (m)	Volume		
	Aterro (m²)	Acum. Aterro (m²)		Aterro (m³)	Acum. Aterro (m³)	Empolado (m³)
205	4,390	920,142				-
	-	-	10,000	91,660	18.363,590	22.036,308
206	4,776	924,918				-
	-	-	10,000	99,520	18.463,110	22.155,732
207	5,176	930,094				-
	-	-	10,000	106,740	18.569,850	22.283,820
208	5,498	935,592				-
	-	-	10,000	118,280	18.688,130	22.425,756
209	6,330	941,922				-
	-	-	10,000	131,150	18.819,280	22.583,136
210	6,785	948,707				-
	-	-	10,000	114,480	18.933,760	22.720,512
211	4,663	953,370				-
	-	-	10,000	104,130	19.037,890	22.845,468
212	5,750	959,120				-
	-	-	10,000	102,370	19.140,260	22.968,312
213	4,487	963,607				-
	-	-	10,000	82,990	19.223,250	23.067,900
214	3,812	967,419				-
	-	-	10,000	74,990	19.298,240	23.157,888
215	3,687	971,106				-
	-	-	10,000	75,100	19.373,340	23.248,008
216	3,823	974,929				-
	-	-	10,000	75,410	19.448,750	23.338,500
217	3,718	978,647				-
	-	-	10,000	73,530	19.522,280	23.426,736
218	3,635	982,282				-
	-	-	10,000	72,090	19.594,370	23.513,244
219	3,574	985,856				-
	-	-	10,000	71,180	19.665,550	23.598,660
220	3,544	989,400				-
	-	-	10,000	70,760	19.736,310	23.683,572
221	3,532	992,932				-
	-	-	10,000	70,760	19.807,070	23.768,484
222	3,544	996,476				-
	-	-	10,000	71,180	19.878,250	23.853,900
223	3,574	1.000,050				-
	-	-	10,000	71,990	19.950,240	23.940,288
224	3,625	1.003,675				-
	-	-	10,000	71,890	20.022,130	24.026,556
225	3,564	1.007,239				-



PREFEITURA MUNICIPAL DE CARACARÁI
SECRETARIA MUNICIPAL DE OBRAS E SERVIÇOS PÚBLICOS

Rodovia: **CAI-361 - Antiga Vicinal 03 da Petrolina**
Trecho: **Entronc. BR-714 (Km 0,00) x Vicinal 23 CAI-328 (Km 8,00)**
Serviço: **Recuperação de Estrada Vicinal**
Extensão: **8,00 Km**
Município: **Caracarái**
Data: **22/06/2026**
ART: **RR20260180701**

TERRAPLENAGEM - MAPA DE CUBAÇÃO						
DMT de	200 a 400		P=	6,00		Empolamento: 20,00%
Estacas	Area		Semi-Distância (m)	Volume		
	Aterro (m²)	Acum. Aterro (m²)		Aterro (m³)	Acum. Aterro (m³)	Empolado (m³)
	-	-	10,000	70,860	20.092,990	24.111,588
226	3,522	1.010,761		-	-	-
	-	-	10,000	70,250	20.163,240	24.195,888
227	3,503	1.014,264		-	-	-
	-	-	10,000	70,060	20.233,300	24.279,960
228	3,503	1.017,767		-	-	-
	-	-	10,000	70,350	20.303,650	24.364,380
229	3,532	1.021,299		-	-	-
	-	-	10,000	71,160	20.374,810	24.449,772
230	3,584	1.024,883		-	-	-
	-	-	10,000	72,090	20.446,900	24.536,280
231	3,625	1.028,508		-	-	-
	-	-	10,000	72,500	20.519,400	24.623,280
232	3,625	1.032,133		-	-	-
	-	-	10,000	72,090	20.591,490	24.709,788
233	3,584	1.035,717		-	-	-
	-	-	10,000	73,440	20.664,930	24.797,916
234	3,760	1.039,477		-	-	-
	-	-	10,000	81,710	20.746,640	24.895,968
235	4,411	1.043,888		-	-	-
	-	-	10,000	99,950	20.846,590	25.015,908
236	5,584	1.049,472		-	-	-
	-	-	10,000	129,100	20.975,690	25.170,828
237	7,326	1.056,798		-	-	-
	-	-	10,000	118,900	21.094,590	25.313,508
238	4,564	1.061,362		-	-	-
	-	-	10,000	50,330	21.144,920	25.373,904
239	0,469	1.061,831		-	-	-
	-	-	10,000	21,700	21.166,620	25.399,944
240	1,701	1.063,532		-	-	-
	-	-	10,000	18,830	21.185,450	25.422,540
241	0,182	1.063,714		-	-	-
	-	-	10,000	37,700	21.223,150	25.467,780
242	3,588	1.067,302		-	-	-
	-	-	10,000	90,510	21.313,660	25.576,392
243	5,463	1.072,765		-	-	-
	-	-	10,000	106,840	21.420,500	25.704,600
244	5,221	1.077,986		-	-	-
	-	-	10,000	101,590	21.522,090	25.826,508
245	4,938	1.082,924		-	-	-
	-	-	10,000	95,510	21.617,600	25.941,120



PREFEITURA MUNICIPAL DE CARACARAÍ
SECRETARIA MUNICIPAL DE OBRAS E SERVIÇOS PÚBLICOS

Rodovia: **CAI-361 - Antiga Vicinal 03 da Petrolina**
Trecho: **Entronc. BR-714 (Km 0,00) x Vicinal 23 CAI-328 (Km 8,00)**
Serviço: **Recuperação de Estrada Vicinal**
Extensão: **8,00 Km**
Município: **Caracaraí**
Data: **22/06/2026**
ART: **RR20260180701**

TERRAPLENAGEM - MAPA DE CUBAÇÃO						
DMT de	200 a 400		P=	6,00	Empolamento:	20,00%
Estacas	Area		Semi-Distância (m)	Volume		
	Aterro (m²)	Acum. Aterro (m²)		Aterro (m³)	Acum. Aterro (m³)	Empolado (m³)
246	4,613	1.087,537		-	-	-
	-	-	10,000	88,660	21.706,260	26.047,512
247	4,253	1.091,790		-	-	-
	-	-	10,000	81,060	21.787,320	26.144,784
248	3,853	1.095,643		-	-	-
	-	-	10,000	72,720	21.860,040	26.232,048
249	3,419	1.099,062		-	-	-
	-	-	10,000	69,630	21.929,670	26.315,604
250	3,544	1.102,606		-	-	-
	-	-	10,000	71,690	22.001,360	26.401,632
251	3,625	1.106,231		-	-	-
	-	-	10,000	72,920	22.074,280	26.489,136
252	3,667	1.109,898		-	-	-
	-	-	10,000	73,340	22.147,620	26.577,144
253	3,667	1.113,565		-	-	-
	-	-	10,000	72,920	22.220,540	26.664,648
254	3,625	1.117,190		-	-	-
	-	-	10,000	71,690	22.292,230	26.750,676
255	3,544	1.120,734		-	-	-
	-	-	10,000	79,990	22.372,220	26.846,664
256	4,455	1.125,189		-	-	-
	-	-	10,000	120,500	22.492,720	26.991,264
257	7,595	1.132,784		-	-	-
	-	-	10,000	113,230	22.605,950	27.127,140
258	3,728	1.136,512		-	-	-
	-	-	10,000	74,860	22.680,810	27.216,972
259	3,758	1.140,270		-	-	-
	-	-	10,000	89,020	22.769,830	27.323,796
260	5,144	1.145,414		-	-	-
	-	-	10,000	107,160	22.876,990	27.452,388
261	5,572	1.150,986		-	-	-
	-	-	10,000	115,080	22.992,070	27.590,484
262	5,936	1.156,922		-	-	-
	-	-	10,000	112,230	23.104,300	27.725,160
263	5,287	1.162,209		-	-	-
	-	-	10,000	97,740	23.202,040	27.842,448
264	4,487	1.166,696		-	-	-
	-	-	10,000	81,540	23.283,580	27.940,296
265	3,667	1.170,363		-	-	-
	-	-	10,000	74,170	23.357,750	28.029,300
266	3,750	1.174,113		-	-	-



PREFEITURA MUNICIPAL DE CARACARAÍ
SECRETARIA MUNICIPAL DE OBRAS E SERVIÇOS PÚBLICOS

Rodovia: **CAI-361 - Antiga Vicinal 03 da Petrolina**
Trecho: **Entronc. BR-714 (Km 0,00) x Vicinal 23 CAI-328 (Km 8,00)**
Serviço: **Recuperação de Estrada Vicinal**
Extensão: **8,00 Km**
Município: **Caracaraí**
Data: **22/06/2026**
ART: **RR20260180701**

TERRAPLENAGEM - MAPA DE CUBAÇÃO						
DMT de 200 a 400		P= 6,00		Empolamento: 20,00%		
Estacas	Area		Semi-Distância (m)	Volume		
	Aterro (m²)	Acum. Aterro (m²)		Aterro (m³)	Acum. Aterro (m³)	Empolado (m³)
	-	-	10,000	75,420	23.433,170	28.119,804
267	3,792	1.177,905		-	-	-
	-	-	10,000	75,840	23.509,010	28.210,812
268	3,792	1.181,697		-	-	-
	-	-	10,000	75,420	23.584,430	28.301,316
269	3,750	1.185,447		-	-	-
	-	-	10,000	74,170	23.658,600	28.390,320
270	3,667	1.189,114		-	-	-
	-	-	10,000	72,110	23.730,710	28.476,852
271	3,544	1.192,658		-	-	-
	-	-	10,000	70,880	23.801,590	28.561,908
272	3,544	1.196,202		-	-	-
	-	-	10,000	70,660	23.872,250	28.646,700
273	3,522	1.199,724		-	-	-
	-	-	10,000	70,350	23.942,600	28.731,120
274	3,513	1.203,237		-	-	-
	-	-	10,000	70,260	24.012,860	28.815,432
275	3,513	1.206,750		-	-	-
	-	-	10,000	70,350	24.083,210	28.899,852
276	3,522	1.210,272		-	-	-
	-	-	10,000	70,540	24.153,750	28.984,500
277	3,532	1.213,804		-	-	-
	-	-	10,000	70,860	24.224,610	29.069,532
278	3,554	1.217,358		-	-	-
	-	-	10,000	71,380	24.295,990	29.155,188
279	3,584	1.220,942		-	-	-
	-	-	10,000	75,220	24.371,210	29.245,452
280	3,938	1.224,880		-	-	-
	-	-	10,000	89,080	24.460,290	29.352,348
281	4,970	1.229,850		-	-	-
	-	-	10,000	117,040	24.577,330	29.492,796
282	6,734	1.236,584		-	-	-
	-	-	10,000	128,340	24.705,670	29.646,804
283	6,100	1.242,684		-	-	-
	-	-	10,000	123,510	24.829,180	29.795,016
284	6,251	1.248,935		-	-	-
	-	-	10,000	127,160	24.956,340	29.947,608
285	6,465	1.255,400		-	-	-
	-	-	10,000	132,430	25.088,770	30.106,524
286	6,778	1.262,178		-	-	-
	-	-	10,000	138,700	25.227,470	30.272,964



PREFEITURA MUNICIPAL DE CARACARÁI
SECRETARIA MUNICIPAL DE OBRAS E SERVIÇOS PÚBLICOS

Rodovia: **CAI-361 - Antiga Vicinal 03 da Petrolina**
Trecho: **Entronc. BR-714 (Km 0,00) x Vicinal 23 CAI-328 (Km 8,00)**
Serviço: **Recuperação de Estrada Vicinal**
Extensão: **8,00 Km**
Município: **Caracarái**
Data: **22/06/2026**
ART: **RR20260180701**

TERRAPLENAGEM - MAPA DE CUBAÇÃO						
DMT de	200 a 400		P=	6,00		Empolamento: 20,00%
Estacas	Area		Semi-Distância (m)	Volume		
	Aterro (m²)	Acum. Aterro (m²)		Aterro (m³)	Acum. Aterro (m³)	Empolado (m³)
287	7,092	1.269,270		-	-	-
	-	-	10,000	145,310	25.372,780	30.447,336
288	7,439	1.276,709		-	-	-
	-	-	10,000	165,110	25.537,890	30.645,468
289	9,072	1.285,781		-	-	-
	-	-	10,000	184,310	25.722,200	30.866,640
290	9,359	1.295,140		-	-	-
	-	-	10,000	172,300	25.894,500	31.073,400
291	7,871	1.303,011		-	-	-
	-	-	10,000	143,520	26.038,020	31.245,624
292	6,481	1.309,492		-	-	-
	-	-	10,000	126,010	26.164,030	31.396,836
293	6,120	1.315,612		-	-	-
	-	-	10,000	108,210	26.272,240	31.526,688
294	4,701	1.320,313		-	-	-
	-	-	10,000	92,610	26.364,850	31.637,820
295	4,560	1.324,873		-	-	-
	-	-	10,000	89,810	26.454,660	31.745,592
296	4,421	1.329,294		-	-	-
	-	-	10,000	87,160	26.541,820	31.850,184
297	4,295	1.333,589		-	-	-
	-	-	10,000	84,630	26.626,450	31.951,740
298	4,168	1.337,757		-	-	-
	-	-	10,000	82,310	26.708,760	32.050,512
299	4,063	1.341,820		-	-	-
	-	-	10,000	80,210	26.788,970	32.146,764
300	3,958	1.345,778		-	-	-
	-	-	10,000	78,230	26.867,200	32.240,640
301	3,865	1.349,643		-	-	-
	-	-	10,000	76,350	26.943,550	32.332,260
302	3,770	1.353,413		-	-	-
	-	-	10,000	74,690	27.018,240	32.421,888
303	3,699	1.357,112		-	-	-
	-	-	10,000	73,240	27.091,480	32.509,776
304	3,625	1.360,737		-	-	-
	-	-	10,000	74,370	27.165,850	32.599,020
305	3,812	1.364,549		-	-	-
	-	-	10,000	83,620	27.249,470	32.699,364
306	4,550	1.369,099		-	-	-
	-	-	10,000	104,110	27.353,580	32.824,296
307	5,861	1.374,960		-	-	-



PREFEITURA MUNICIPAL DE CARACARAÍ
SECRETARIA MUNICIPAL DE OBRAS E SERVIÇOS PÚBLICOS

Rodovia: **CAI-361 - Antiga Vicinal 03 da Petrolina**
Trecho: **Entronc. BR-714 (Km 0,00) x Vicinal 23 CAI-328 (Km 8,00)**
Serviço: **Recuperação de Estrada Vicinal**
Extensão: **8,00 Km**
Município: **Caracaraí**
Data: **22/06/2026**
ART: **RR20260180701**

TERRAPLENAGEM - MAPA DE CUBAÇÃO						
DMT de	200 a 400		P=	6,00		Empolamento: 20,00%
Estacas	Area		Semi-Distância (m)	Volume		
	Aterro (m²)	Acum. Aterro (m²)		Aterro (m³)	Acum. Aterro (m³)	Empolado (m³)
	-	-	10,000	108,430	27.462,010	32.954,412
308	4,982	1.379,942		-	-	-
	-	-	10,000	106,290	27.568,300	33.081,960
309	5,647	1.385,589		-	-	-
	-	-	10,000	110,010	27.678,310	33.213,972
310	5,354	1.390,943		-	-	-
	-	-	10,000	116,640	27.794,950	33.353,940
311	6,310	1.397,253		-	-	-
	-	-	10,000	127,010	27.921,960	33.506,352
312	6,391	1.403,644		-	-	-
	-	-	10,000	117,090	28.039,050	33.646,860
313	5,318	1.408,962		-	-	-
	-	-	10,000	95,910	28.134,960	33.761,952
314	4,273	1.413,235		-	-	-
	-	-	10,000	84,630	28.219,590	33.863,508
315	4,190	1.417,425		-	-	-
	-	-	10,000	82,850	28.302,440	33.962,928
316	4,095	1.421,520		-	-	-
	-	-	10,000	80,630	28.383,070	34.059,684
317	3,968	1.425,488		-	-	-
	-	-	10,000	78,110	28.461,180	34.153,416
318	3,843	1.429,331		-	-	-
	-	-	10,000	75,420	28.536,600	34.243,920
319	3,699	1.433,030		-	-	-
	-	-	10,000	72,430	28.609,030	34.330,836
320	3,544	1.436,574		-	-	-
	-	-	10,000	71,180	28.680,210	34.416,252
321	3,574	1.440,148		-	-	-
	-	-	10,000	71,700	28.751,910	34.502,292
322	3,596	1.443,744		-	-	-
	-	-	10,000	71,920	28.823,830	34.588,596
323	3,596	1.447,340		-	-	-
	-	-	10,000	71,800	28.895,630	34.674,756
324	3,584	1.450,924		-	-	-
	-	-	10,000	71,380	28.967,010	34.760,412
325	3,554	1.454,478		-	-	-
	-	-	10,000	79,650	29.046,660	34.855,992
326	4,411	1.458,889		-	-	-
	-	-	10,000	116,540	29.163,200	34.995,840
327	7,243	1.466,132		-	-	-
	-	-	10,000	118,940	29.282,140	35.138,568



PREFEITURA MUNICIPAL DE CARACARAÍ
SECRETARIA MUNICIPAL DE OBRAS E SERVIÇOS PÚBLICOS

Rodovia: **CAI-361 - Antiga Vicinal 03 da Petrolina**
Trecho: **Entronc. BR-714 (Km 0,00) x Vicinal 23 CAI-328 (Km 8,00)**
Serviço: **Recuperação de Estrada Vicinal**
Extensão: **8,00 Km**
Município: **Caracaraí**
Data: **22/06/2026**
ART: **RR20260180701**

TERRAPLENAGEM - MAPA DE CUBAÇÃO						
DMT de	200 a 400		P=	6,00		Empolamento: 20,00%
Estacas	Area		Semi-Distância (m)	Volume		
	Aterro (m²)	Acum. Aterro (m²)		Aterro (m³)	Acum. Aterro (m³)	Empolado (m³)
328	4,651	1.470,783		-	-	-
	-	-	10,000	104,560	29.386,700	35.264,040
329	5,805	1.476,588		-	-	-
	-	-	10,000	98,280	29.484,980	35.381,976
330	4,023	1.480,611		-	-	-
	-	-	10,000	72,960	29.557,940	35.469,528
331	3,273	1.483,884		-	-	-
	-	-	10,000	57,520	29.615,460	35.538,552
332	2,479	1.486,363		-	-	-
	-	-	10,000	53,820	29.669,280	35.603,136
333	2,903	1.489,266		-	-	-
	-	-	10,000	67,520	29.736,800	35.684,160
334	3,849	1.493,115		-	-	-
	-	-	10,000	76,980	29.813,780	35.776,536
335	3,849	1.496,964		-	-	-
	-	-	10,000	72,490	29.886,270	35.863,524
336	3,400	1.500,364		-	-	-
	-	-	10,000	85,060	29.971,330	35.965,596
337	5,106	1.505,470		-	-	-
	-	-	10,000	103,970	30.075,300	36.090,360
338	5,291	1.510,761		-	-	-
	-	-	10,000	93,010	30.168,310	36.201,972
339	4,010	1.514,771		-	-	-
	-	-	10,000	92,570	30.260,880	36.313,056
340	5,247	1.520,018		-	-	-
	-	-	10,000	101,990	30.362,870	36.435,444
341	4,952	1.524,970		-	-	-
	-	-	10,000	96,960	30.459,830	36.551,796
342	4,744	1.529,714		-	-	-
	-	-	10,000	97,690	30.557,520	36.669,024
343	5,025	1.534,739		-	-	-
	-	-	10,000	109,290	30.666,810	36.800,172
344	5,904	1.540,643		-	-	-
	-	-	10,000	114,580	30.781,390	36.937,668
345	5,554	1.546,197		-	-	-
	-	-	10,000	104,350	30.885,740	37.062,888
346	4,881	1.551,078		-	-	-
	-	-	10,000	92,550	30.978,290	37.173,948
347	4,374	1.555,452		-	-	-
	-	-	10,000	93,120	31.071,410	37.285,692
348	4,938	1.560,390		-	-	-



PREFEITURA MUNICIPAL DE CARACARAÍ
SECRETARIA MUNICIPAL DE OBRAS E SERVIÇOS PÚBLICOS

Rodovia: **CAI-361 - Antiga Vicinal 03 da Petrolina**
Trecho: **Entronc. BR-714 (Km 0,00) x Vicinal 23 CAI-328 (Km 8,00)**
Serviço: **Recuperação de Estrada Vicinal**
Extensão: **8,00 Km**
Município: **Caracaraí**
Data: **22/06/2026**
ART: **RR20260180701**

TERRAPLENAGEM - MAPA DE CUBAÇÃO						
DMT de	200 a 400		P=	6,00		Empolamento: 20,00%
Estacas	Area		Semi-Distância (m)	Volume		
	Aterro (m²)	Acum. Aterro (m²)		Aterro (m³)	Acum. Aterro (m³)	Empolado (m³)
	-	-	10,000	88,230	31.159,640	37.391,568
349	3,885	1.564,275		-	-	-
	-	-	10,000	77,600	31.237,240	37.484,688
350	3,875	1.568,150		-	-	-
	-	-	10,000	77,280	31.314,520	37.577,424
351	3,853	1.572,003		-	-	-
	-	-	10,000	76,650	31.391,170	37.669,404
352	3,812	1.575,815		-	-	-
	-	-	10,000	75,820	31.466,990	37.760,388
353	3,770	1.579,585		-	-	-
	-	-	10,000	74,690	31.541,680	37.850,016
354	3,699	1.583,284		-	-	-
	-	-	10,000	73,140	31.614,820	37.937,784
355	3,615	1.586,899		-	-	-
	-	-	10,000	71,370	31.686,190	38.023,428
356	3,522	1.590,421		-	-	-
	-	-	10,000	86,320	31.772,510	38.127,012
357	5,110	1.595,531		-	-	-
	-	-	10,000	98,140	31.870,650	38.244,780
358	4,704	1.600,235		-	-	-
	-	-	10,000	98,200	31.968,850	38.362,620
359	5,116	1.605,351		-	-	-
	-	-	10,000	101,950	32.070,800	38.484,960
360	5,079	1.610,430		-	-	-
	-	-	10,000	111,420	32.182,220	38.618,664
361	6,063	1.616,493		-	-	-
	-	-	10,000	149,310	32.331,530	38.797,836
362	8,868	1.625,361		-	-	-
	-	-	10,000	130,890	32.462,420	38.954,904
363	4,221	1.629,582		-	-	-
	-	-	10,000	75,490	32.537,910	39.045,492
364	3,328	1.632,910		-	-	-
	-	-	10,000	64,520	32.602,430	39.122,916
365	3,124	1.636,034		-	-	-
	-	-	10,000	63,910	32.666,340	39.199,608
366	3,267	1.639,301		-	-	-
	-	-	10,000	64,920	32.731,260	39.277,512
367	3,225	1.642,526		-	-	-
	-	-	10,000	64,500	32.795,760	39.354,912
368	3,225	1.645,751		-	-	-
	-	-	10,000	64,820	32.860,580	39.432,696



PREFEITURA MUNICIPAL DE CARACARAÍ
SECRETARIA MUNICIPAL DE OBRAS E SERVIÇOS PÚBLICOS

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Trecho: **Entronc. BR-714 (Km 0,00) x Vicinal 23 CAI-328 (Km 8,00)**
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Município: **Caracaraí**
Data: **22/06/2026**
ART: **RR20260180701**

TERRAPLENAGEM - MAPA DE CUBAÇÃO						
DMT de	200 a 400		P=	6,00		Empolamento: 20,00%
Estacas	Area		Semi-Distância (m)	Volume		
	Aterro (m²)	Acum. Aterro (m²)		Aterro (m³)	Acum. Aterro (m³)	Empolado (m³)
369	3,257	1.649,008		-	-	-
	-	-	10,000	65,850	32.926,430	39.511,716
370	3,328	1.652,336		-	-	-
	-	-	10,000	67,570	32.994,000	39.592,800
371	3,429	1.655,765		-	-	-
	-	-	10,000	70,030	33.064,030	39.676,836
372	3,574	1.659,339		-	-	-
	-	-	10,000	70,870	33.134,900	39.761,880
373	3,513	1.662,852		-	-	-
	-	-	10,000	69,940	33.204,840	39.845,808
374	3,481	1.666,333		-	-	-
	-	-	10,000	69,740	33.274,580	39.929,496
375	3,493	1.669,826		-	-	-
	-	-	10,000	70,370	33.344,950	40.013,940
376	3,544	1.673,370		-	-	-
	-	-	10,000	71,690	33.416,640	40.099,968
377	3,625	1.676,995		-	-	-
	-	-	10,000	71,060	33.487,700	40.185,240
378	3,481	1.680,476		-	-	-
	-	-	10,000	68,490	33.556,190	40.267,428
379	3,368	1.683,844		-	-	-
	-	-	10,000	66,650	33.622,840	40.347,408
380	3,297	1.687,141		-	-	-
	-	-	10,000	65,640	33.688,480	40.426,176
381	3,267	1.690,408		-	-	-
	-	-	10,000	65,340	33.753,820	40.504,584
382	3,267	1.693,675		-	-	-
	-	-	10,000	65,740	33.819,560	40.583,472
383	3,307	1.696,982		-	-	-
	-	-	10,000	66,970	33.886,530	40.663,836
384	3,390	1.700,372		-	-	-
	-	-	10,000	68,930	33.955,460	40.746,552
385	3,503	1.703,875		-	-	-
	-	-	10,000	71,600	34.027,060	40.832,472
386	3,657	1.707,532		-	-	-
	-	-	10,000	89,970	34.117,030	40.940,436
387	5,340	1.712,872		-	-	-
	-	-	10,000	99,670	34.216,700	41.060,040
388	4,627	1.717,499		-	-	-
	-	-	10,000	92,010	34.308,710	41.170,452
389	4,574	1.722,073		-	-	-



PREFEITURA MUNICIPAL DE CARACARÁI
SECRETARIA MUNICIPAL DE OBRAS E SERVIÇOS PÚBLICOS

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Trecho: **Entronc. BR-714 (Km 0,00) x Vicinal 23 CAI-328 (Km 8,00)**
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Município: **Caracarái**
Data: **22/06/2026**
ART: **RR20260180701**

TERRAPLENAGEM - MAPA DE CUBAÇÃO						
DMT de	200 a 400		P=	6,00		Empolamento: 20,00%
Estacas	Area		Semi-Distância (m)	Volume		
	Aterro (m²)	Acum. Aterro (m²)		Aterro (m³)	Acum. Aterro (m³)	Empolado (m³)
	-	-	10,000	110,590	34.419,300	41.303,160
390	6,485	1.728,558		-	-	-
	-	-	10,000	124,190	34.543,490	41.452,188
391	5,934	1.734,492		-	-	-
	-	-	10,000	108,940	34.652,430	41.582,916
392	4,960	1.739,452		-	-	-
	-	-	10,000	100,960	34.753,390	41.704,068
393	5,136	1.744,588		-	-	-
	-	-	10,000	116,320	34.869,710	41.843,652
394	6,496	1.751,084		-	-	-
	-	-	10,000	114,990	34.984,700	41.981,640
395	5,003	1.756,087		-	-	-
	-	-	10,000	110,080	35.094,780	42.113,736
396	6,005	1.762,092		-	-	-
	-	-	10,000	124,620	35.219,400	42.263,280
397	6,457	1.768,549		-	-	-
	-	-	10,000	129,810	35.349,210	42.419,052
398	6,524	1.775,073		-	-	-
	-	-	10,000	127,170	35.476,380	42.571,656
399	6,193	1.781,266		-	-	-
	-	-	10,000	127,070	35.603,450	42.724,140
400	6,514	1.787,780		-	-	-
	-	-	10,000	65,140	35.668,590	42.802,308

AREA DEGRADADA A SER RECUPERADA					
Volume Explorado (m³)	Camada Explorada (m)	Volume de Regularização (m³)			
		Larg. (m)	Comp. (m)	Altura (m)	Volume (m³)
41.018,88	1,00	202,53	202,53	0,20	8.203,00

HAROLDO JOSÉ MUNIZ
ENGENHEIRO CIVIL
CREA/RR 35-D
MATRÍCULA: 1739