



Prefeitura Municipal de Ananindeua
Secretaria de Saneamento e Infra - Estrutura

ANEXO III

MEMÓRIA TÉCNICA DO SISTEMA VIÁRIO **PROJETO CONJUNTO UIRAPURU**

Setembro/2015

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1. MEMÓRIA TÉCNICA DO SISTEMA VIÁRIO

1.1 Rua SN 4

1.1.1 COORDENADAS

Nome	Descrição	Norte	Este	Cota
B1	EST	9.851.789,456	789.192,858	7,398
B10	EST	9.852.391,162	789.183,553	2,440
B11	EST	9.852.390,700	789.132,335	2,603
B2	EST	9.851.811,135	789.143,742	6,874
B3	EST	9.851.986,479	789.142,143	6,326
B4	EST	9.851.986,983	789.192,627	5,668
B5	EST	9.851.988,684	789.242,078	5,188
B6	EST	9.851.994,693	789.297,029	5,003
B7		9.852.087,512	789.297,725	4,706
B7	EST	9.852.087,512	789.297,725	4,706
B8	EST	9.852.244,049	789.289,842	4,324
B9	EST	9.852.242,883	789.191,635	4,935

1.1.2 TRAÇADO HORIZONTAL

Estaca	Descrição	Progressiva	Norte	Este	Cota	Azimute
0		0,000	9.852.474,359	789.133,578	0,449	88°30'23"
1	PIV1	20,000	9.852.454,366	789.134,099	0,703	88°30'23"
2	PIV2	40,000	9.852.434,373	789.134,621	1,132	88°30'23"
2+5,846	PI1	45,846	9.852.428,529	789.134,773	1,255	89°14'24"
3	PIV3	60,000	9.852.414,375	789.134,780	1,772	89°58'25"
4	PIV4	80,000	9.852.394,375	789.134,789	2,503	89°58'25"
4+7,042	PI2	87,042	9.852.387,333	789.134,792	2,896	89°47'05"
5	PIV5	100,000	9.852.374,375	789.134,883	2,891	89°35'46"
5+17,542	PI3	117,542	9.852.356,833	789.135,007	3,223	89°29'47"
6	PIV6	120,000	9.852.354,375	789.135,033	3,244	89°23'49"
7	PIV7	140,000	9.852.334,377	789.135,243	3,432	89°23'49"
7+17,059	PI4	157,059	9.852.317,319	789.135,423	3,919	89°10'20"
8	PIV8	160,000	9.852.314,378	789.135,477	3,963	88°56'51"
9	PIV9	180,000	9.852.294,381	789.135,844	4,265	88°56'51"
9+16,964	PI5	196,964	9.852.277,420	789.136,156	4,521	89°03'49"
10	PIV10	200,000	9.852.274,385	789.136,199	4,555	89°10'47"
11	PIV11	220,000	9.852.254,387	789.136,486	4,840	89°10'47"
11+16,075	PI6	236,075	9.852.238,313	789.136,716	5,223	89°38'13"
12	PIV12	240,000	9.852.234,388	789.136,710	5,081	90°05'40"
13	PIV13	260,000	9.852.214,388	789.136,677	5,244	90°05'40"
13+18,580	PI7	278,580	9.852.195,808	789.136,646	5,403	89°22'55"
14	PIV14	280,000	9.852.194,389	789.136,679	5,344	88°40'09"
15	PIV15	300,000	9.852.174,394	789.137,143	5,575	88°40'09"
15+18,970	PI8	318,970	9.852.155,429	789.137,584	5,794	89°27'10"
16	PIV16	320,000	9.852.154,399	789.137,580	5,801	90°14'11"
17	PIV17	340,000	9.852.134,399	789.137,497	5,938	90°14'11"
17+18,499	PI9	358,499	9.852.115,901	789.137,421	6,065	89°10'44"
18	PIV18	360,000	9.852.114,400	789.137,470	6,086	88°07'17"
19	PIV19	380,000	9.852.094,411	789.138,126	6,360	88°07'17"
19+4,854	PI10	384,854	9.852.089,560	789.138,285	6,499	89°25'55"
20	PIV20	400,000	9.852.074,415	789.138,089	6,386	90°44'34"
20+10,310	PI11	410,310	9.852.064,106	789.137,955	6,412	89°48'31"
21	PIV21	420,000	9.852.054,418	789.138,145	6,460	88°52'28"
22	PIV22	440,000	9.852.034,422	789.138,538	6,559	88°52'28"
22+3,042	PI12	443,042	9.852.031,380	789.138,598	6,574	88°55'32"
23	PIV23	460,000	9.852.014,425	789.138,901	6,461	88°58'36"
24	PIV24	480,000	9.851.994,428	789.139,258	6,418	88°58'36"
24+4,815	PI13	484,815	9.851.989,614	789.139,344	6,493	89°23'53"
25	PIV25	500,000	9.851.974,429	789.139,392	6,322	89°49'10"
25+10,212	PI14	510,212	9.851.964,217	789.139,424	6,329	89°29'22"
26	PIV26	520,000	9.851.954,430	789.139,568	6,376	89°09'33"
27	PIV27	540,000	9.851.934,432	789.139,861	6,472	89°09'33"
27+4,009	PI15	544,009	9.851.930,424	789.139,920	6,491	89°27'08"
28	PIV28	560,000	9.851.914,433	789.139,991	6,493	89°44'43"
29	PIV29	580,000	9.851.894,433	789.140,080	6,588	89°44'43"
29+2,024	PI16	582,024	9.851.892,409	789.140,089	6,579	89°34'30"
30	PIV30	600,000	9.851.874,434	789.140,276	6,612	89°24'16"
30+7,524	PI17	607,524	9.851.866,910	789.140,354	6,626	89°13'36"
31	PIV31	620,000	9.851.854,436	789.140,561	6,662	89°02'56"
31+19,089	PI18	639,089	9.851.835,350	789.140,878	6,717	89°54'47"
32	PIV32	640,000	9.851.834,439	789.140,866	6,725	90°46'38"
33	PIV33	660,000	9.851.814,441	789.140,594	6,905	90°46'38"
33+5,116	V34	665,116	9.851.809,325	789.140,525	6,924	90°46'38"

1.1.3 TRAÇADO VERTICAL

Estaca	Descrição	Cota	Seção-tipo
0	V0	0,447	S.T.UIRAPURU
1	PIV1	0,697	
2	PIV2	1,138	
2+5,846	PI1	1,313	
3	PIV3	1,738	
4	PIV4	2,500	
4+7,042	PI2	2,654	
5	PIV5	2,937	
5+17,542	PI3	3,212	
6	PIV6	3,251	
7	PIV7	3,452	
7+17,059	PI4	3,894	
8	PIV8	3,970	
9	PIV9	4,280	
9+16,964	PI5	4,512	
10	PIV10	4,553	
11	PIV11	4,856	
11+16,075	PI6	5,142	
12	PIV12	5,212	
13	PIV13	5,274	
13+18,580	PI7	5,404	
14	PIV14	5,414	
15	PIV15	5,599	
15+18,970	PI8	5,844	
16	PIV16	5,857	
17	PIV17	5,968	
17+18,499	PI9	6,112	
18	PIV18	6,124	
19	PIV19	6,369	
19+4,854	PI10	6,385	
20	PIV20	6,436	
20+10,310	PI11	6,470	
21	PIV21	6,502	
22	PIV22	6,569	
22+3,042	PI12	6,563	
23	PIV23	6,529	
24	PIV24	6,509	
24+4,815	PI13	6,476	
25	PIV25	6,373	
25+10,212	PI14	6,373	
26	PIV26	6,373	
27	PIV27	6,471	
27+4,009	PI15	6,483	
28	PIV28	6,529	
29	PIV29	6,568	
29+2,024	PI16	6,574	
30	PIV30	6,626	
30+7,524	PI17	6,634	
31	PIV31	6,646	
31+19,089	PI18	6,739	
32	PIV32	6,743	
33	PIV33	6,899	
33+5,116	V34	6,951	S.T.UIRAPURU

1.1 Rua SN 5

1.1.1 COORDENADAS

Nome	Descrição	Norte	Esté	Cota
B1	EST	9.851.789,456	789.192,858	7,398
B10	EST	9.852.391,162	789.183,553	2,440
B11	EST	9.852.390,700	789.132,335	2,603
B2	EST	9.851.811,135	789.143,742	6,874
B3	EST	9.851.986,479	789.142,143	6,326
B4	EST	9.851.986,983	789.192,627	5,668
B5	EST	9.851.988,684	789.242,078	5,188
B6	EST	9.851.994,693	789.297,029	5,003
B7		9.852.087,512	789.297,725	4,706
B7	EST	9.852.087,512	789.297,725	4,706
B8	EST	9.852.244,049	789.289,842	4,324
B9	EST	9.852.242,883	789.191,635	4,935

1.1.2 TRAÇADO HORIZONTAL

Estaca	Descrição	Progressiva	Norte	Estê	Cota	Azimuth
0		0,000	9.852.468,819	89.186,661	0,523	90°49'16"
1	PIV1	20,000	9.852.448,821	89.186,374	0,874	90°49'16"
1+19,499	PI1	39,499	9.852.429,324	89.186,095	1,156	90°06'57"
2	PIV2	40,000	9.852.428,823	89.186,100	1,173	89°24'39"
3	PIV3	60,000	9.852.408,824	89.186,306	1,847	89°24'39"
4	PIV4	80,000	9.852.388,825	89.186,511	2,544	89°24'39"
4+0,830	PI2	80,830	9.852.387,995	89.186,520	2,580	89°06'55"
5	PIV5	100,000	9.852.368,829	89.186,915	2,759	88°49'12"
6	PIV6	120,000	9.852.348,834	89.187,327	3,091	88°49'12"
6+3,559	PI3	123,559	9.852.345,275	89.187,400	3,150	89°08'27"
7	PIV7	140,000	9.852.328,835	89.187,554	3,452	89°27'42"
7+13,686	PI4	153,686	9.852.315,150	89.187,683	3,704	89°18'34"
8	PIV8	160,000	9.852.308,836	89.187,776	3,792	89°09'26"
9	PIV9	180,000	9.852.288,838	89.188,070	4,069	89°09'26"
9+7,749	PI5	187,749	9.852.281,090	89.188,184	4,177	89°23'38"
10	PIV10	200,000	9.852.268,840	89.188,263	4,454	89°37'51"
11	PIV11	220,000	9.852.248,840	89.188,392	4,905	89°37'51"
11+9,958	PI6	229,958	9.852.238,882	89.188,456	5,085	89°31'37"
12	PIV12	240,000	9.852.228,841	89.188,557	5,041	89°25'22"
13	PIV13	260,000	9.852.208,842	89.188,759	5,170	89°25'22"
13+13,245	PI7	273,245	9.852.195,597	89.188,892	5,256	89°27'39"
14	PIV14	280,000	9.852.188,843	89.188,951	5,329	89°29'56"
15	PIV15	300,000	9.852.168,843	89.189,126	5,547	89°29'56"
15+4,693	PI8	304,693	9.852.164,151	89.189,167	5,598	89°08'41"
16	PIV16	320,000	9.852.148,847	89.189,490	5,720	88°47'25"
16+17,094	PI9	337,094	9.852.131,757	89.189,851	5,856	89°17'45"
17	PIV17	340,000	9.852.128,851	89.189,861	5,875	89°48'04"
18	PIV18	360,000	9.852.108,851	89.189,931	6,008	89°48'04"
18+3,009	PI10	363,009	9.852.105,842	89.189,941	6,028	89°29'11"
18+18,784	PI11	378,784	9.852.090,069	89.190,169	6,211	89°22'45"
19	PIV19	380,000	9.852.088,853	89.190,178	6,170	89°35'12"
20	PIV20	400,000	9.852.068,853	89.190,322	6,046	89°35'12"
21	PIV21	420,000	9.852.048,854	89.190,466	5,945	89°35'12"
21+7,842	PI12	427,842	9.852.041,012	89.190,523	5,896	89°35'37"
22	PIV22	440,000	9.852.028,854	89.190,608	5,830	89°36'02"
23	PIV23	460,000	9.852.008,855	89.190,747	5,723	89°36'02"
23+18,778	PI13	478,778	9.851.990,077	89.190,878	5,713	89°34'43"
24	PIV24	480,000	9.851.988,855	89.190,887	5,703	89°33'24"
25	PIV25	500,000	9.851.968,856	89.191,042	5,557	89°33'24"
26	PIV27	520,000	9.851.948,856	89.191,197	5,523	89°33'24"
26+2,469	PI14	522,469	9.851.946,387	89.191,216	5,552	89°45'34"
27		540,000	9.851.928,856	89.191,228	5,572	89°57'44"
27+12,803	PI15	552,803	9.851.916,053	89.191,236	5,586	89°35'03"
28	PIV28	560,000	9.851.908,857	89.191,336	5,650	89°12'23"
29	PIV29	580,000	9.851.888,859	89.191,613	5,871	89°12'23"
29+18,216	V30	598,216	9.851.870,645	89.191,865	6,214	89°12'23"

1.1.3 TRAÇADO VERTICAL

Estaca	Descrição	Cota	Seção-tipo
0	V0	0,527	S.T.UIRAPURU
1	PIV1	0,864	
1+19,499	PI1	1,194	
2	PIV2	1,202	
3	PIV3	1,784	
4	PIV4	2,534	
4+0,830	PI2	2,546	
5	PIV5	2,819	
6	PIV6	3,120	
6+3,559	PI3	3,183	
7	PIV7	3,476	
7+13,686	PI4	3,707	
8	PIV8	3,813	
9	PIV9	4,097	
9+7,749	PI5	4,242	
10	PIV10	4,470	
11	PIV11	4,932	
11+9,958	PI6	5,020	
12	PIV12	5,109	
13	PIV13	5,216	
13+13,245	PI7	5,322	
14	PIV14	5,376	
15	PIV15	5,553	
15+4,693	PI8	5,595	
16	PIV16	5,731	
16+17,094	PI9	5,852	
17	PIV17	5,873	
18	PIV18	6,033	
18+3,009	PI10	6,049	
18+18,784	PI11	6,133	
19	PIV19	6,139	
20	PIV20	5,997	
21	PIV21	5,890	
21+7,842	PI12	5,859	
22	PIV22	5,810	
23	PIV23	5,700	
23+18,778	PI13	5,695	
24	PIV24	5,695	
25	PIV25	5,535	
26	PIV27	5,535	
26+2,469	PI14	5,543	
27		5,598	
27+12,803	PI15	5,638	
28	PIV28	5,660	
29	PIV29	5,908	
29+18,216	V30	6,242	S.T.UIRAPURU

1.2 Rua SN 6

1.2.1 COORDENADAS

Nome	Descrição	Norte	Estê	Cota
B1	EST	9.851.789,456	789.192,858	7,398
B10	EST	9.852.391,162	789.183,553	2,440
B11	EST	9.852.390,700	789.132,335	2,603
B2	EST	9.851.811,135	789.143,742	6,874
B3	EST	9.851.986,479	789.142,143	6,326
B4	EST	9.851.986,983	789.192,627	5,668
B5	EST	9.851.988,684	789.242,078	5,188
B6	EST	9.851.994,693	789.297,029	5,003
B7		9.852.087,512	789.297,725	4,706
B7	EST	9.852.087,512	789.297,725	4,706
B8	EST	9.852.244,049	789.289,842	4,324
B9	EST	9.852.242,883	789.191,635	4,935

1.2.2 TRAÇADO HORIZONTAL

Estaca	Descrição	Progressiva	Norte	Este	Cota	Azimuth
0		0,000	9.852.463,539	789.238,669	0,636	90°11'35"
1	PIV1	20,000	9.852.443,539	789.238,602	0,878	90°11'35"
1+10,292	PI1	30,292	9.852.433,247	789.238,567	1,173	89°54'09"
2	PIV2	40,000	9.852.423,539	789.238,633	1,447	89°36'43"
3	PIV3	60,000	9.852.403,540	789.238,768	2,011	89°36'43"
3+15,026	PI2	75,026	9.852.388,514	789.238,870	2,542	89°28'39"
4	PIV4	80,000	9.852.383,541	789.238,927	2,514	89°20'36"
5	PIV5	100,000	9.852.363,542	789.239,156	2,739	89°20'36"
5+6,171	PI3	106,171	9.852.357,371	789.239,227	2,809	89°22'39"
6	PIV6	120,000	9.852.343,543	789.239,369	3,067	89°24'42"
7	PIV7	140,000	9.852.323,544	789.239,574	3,440	89°24'42"
7+3,178	PI4	143,178	9.852.320,366	789.239,607	3,499	89°18'39"
8	PIV8	160,000	9.852.303,546	789.239,839	3,735	89°12'36"
9	PIV9	180,000	9.852.283,548	789.240,115	4,015	89°12'36"
9+3,869	PI5	183,869	9.852.279,679	789.240,168	4,069	89°27'24"
10	PIV10	200,000	9.852.263,548	789.240,252	4,316	89°42'12"
11	PIV11	220,000	9.852.243,549	789.240,355	4,622	89°42'12"
11+4,041	PI6	224,041	9.852.239,508	789.240,376	4,653	89°18'12"
12	PIV12	240,000	9.852.223,552	789.240,681	4,704	88°54'12"
12+15,910	PI7	255,910	9.852.207,644	789.240,986	4,838	89°23'17"
13	PIV13	260,000	9.852.203,554	789.240,995	4,826	89°52'22"
14	PIV14	280,000	9.852.183,554	789.241,040	5,081	89°52'22"
14+13,717	PI8	293,717	9.852.169,838	789.241,070	5,255	89°29'29"
15	PIV15	300,000	9.852.163,555	789.241,168	5,243	89°06'37"
16	PIV16	320,000	9.852.143,558	789.241,478	5,204	89°06'37"
16+12,101	PI9	332,101	9.852.131,458	789.241,666	5,181	89°20'16"
17	PIV17	340,000	9.852.123,559	789.241,726	5,193	89°33'54"
18	PIV18	360,000	9.852.103,560	789.241,878	5,223	89°33'54"
18+12,807	PI10	372,807	9.852.090,753	789.241,975	5,344	90°01'32"
19	PIV19	380,000	9.852.083,561	789.241,914	5,281	90°29'10"
19+16,739	PI11	396,739	9.852.066,822	789.241,772	5,248	89°51'01"
20	PIV20	400,000	9.852.063,562	789.241,817	5,238	89°12'52"
21	PIV21	420,000	9.852.043,563	789.242,091	5,178	89°12'52"
21+13,355	PI12	433,355	9.852.030,210	789.242,274	5,229	89°20'45"
22	PIV22	440,000	9.852.023,565	789.242,335	5,219	89°28'39"
23	PIV23	460,000	9.852.003,566	789.242,517	5,189	89°28'39"
23+12,828	V24	472,828	9.851.990,738	789.242,634	5,259	89°28'39"

1.2.3 TRAÇADO VERTICAL

Estaca	Descrição	Cota	Seção-tipo
0	V0	0,638	S.T.UIRAPURU
1	PIV1	0,894	
1+10,292	PI1	1,180	
2	PIV2	1,449	
3	PIV3	2,026	
3+15,026	PI2	2,423	
4	PIV4	2,555	
5	PIV5	2,767	
5+6,171	PI3	2,870	
6	PIV6	3,100	
7	PIV7	3,478	
7+3,178	PI4	3,524	
8	PIV8	3,766	
9	PIV9	4,044	
9+3,869	PI5	4,099	
10	PIV10	4,330	
11	PIV11	4,638	
11+4,041	PI6	4,658	
12	PIV12	4,736	
12+15,910	PI7	4,843	
13	PIV13	4,871	
14	PIV14	5,106	
14+13,717	PI8	5,211	
15	PIV15	5,259	
16	PIV16	5,217	
16+12,101	PI9	5,227	
17	PIV17	5,234	
18	PIV18	5,268	
18+12,807	PI10	5,300	
19	PIV19	5,318	
19+16,739	PI11	5,262	
20	PIV20	5,251	
21	PIV21	5,200	
21+13,355	PI12	5,223	
22	PIV22	5,234	
23	PIV23	5,217	
23+12,828	V24	5,245	S.T.UIRAPURU