



ESTACA	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
COTA DO TERRENO NATURAL(m)	348.00	347.10	346.00	345.10	344.20	343.30	342.40	341.50	340.60	339.70	338.80	337.90	337.00	336.10	335.20	334.30	333.40	332.50	331.60	330.70	329.80	328.90	328.00	327.10	326.20	325.30	324.40	323.50	322.60	321.70	320.80	319.90	319.00	318.10	317.20	316.30	315.40	314.50	313.60	312.70	311.80	310.90	310.00	309.10	308.20	307.30	306.40	305.50	304.60	303.70	302.80	301.90	301.00	300.10	299.20	298.30	297.40	296.50	295.60	294.70	293.80	292.90	292.00	291.10	290.20	289.30	288.40	287.50	286.60	285.70	284.80	283.90	283.00	282.10	281.20	280.30	279.40	278.50	277.60	276.70	275.80	274.90	274.00	273.10	272.20	271.30	270.40	269.50	268.60	267.70	266.80	265.90	265.00	264.10	263.20	262.30	261.40	260.50	259.60	258.70	257.80	256.90	256.00	255.10	254.20	253.30	252.40	251.50	250.60	249.70	248.80	247.90	247.00	246.10	245.20	244.30	243.40	242.50	241.60	240.70	239.80	238.90	238.00	237.10	236.20	235.30	234.40	233.50	232.60	231.70	230.80	229.90	229.00	228.10	227.20	226.30	225.40	224.50	223.60	222.70	221.80	220.90	220.00	219.10	218.20	217.30	216.40	215.50	214.60	213.70	212.80	211.90	211.00	210.10	209.20	208.30	207.40	206.50	205.60	204.70	203.80	202.90	202.00	201.10	200.20	199.30	198.40	197.50	196.60	195.70	194.80	193.90	193.00	192.10	191.20	190.30	189.40	188.50	187.60	186.70	185.80	184.90	184.00	183.10	182.20	181.30	180.40	179.50	178.60	177.70	176.80	175.90	175.00	174.10	173.20	172.30	171.40	170.50	169.60	168.70	167.80	166.90	166.00	165.10	164.20	163.30	162.40	161.50	160.60	159.70	158.80	157.90	157.00	156.10	155.20	154.30	153.40	152.50	151.60	150.70	149.80	148.90	148.00	147.10	146.20	145.30	144.40	143.50	142.60	141.70	140.80	139.90	139.00	138.10	137.20	136.30	135.40	134.50	133.60	132.70	131.80	130.90	130.00	129.10	128.20	127.30	126.40	125.50	124.60	123.70	122.80	121.90	121.00	120.10	119.20	118.30	117.40	116.50	115.60	114.70	113.80	112.90	112.00	111.10	110.20	109.30	108.40	107.50	106.60	105.70	104.80	103.90	103.00	102.10	101.20	100.30	99.40	98.50	97.60	96.70	95.80	94.90	94.00	93.10	92.20	91.30	90.40	89.50	88.60	87.70	86.80	85.90	85.00	84.10	83.20	82.30	81.40	80.50	79.60	78.70	77.80	76.90	76.00	75.10	74.20	73.30	72.40	71.50	70.60	69.70	68.80	67.90	67.00	66.10	65.20	64.30	63.40	62.50	61.60	60.70	59.80	58.90	58.00	57.10	56.20	55.30	54.40	53.50	52.60	51.70	50.80	49.90	49.00	48.10	47.20	46.30	45.40	44.50	43.60	42.70	41.80	40.90	40.00	39.10	38.20	37.30	36.40	35.50	34.60	33.70	32.80	31.90	31.00	30.10	29.20	28.30	27.40	26.50	25.60	24.70	23.80	22.90	22.00	21.10	20.20	19.30	18.40	17.50	16.60	15.70	14.80	13.90	13.00	12.10	11.20	10.30	9.40	8.50	7.60	6.70	5.80	4.90	4.00	3.10	2.20	1.30	0.40	-0.50	-1.40	-2.30	-3.20	-4.10	-5.00	-5.90	-6.80	-7.70	-8.60	-9.50	-10.40	-11.30	-12.20	-13.10	-14.00	-14.90	-15.80	-16.70	-17.60	-18.50	-19.40	-20.30	-21.20	-22.10	-23.00	-23.90	-24.80	-25.70	-26.60	-27.50	-28.40	-29.30	-30.20	-31.10	-32.00	-32.90	-33.80	-34.70	-35.60	-36.50	-37.40	-38.30	-39.20	-40.10	-41.00	-41.90	-42.80	-43.70	-44.60	-45.50	-46.40	-47.30	-48.20	-49.10	-50.00	-50.90	-51.80	-52.70	-53.60	-54.50	-55.40	-56.30	-57.20	-58.10	-59.00	-59.90	-60.80	-61.70	-62.60	-63.50	-64.40	-65.30	-66.20	-67.10	-68.00	-68.90	-69.80	-70.70	-71.60	-72.50	-73.40	-74.30	-75.20	-76.10	-77.00	-77.90	-78.80	-79.70	-80.60	-81.50	-82.40	-83.30	-84.20	-85.10	-86.00	-86.90	-87.80	-88.70	-89.60	-90.50	-91.40	-92.30	-93.20	-94.10	-95.00	-95.90	-96.80	-97.70	-98.60	-99.50	-100.40	-101.30	-102.20	-103.10	-104.00	-104.90	-105.80	-106.70	-107.60	-108.50	-109.40	-110.30	-111.20	-112.10	-113.00	-113.90	-114.80	-115.70	-116.60	-117.50	-118.40	-119.30	-120.20	-121.10	-122.00	-122.90	-123.80	-124.70	-125.60	-126.50	-127.40	-128.30	-129.20	-130.10	-131.00	-131.90	-132.80	-133.70	-134.60	-135.50	-136.40	-137.30	-138.20	-139.10	-140.00	-140.90	-141.80	-142.70	-143.60	-144.50	-145.40	-146.30	-147.20	-148.10	-149.00	-149.90	-150.80	-151.70	-152.60	-153.50	-154.40	-155.30	-156.20	-157.10	-158.00	-158.90	-159.80	-160.70	-161.60	-162.50	-163.40	-164.30	-165.20	-166.10	-167.00	-167.90	-168.80	-169.70	-170.60	-171.50	-172.40	-173.30	-174.20	-175.10	-176.00	-176.90	-177.80	-178.70	-179.60	-180.50	-181.40	-182.30	-183.20	-184.10	-185.00	-185.90	-186.80	-187.70	-188.60	-189.50	-190.40	-191.30	-192.20	-193.10	-194.00	-194.90	-195.80	-196.70	-197.60	-198.50	-199.40	-200.30	-201.20	-202.10	-203.00	-203.90	-204.80	-205.70	-206.60	-207.50	-208.40	-209.30	-210.20	-211.10	-212.00	-212.90	-213.80	-214.70	-215.60	-216.50	-217.40	-218.30	-219.20	-220.10	-221.00	-221.90	-222.80	-223.70	-224.60	-225.50	-226.40	-227.30	-228.20	-229.10	-230.00	-230.90	-231.80	-232.70	-233.60	-234.50	-235.40	-236.30	-237.20	-238.10	-239.00	-239.90	-240.80	-241.70	-242.60	-243.50	-244.40	-245.30	-246.20	-247.10	-248.00	-248.90	-249.80	-250.70	-251.60	-252.50	-253.40	-254.30	-255.20	-256.10	-257.00	-257.90	-258.80	-259.70	-260.60	-261.50	-262.40	-263.30	-264.20	-265.10	-266.00	-266.90	-267.80	-268.70	-269.60	-270.50	-271.40	-272.30	-273.20	-274.10	-275.00	-275.90	-276.80	-277.70	-278.60	-279.50	-280.40	-281.30	-282.20	-283.10	-284.00	-284.90	-285.80	-286.70	-287.60	-288.50	-289.40	-290.30	-291.20	-292.10	-293.00	-293.90	-294.80	-295.70	-296.60	-297.50	-298.40	-299.30	-300.20	-301.10	-302.00	-302.90	-303.80	-304.70	-305.60	-306.50	-307.40	-308.30	-309.20	-310.10	-311.00	-311.90	-312.80	-313.70	-314.60	-315.50	-316.40	-317.30	-318.20	-319.10	-320.00	-320.90	-321.80	-322.70	-323.60	-324.50	-325.40	-326.30	-327.20	-328.10	-329.00	-329.90	-330.80	-331.70	-332.60	-333.50	-334.40	-335.30	-336.20	-337.10	-338.00	-338.90	-339.80	-340.70	-341.60	-342.50	-343.40	-344.30	-345.20	-346.10	-347.00	-347.90	-348.80	-349.70	-350.60	-351.50	-352.40	-353.30	-354.20	-355.10	-356.00	-356.90	-357.80	-358.70	-359.60	-360.50	-361.40	-362.30	-363.20	-364.10	-365.00	-365.90	-366.80	-367.70	-368.60	-369.50	-370.40	-371.30	-372.20	-373.10	-374.00	-374.90	-375.80	-376.70	-377.60	-378.50	-379.40	-380.30	-381.20	-382.10	-383.00	-383.90	-384.80	-385.70	-386.60	-387.50	-388.40	-389.30	-390.20	-391.10	-392.00	-392.90	-393.80	-394.70	-395.60	-396.50	-397.40	-398.30	-399.20	-400.10	-401.00	-401.90	-402.80	-403.70	-404.60	-405.50	-406.40	-407.30	-408.20	-409.10	-410.00	-410.90	-411.80	-412.70	-413.60	-414.50	-415.40	-416.30	-417.20	-418.10	-419.00	-419.90	-420.80	-421.70	-422.60	-423.50	-424.40	-425.30	-426.20	-427.10	-428.00	-428.90	-429.80	-430.70	-431.60	-432.50	-433.40	-434.30	-435.20	-436.10	-437.00	-437.90	-438.80	-439.70	-440.60	-441.50	-442.40	-443.30	-444.20	-445.10	-446.00	-446.90	-447.80	-448.70	-449.60	-450.50	-451.40	-452.30	-453.20	-454.10	-455.00	-455.90	-456.80	-457.70	-458.60	-459.50	-460.40	-461.30	-462.20	-463.10	-464.00	-464.90	-465.80	-466.70	-467.60	-468.50	-469.40	-470.30	-471.20	-472.10	-473.00	-473.90	-474.80	-475.70	-476.60	-477.50	-478.40	-479.30	-480.20	-481.10	-482.00	-482.90	-483.80	-484.70	-485.60	-486.50	-487.40	-488.30	-489.20	-490.10	-491.00	-491.90	-492.80	-493.70	-494.60	-495.50	-496.40	-497.30	-498.20	-499.10	-500.00	-500.90	-501.80	-502.70	-503.60	-504.50	-505.40	-506.30	-507.20	-508.10	-509.00	-509.90	-510.80	-511.70	-512.60	-513.50	-514.40	-515.30	-516.20	-517.10	-518.00	-518.90	-519.80	-520.70	-521.60	-522.50	-523.40	-524.30	-525.20	-526.10	-527.00	-527.90	-528.80	-529.70	-530.60	-531.50	-532.40	-533.30	-534.20	-535.10	-536.00	-536.90	-537.80	-538.70	-539.60	-540.50	-541.40	-542.30	-543.20	-544.10	-545.00	-545.90	-546.80	-547.70	-548.60	-549.50	-550.40	-551.30	-552.20	-553.10	-554.00	-554.90	-555.80	-556.70	-557.60	-558.50	-559.40	-560.30	-561.20	-562.10	-563.00	-563.90	-564.80	-565.70	-566.60	-567.50	-568.40	-569.30	-570.20	-571.10	-572.00	-572.90	-573.80	-574.70	-575.60	-576.50	-577.40	-578.30	-579.20	-580.10	-581.00	-581.90	-582.80	-583.70	-584.60	-585.50	-586.40	-587.30	-588.20	-589.10	-590.00	-590.90	-591.80	-592.70	-593.60	-594.50	-595.40	-596.30	-597.20	-598.10	-599.00	-600.00
COTA DA GERATRIZ INFERIOR DO TUBO(m)	348.00	347.10	346.00	345.10	344.20	343.30	342.40	341.50	340.60	339.70	338.80	337.90	337.00	336.10	335.20	334.30	333.40	332.50	331.60	330.70	329.80	328.90	328.00	327.10	326.20	325.30	324.40	323.50	322.60	321.70	320.80	319.90	319.00	318.10	317.20	316.30	315.40	314.50	313.60	312.70	311.80	310.90																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				