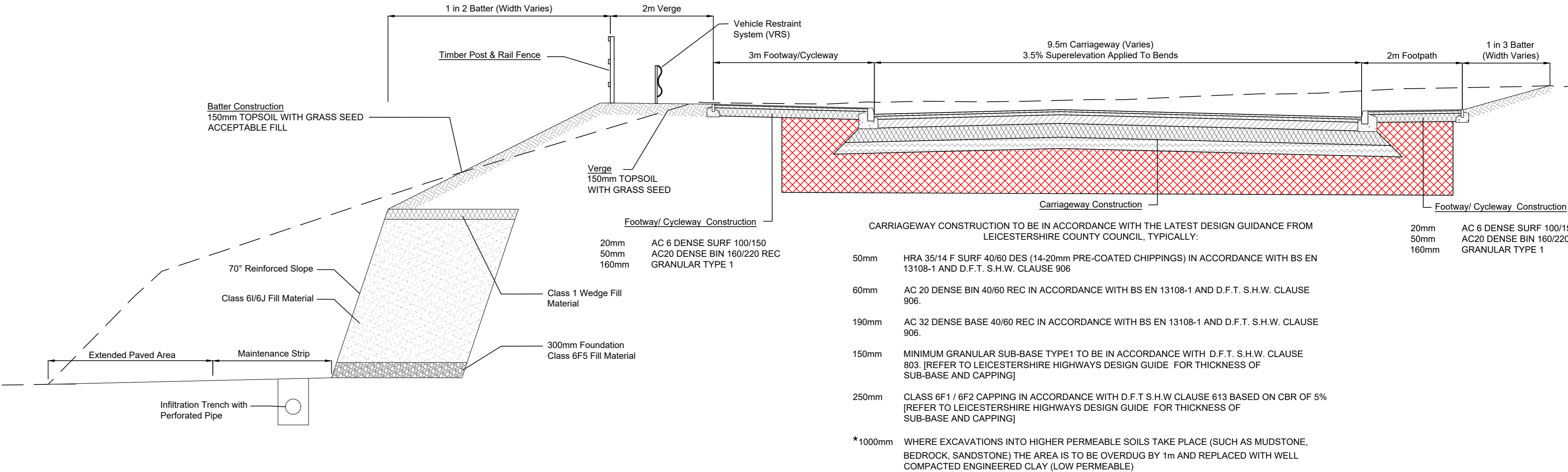
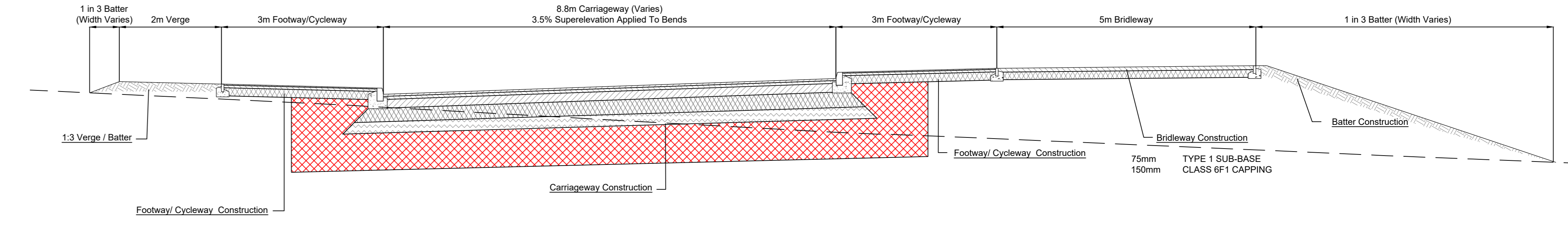


Typical Section BB  
(Based on CH 350 ERR EASTWEST)



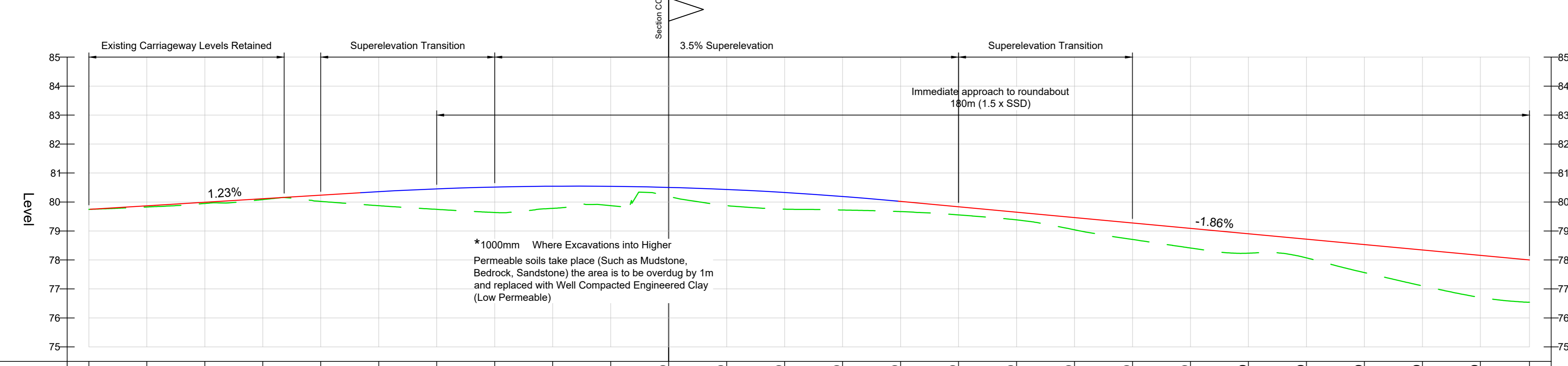
Typical Section AA  
(Based on CH 150 ERR EAST-WEST)



Typical Section CC  
(Based on CH 100 ERR NORTH-SOUTH)

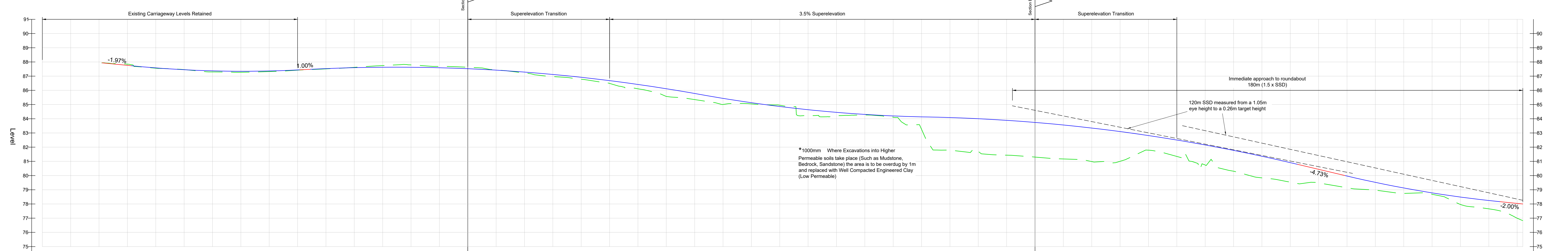
CD109 DESIGN CRITERIA

Design Speed	70 kph
Desirable Min. Crest Curve K Value	30
Desirable Min. Sag Curve K Value	20
Desirable Min. Horizontal R (Superelevation 3.5% or above)	360



Chainage (m)	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	170.000	180.000	190.000	200.000	210.000	220.000	230.000	240.000	248.451										
Existing Ground Level (mAOD)	79.746	79.827	79.828	79.849	79.850	79.861	79.872	79.883	79.894	79.905	79.916	79.927	79.938	79.949	79.960	79.971	79.982	79.993	80.004	80.015	80.026	80.037	80.048	80.059	80.070	80.081	80.092									
Proposed Road Levels (mAOD)	79.867	79.868	79.869	79.870	79.871	79.872	79.873	79.874	79.875	79.876	79.877	79.878	79.879	79.880	79.881	79.882	79.883	79.884	79.885	79.886	79.887	79.888	79.889	79.890	79.891	79.892	79.893									
Horizontal Geometry	L=33.917										R=360.000 L=143.165										L=43.498		R=75.000 L=17.397		R=35.000 L=10.068		L=0.397									
Vertical Geometry	G=1.223% L=46.623										R=3000.000 K=30.000 L=92.743										G=-1.862% L=108.847															
Level Difference (m)	0.000	0.039	0.041	0.029	0.010	0.215	0.403	0.485	0.707	0.878	0.764	0.640	0.688	0.702	0.308	0.471	0.588	0.576	0.487	0.184	0.280	0.263	0.421	0.538	0.588	0.677	0.670	0.644	0.987	0.983	1.221	1.239	1.451	1.453	1.479	1.485

ERR NORTH TO SOUTH - LONGSECTION  
SCALE: H 1:500, V 1:100, DATUM: 75.000



Chainage (m)	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	170.000	180.000	190.000	200.000	210.000	220.000	230.000	240.000	250.000	260.000	270.000	280.000	290.000	300.000	310.000	320.000	330.000	340.000	350.000	360.000	370.000	380.000	390.000	400.000	410.000	420.000	430.000	440.000	450.000	460.000	470.000	480.000	490.000	500.000	510.000	520.000	530.000	540.000	550.000	560.000	570.000	580.000	590.000	600.000	610.000	620.000	630.000	640.000	650.000	660.000	670.000	680.000	690.000	700.000	710.000	720.000	730.000	740.000	750.000	760.000	770.000	780.000	790.000	800.000	810.000	820.000	830.000	840.000	850.000	860.000	870.000	880.000	890.000	900.000	910.000	920.000	930.000	940.000	950.000	960.000	970.000	980.000	990.000	1000.000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Existing Ground Level (mAOD)				87.759	87.843	87.900	87.951	87.959	87.960	87.952	87.940	87.923	87.896	87.858	87.814	87.764	87.704	87.638	87.566	87.489	87.407	87.320	87.229	87.134	87.035	86.932	86.825	86.714	86.600	86.483	86.363	86.240	86.114	85.985	85.853	85.718	85.580	85.439	85.295	85.148	85.000	84.848	84.693	84.535	84.374	84.210	84.043	83.874	83.702	83.527	83.350	83.170	82.987	82.801	82.612	82.420	82.226	82.030	81.832	81.631	81.428	81.222	81.013	80.802	80.589	80.374	80.157	79.938	79.716	79.491	79.263	79.033	78.801	78.567	78.331	78.093	77.853	77.611	77.367	77.121	76.873	76.623	76.371	76.117	75.861	75.603	75.343	75.081	74.817	74.551	74.283	74.014	73.743	73.470	73.195	72.918	72.639	72.358	72.075	71.790	71.503	71.214	70.923	70.630	70.335	70.039	69.741	69.441	69.139	68.835	68.529	68.221	67.912	67.601	67.288	66.973	66.657	66.339	66.019	65.697	65.373	65.048	64.721	64.393	64.063	63.731	63.397	63.062	62.726	62.389	62.051	61.712	61.371	61.029	60.686	60.342	59.997	59.651	59.304	58.956	58.607	58.257	57.905	57.552	57.198	56.843	56.487	56.130	55.772	55.413	55.053	54.692	54.330	53.967	53.603	53.238	52.872	52.505	52.137	51.769	51.400	51.030	50.659	50.287	49.914	49.540	49.165	48.789	48.412	48.035	47.657	47.278	46.898	46.517	46.135	45.752	45.369	44.985	44.600	44.215	43.829	43.442	43.055	42.667	42.279	41.890	41.501	41.111	40.720	40.328	39.936	39.543	39.150	38.756	38.362	37.967	37.572	37.177	36.781	36.385	35.989	35.592	35.195	34.798	34.401	34.004	33.607	33.210	32.813	32.416	32.018	31.621	31.224	30.827	30.430	30.033	29.636	29.239	28.842	28.445	28.048	27.651	27.254	26.857	26.460	26.063	25.666	25.269	24.872	24.475	24.078	23.681	23.284	22.887	22.490	22.093	21.696	21.299	20.902	20.505	20.108	19.711	19.314	18.917	18.520	18.123	17.726	17.329	16.932	16.535	16.138	15.741	15.344	14.947	14.550	14.153	13.756	13.359	12.962	12.565	12.168	11.771	11.374	10.977	10.580	10.183	9.786	9.389	8.992	8.595	8.198	7.801	7.404	7.007	6.610	6.213	5.816	5.419	5.022	4.625	4.228	3.831	3.434	3.037	2.640	2.243	1.846	1.449	1.052	0.655	0.258	-0.139	-0.542	-0.945	-1.348	-1.751	-2.154	-2.557	-2.960	-3.363	-3.766	-4.169	-4.572	-4.975	-5.378	-5.781	-6.184	-6.587	-6.990	-7.393	-7.796	-8.199	-8.602	-9.005	-9.408	-9.811	-10.214	-10.617	-11.020	-11.423	-11.826	-12.229	-12.632	-13.035	-13.438	-13.841	-14.244	-14.647	-15.050	-15.453	-15.856	-16.259	-16.662	-17.065	-17.468	-17.871	-18.274	-18.677	-19.080	-19.483	-19.886	-20.289	-20.692	-21.095	-21.498	-21.901	-22.304	-22.707	-23.110	-23.513	-23.916	-24.319	-24.722	-25.125	-25.528	-25.931	-26.334	-26.737	-27.140	-27.543	-27.946	-28.349	-28.752	-29.155	-29.558	-29.961	-30.364	-30.767	-31.170	-31.573	-31.976	-32.379	-32.782	-33.185	-33.588	-33.991	-34.394	-34.797	-35.200	-35.603	-36.006	-36.409	-36.812	-37.215	-37.618	-38.021	-38.424	-38.827	-39.230	-39.633	-40.036	-40.439	-40.842	-41.245	-41.648	-42.051	-42.454	-42.857	-43.260	-43.663	-44.066	-44.469	-44.872	-45.275	-45.678	-46.081	-46.484	-46.887	-47.290	-47.693	-48.096	-48.499	-48.902	-49.305	-49.708	-50.111	-50.514	-50.917	-51.320	-51.723	-52.126	-52.529	-52.932	-53.335	-53.738	-54.141	-54.544	-54.947	-55.350	-55.753	-56.156	-56.559	-56.962	-57.365	-57.768	-58.171	-58.574	-58.977	-59.380	-59.783	-60.186	-60.589	-60.992	-61.395	-61.798	-62.201	-62.604	-63.007	-63.410	-63.813	-64.216	-64.619	-65.022	-65.425	-65.828	-66.231	-66.634	-67.037	-67.440	-67.843	-68.246	-68.649	-69.052	-69.455	-69.858	-70.261	-70.664	-71.067	-71.470	-71.873	-72.276	-72.679	-73.082	-73.485	-73.888	-74.291	-74.694	-75.097	-75.500	-75.903	-76.306	-76.709	-77.112	-77.515	-77.918	-78.321	-78.724	-79.127	-79.530	-79.933	-80.336	-80.739	-81.142	-81.545	-81.948	-82.351	-82.754	-83.157	-83.560	-83.963	-84.366	-84.769	-85.172	-85.575	-85.978	-86.381	-86.784	-87.187	-87.590	-87.993	-88.396	-88.799	-89.202	-89.605	-90.008	-90.411	-90.814	-91.217	-91.620	-92.023	-92.426	-92.829	-93.232	-93.635	-94.038	-94.441	-94.844	-95.247	-95.650	-96.053	-96.456	-96.859	-97.262	-97.665	-98.068	-98.471	-98.874	-99.277	-99.680	-100.083	-100.486	-100.889	-101.292	-101.695	-102.098	-102.501	-102.904	-103.307	-103.710	-104.113	-104.516	-104.919	-105.322	-105.725	-106.128	-106.531	-106.934	-107.337	-107.740	-108.143	-108.546	-108.949	-109.352	-109.755	-110.158	-110.561	-110.964	-111.367	-111.770	-112.173	-112.576	-112.979	-113.382	-113.785	-114.188	-114.591	-114.994	-115.397	-115.800	-116.203	-116.606	-117.009	-117.412	-117.815	-118.218	-118.621	-119.024	-119.427	-119.830	-120.233	-120.636	-121.039	-121.442	-121.845	-122.248	-122.651	-123.054	-123.457	-123.860	-124.263	-124.666	-125.069	-125.472	-125.875	-126.278	-126.681	-127.084	-127.487	-127.890	-128.293	-128.696	-129.099	-129.502	-129.905	-130.308	-130.711	-131.114	-131.517	-131.920	-132.323	-132.726	-133.129	-133.532	-133.935	-134.338	-134.741	-135.144	-135.547	-135.950	-136.353	-136.756	-137.159	-137.562	-137.965	-138.368	-138.771	-139.174	-139.577	-139.980	-140.383	-140.786	-141.189	-141.592	-141.995	-142.398	-142.801	-143.204	-143.607	-144.010	-144.413	-144.816	-145.219	-145.622	-146.025	-146.428	-146.831	-147.234	-147.637	-148.040	-148.443	-148.846	-149.249	-149.652	-150.055	-150.458	-150.861	-151.264	-151.667	-152.070	-152.473	-152.876	-153.279	-153.682	-154.085	-154.488	-154.891	-155.294	-155.697	-156.100	-156.503	-156.906	-157.309	-157.712	-158.115	-158.518	-158.921	-159.324	-159.727	-160.130	-160.533	-160.936	-161.339	-161.742	-162.145	-162.548	-162.951	-163.354	-163.757	-164.160	-164.563	-164.966	-165.369	-165.772	-166.175	-166.578	-166.981	-167.384	-167.787	-168.190	-168.593	-168.996	-169.399	-169.802	-170.205	-170.608	-171.011	-171.414	-171.817	-172.220	-172.623	-173.026	-173.429	-173.832	-174.235	-174.638	-175.041	-175.444	-175.847	-176.250	-176.653	-177.056	-177.459	-177.862	-178.265	-178.668	-179.071	-179.474	-179.877	-180.280	-180.683	-181.086	-181.489	-181.892	-182.295	-182.698	-183.101	-183.504

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