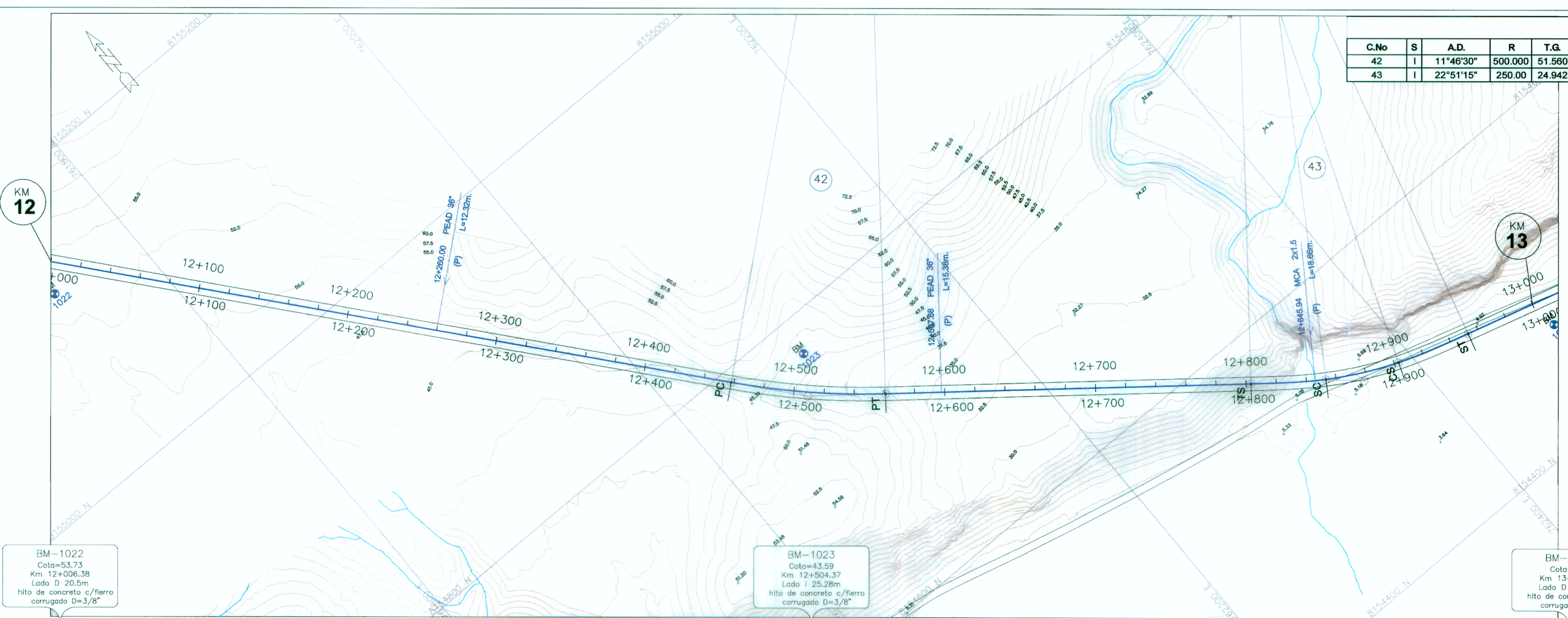


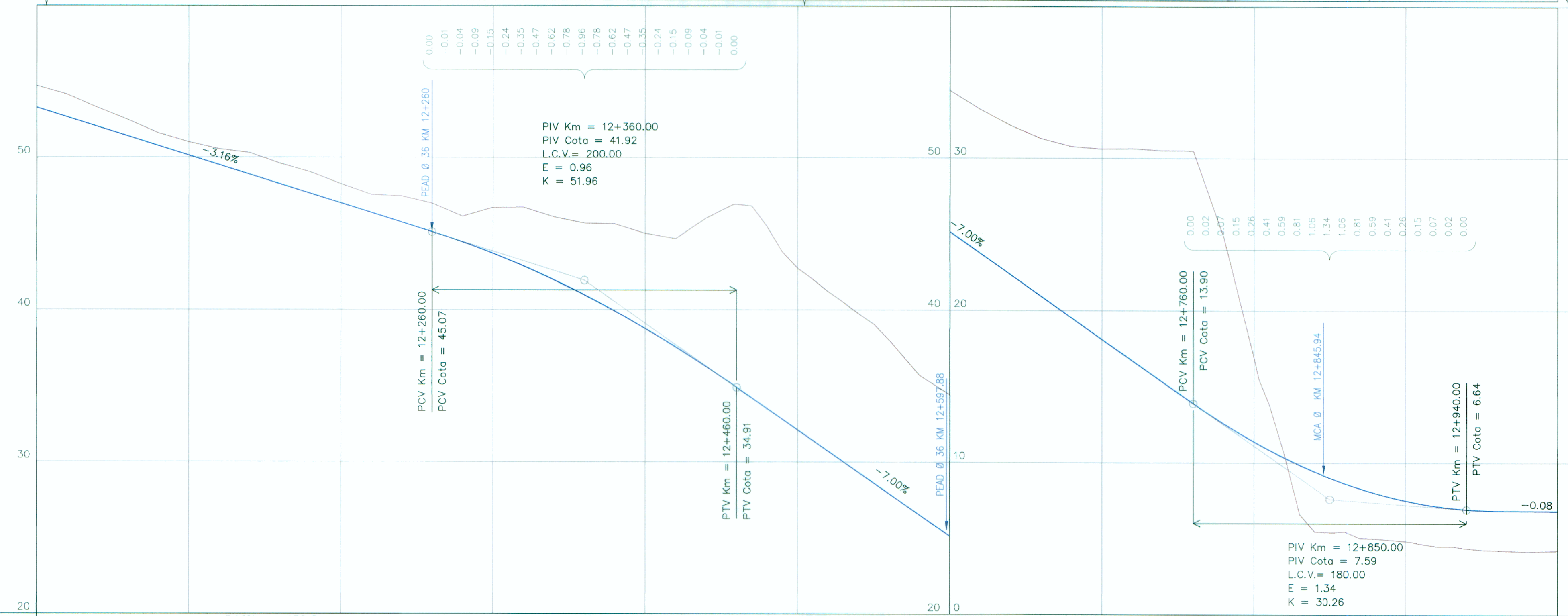
ELEMENTOS DE CURVAS HORIZONTALES

C.No	S	A.D.	R	T.G.	L.C.	Lsp e	TS	SC ÷ PC	PI	CS ÷ PT	ST	Laps	S.A.	P %	NORTE	ESTE
42	I	11°46'30"	500.000	51.560	102.757	50.000	12+803.244	12+458.042	12+509.602	12+560.799	12+952.964	50.000	0.4	5.0	8154752.433	762075.216
43	I	22°51'15"	250.000	24.942	49.720	50.000	12+803.244	12+853.244	12+878.852	12+902.964	12+952.964	50.000	0.7	7.0	8154523.631	762365.497

ESCALA
H : 1/2000



ESCALA
H : 1/2000
V : 1/200



PENDIENTE	-3.16% en 480.0 m										-7.00% en 490.0 m										-0.08% en 296.6 m																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
COTA DE SUBRASANTE	53.28	52.96	52.64	52.33	52.01	51.70	51.38	51.07	50.75	50.44	50.12	49.80	49.49	49.17	48.86	48.54	48.23	47.91	47.60	47.28	46.96	46.65	46.33	46.02	45.70	45.39	45.07	44.75	44.44	44.12	43.81	43.50	43.18	42.87	42.55	42.24	41.92	41.61	41.29	40.98	40.66	40.35	40.03	39.72	39.40	39.09	38.77	38.46	38.14	37.83	37.51	37.20	36.88	36.57	36.25	35.94	35.62	35.31	35.00	34.68	34.37	34.05	33.74	33.42	33.11	32.79	32.48	32.16	31.85	31.53	31.22	30.90	30.59	30.27	29.96	29.64	29.33	29.01	28.70	28.38	28.07	27.75	27.44	27.12	26.81	26.49	26.18	25.86	25.55	25.23	24.92	24.60	24.29	23.97	23.66	23.34	23.03	22.71	22.40	22.08	21.77	21.45	21.14	20.82	20.51	20.19	19.88	19.56	19.25	18.93	18.62	18.30	17.99	17.67	17.36	17.04	16.73	16.41	16.10	15.78	15.47	15.15	14.84	14.52	14.21	13.89	13.58	13.26	12.95	12.63	12.32	12.00	11.69	11.37	11.06	10.74	10.43	10.11	9.80	9.48	9.17	8.85	8.54	8.22	7.91	7.59	7.28	6.96	6.65	6.33	6.02	5.70	5.39	5.07	4.75	4.44	4.12	3.81	3.49	3.18	2.86	2.55	2.23	1.92	1.60	1.29	0.97	0.66	0.34	0.03	-0.29	-0.57	-0.85	-1.14	-1.42	-1.70	-1.99	-2.27	-2.56	-2.84	-3.12	-3.41	-3.69	-3.97	-4.26	-4.54	-4.82	-5.11	-5.39	-5.67	-5.96	-6.24	-6.52	-6.81	-7.09	-7.37	-7.66	-7.94	-8.22	-8.51	-8.79	-9.07	-9.36	-9.64	-9.93	-10.21	-10.50	-10.78	-11.06	-11.35	-11.63	-11.91	-12.20	-12.48	-12.76	-13.05	-13.33	-13.61	-13.90	-14.18	-14.46	-14.75	-15.03	-15.31	-15.60	-15.88	-16.16	-16.45	-16.73	-17.01	-17.30	-17.58	-17.86	-18.15	-18.43	-18.71	-19.00	-19.28	-19.56	-19.85	-20.13	-20.41	-20.70	-20.98	-21.26	-21.55	-21.83	-22.11	-22.40	-22.68	-22.96	-23.25	-23.53	-23.81	-24.10	-24.38	-24.66	-24.95	-25.23	-25.51	-25.80	-26.08	-26.36	-26.65	-26.93	-27.21	-27.50	-27.78	-28.06	-28.35	-28.63	-28.91	-29.20	-29.48	-29.76	-30.05	-30.33	-30.61	-30.90	-31.18	-31.46	-31.75	-32.03	-32.31	-32.60	-32.88	-33.16	-33.45	-33.73	-34.01	-34.30	-34.58	-34.86	-35.15	-35.43	-35.71	-36.00	-36.28	-36.56	-36.85	-37.13	-37.41	-37.70	-37.98	-38.26	-38.55	-38.83	-39.11	-39.40	-39.68	-39.96	-40.25	-40.53	-40.81	-41.10	-41.38	-41.66	-41.95	-42.23	-42.51	-42.80	-43.08	-43.36	-43.65	-43.93	-44.21	-44.50	-44.78	-45.06	-45.35	-45.63	-45.91	-46.20	-46.48	-46.76	-47.05	-47.33	-47.61	-47.90	-48.18	-48.46	-48.75	-49.03	-49.31	-49.60	-49.88	-50.16	-50.45	-50.73	-51.01	-51.30	-51.58	-51.86	-52.15	-52.43	-52.71	-53.00	-53.28	-53.56	-53.85	-54.13	-54.41	-54.70	-54.98	-55.26	-55.55	-55.83	-56.11	-56.40	-56.68	-56.96	-57.25	-57.53	-57.81	-58.10	-58.38	-58.66	-58.95	-59.23	-59.51	-59.80	-60.08	-60.36	-60.65	-60.93	-61.21	-61.50	-61.78	-62.06	-62.35	-62.63	-62.91	-63.20	-63.48	-63.76	-64.05	-64.33	-64.61	-64.90	-65.18	-65.46	-65.75	-66.03	-66.31	-66.60	-66.88	-67.16	-67.45	-67.73	-68.01	-68.30	-68.58	-68.86	-69.15	-69.43	-69.71	-70.00	-70.28	-70.56	-70.85	-71.13	-71.41	-71.70	-71.98	-72.26	-72.55	-72.83	-73.11	-73.40	-73.68	-73.96	-74.25	-74.53	-74.81	-75.10	-75.38	-75.66	-75.95	-76.23	-76.51	-76.80	-77.08	-77.36	-77.65	-77.93	-78.21	-78.50	-78.78	-79.06	-79.35	-79.63	-79.91	-80.20	-80.48	-80.76	-81.05	-81.33	-81.61	-81.90	-82.18	-82.46	-82.75	-83.03	-83.31	-83.60	-83.88	-84.16	-84.45	-84.73	-85.01	-85.30	-85.58	-85.86	-86.15	-86.43	-86.71	-87.00	-87.28	-87.56	-87.85	-88.13	-88.41	-88.70	-88.98	-89.26	-89.55	-89.83	-90.11	-90.40	-90.68	-90.96	-91.25	-91.53	-91.81	-92.10	-92.38	-92.66	-92.95	-93.23	-93.51	-93.80	-94.08	-94.36	-94.65	-94.93	-95.21	-95.50	-95.78	-96.06	-96.35	-96.63	-96.91	-97.20	-97.48	-97.76	-98.05	-98.33	-98.61	-98.90	-99.18	-99.46	-99.75	-100.03	-100.31	-100.60	-100.88	-101.16	-101.45	-101.73	-102.01	-102.30	-102.58	-102.86	-103.15	-103.43	-103.71	-104.00	-104.28	-104.56	-104.85	-105.13	-105.41	-105.70	-105.98	-106.26	-106.55	-106.83	-107.11	-107.40	-107.68	-107.96	-108.25	-108.53	-108.81	-109.10	-109.38	-109.66	-109.95	-110.23	-110.51	-110.80	-111.08	-111.36	-111.65	-111.93	-112.21	-112.50	-112.78	-113.06	-113.35	-113.63	-113.91	-114.20	-114.48	-114.76	-115.05	-115.33	-115.61	-115.90	-116.18	-116.46	-116.75	-117.03	-117.31	-117.60	-117.88	-118.16	-118.45	-118.73	-119.01	-119.30	-119.58	-119.86	-120.15	-120.43	-120.71	-121.00	-121.28	-121.56	-121.85	-122.13	-122.41	-122.70	-122.98	-123.26	-123.55	-123.83	-124.11	-124.40	-124.68	-124.96	-125.25	-125.53	-125.81	-126.10	-126.38	-126.66	-126.95	-127.23	-127.51	-127.80	-128.08	-128.36	-128.65	-128.93	-129.21	-129.50	-129.78	-130.06	-130.35	-130.63	-130.91	-131.20	-131.48	-131.76	-132.05	-132.33	-132.61	-132.90	-133.18	-133.46	-133.75	-134.03	-134.31	-134.60	-134.88	-135.16	-135.45	-135.73	-136.01	-136.30	-136.58	-136.86	-137.15	-137.43	-137.71	-138.00	-138.28	-138.56	-138.85	-139.13	-139.41	-139.70	-140.00	-140.28	-140.56	-140.85	-141.13	-141.41	-141.70	-141.98	-142.26	-142.55	-142.83	-143.11	-143.40	-143.68	-143.96	-144.25	-144.53	-144.81	-145.10	-145.38	-145.66	-145.95	-146.23	-146.51	-146.80	-147.08	-147.36	-147.65	-147.93	-148.21	-148.50	-148.78	-149.06	-149.35	-149.63	-149.91	-150.20	-150.48	-150.76	-151.05	-151.33	-151.61	-151.90	-152.18	-152.46	-152.75	-153.03	-153.31	-153.60	-153.88	-154.16	-154.45	-154.73	-155.01	-155.30	-155.58	-155.86	-156.15	-156.43	-156.71	-157.00	-157.28	-157.56	-157.85	-158.13	-158.41	-158.70	-158.98	-159.26	-159.55	-159.83	-160.11	-160.40	-160.68	-160.96	-161.25	-161.53	-161.81	-162.10	-162.38	-162.66	-162.95	-163.23	-163.51	-163.80	-164.08	-164.36	-164.65	-164.93	-165.21	-165.50	-165.78	-166.06	-166.35	-166.63	-166.91	-167.20	-167.48	-167.76	-168.05	-168.33	-168.61	-168.90	-169.18	-169.46	-169.75	-170.03	-170.31	-170.60	-170.88	-171.16	-171.45	-171.73	-172.01	-172.30	-172.58	-172.86	-173.15	-173.43	-173.71	-174.00	-174.28	-174.56	-174.85	-175.13	-175.41	-175.70	-175.98	-176.26	-176.55	-176.83	-177.11	-177.40	-177.68	-177.96	-178.25	-178.53	-178.81	-179.10	-179.38	-179.66	-179.95	-180.23	-180.51	-180.80	-181.08	-181.36	-181.65	-181.93	-182.21	-182.50	-182.78	-183.06	-183.35	-183.63	-183.91	-184.20	-184.48	-184.76	-185.05	-185.33	-185.61	-185.90	-186.18	-186.46	-186.75	-187.03	-187.31	-187.60	-187.88	-188.16	-188.45	-188.73	-189.01	-189.30	-189.58	-189.86	-190.15	-190.43	-190.71	-191.00	-191.28	-191.56	-191.85	-192.13	-192.41	-192.70	-192.98	-193.26	-193.55	-193.83	-194.11	-194.40	-194.68	-194.96	-195.25	-195.53	-195.81	-196.10	-196.38	-196.66	-196.95	-197.23	-197.51	-197.80	-198.08	-198.36	-198.65	-198.93	-199.21	-199.50	-199.78	-200.06	-200.35	-200.63	-200.91	-201.20	-201.48	-201.76	-202.05	-202.33	-202.61	-202.90	-203.18	-203.46	-203.75	-204.03	-204.31	-204.60	-204.88	-205.16	-205.45	-205.73	-206.01	-206.30	-206.58	-206.86	-207.15	-207.43	-207.71	-208.00	-208.28	-208.56	-208.85	-209.13	-209.41	-209.70	-210.00	-210.28	-210.56	-210.85	-211.13	-211.41	-211.70	-211.98	-212.26	-212.55	-212.83	-213.11	-213.40	-213.68	-213.96	-214.25	-214.53	-214.81	-215.10	-215.38	-215.66	-215.95	-216.23	-216.51	-216.80	-217.08	-217.36	-217.65	-217.93	-218.21	-218.50	-218.78	-219.06	-219.35	-219.63	-219.91	-220.20	-220.48	-220.76	-221.05	-221.33	-221.61	-221.90	-222.18	-222.46	-222.75	-223.03	-223.31	-223.60	-223.88	-224.16	-224.45	-224.73	-225.01	-225.30	-225.58	-225.86	-226.15	-226.43	-226.71	-227.00	-227.28	-227.56	-227.85	-228.13	-228.41	-228.70	-228.98	-229.26	-229.55	-229.83	-230.11	-230.40	-230.68	-230.96	-231.25	-231.53	-231.81	-232.10	-232.38	-232.66	-232.95	-233.23	-233.51	-233.80	-234.08	-234.36	-234.65	-234.93	-235.21	-235.50	-235.78	-236.06	-236.35	-236.63	-236.91	-237.20	-237.48	-237.76	-238.05	-238.33	-238.61	-238.90	-239.18	-239.46	-239.75	-240.03	-240.31	-240.60	-240.88	-241.16	-241.45	-241.73	-242.01	-242.30	-242.58	-242.86	-243.15	-243.43	-243.71	-244.00	-244.28	-244.56	-244.85	-245.13	-245.41	-245.70	-245.98	-246.26	-246.55	-246.83	-247.11	-247.40	-247.68	-247.96	-248.25	-248.53	-248.81	-249.10	-249.38	-249.66	-249.95	-250.23	-250.51	-250.80	-251.08	-251.36	-251.65	-251.93	-252.