

Projeto: Terraplenagem

Local: Trecho : ACESSO VICINAL LAGOA DO BARRO - ARARIPINA-PE

## MAPA DE CUBAÇÃO

SEÇÃO	CORTE					ATERRO				
	ÁREAS	SOMA DAS	SEMIDIST.	VOLUMES	SOMA DOS	ÁREAS	SOMA DAS	SEMIDIST.	VOLUMES	SOMA DOS
	(m²)	ÁREAS	d/2	(m³)	VOLUMES	(m²)	ÁREAS	d/2	(m³)	VOLUMES
0	0,012	0,000	10,00	0,000	0,000	1,024	0,000	10,00	0,000	0,000
1	0,024	0,036	10,00	0,360	0,360	1,741	2,765	10,00	27,650	27,650
2	0,138	0,162	10,00	1,620	1,980	0,988	2,729	10,00	27,290	54,940
3	0,344	0,482	10,00	4,820	6,800	0,132	1,120	10,00	11,200	66,140
4	0,835	1,179	10,00	11,790	18,590	0,130	0,262	10,00	2,620	68,760
5	1,861	2,696	10,00	26,960	45,550	0,000	0,130	10,00	1,300	70,060
6	2,310	4,171	10,00	41,710	87,260	0,000	0,000	10,00	0,000	70,060
7	2,260	4,570	10,00	45,700	132,960	0,000	0,000	10,00	0,000	70,060
8	1,935	4,195	10,00	41,950	174,910	0,042	0,042	10,00	0,420	70,480
+10,65	1,976	3,911	5,33	20,830	195,740	0,126	0,168	5,33	0,890	71,370
9	1,512	3,488	4,68	16,310	212,050	0,158	0,284	4,68	1,330	72,700
+9,36	0,934	2,446	4,68	11,450	223,500	0,163	0,321	4,68	1,500	74,200
10	2,011	2,945	5,32	15,670	239,170	0,121	0,284	5,32	1,510	75,710
11	2,221	4,232	10,00	42,320	281,490	0,041	0,162	10,00	1,620	77,330
12	0,863	3,084	10,00	30,840	312,330	0,069	0,110	10,00	1,100	78,430
13	0,950	1,813	10,00	18,130	330,460	0,058	0,127	10,00	1,270	79,700
14	1,612	2,562	10,00	25,620	356,080	0,000	0,058	10,00	0,580	80,280
15	1,211	2,823	10,00	28,230	384,310	0,009	0,009	10,00	0,090	80,370
16	1,495	2,706	10,00	27,060	411,370	0,000	0,009	10,00	0,090	80,460
17	1,847	3,342	10,00	33,420	444,790	0,000	0,000	10,00	0,000	80,460
18	3,635	5,482	10,00	54,820	499,610	0,000	0,000	10,00	0,000	80,460
19	4,052	7,687	10,00	76,870	576,480	0,005	0,005	10,00	0,050	80,510
20	2,317	6,369	10,00	63,690	640,170	0,067	0,072	10,00	0,720	81,230
21	2,414	4,731	10,00	47,310	687,480	0,033	0,100	10,00	1,000	82,230
22	2,363	4,777	10,00	47,770	735,250	0,000	0,033	10,00	0,330	82,560
23	3,236	5,599	10,00	55,990	791,240	0,000	0,000	10,00	0,000	82,560
24	3,605	6,841	10,00	68,410	859,650	0,000	0,000	10,00	0,000	82,560
25	4,031	7,636	10,00	76,360	936,010	0,000	0,000	10,00	0,000	82,560
26	5,526	9,557	10,00	95,570	1.031,580	0,000	0,000	10,00	0,000	82,560
27	3,691	9,217	10,00	92,170	1.123,750	0,000	0,000	10,00	0,000	82,560
28	4,435	8,126	10,00	81,260	1.205,010	0,019	0,019	10,00	0,190	82,750
29	2,248	6,683	10,00	66,830	1.271,840	0,111	0,130	10,00	1,300	84,050
30	2,860	5,108	10,00	51,080	1.322,920	0,309	0,420	10,00	4,200	88,250
31	2,607	5,467	10,00	54,670	1.377,590	0,891	1,200	10,00	12,000	100,250
+17,02	2,252	4,859	8,51	41,350	1.418,940	1,904	2,795	8,51	23,790	124,040
32	1,953	4,205	1,49	6,270	1.425,210	2,141	4,045	1,49	6,030	130,070
+11,71	0,902	2,855	5,86	16,720	1.441,930	3,243	5,384	5,86	31,520	161,590
33	0,592	1,494	4,14	6,190	1.448,120	3,703	6,946	4,14	28,790	190,380
+6,39	0,429	1,021	3,19	3,260	1.451,380	4,046	7,749	3,19	24,760	215,140
34	0,150	0,579	6,81	3,940	1.455,320	5,903	9,949	6,81	67,700	282,840
35	0,000	0,150	10,00	1,500	1.456,820	9,715	15,618	10,00	156,180	439,020
36	0,000	0,000	10,00	0,000	1.456,820	13,143	22,858	10,00	228,580	667,600
37	0,000	0,000	10,00	0,000	1.456,820	18,490	31,633	10,00	316,330	983,930
38	0,000	0,000	10,00	0,000	1.456,820	20,852	39,342	10,00	393,420	1.377,350
39	0,000	0,000	10,00	0,000	1.456,820	21,481	42,333	10,00	423,330	1.800,680
40	0,000	0,000	10,00	0,000	1.456,820	21,290	42,771	10,00	427,710	2.228,390
41	0,000	0,000	10,00	0,000	1.456,820	20,756	42,046	10,00	420,460	2.648,850
42	0,000	0,000	10,00	0,000	1.456,820	22,883	43,639	10,00	436,390	3.085,240
43	0,000	0,000	10,00	0,000	1.456,820	22,301	45,184	10,00	451,840	3.537,080
44	0,000	0,000	10,00	0,000	1.456,820	19,171	41,472	10,00	414,720	3.951,800
45	0,000	0,000	10,00	0,000	1.456,820	17,050	36,221	10,00	362,210	4.314,010

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SEÇÃO	CORTE					ATERRO				
	ÁREAS	SOMA DAS	SEMIDIST.	VOLUMES	SOMA DOS	ÁREAS	SOMA DAS	SEMIDIST.	VOLUMES	SOMA DOS
	(m²)	ÁREAS	d/2	(m³)	VOLUMES	(m²)	ÁREAS	d/2	(m³)	VOLUMES
46	0,000	0,000	10,00	0,000	1.456,820	11,872	28,922	10,00	289,220	4.603,230
47	0,000	0,000	10,00	0,000	1.456,820	10,082	21,954	10,00	219,540	4.822,770
48	0,009	0,009	10,00	0,090	1.456,910	8,325	18,407	10,00	184,070	5.006,840
49	0,084	0,093	10,00	0,930	1.457,840	6,513	14,838	10,00	148,380	5.155,220
50	0,792	0,876	10,00	8,760	1.466,600	4,794	11,307	10,00	113,070	5.268,290
51	0,016	0,808	10,00	8,080	1.474,680	3,197	7,991	10,00	79,910	5.348,200
52	1,108	1,124	10,00	11,240	1.485,920	1,200	4,397	10,00	43,970	5.392,170
+10,03	1,021	2,129	5,01	10,680	1.496,600	0,785	1,985	5,01	9,950	5.402,120
53	1,308	2,329	4,99	11,610	1.508,210	0,450	1,235	4,99	6,160	5.408,280
+5,80	1,366	2,674	2,90	7,750	1.515,960	0,270	0,720	2,90	2,090	5.410,370
54	1,522	2,888	7,10	20,500	1.536,460	0,000	0,270	7,10	1,920	5.412,290
+1,58	1,652	3,174	0,79	2,510	1.538,970	0,000	0,000	0,79	0,000	5.412,290
55	2,693	4,345	9,21	40,020	1.578,990	0,000	0,000	9,21	0,000	5.412,290
56	2,311	5,004	10,00	50,040	1.629,030	0,000	0,000	10,00	0,000	5.412,290
57	2,185	4,496	10,00	44,960	1.673,990	0,000	0,000	10,00	0,000	5.412,290
58	2,439	4,624	10,00	46,240	1.720,230	0,003	0,003	10,00	0,030	5.412,320
59	2,192	4,631	10,00	46,310	1.766,540	0,000	0,003	10,00	0,030	5.412,350
60	2,544	4,736	10,00	47,360	1.813,900	0,000	0,000	10,00	0,000	5.412,350
61	2,552	5,096	10,00	50,960	1.864,860	0,002	0,002	10,00	0,020	5.412,370
62	3,165	5,717	10,00	57,170	1.922,030	0,054	0,056	10,00	0,560	5.412,930
63	1,820	4,985	10,00	49,850	1.971,880	0,334	0,388	10,00	3,880	5.416,810
64	1,380	3,200	10,00	32,000	2.003,880	0,451	0,785	10,00	7,850	5.424,660
65	0,560	1,940	10,00	19,400	2.023,280	0,942	1,393	10,00	13,930	5.438,590
66	0,041	0,601	10,00	6,010	2.029,290	1,767	2,709	10,00	27,090	5.465,680
+0,44	0,031	0,072	0,22	0,020	2.029,310	1,775	3,542	0,22	0,780	5.466,460
67	0,010	0,041	9,78	0,400	2.029,710	1,598	3,373	9,78	32,990	5.499,450
68	0,275	0,285	10,00	2,850	2.032,560	0,420	2,018	10,00	20,180	5.519,630
+4,50	0,549	0,824	2,25	1,850	2.034,410	0,172	0,592	2,25	1,330	5.520,960
69	1,254	1,803	7,75	13,970	2.048,380	0,126	0,298	7,75	2,310	5.523,270
70	1,283	2,537	10,00	25,370	2.073,750	0,094	0,220	10,00	2,200	5.525,470
+8,57	1,183	2,466	4,28	10,570	2.084,320	0,076	0,170	4,28	0,730	5.526,200
+16,49	1,042	2,225	3,96	8,810	2.093,130	0,061	0,137	3,96	0,540	5.526,740
71	0,963	2,005	1,76	3,520	2.096,650	0,055	0,116	1,76	0,200	5.526,940
72	0,770	1,733	10,00	17,330	2.113,980	0,027	0,082	10,00	0,820	5.527,760
73	0,514	1,284	10,00	12,840	2.126,820	0,014	0,041	10,00	0,410	5.528,170
+13,29	1,144	1,658	6,64	11,020	2.137,840	0,000	0,014	6,64	0,090	5.528,260
74	1,069	2,213	3,36	7,420	2.145,260	0,000	0,000	3,36	0,000	5.528,260
75	0,439	1,508	10,00	15,080	2.160,340	0,234	0,234	10,00	2,340	5.530,600
76	0,556	0,995	10,00	9,950	2.170,290	0,392	0,626	10,00	6,260	5.536,860
+10,10	0,350	0,906	5,05	4,580	2.174,870	0,581	0,973	5,05	4,910	5.541,770
77	0,304	0,654	4,95	3,240	2.178,110	0,858	1,439	4,95	7,120	5.548,890
78	0,868	1,172	10,00	11,720	2.189,830	1,302	2,160	10,00	21,600	5.570,490
79	0,674	1,542	10,00	15,420	2.205,250	0,986	2,288	10,00	22,880	5.593,370
80	0,829	1,503	10,00	15,030	2.220,280	0,459	1,445	10,00	14,450	5.607,820
81	3,897	4,726	10,00	47,260	2.267,540	0,034	0,493	10,00	4,930	5.612,750
82	4,591	8,488	10,00	84,880	2.352,420	0,044	0,078	10,00	0,780	5.613,530
83	4,510	9,101	10,00	91,010	2.443,430	0,139	0,183	10,00	1,830	5.615,360
84	4,477	8,987	10,00	89,870	2.533,300	0,025	0,164	10,00	1,640	5.617,000
85	1,926	6,403	10,00	64,030	2.597,330	0,528	0,553	10,00	5,530	5.622,530
86	0,488	2,414	10,00	24,140	2.621,470	3,619	4,147	10,00	41,470	5.664,000
87	0,712	1,200	10,00	12,000	2.633,470	6,390	10,009	10,00	100,090	5.764,090
88	0,000	0,712	10,00	7,120	2.640,590	9,392	15,782	10,00	157,820	5.921,910
89	0,000	0,000	10,00	0,000	2.640,590	13,259	22,651	10,00	226,510	6.148,420
90	0,000	0,000	10,00	0,000	2.640,590	19,771	33,030	10,00	330,300	6.478,720

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SEÇÃO	CORTE					ATERRO				
	ÁREAS	SOMA DAS	SEMIDIST.	VOLUMES	SOMA DOS	ÁREAS	SOMA DAS	SEMIDIST.	VOLUMES	SOMA DOS
	(m²)	ÁREAS	d/2	(m³)	VOLUMES	(m²)	ÁREAS	d/2	(m³)	VOLUMES
91	0,000	0,000	10,00	0,000	2.640,590	24,686	44,457	10,00	444,570	6.923,290
92	0,000	0,000	10,00	0,000	2.640,590	27,112	51,798	10,00	517,980	7.441,270
93	0,000	0,000	10,00	0,000	2.640,590	26,615	53,727	10,00	537,270	7.978,540
94	0,000	0,000	10,00	0,000	2.640,590	24,223	50,838	10,00	508,380	8.486,920
95	0,000	0,000	10,00	0,000	2.640,590	20,451	44,674	10,00	446,740	8.933,660
+10,67	0,000	0,000	5,34	0,000	2.640,590	18,636	39,087	5,34	208,530	9.142,190
96	0,000	0,000	4,66	0,000	2.640,590	16,935	35,571	4,66	165,940	9.308,130
+10,97	0,000	0,000	5,49	0,000	2.640,590	15,038	31,973	5,49	175,370	9.483,500
97	0,000	0,000	4,51	0,000	2.640,590	12,676	27,714	4,51	125,130	9.608,630
+11,26	0,000	0,000	5,63	0,000	2.640,590	7,787	20,463	5,63	115,210	9.723,840
98	0,225	0,225	4,37	0,980	2.641,570	4,480	12,267	4,37	53,610	9.777,450
99	3,045	3,270	10,00	32,700	2.674,270	0,467	4,947	10,00	49,470	9.826,920
100	12,383	15,428	10,00	154,280	2.828,550	0,000	0,467	10,00	4,670	9.831,590
101	12,886	25,269	10,00	252,690	3.081,240	0,000	0,000	10,00	0,000	9.831,590
102	13,200	26,086	10,00	260,860	3.342,100	0,000	0,000	10,00	0,000	9.831,590
103	11,564	24,764	10,00	247,640	3.589,740	0,000	0,000	10,00	0,000	9.831,590
104	10,003	21,567	10,00	215,670	3.805,410	0,000	0,000	10,00	0,000	9.831,590
105	8,017	18,020	10,00	180,200	3.985,610	0,000	0,000	10,00	0,000	9.831,590
+8,55	7,031	15,048	4,28	64,330	4.049,940	0,000	0,000	4,28	0,000	9.831,590
106	5,396	12,427	5,72	71,140	4.121,080	0,000	0,000	5,72	0,000	9.831,590
+17,69	3,875	9,271	8,85	82,000	4.203,080	0,000	0,000	8,85	0,000	9.831,590
107	3,671	7,546	1,15	8,720	4.211,800	0,000	0,000	1,15	0,000	9.831,590
108	2,716	6,387	10,00	63,870	4.275,670	0,000	0,000	10,00	0,000	9.831,590
+6,84	2,396	5,112	3,42	17,480	4.293,150	0,000	0,000	3,42	0,000	9.831,590
109	1,927	4,323	6,58	28,450	4.321,600	0,067	0,067	6,58	0,440	9.832,030
110	1,548	3,475	10,00	34,750	4.356,350	0,051	0,118	10,00	1,180	9.833,210
111	2,387	3,935	10,00	39,350	4.395,700	0,003	0,054	10,00	0,540	9.833,750
112	1,950	4,337	10,00	43,370	4.439,070	0,105	0,108	10,00	1,080	9.834,830
113	1,176	3,126	10,00	31,260	4.470,330	0,000	0,105	10,00	1,050	9.835,880
114	1,634	2,810	10,00	28,100	4.498,430	0,019	0,019	10,00	0,190	9.836,070
115	1,418	3,052	10,00	30,520	4.528,950	0,084	0,103	10,00	1,030	9.837,100
116	1,115	2,533	10,00	25,330	4.554,280	0,029	0,113	10,00	1,130	9.838,230
117	1,192	2,307	10,00	23,070	4.577,350	0,400	0,429	10,00	4,290	9.842,520
118	1,045	2,237	10,00	22,370	4.599,720	0,608	1,008	10,00	10,080	9.852,600
119	0,768	1,813	10,00	18,130	4.617,850	0,473	1,081	10,00	10,810	9.863,410
120	0,361	1,129	10,00	11,290	4.629,140	0,513	0,986	10,00	9,860	9.873,270
121	0,430	0,791	10,00	7,910	4.637,050	0,571	1,084	10,00	10,840	9.884,110
122	0,041	0,471	10,00	4,710	4.641,760	0,503	1,074	10,00	10,740	9.894,850
123	0,353	0,394	10,00	3,940	4.645,700	0,079	0,582	10,00	5,820	9.900,670
124	0,073	0,426	10,00	4,260	4.649,960	0,586	0,665	10,00	6,650	9.907,320
125	0,336	0,409	10,00	4,090	4.654,050	0,013	0,599	10,00	5,990	9.913,310
126	0,192	0,528	10,00	5,280	4.659,330	0,061	0,074	10,00	0,740	9.914,050
127	0,054	0,246	10,00	2,460	4.661,790	1,318	1,379	10,00	13,790	9.927,840
128	0,000	0,054	10,00	0,540	4.662,330	1,855	3,173	10,00	31,730	9.959,570
129	0,000	0,000	10,00	0,000	4.662,330	1,173	3,028	10,00	30,280	9.989,850
130	0,000	0,000	10,00	0,000	4.662,330	2,270	3,443	10,00	34,430	10.024,280
131	0,013	0,013	10,00	0,130	4.662,460	2,478	4,748	10,00	47,480	10.071,760
132	0,000	0,013	10,00	0,130	4.662,590	2,847	5,325	10,00	53,250	10.125,010
133	0,000	0,000	10,00	0,000	4.662,590	2,523	5,370	10,00	53,700	10.178,710
134	0,033	0,033	10,00	0,330	4.662,920	1,659	4,182	10,00	41,820	10.220,530
135	0,000	0,033	10,00	0,330	4.663,250	2,002	3,661	10,00	36,610	10.257,140
+1,92	0,000	0,000	0,96	0,000	4.663,250	2,083	4,085	0,96	3,920	10.261,060
+13,29	0,000	0,000	5,68	0,000	4.663,250	2,694	4,777	5,68	27,160	10.288,220
136	0,000	0,000	3,36	0,000	4.663,250	3,144	5,838	3,36	19,590	10.307,810

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	ÁREAS	SOMA DAS	SEMIDIST.	VOLUMES	SOMA DOS	ÁREAS	SOMA DAS	SEMIDIST.	VOLUMES	SOMA DOS
	(m²)	ÁREAS	d/2	(m³)	VOLUMES	(m²)	ÁREAS	d/2	(m³)	VOLUMES
+4,65	0,000	0,000	2,33	0,000	4.663,250	3,501	6,645	2,33	15,450	10.323,260
137	0,000	0,000	7,67	0,000	4.663,250	2,995	6,496	7,67	49,860	10.373,120
138	0,000	0,000	10,00	0,000	4.663,250	2,703	5,698	10,00	56,980	10.430,100
139	0,000	0,000	10,00	0,000	4.663,250	1,562	4,265	10,00	42,650	10.472,750
140	0,000	0,000	10,00	0,000	4.663,250	0,742	2,304	10,00	23,040	10.495,790
141	0,283	0,283	10,00	2,830	4.666,080	0,040	0,782	10,00	7,820	10.503,610
142	0,736	1,019	10,00	10,190	4.676,270	0,000	0,040	10,00	0,400	10.504,010
143	1,323	2,059	10,00	20,590	4.696,860	0,000	0,000	10,00	0,000	10.504,010
144	2,105	3,428	10,00	34,280	4.731,140	0,000	0,000	10,00	0,000	10.504,010
145	2,405	4,510	10,00	45,100	4.776,240	0,000	0,000	10,00	0,000	10.504,010
146	1,076	3,481	10,00	34,810	4.811,050	0,000	0,000	10,00	0,000	10.504,010
147	1,551	2,627	10,00	26,270	4.837,320	0,145	0,145	10,00	1,450	10.505,460
148	1,303	2,854	10,00	28,540	4.865,860	0,546	0,691	10,00	6,910	10.512,370
149	1,128	2,431	10,00	24,310	4.890,170	1,297	1,843	10,00	18,430	10.530,800
150	1,447	2,575	10,00	25,750	4.915,920	1,921	3,218	10,00	32,180	10.562,980
151	1,020	2,467	10,00	24,670	4.940,590	2,627	4,548	10,00	45,480	10.608,460
152	0,627	1,647	10,00	16,470	4.957,060	3,223	5,850	10,00	58,500	10.666,960
153	0,036	0,663	10,00	6,630	4.963,690	4,168	7,391	10,00	73,910	10.740,870
154	0,100	0,136	10,00	1,360	4.965,050	3,580	7,748	10,00	77,480	10.818,350
155	0,443	0,543	10,00	5,430	4.970,480	2,749	6,329	10,00	63,290	10.881,640
156	1,234	1,677	10,00	16,770	4.987,250	1,813	4,562	10,00	45,620	10.927,260
157	1,336	2,570	10,00	25,700	5.012,950	0,859	2,672	10,00	26,720	10.953,980
158	1,607	2,943	10,00	29,430	5.042,380	0,332	1,191	10,00	11,910	10.965,890
159	1,905	3,512	10,00	35,120	5.077,500	0,026	0,358	10,00	3,580	10.969,470
160	2,524	4,429	10,00	44,290	5.121,790	0,000	0,026	10,00	0,260	10.969,730
161	2,220	4,744	10,00	47,440	5.169,230	0,000	0,000	10,00	0,000	10.969,730
162	1,048	3,268	10,00	32,680	5.201,910	0,023	0,023	10,00	0,230	10.969,960
163	0,848	1,896	10,00	18,960	5.220,870	0,360	0,383	10,00	3,830	10.973,790
164	1,178	2,026	10,00	20,260	5.241,130	0,966	1,326	10,00	13,260	10.987,050
165	1,296	2,474	10,00	24,740	5.265,870	1,229	2,195	10,00	21,950	11.009,000
166	0,561	1,857	10,00	18,570	5.284,440	1,515	2,744	10,00	27,440	11.036,440
167	0,128	0,689	10,00	6,890	5.291,330	1,789	3,304	10,00	33,040	11.069,480
168	0,566	0,694	10,00	6,940	5.298,270	1,328	3,117	10,00	31,170	11.100,650
169	0,418	0,984	10,00	9,840	5.308,110	0,795	2,123	10,00	21,230	11.121,880
170	2,187	2,605	10,00	26,050	5.334,160	0,109	0,904	10,00	9,040	11.130,920
171	4,043	6,230	10,00	62,300	5.396,460	0,000	0,109	10,00	1,090	11.132,010
172	5,170	9,213	10,00	92,130	5.488,590	0,000	0,000	10,00	0,000	11.132,010
173	7,369	12,539	10,00	125,390	5.613,980	0,000	0,000	10,00	0,000	11.132,010
174	6,486	13,855	10,00	138,550	5.752,530	0,000	0,000	10,00	0,000	11.132,010
175	7,373	13,859	10,00	138,590	5.891,120	0,000	0,000	10,00	0,000	11.132,010
176	4,790	12,163	10,00	121,630	6.012,750	0,000	0,000	10,00	0,000	11.132,010
177	2,563	7,353	10,00	73,530	6.086,280	0,000	0,000	10,00	0,000	11.132,010
+5,98	2,145	4,708	2,99	14,080	6.100,360	0,000	0,000	2,99	0,000	11.132,010
178	1,381	3,526	7,01	24,720	6.125,080	0,238	0,238	7,01	1,670	11.133,680
179	0,413	1,794	10,00	17,940	6.143,020	1,011	1,249	10,00	12,490	11.146,170
+5,98	0,171	0,584	2,99	1,750	6.144,770	1,270	2,281	2,99	6,820	11.152,990
180	0,167	0,338	7,01	2,370	6.147,140	1,924	3,194	7,01	22,390	11.175,380
181	0,582	0,749	10,00	7,490	6.154,630	2,193	4,117	10,00	41,170	11.216,550
182	1,379	1,961	10,00	19,610	6.174,240	1,901	4,094	10,00	40,940	11.257,490
+2,65	1,450	2,829	1,33	3,750	6.177,990	1,902	3,803	1,33	5,040	11.262,530
183	1,069	2,519	8,67	21,850	6.199,840	1,849	3,751	8,67	32,540	11.295,070
184	0,870	1,939	10,00	19,390	6.219,230	1,857	3,706	10,00	37,060	11.332,130
+19,31	0,328	1,198	9,65	11,570	6.230,800	1,774	3,631	9,65	35,060	11.367,190
185	0,315	0,643	0,35	0,220	6.231,020	1,730	3,504	0,35	1,210	11.368,400

Projeto: Terraplenagem

Local: Trecho : ACESSO VICINAL LAGOA DO BARRO - ARARIPINA-PE

## MAPA DE CUBAÇÃO

SEÇÃO	CORTE					ATERRO				
	ÁREAS	SOMA DAS	SEMIDIST.	VOLUMES	SOMA DOS	ÁREAS	SOMA DAS	SEMIDIST.	VOLUMES	SOMA DOS
	(m²)	ÁREAS	d/2	(m³)	VOLUMES	(m²)	ÁREAS	d/2	(m³)	VOLUMES
186	0,753	1,068	10,00	10,680	6.241,700	1,027	2,757	10,00	27,570	11.395,970
+19,31	0,615	1,368	9,65	13,210	6.254,910	0,275	1,302	9,65	12,570	11.408,540
187	0,671	1,286	0,35	0,440	6.255,350	0,257	0,532	0,35	0,180	11.408,720
188	2,327	2,998	10,00	29,980	6.285,330	0,152	0,409	10,00	4,090	11.412,810
189	2,007	4,334	10,00	43,340	6.328,670	0,152	0,304	10,00	3,040	11.415,850
190	1,668	3,675	10,00	36,750	6.365,420	0,042	0,194	10,00	1,940	11.417,790
191	2,242	3,910	10,00	39,100	6.404,520	0,000	0,042	10,00	0,420	11.418,210
192	2,075	4,317	10,00	43,170	6.447,690	0,000	0,000	10,00	0,000	11.418,210
193	3,347	5,422	10,00	54,220	6.501,910	0,000	0,000	10,00	0,000	11.418,210
194	2,159	5,506	10,00	55,060	6.556,970	0,000	0,000	10,00	0,000	11.418,210
195	2,540	4,699	10,00	46,990	6.603,960	0,000	0,000	10,00	0,000	11.418,210
196	3,287	5,827	10,00	58,270	6.662,230	0,000	0,000	10,00	0,000	11.418,210
197	3,487	6,774	10,00	67,740	6.729,970	0,000	0,000	10,00	0,000	11.418,210
198	4,714	8,201	10,00	82,010	6.811,980	0,000	0,000	10,00	0,000	11.418,210
199	5,497	10,211	10,00	102,110	6.914,090	0,000	0,000	10,00	0,000	11.418,210
200	5,157	10,654	10,00	106,540	7.020,630	0,000	0,000	10,00	0,000	11.418,210
201	5,150	10,307	10,00	103,070	7.123,700	0,000	0,000	10,00	0,000	11.418,210
202	4,413	9,563	10,00	95,630	7.219,330	0,000	0,000	10,00	0,000	11.418,210
+4,15	3,855	8,268	2,08	17,160	7.236,490	0,000	0,000	2,08	0,000	11.418,210
203	3,745	7,600	7,92	60,230	7.296,720	0,000	0,000	7,92	0,000	11.418,210
204	4,200	7,945	10,00	79,450	7.376,170	0,000	0,000	10,00	0,000	11.418,210
+4,15	4,275	8,475	2,08	17,590	7.393,760	0,000	0,000	2,08	0,000	11.418,210
205	4,379	8,654	7,92	68,580	7.462,340	0,000	0,000	7,92	0,000	11.418,210
206	4,286	8,665	10,00	86,650	7.548,990	0,000	0,000	10,00	0,000	11.418,210
207	4,371	8,657	10,00	86,570	7.635,560	0,000	0,000	10,00	0,000	11.418,210
208	4,011	8,382	10,00	83,820	7.719,380	0,000	0,000	10,00	0,000	11.418,210
209	4,780	8,791	10,00	87,910	7.807,290	0,000	0,000	10,00	0,000	11.418,210
+2,33	4,902	9,682	1,16	11,280	7.818,570	0,000	0,000	1,16	0,000	11.418,210
210	4,075	8,977	8,84	79,310	7.897,880	0,000	0,000	8,84	0,000	11.418,210
211	3,004	7,079	10,00	70,790	7.968,670	0,000	0,000	10,00	0,000	11.418,210
212	1,842	4,846	10,00	48,460	8.017,130	0,058	0,058	10,00	0,580	11.418,790
213	1,551	3,393	10,00	33,930	8.051,060	0,929	0,987	10,00	9,870	11.428,660
214	1,094	2,645	10,00	26,450	8.077,510	2,083	3,012	10,00	30,120	11.458,780
+0,51	1,078	2,172	0,26	0,550	8.078,060	2,027	4,110	0,26	1,050	11.459,830
215	0,537	1,615	9,74	15,740	8.093,800	3,201	5,228	9,74	50,950	11.510,780
216	0,150	0,687	10,00	6,870	8.100,670	4,539	7,740	10,00	77,400	11.588,180
+0,51	0,144	0,294	0,26	0,070	8.100,740	4,574	9,113	0,26	2,320	11.590,500
217	0,043	0,187	9,74	1,820	8.102,560	8,020	12,594	9,74	122,730	11.713,230
218	0,000	0,043	10,00	0,430	8.102,990	14,897	22,917	10,00	229,170	11.942,400
219	0,000	0,000	10,00	0,000	8.102,990	18,500	33,397	10,00	333,970	12.276,370
220	0,000	0,000	10,00	0,000	8.102,990	23,052	41,552	10,00	415,520	12.691,890
221	0,000	0,000	10,00	0,000	8.102,990	25,680	48,732	10,00	487,320	13.179,210
222	0,000	0,000	10,00	0,000	8.102,990	26,476	52,156	10,00	521,560	13.700,770
223	0,000	0,000	10,00	0,000	8.102,990	28,542	55,018	10,00	550,180	14.250,950
224	0,000	0,000	10,00	0,000	8.102,990	27,946	56,488	10,00	564,880	14.815,830
+3,51	0,000	0,000	1,76	0,000	8.102,990	27,762	55,708	1,76	97,770	14.913,600
225	0,000	0,000	8,24	0,000	8.102,990	30,138	57,900	8,24	477,390	15.390,990
226	0,000	0,000	10,00	0,000	8.102,990	26,333	56,471	10,00	564,710	15.955,700
+3,51	0,000	0,000	1,76	0,000	8.102,990	25,479	51,812	1,76	90,930	16.046,630
+13,33	0,000	0,000	4,91	0,000	8.102,990	23,660	49,139	4,91	241,270	16.287,900
227	0,000	0,000	3,34	0,000	8.102,990	22,460	46,120	3,34	153,810	16.441,710
+3,15	0,000	0,000	1,57	0,000	8.102,990	21,899	44,359	1,57	69,870	16.511,580
228	0,000	0,000	8,43	0,000	8.102,990	20,088	41,987	8,43	353,740	16.865,320
229	0,000	0,000	10,00	0,000	8.102,990	15,829	35,917	10,00	359,170	17.224,490

Projeto: Terraplenagem

Local: Trecho : ACESSO VICINAL LAGOA DO BARRO - ARARIPINA-PE

## MAPA DE CUBAÇÃO

SEÇÃO	CORTE					ATERRO				
	ÁREAS	SOMA DAS	SEMIDIST.	VOLUMES	SOMA DOS	ÁREAS	SOMA DAS	SEMIDIST.	VOLUMES	SOMA DOS
	(m²)	ÁREAS	d/2	(m³)	VOLUMES	(m²)	ÁREAS	d/2	(m³)	VOLUMES
+3,15	0,000	0,000	1,57	0,000	8.102,990	15,281	31,110	1,57	49,000	17.273,490
230	0,000	0,000	8,43	0,000	8.102,990	13,432	28,713	8,43	241,910	17.515,400
+3,11	0,000	0,000	1,55	0,000	8.102,990	13,188	26,620	1,55	41,390	17.556,790
231	0,000	0,000	8,45	0,000	8.102,990	13,555	26,743	8,45	225,840	17.782,630
232	0,006	0,006	10,00	0,060	8.103,050	11,011	24,566	10,00	245,660	18.028,290
+3,11	0,008	0,014	1,55	0,020	8.103,070	10,582	21,593	1,55	33,580	18.061,870
+18,13	0,096	0,104	7,51	0,780	8.103,850	9,156	19,738	7,51	148,230	18.210,100
233	0,133	0,229	0,93	0,210	8.104,060	9,014	18,170	0,93	16,990	18.227,090
+13,16	0,642	0,775	6,58	5,100	8.109,160	7,755	16,769	6,58	110,340	18.337,430
234	0,560	1,202	3,42	4,110	8.113,270	6,743	14,498	3,42	49,580	18.387,010
235	0,567	1,127	10,00	11,270	8.124,540	4,736	11,479	10,00	114,790	18.501,800
+13,16	0,524	1,091	6,58	7,180	8.131,720	3,457	8,193	6,58	53,910	18.555,710
236	0,643	1,167	3,42	3,990	8.135,710	2,828	6,285	3,42	21,490	18.577,200
237	0,956	1,599	10,00	15,990	8.151,700	1,407	4,235	10,00	42,350	18.619,550
238	0,961	1,917	10,00	19,170	8.170,870	0,655	2,062	10,00	20,620	18.640,170
239	1,112	2,073	10,00	20,730	8.191,600	0,220	0,875	10,00	8,750	18.648,920
240	1,454	2,566	10,00	25,660	8.217,260	0,143	0,363	10,00	3,630	18.652,550
241	1,275	2,729	10,00	27,290	8.244,550	0,054	0,197	10,00	1,970	18.654,520
242	1,278	2,553	10,00	25,530	8.270,080	0,065	0,119	10,00	1,190	18.655,710
243	1,021	2,299	10,00	22,990	8.293,070	0,094	0,159	10,00	1,590	18.657,300
244	0,909	1,930	10,00	19,300	8.312,370	0,115	0,209	10,00	2,090	18.659,390
245	0,809	1,718	10,00	17,180	8.329,550	0,271	0,386	10,00	3,860	18.663,250
246	0,535	1,344	10,00	13,440	8.342,990	0,498	0,769	10,00	7,690	18.670,940
247	0,530	1,065	10,00	10,650	8.353,640	0,631	1,129	10,00	11,290	18.682,230
248	0,424	0,954	10,00	9,540	8.363,180	1,204	1,835	10,00	18,350	18.700,580
249	0,346	0,770	10,00	7,700	8.370,880	0,873	2,077	10,00	20,770	18.721,350
250	0,279	0,625	10,00	6,250	8.377,130	1,055	1,928	10,00	19,280	18.740,630
251	0,630	0,909	10,00	9,090	8.386,220	1,192	2,247	10,00	22,470	18.763,100
252	0,973	1,603	10,00	16,030	8.402,250	1,133	2,325	10,00	23,250	18.786,350
253	1,013	1,986	10,00	19,860	8.422,110	1,046	2,179	10,00	21,790	18.808,140
254	1,172	2,185	10,00	21,850	8.443,960	0,657	1,703	10,00	17,030	18.825,170
255	1,588	2,760	10,00	27,600	8.471,560	0,233	0,890	10,00	8,900	18.834,070
256	1,800	3,388	10,00	33,880	8.505,440	0,096	0,329	10,00	3,290	18.837,360
257	1,511	3,311	10,00	33,110	8.538,550	0,114	0,210	10,00	2,100	18.839,460
258	1,385	2,896	10,00	28,960	8.567,510	0,046	0,160	10,00	1,600	18.841,060
259	0,178	1,563	10,00	15,630	8.583,140	0,438	0,484	10,00	4,840	18.845,900
260	0,518	0,696	10,00	6,960	8.590,100	0,920	1,358	10,00	13,580	18.859,480
261	1,642	2,160	10,00	21,600	8.611,700	0,236	1,156	10,00	11,560	18.871,040
262	0,824	2,466	10,00	24,660	8.636,360	0,000	0,236	10,00	2,360	18.873,400
263	1,094	1,918	10,00	19,180	8.655,540	0,000	0,000	10,00	0,000	18.873,400
264	0,652	1,746	10,00	17,460	8.673,000	0,007	0,007	10,00	0,070	18.873,470
265	0,188	0,840	10,00	8,400	8.681,400	0,281	0,288	10,00	2,880	18.876,350
266	0,024	0,212	10,00	2,120	8.683,520	0,687	0,968	10,00	9,680	18.886,030
267	0,103	0,127	10,00	1,270	8.684,790	0,943	1,630	10,00	16,300	18.902,330
268	0,225	0,328	10,00	3,280	8.688,070	0,569	1,512	10,00	15,120	18.917,450
+15,89	0,366	0,591	7,95	4,700	8.692,770	0,060	0,629	7,95	5,000	18.922,450
269	0,420	0,786	2,05	1,620	8.694,390	0,089	0,149	2,05	0,310	18.922,760
270	0,742	1,162	10,00	11,620	8.706,010	0,024	0,113	10,00	1,130	18.923,890
+15,89	0,164	0,906	7,95	7,200	8.713,210	0,286	0,310	7,95	2,460	18.926,350
271	0,064	0,228	2,05	0,470	8.713,680	0,380	0,666	2,05	1,370	18.927,720
272	0,574	0,638	10,00	6,380	8.720,060	0,606	0,986	10,00	9,860	18.937,580
273	0,452	1,026	10,00	10,260	8.730,320	0,795	1,401	10,00	14,010	18.951,590
274	0,520	0,972	10,00	9,720	8.740,040	0,483	1,278	10,00	12,780	18.964,370
+9,29	0,618	1,138	4,64	5,290	8.745,330	0,478	0,961	4,64	4,460	18.968,830

Projeto: Terraplenagem

Local: Trecho : ACESSO VICINAL LAGOA DO BARRO - ARARIPINA-PE

## MAPA DE CUBAÇÃO

SEÇÃO	CORTE					ATERRO				
	ÁREAS	SOMA DAS	SEMIDIST.	VOLUMES	SOMA DOS	ÁREAS	SOMA DAS	SEMIDIST.	VOLUMES	SOMA DOS
	(m²)	ÁREAS	d/2	(m³)	VOLUMES	(m²)	ÁREAS	d/2	(m³)	VOLUMES
275	1,064	1,682	5,36	9,010	8.754,340	0,631	1,109	5,36	5,940	18.974,770
276	1,463	2,527	10,00	25,270	8.779,610	0,590	1,221	10,00	12,210	18.986,980
277	1,262	2,725	10,00	27,250	8.806,860	0,322	0,912	10,00	9,120	18.996,100
278	1,483	2,745	10,00	27,450	8.834,310	0,226	0,548	10,00	5,480	19.001,580
+2,70	1,385	2,868	1,35	3,870	8.838,180	0,256	0,482	1,35	0,650	19.002,230
279	1,266	2,651	8,65	22,930	8.861,110	0,680	0,936	8,65	8,100	19.010,330
280	1,121	2,387	10,00	23,870	8.884,980	1,311	1,991	10,00	19,910	19.030,240
+2,70	0,804	1,925	1,35	2,600	8.887,580	1,420	2,731	1,35	3,690	19.033,930
281	0,090	0,894	8,65	7,730	8.895,310	2,935	4,355	8,65	37,670	19.071,600
282	0,022	0,112	10,00	1,120	8.896,430	5,073	8,008	10,00	80,080	19.151,680
283	0,000	0,022	10,00	0,220	8.896,650	8,268	13,341	10,00	133,410	19.285,090
284	0,000	0,000	10,00	0,000	8.896,650	12,968	21,236	10,00	212,360	19.497,450
285	0,000	0,000	10,00	0,000	8.896,650	18,457	31,425	10,00	314,250	19.811,700
286	0,000	0,000	10,00	0,000	8.896,650	23,484	41,941	10,00	419,410	20.231,110
287	0,000	0,000	10,00	0,000	8.896,650	24,632	48,116	10,00	481,160	20.712,270
288	0,000	0,000	10,00	0,000	8.896,650	23,272	47,904	10,00	479,040	21.191,310
289	0,000	0,000	10,00	0,000	8.896,650	19,999	43,271	10,00	432,710	21.624,020
290	0,000	0,000	10,00	0,000	8.896,650	11,674	31,673	10,00	316,730	21.940,750
291	0,000	0,000	10,00	0,000	8.896,650	5,571	17,245	10,00	172,450	22.113,200
292	0,048	0,048	10,00	0,480	8.897,130	1,468	7,039	10,00	70,390	22.183,590
293	0,833	0,881	10,00	8,810	8.905,940	0,483	1,951	10,00	19,510	22.203,100
294	1,832	2,665	10,00	26,650	8.932,590	0,080	0,563	10,00	5,630	22.208,730
+1,49	1,635	3,467	0,74	2,580	8.935,170	0,069	0,149	0,74	0,110	22.208,840
295	2,479	4,114	9,26	38,080	8.973,250	0,000	0,069	9,26	0,640	22.209,480
296	4,736	7,215	10,00	72,150	9.045,400	0,000	0,000	10,00	0,000	22.209,480
297	5,172	9,908	10,00	99,080	9.144,480	0,000	0,000	10,00	0,000	22.209,480
+1,49	5,225	10,397	0,74	7,750	9.152,230	0,000	0,000	0,74	0,000	22.209,480
+14,15	5,081	10,306	6,33	65,240	9.217,470	0,000	0,000	6,33	0,000	22.209,480
298	4,832	9,913	2,93	29,000	9.246,470	0,000	0,000	2,93	0,000	22.209,480
+6,81	4,374	9,206	3,41	31,350	9.277,820	0,000	0,000	3,41	0,000	22.209,480
299	3,333	7,707	6,59	50,830	9.328,650	0,000	0,000	6,59	0,000	22.209,480
300	2,027	5,360	10,00	53,600	9.382,250	0,000	0,000	10,00	0,000	22.209,480
301	2,039	4,066	10,00	40,660	9.422,910	0,000	0,000	10,00	0,000	22.209,480
+6,81	2,156	4,195	3,41	14,280	9.437,190	0,000	0,000	3,41	0,000	22.209,480
302	2,592	4,748	6,59	31,310	9.468,500	0,000	0,000	6,59	0,000	22.209,480
303	2,369	4,961	10,00	49,610	9.518,110	0,000	0,000	10,00	0,000	22.209,480
304	2,152	4,521	10,00	45,210	9.563,320	0,000	0,000	10,00	0,000	22.209,480
305	1,740	3,892	10,00	38,920	9.602,240	0,000	0,000	10,00	0,000	22.209,480
306	1,267	3,007	10,00	30,070	9.632,310	0,000	0,000	10,00	0,000	22.209,480
+0,11	1,266	2,533	0,05	0,140	9.632,450	0,000	0,000	0,05	0,000	22.209,480
307	1,085	2,351	9,95	23,380	9.655,830	0,016	0,016	9,95	0,160	22.209,640
308	1,342	2,427	10,00	24,270	9.680,100	0,495	0,511	10,00	5,110	22.214,750
+0,11	1,342	2,684	0,05	0,150	9.680,250	0,496	0,991	0,05	0,050	22.214,800
309	1,112	2,454	9,95	24,410	9.704,660	0,420	0,916	9,95	9,110	22.223,910
+12,77	1,007	2,119	6,39	13,530	9.718,190	0,492	0,912	6,39	5,820	22.229,730
310	1,012	2,019	3,61	7,300	9.725,490	0,422	0,914	3,61	3,300	22.233,030
311	1,177	2,189	10,00	21,890	9.747,380	0,723	1,145	10,00	11,450	22.244,480
+5,43	1,120	2,297	2,72	6,240	9.753,620	0,619	1,342	2,72	3,640	22.248,120
312	0,835	1,955	7,28	14,240	9.767,860	0,185	0,804	7,28	5,860	22.253,980
313	0,832	1,667	10,00	16,670	9.784,530	0,000	0,185	10,00	1,850	22.255,830
+5,43	0,922	1,754	2,72	4,760	9.789,290	0,000	0,000	2,72	0,000	22.255,830
314	1,036	1,958	7,28	14,260	9.803,550	0,000	0,000	7,28	0,000	22.255,830
315	1,004	2,040	10,00	20,400	9.823,950	0,000	0,000	10,00	0,000	22.255,830
316	0,716	1,720	10,00	17,200	9.841,150	0,000	0,000	10,00	0,000	22.255,830

Projeto: Terraplenagem

Local: Trecho : ACESSO VICINAL LAGOA DO BARRO - ARARIPINA-PE

## MAPA DE CUBAÇÃO

SEÇÃO	CORTE					ATERRO				
	ÁREAS	SOMA DAS	SEMIDIST.	VOLUMES	SOMA DOS	ÁREAS	SOMA DAS	SEMIDIST.	VOLUMES	SOMA DOS
	(m²)	ÁREAS	d/2	(m³)	VOLUMES	(m²)	ÁREAS	d/2	(m³)	VOLUMES
317	0,197	0,913	10,00	9,130	9.850,280	0,067	0,067	10,00	0,670	22.256,500
318	0,000	0,197	10,00	1,970	9.852,250	1,091	1,158	10,00	11,580	22.268,080
319	0,000	0,000	10,00	0,000	9.852,250	2,091	3,182	10,00	31,820	22.299,900
320	0,000	0,000	10,00	0,000	9.852,250	2,994	5,085	10,00	50,850	22.350,750
321	0,000	0,000	10,00	0,000	9.852,250	3,386	6,380	10,00	63,800	22.414,550
322	0,000	0,000	10,00	0,000	9.852,250	4,089	7,475	10,00	74,750	22.489,300
323	0,000	0,000	10,00	0,000	9.852,250	3,948	8,037	10,00	80,370	22.569,670
324	0,000	0,000	10,00	0,000	9.852,250	4,575	8,523	10,00	85,230	22.654,900
325	0,000	0,000	10,00	0,000	9.852,250	4,725	9,300	10,00	93,000	22.747,900
326	0,000	0,000	10,00	0,000	9.852,250	4,145	8,870	10,00	88,700	22.836,600
327	0,005	0,005	10,00	0,050	9.852,300	3,916	8,061	10,00	80,610	22.917,210
328	0,012	0,017	10,00	0,170	9.852,470	3,614	7,530	10,00	75,300	22.992,510
329	0,000	0,012	10,00	0,120	9.852,590	4,048	7,662	10,00	76,620	23.069,130
330	0,000	0,000	10,00	0,000	9.852,590	4,176	8,224	10,00	82,240	23.151,370
331	0,047	0,047	10,00	0,470	9.853,060	3,434	7,610	10,00	76,100	23.227,470
332	0,143	0,190	10,00	1,900	9.854,960	3,387	6,821	10,00	68,210	23.295,680
333	0,000	0,143	10,00	1,430	9.856,390	3,218	6,605	10,00	66,050	23.361,730
334	0,104	0,104	10,00	1,040	9.857,430	2,890	6,108	10,00	61,080	23.422,810
335	0,254	0,358	10,00	3,580	9.861,010	0,219	3,109	10,00	31,090	23.453,900
336	1,098	1,352	10,00	13,520	9.874,530	0,000	0,219	10,00	2,190	23.456,090
337	1,418	2,516	10,00	25,160	9.899,690	0,000	0,000	10,00	0,000	23.456,090
338	1,625	3,043	10,00	30,430	9.930,120	0,000	0,000	10,00	0,000	23.456,090
339	1,530	3,155	10,00	31,550	9.961,670	0,000	0,000	10,00	0,000	23.456,090
340	1,230	2,760	10,00	27,600	9.989,270	0,000	0,000	10,00	0,000	23.456,090
341	1,367	2,597	10,00	25,970	10.015,240	0,001	0,001	10,00	0,010	23.456,100
342	0,276	1,643	10,00	16,430	10.031,670	0,172	0,173	10,00	1,730	23.457,830
343	0,179	0,455	10,00	4,550	10.036,220	1,014	1,186	10,00	11,860	23.469,690
344	0,058	0,237	10,00	2,370	10.038,590	1,953	2,967	10,00	29,670	23.499,360
345	0,074	0,132	10,00	1,320	10.039,910	1,284	3,237	10,00	32,370	23.531,730
346	0,276	0,350	10,00	3,500	10.043,410	0,641	1,925	10,00	19,250	23.550,980
347	0,464	0,740	10,00	7,400	10.050,810	0,281	0,922	10,00	9,220	23.560,200
348	0,983	1,447	10,00	14,470	10.065,280	0,022	0,303	10,00	3,030	23.563,230
349	2,262	3,245	10,00	32,450	10.097,730	0,000	0,022	10,00	0,220	23.563,450
350	3,462	5,724	10,00	57,240	10.154,970	0,000	0,000	10,00	0,000	23.563,450
351	2,021	5,483	10,00	54,830	10.209,800	0,000	0,000	10,00	0,000	23.563,450
352	1,247	3,268	10,00	32,680	10.242,480	0,000	0,000	10,00	0,000	23.563,450
353	0,501	1,748	10,00	17,480	10.259,960	0,433	0,433	10,00	4,330	23.567,780
354	0,327	0,828	10,00	8,280	10.268,240	0,691	1,124	10,00	11,240	23.579,020
355	0,884	1,211	10,00	12,110	10.280,350	0,134	0,825	10,00	8,250	23.587,270
+19,17	1,652	2,536	9,59	24,310	10.304,660	0,000	0,134	9,59	1,280	23.588,550
356	1,680	3,332	0,41	1,380	10.306,040	0,000	0,000	0,41	0,000	23.588,550
+4,50	2,242	3,922	2,25	8,820	10.314,860	0,000	0,000	2,25	0,000	23.588,550
+9,83	2,773	5,015	2,66	13,360	10.328,220	0,000	0,000	2,66	0,000	23.588,550
357	3,594	6,367	5,09	32,380	10.360,600	0,000	0,000	5,09	0,000	23.588,550
+9,98	4,511	8,105	4,99	40,440	10.401,040	0,000	0,000	4,99	0,000	23.588,550
+14,71	4,671	9,182	2,37	21,720	10.422,760	0,000	0,000	2,37	0,000	23.588,550
+19,44	4,808	9,479	2,36	22,420	10.445,180	0,000	0,000	2,36	0,000	23.588,550
358	4,835	9,643	0,28	2,700	10.447,880	0,000	0,000	0,28	0,000	23.588,550
359	6,046	10,881	10,00	108,810	10.556,690	0,000	0,000	10,00	0,000	23.588,550
360	6,949	12,995	10,00	129,950	10.686,640	0,000	0,000	10,00	0,000	23.588,550
361	6,249	13,198	10,00	131,980	10.818,620	0,000	0,000	10,00	0,000	23.588,550
362	5,993	12,242	10,00	122,420	10.941,040	0,000	0,000	10,00	0,000	23.588,550
363	6,112	12,105	10,00	121,050	11.062,090	0,000	0,000	10,00	0,000	23.588,550
364	5,345	11,457	10,00	114,570	11.176,660	0,000	0,000	10,00	0,000	23.588,550



Projeto: Terraplenagem

Local: Trecho : ACESSO VICINAL LAGOA DO BARRO - ARARIPINA-PE

MAPA DE CUBAÇÃO										
SEÇÃO	CORTE					ATERRO				
	ÁREAS	SOMA DAS	SEMIDIST.	VOLUMES	SOMA DOS	ÁREAS	SOMA DAS	SEMIDIST.	VOLUMES	SOMA DOS
	(m²)	ÁREAS	d/2	(m³)	VOLUMES	(m²)	ÁREAS	d/2	(m³)	VOLUMES
+10,84	5,519	10,864	5,42	58,880	11.235,540	0,000	0,000	5,42	0,000	23.588,550
+15,44	5,282	10,801	2,30	24,840	11.260,380	0,000	0,000	2,30	0,000	23.588,550
365	5,082	10,364	2,28	23,630	11.284,010	0,000	0,000	2,28	0,000	23.588,550
+0,04	5,081	10,163	0,02	0,200	11.284,210	0,000	0,000	0,02	0,000	23.588,550
366	7,217	12,298	9,98	122,730	11.406,940	0,000	0,000	9,98	0,000	23.588,550
+13,68	8,303	15,520	6,84	106,160	11.513,100	0,000	0,000	6,84	0,000	23.588,550
+17,80	8,394	16,697	2,06	34,400	11.547,500	0,000	0,000	2,06	0,000	23.588,550
367	8,078	16,472	1,10	18,120	11.565,620	0,000	0,000	1,10	0,000	23.588,550
+1,93	7,823	15,901	0,97	15,340	11.580,960	0,000	0,000	0,97	0,000	23.588,550
368	7,252	15,075	9,03	136,200	11.717,160	0,000	0,000	9,03	0,000	23.588,550
369	7,188	14,440	10,00	144,400	11.861,560	0,000	0,000	10,00	0,000	23.588,550
370	8,300	15,488	10,00	154,880	12.016,440	0,000	0,000	10,00	0,000	23.588,550
+15,01	6,353	14,653	7,51	109,970	12.126,410	0,000	0,000	7,51	0,000	23.588,550
+19,48	6,295	12,648	2,23	28,270	12.154,680	0,000	0,000	2,23	0,000	23.588,550
371	6,265	12,560	0,26	3,270	12.157,950	0,000	0,000	0,26	0,000	23.588,550
+3,95	5,862	12,127	1,97	23,950	12.181,900	0,000	0,000	1,97	0,000	23.588,550
372	4,115	9,977	8,03	80,070	12.261,970	0,000	0,000	8,03	0,000	23.588,550
+12,22	4,680	8,795	6,11	53,740	12.315,710	0,000	0,000	6,11	0,000	23.588,550
RESUMO	Total				12.315,710	Total				23.588,550
	Empolamento30%				3.694,710	Compactação				
	Total - Geral P/ Transporte				16.010,420	Total - Geral				23.588,550