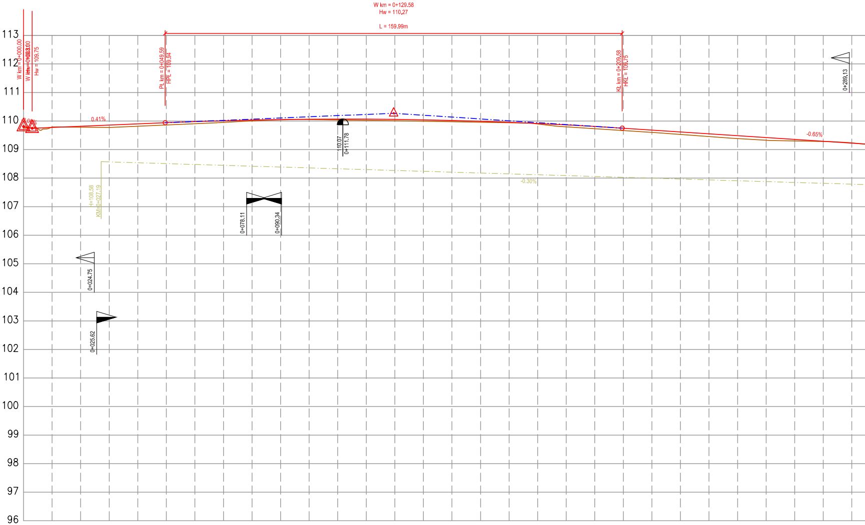
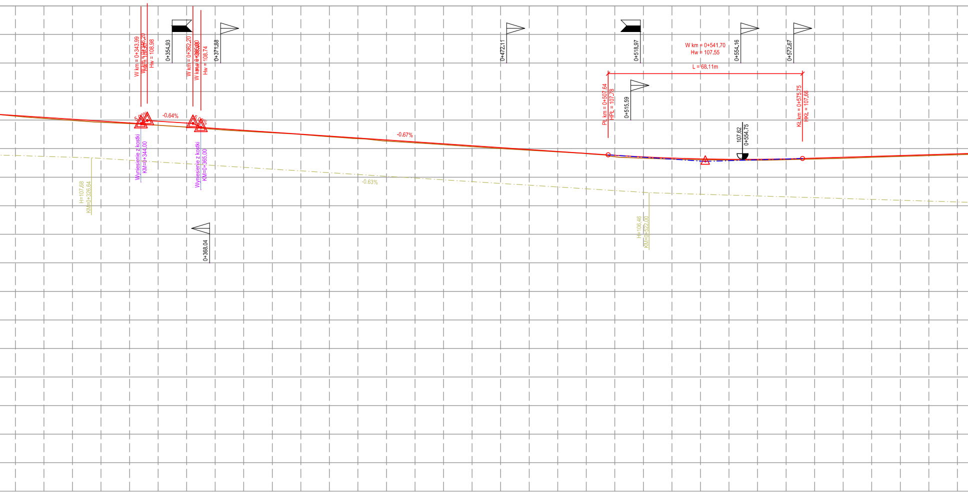
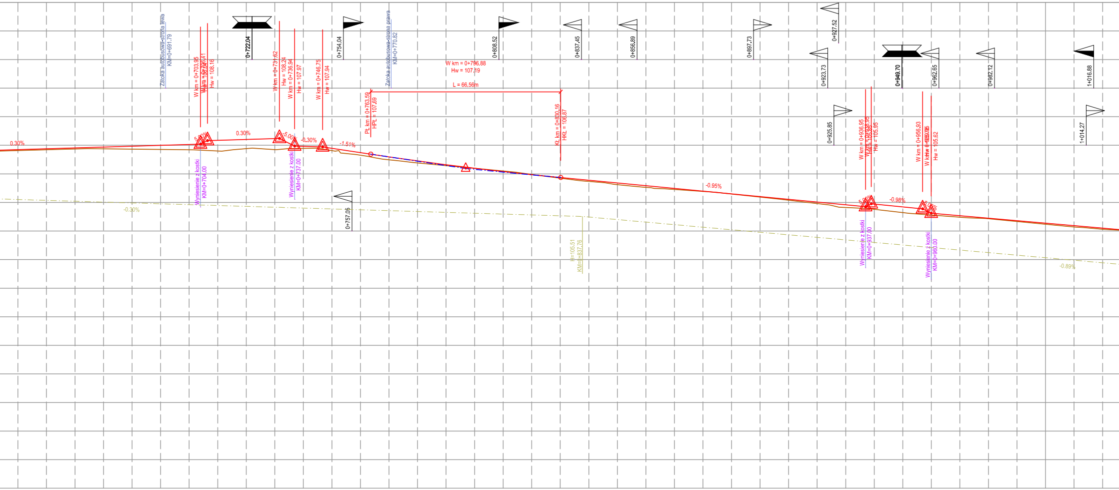

W km = 0+129.58
Hw = 110,27
L = 159.99m
113
112
111
110
109
108
107
106
105
104
103
102
101
100
99
98
97
96
W km = 0+000.00
W km = 0+003.00
Hw = 109.75
Pł km = 0+049.59
HPł = 109.94
Kł km = 0+209.58
HKł = 109.75
0+289.13
0.41%
-0.65%
110.07
0+111.78
H=108.58
KM=0+027.19
-0.30%
0+078.11
0+090.34
0+024.75
0+025.62

RZĘDNE OSI DROGI	109.81	109.78	109.82	109.86	109.90	109.94	109.98	110.01	110.03	110.05	110.06	110.07	110.07	110.06	110.04
NIWELETA - TEREN	0.05	-0.01	0.03	0.08	0.08	0.08	0.07	0.06	0.03	0.01	0.01	0.03	0.04	0.05	0.05
ELEMENTY NIWELETY	L=3.00 i=-2.00%			L=46.59 i=0.41%										R=15000.00 L=159.99	
RZĘDNE TERENU	109.76	109.79	109.78	109.77	109.82	109.86	109.91	109.95	110.00	110.04	110.05	110.04	110.03	110.01	109.99
ELEMENTY PLANU					L = 77.29									L = 111.35	
ODLEGŁOŚCI	000.00	010.00	020.00	030.00	040.00	050.00	060.00	070.00	080.00	090.00	100.00	110.00	120.00	130.00	140.00
KM I HM	0+000.00	010	020	030	040	050	060	070	080	090	100	110	120	130	140

RZĘDNE OSI DROGI	110.02	109.99	109.96	109.91	109.86	109.81	109.75	109.68	109.62	109.55	109.49	109.42	109.36	109.29	109.23
NIWELETA - TEREN	0.04	0.03	0.02	0.02	0.07	0.08	0.08	0.08	0.09	0.10	0.10	0.09	0.05	0.01	-0.01
ELEMENTY NIWELETY														L=134.41 i=-0.65%	
RZĘDNE TERENU	109.98	109.96	109.94	109.90	109.80	109.73	109.67	109.60	109.53	109.45	109.38	109.33	109.30	109.28	109.23
ELEMENTY PLANU															
ODLEGŁOŚCI	150.00	160.00	170.00	180.00	190.00	200.00	210.00	220.00	230.00	240.00	250.00	260.00	270.00	280.00	290.00
KM I HM	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290


W km = 0+343.99
W km = 0+345.20
Hw = 108.87
Hw = 108.98
0+354.93
W km = 0+362.20
W km = 0+365.00
Hw = 108.74
0+371.88
5.00%
-0.64%
5.00%
Wyniesienie z kostki
KM=0+344.00
Wyniesienie z kostki
KM=0+365.00
H=107.68
KM=0+326.64
0+368.04
-0.67%
-0.63%
0+472.11
0+518.97
W km = 0+541.70
Hw = 107.55
0+554.16
0+572.67
L = 68,11m
PŁ km = 0+507.64
HPŁ = 107.78
0+515.59
107.62
0+554.75
KŁ km = 0+575.75
HKŁ = 107.66
H=106.46
KM=0+522.00

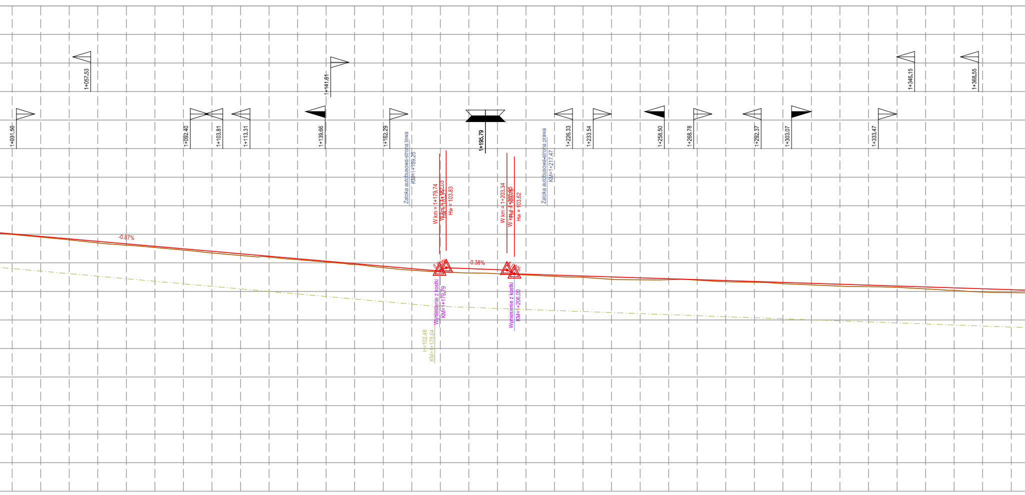
109.16	109.09	109.03	108.96	108.90	108.96	108.90	108.71	108.64	108.57	108.51	108.44	108.37	108.30	108.24	108.17	108.10	108.04	107.97	107.90	107.83	107.77	107.71	107.67	107.64	107.63	107.63	107.64	107.67	107.70	107.73	107.76	107.79	107.82
0.02	0.04	0.04	0.04	0.02	0.14	0.14	0.03	0.03	0.02	0.01	0.02	0.02	0.04	0.03	0.03	0.03	0.03	0.02	0.01	0.01	0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03
				L=2.21 i=5.00%	L=16.01 i=-0.64%	L=2.80 i=-5.00%								L=142.64 i=-0.67%										R=7000.00 L=68.11									
109.14	109.06	108.99	108.92	108.88	108.82	108.75	108.68	108.61	108.56	108.49	108.42	108.35	108.26	108.20	108.14	108.07	108.00	107.95	107.89	107.83	107.72	107.67	107.63	107.61	107.60	107.59	107.61	107.64	107.66	107.70	107.73	107.76	107.79
					L = 319.11																			L = 67.08							L = 58.70		
300.00	310.00	320.00	330.00	340.00	350.00	360.00	370.00	380.00	390.00	400.00	410.00	420.00	430.00	440.00	450.00	460.00	470.00	480.00	490.00	500.00	510.00	520.00	530.00	540.00	550.00	560.00	570.00	580.00	590.00	600.00	610.00	620.00	630.00
◐ 300	◐ 310	◐ 320	◐ 330	◐ 340	◐ 350	◐ 360	◐ 370	◐ 380	◐ 390	◐ 400	◐ 410	◐ 420	◐ 430	◐ 440	◐ 450	◐ 460	◐ 470	◐ 480	◐ 490	◐ 500	◐ 510	◐ 520	◐ 530	◐ 540	◐ 550	◐ 560	◐ 570	◐ 580	◐ 590	◐ 600	◐ 610	◐ 620	◐ 630


0.30%
Zatoka autobusowa-strona lewa KM=0+691.79
W km = 0+703.95
W km = 0+706.41
Hw = 108.04
Hw = 108.16
0+722.04
W km = 0+731.62
Hw = 108.24
W km = 0+736.94
Hw = 107.97
W km = 0+746.75
Hw = 107.94
0+754.04
Zatoka autobusowa-strona prawa KM=0+770.82
5.00%
0.30%
-5.00%
-0.30%
-1.51%
Wyniesienie z kostki KM=0+704.00
Wyniesienie z kostki KM=0+737.00
-0.30%
0+757.05
PŁ km = 0+763.59
HPŁ = 107.69
W km = 0+796.88
Hw = 107.19
L = 66.56m
0+808.52
KŁ km = 0+830.16
HKŁ = 106.87
0+837.45
H=105.51
KM=0+837.76
0+856.89
0+897.73
-0.95%
0+927.52
0+923.73
0+925.85
W km = 0+936.95
W km = 0+938.95
Hw = 105.85
Hw = 105.95
0+949.70
0+962.65
W km = 0+956.93
W km = 0+959.95
Hw = 105.72
Hw = 105.62
5.00%
-0.98%
-5.00%
Wyniesienie z kostki KM=0+937.00
Wyniesienie z kostki KM=0+960.00
0+982.12
1+016.88
1+014.27
-0.89%

107.85	107.88	107.91	107.94	107.97	108.00	108.03	108.17	108.20	108.23	107.96	107.89	107.74	107.59	107.45	107.32	107.20	107.08	106.97	106.87	106.78	106.68	106.59	106.49	106.39	106.30	106.20	106.11	106.01	105.92	105.94	105.84	105.62	105.54	105.45	105.36	105.28	105.19	105.10
0.03	0.03	0.04	0.06	0.10	0.14	0.19	0.37	0.32	0.39	0.07	0.08	0.09	0.10	0.07	0.03	0.00	-0.02	-0.01	0.02	0.04	0.06	0.06	0.03	0.01	0.00	0.01	0.03	0.05	0.09	0.18	0.20	0.06	0.05	0.02	0.03	0.04	0.05	0.04
107.81	107.84	107.87	107.88	107.87	107.85	107.84	107.80	107.88	107.85	107.89	107.82	107.65	107.49	107.38	107.29	107.19	107.10	106.98	106.85	106.74	106.62	106.53	106.45	106.39	106.30	106.19	106.08	105.96	105.82	105.76	105.64	105.56	105.48	105.43	105.33	105.24	105.14	105.06
640.00	650.00	660.00	670.00	680.00	690.00	700.00	710.00	720.00	730.00	740.00	750.00	760.00	770.00	780.00	790.00	800.00	810.00	820.00	830.00	840.00	850.00	860.00	870.00	880.00	890.00	900.00	910.00	920.00	930.00	940.00	950.00	960.00	970.00	980.00	990.00	000.00	010.00	020.00
640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990	1+000.00	010	020

L=128.20 i=0.30%
L=2.46 i=5.00%
L=25.21 i=0.30%
L=5.32 i=-5.00%
L=9.81 i=-0.30%
L=16.84 i=-1.51%
R=12000.00 L=66.56
L=106.79 i=-0.95%
L=2.00 i=5.00%
L=17.98 i=-0.98%
L=3.02 i=-5.00%

L = 180.82
L = 280.14


1+057.53
1+141.61
1+346.15
1+368.55
1+031.50
1+092.40
1+103.81
1+113.31
1+139.66
1+162.29
1+195.79
1+226.33
1+233.54
1+258.50
1+268.78
1+292.37
1+303.07
1+333.47
Zatoka autobusowa-strona lewa
KM=1+169.25
W km = 1+179.74
W km = 1+182.03
Hw = 103.74
Hw = 103.83
W km = 1+203.34
W km = 1+205.65
Hw = 103.70
Hw = 103.62
Zatoka autobusowa-strona prawa
KM=1+217.47
-0.87%
-0.38%
5.00%
-5.00%
Wyniesienie z kostki
KM=1+179.79
Wyniesienie z kostki
KM=1+206.00
H=102.48
KM=1+178.04

105.02	104.93	104.84	104.75	104.67	104.58	104.49	104.41	104.32	104.23	104.15	104.06	103.97	103.88	103.80	103.73	103.80	103.76	103.60	103.57	103.54	103.51	103.48	103.44	103.41	103.38	103.35	103.32	103.28	103.25	103.22	103.19	103.16	103.12	103.09	103.06
0.02	0.03	0.04	0.06	0.05	0.04	0.05	0.06	0.06	0.03	0.03	0.03	0.03	0.05	0.06	0.04	0.15	0.14	0.03	0.04	0.05	0.09	0.07	0.03	0.02	0.04	0.03	0.05	0.06	0.07	0.05	0.05	0.07	0.09	0.11	0.10
104.99	104.90	104.81	104.70	104.62	104.54	104.45	104.35	104.26	104.20	104.11	104.03	103.94	103.83	103.74	103.68	103.65	103.62	103.58	103.53	103.49	103.42	103.41	103.41	103.39	103.34	103.32	103.27	103.23	103.18	103.17	103.14	103.09	103.03	102.98	102.96
030.00	040.00	050.00	060.00	070.00	080.00	090.00	100.00	110.00	120.00	130.00	140.00	150.00	160.00	170.00	180.00	190.00	200.00	210.00	220.00	230.00	240.00	250.00	260.00	270.00	280.00	290.00	300.00	310.00	320.00	330.00	340.00	350.00	360.00	370.00	380.00
030	040	050	060	070	080	090	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380

L=219.79
i=-0.87%

L=2.29
i=5.00%

L=21.31
i=-0.38%

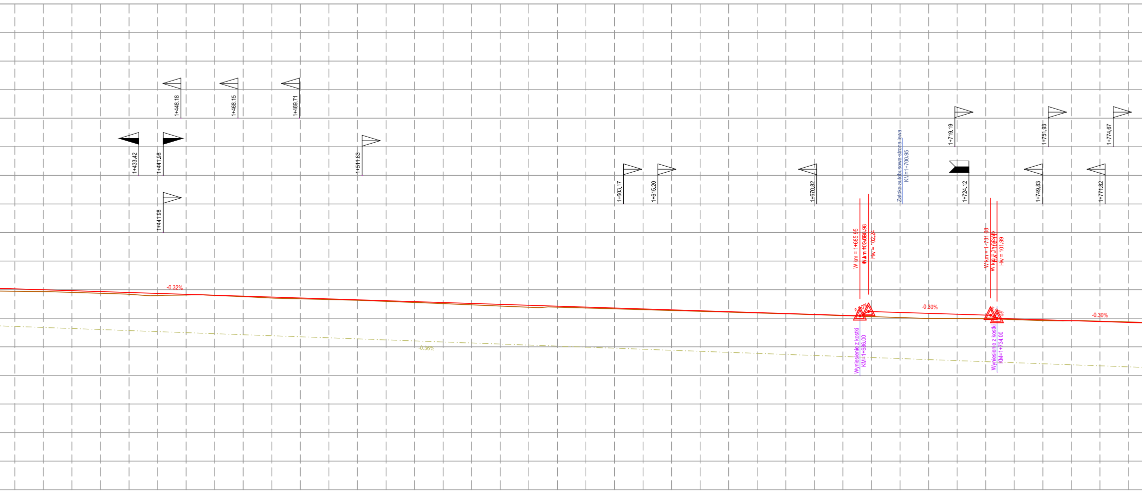
L=2.61
i=-5.00%

L = 135.56

L = 69.15

L = 31.27

Profil Podłużny ul Ptaków Leśnych

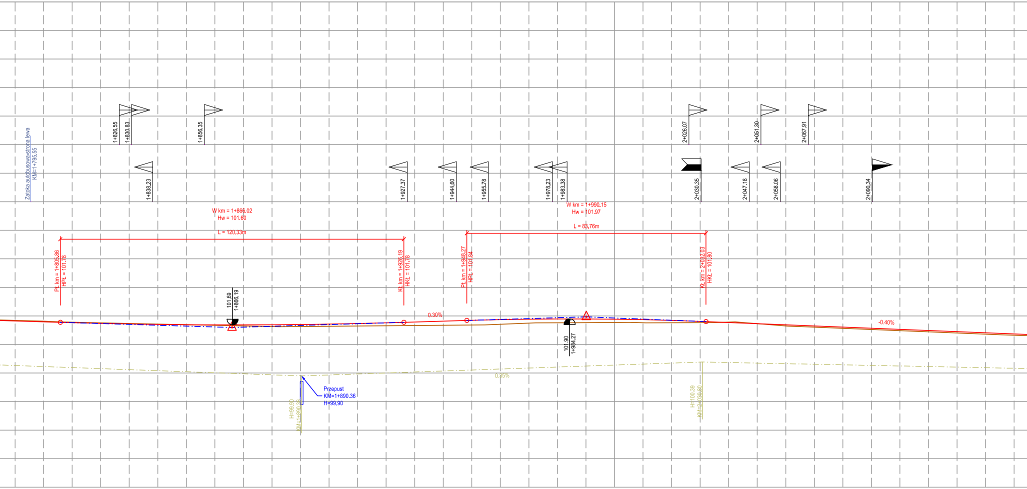

1+448.18
1+468.15
1+489.71
1+433.42
1+441.98
1+511.63
1+441.98
-0.32%
1+603.17
1+615.20
1+670.82
Zatoka autobusowa strona lewa
KM=1+700.95
1+719.19
1+724.12
1+751.93
1+749.83
1+774.67
1+771.82
W km = 1+685.95
Hw = 102.24
W km = 1+731.68
Hw = 101.99
5.00%
-0.30%
-0.30%
-0.36%
Wyniesienie z kostki
KM=1+686.00
Wyniesienie z kostki
KM=1+734.00

103.03	103.00	102.97	102.93	102.90	102.87	102.84	102.81	102.77	102.74
0.09	0.07	0.06	0.06	0.06	0.08	0.02	0.01	0.02	0.04
L=480.00 i=-0.32%									
102.94	102.93	102.90	102.87	102.84	102.79	102.82	102.80	102.76	102.71
L = 145.23									
390.00	400.00	410.00	420.00	430.00	440.00	450.00	460.00	470.00	480.00
390	400	410	420	430	440	450	460	470	480

102.71	102.68	102.65	102.61	102.58	102.55	102.52	102.49	102.46	102.42
0.03	0.03	0.02	0.02	0.03	0.04	0.05	0.06	0.07	0.04
102.68	102.65	102.63	102.59	102.55	102.51	102.47	102.43	102.39	102.39
L = 143.55									
490.00	500.00	510.00	520.00	530.00	540.00	550.00	560.00	570.00	580.00
490	500	510	520	530	540	550	560	570	580

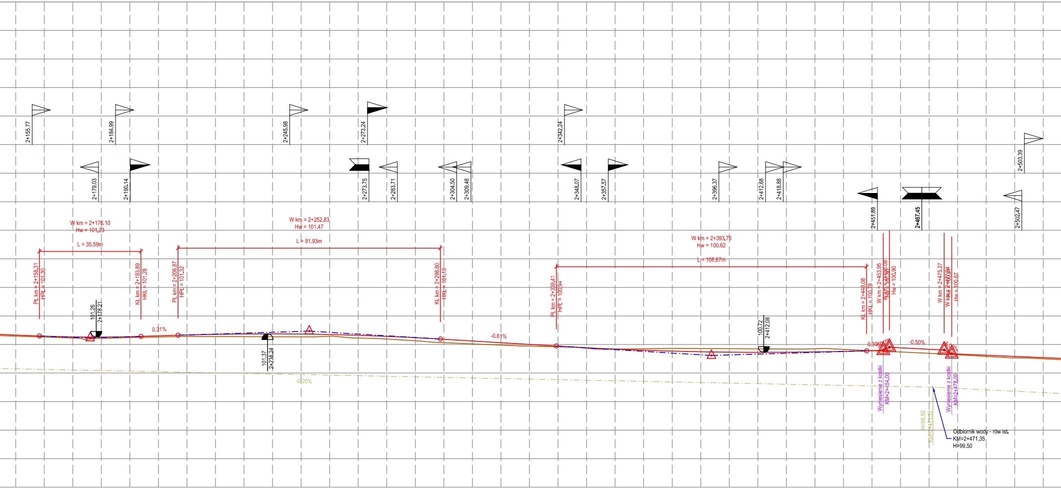
102.39	102.36	102.33	102.30	102.26	102.23	102.20	102.17	102.14	102.10
0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.01
102.36	102.33	102.30	102.27	102.24	102.21	102.18	102.16	102.12	102.09
			L = 90.42						
590.00	600.00	610.00	620.00	630.00	640.00	650.00	660.00	670.00	680.00
590	600	610	620	630	640	650	660	670	680

102.23	102.20	102.17	102.14	102.11	101.98	101.95	101.92	101.88	101.85
0.18	0.18	0.18	0.15	0.13	0.02	0.03	0.00	-0.01	-0.02
L=3.03 i=5.00%		L=42.70 i=-0.30%		L=2.27 i=-5.00%			L=71.91 i=-0.30%		
102.06	102.02	102.00	101.99	101.98	101.95	101.92	101.91	101.90	101.87
		L = 114.11							
690.00	700.00	710.00	720.00	730.00	740.00	750.00	760.00	770.00	780.00
690	700	710	720	730	740	750	760	770	780


Zatoka autobusowa-strona lewa
KM=1+795.55
1+826.55
1+830.83
1+856.35
1+838.23
1+927.37
1+944.60
1+955.78
1+978.23
1+983.38
2+026.07
2+051.30
2+067.91
2+030.35
2+047.18
2+058.06
2+090.34
W km = 1+866.02
Hw = 101.60
L = 120.33m
Pł km = 1+805.86
HPł = 101.78
101.69
1+866.19
Kł km = 1+926.19
HKł = 101.78
0.30%
W km = 1+990.15
Hw = 101.97
L = 83.76m
Pł km = 1+948.27
HPł = 101.84
Kł km = 2+032.03
HKł = 101.80
101.90
1+984.27
-0.40%
0.35%
Przepust
KM=1+890.36
H=99,90
H=99.90
KM=1+890.36
H=100.39
KM=2+030.80

101.82	101.79	101.76	101.74	101.72	101.70	101.69	101.69	101.69	101.69	101.70	101.71	101.73	101.76	101.79	101.82	101.85	101.87
-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	0.00	0.01	0.04	0.06	0.07	0.08	0.09	0.10	0.12	0.14	0.16	0.16
								R=20000.00 L=120.33							L=22.08 i=0.30%		
101.84	101.82	101.78	101.76	101.74	101.72	101.69	101.67	101.65	101.63	101.63	101.64	101.65	101.66	101.67	101.67	101.68	101.71
												L = 162.91					
790.00	800.00	810.00	820.00	830.00	840.00	850.00	860.00	870.00	880.00	890.00	900.00	910.00	920.00	930.00	940.00	950.00	960.00
790	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960

101.89	101.90	101.89	101.89	101.87	101.84	101.81	101.77	101.73	101.69	101.65	101.61	101.57	101.53	101.49	101.45	101.41	101.37
0.14	0.13	0.13	0.11	0.11	0.08	0.05	-0.01	0.00	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05
		R=12000.00 L=83.76										L=126.28 i=-0.40%					
101.75	101.76	101.77	101.77	101.76	101.76	101.76	101.78	101.73	101.65	101.61	101.57	101.53	101.49	101.45	101.40	101.36	101.33
970.00	980.00	990.00	000.00	010.00	020.00	030.00	040.00	050.00	060.00	070.00	080.00	090.00	100.00	110.00	120.00	130.00	140.00
970	980	990	2+000.00	010	020	030	040	050	060	070	080	090	100	110	120	130	140


2+155.77
2+184.99
2+245.98
2+273.24
2+342.24
2+503.39
2+179.03
2+190.14
2+273.75
2+283.71
2+304.50
2+309.48
2+348.07
2+357.57
2+396.37
2+412.68
2+418.88
2+451.89
2+467.45
2+502.47
W km = 2+176.10
Hw = 101.23
L = 35.59m
W km = 2+252.83
Hw = 101.47
L = 91.93m
W km = 2+393.75
Hw = 100.62
L = 108.67m
PŁ km = 2+158.31
HPŁ = 101.30
101.26
2+178.21
KŁ km = 2+193.89
HKŁ = 101.28
0.31%
PŁ km = 2+206.87
HPŁ = 101.32
101.37
2+238.24
-0.20%
KŁ km = 2+298.80
HKŁ = 101.19
-0.61%
PŁ km = 2+339.41
HPŁ = 100.94
100.72
2+412.08
KŁ km = 2+448.08
HKŁ = 100.78
W km = 2+453.95
Hw = 100.90
0.30%
-0.50%
W km = 2+475.27
Hw = 100.67
Wyniesienie z kostki
KM=2+454.00
Wyniesienie z kostki
KM=2+478.00
H=99.50
KM=2+471.35
Odbiornik wody - rów ist.
KM=2+471.35
H=99.50

101.33	101.29	101.27	101.26	101.27	101.30	101.33	101.36	101.37	101.37	101.37	101.35	101.32	101.29	101.24	101.18	101.12	101.06	101.00
0.04	0.03	0.04	0.04	0.03	0.04	0.05	0.08	0.09	0.10	0.10	0.06	0.10	0.10	0.11	0.12	0.10	0.08	0.06
101.29	101.26	101.23	101.22	101.24	101.26	101.28	101.28	101.28	101.27	101.27	101.29	101.22	101.19	101.13	101.06	101.02	100.98	100.94
150.00	160.00	170.00	180.00	190.00	200.00	210.00	220.00	230.00	240.00	250.00	260.00	270.00	280.00	290.00	300.00	310.00	320.00	330.00
150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330

100.94	100.88	100.84	100.80	100.77	100.74	100.73	100.72	100.73	100.74	100.76	100.78	100.88	100.83	100.66	100.62	100.58	100.54
0.02	0.01	0.00	-0.05	-0.10	-0.11	-0.12	-0.12	-0.12	-0.11	-0.07	0.00	0.15	0.14	0.03	0.04	0.05	0.04
100.92	100.87	100.84	100.85	100.86	100.86	100.85	100.85	100.84	100.85	100.83	100.78	100.74	100.69	100.64	100.58	100.53	100.50
340.00	350.00	360.00	370.00	380.00	390.00	400.00	410.00	420.00	430.00	440.00	450.00	460.00	470.00	480.00	490.00	500.00	510.00
340	350	360	370	380	390	400	410	420	430	440	450	460	470	480	490	500	510

R=5000.00
L=35.59

L=12.97
i=0.31%

R=10000.00
L=91.93

L=40.62
i=-0.61%

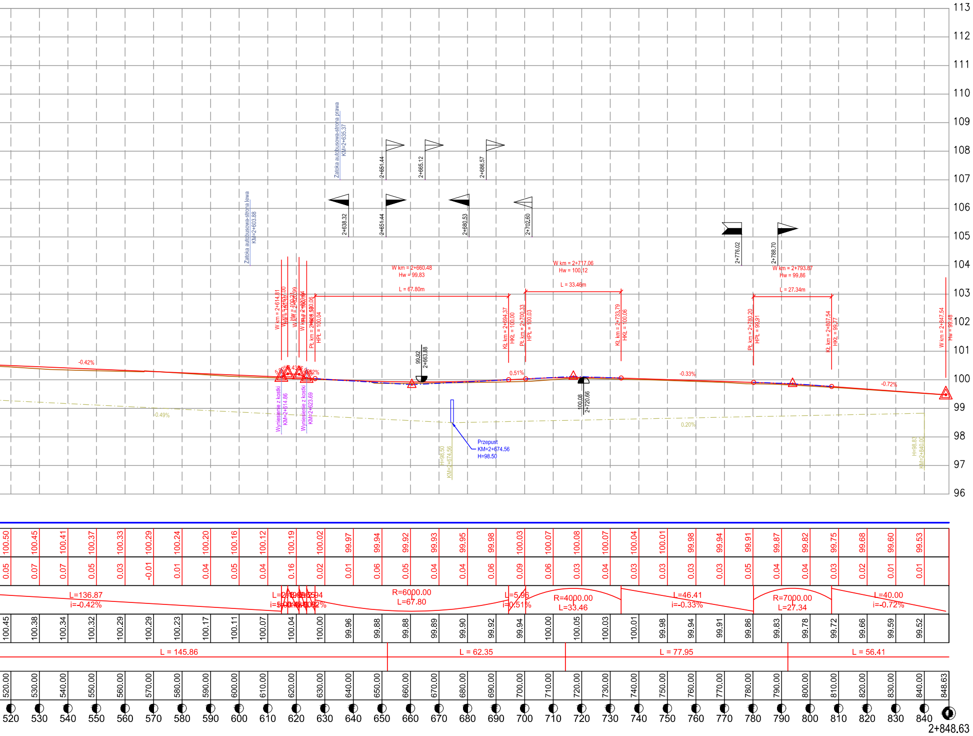
R=12000.00
L=108.67

L=5.82 L=2.13 L=19.19 L=2.67
i=0.30% [illegible] i=-0.50% i=-5.00%

L = 349.74

L = 79.04

L = 90.58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Zatoka autobusowa-strona prawa KM=2+635.37
Zatoka autobusowa-strona lewa KM=2+603.88
2+651.44
2+665.12
2+686.57
2+638.32
2+651.44
2+680.53
2+702.60
2+776.02
2+788.70
W km = 2+660.48
Hw = 99.83
L = 67.80m
W km = 2+717.06
Hw = 100.12
L = 33.46m
W km = 2+793.87
Hw = 99.86
L = 27.34m
W km = 2+614.81
Pł km = 2+630.00
HPł = 100.04
Kł km = 2+694.37
HKł = 100.00
Pł km = 2+700.33
HPł = 100.03
Kł km = 2+733.79
HKł = 100.06
Pł km = 2+780.20
HPł = 99.91
Kł km = 2+807.54
HKł = 99.77
W km = 2+847.54
Hw = 99.48
-0.42%
0.51%
-0.33%
-0.72%
99.92
2+663.88
100.08
2+720.66
Wyniesienie z kostki KM=2+614.86
Wyniesienie z kostki KM=2+623.69
Przepust
KM=2+674.56
H=98.50
-0.49%
0.20%
H=98.50
KM=2+674.56
H=98.83
KM=2+840.00
2+848.63

100.50	0.05		100.45		520.00
100.45	0.07		100.38		530.00
100.41	0.07		100.34		540.00
100.37	0.05		100.32		550.00
100.33	0.03		100.29		560.00
100.29	-0.01		100.29		570.00
100.24	0.01		100.23		580.00
100.20	0.04		100.17		590.00
100.16	0.05		100.11		600.00
100.12	0.04		100.07		610.00
100.19	0.16		100.04		620.00
100.02	0.02		100.00		630.00
99.97	0.01		99.96		640.00
99.94	0.06		99.88		650.00
99.92	0.05		99.88		660.00
99.93	0.04		99.89		670.00
99.95	0.04		99.90		680.00
99.98	0.06		99.92		690.00
100.03	0.09		99.94		700.00
100.07	0.06		100.00		710.00
100.08	0.03		100.05		720.00
100.07	0.04		100.03		730.00
100.04	0.03		100.01		740.00
100.01	0.03		99.98		750.00
99.98	0.03		99.94		760.00
99.94	0.03		99.91		770.00
99.91	0.05		99.86		780.00
99.87	0.04		99.83		790.00
99.82	0.04		99.78		800.00
99.75	0.03		99.72		810.00
99.68	0.02		99.66		820.00
99.60	0.01		99.59		830.00
99.53	0.01		99.52		840.00
					848.63

L=136.87
i=-0.42%
R=6000.00
L=67.80
L=5.96
i=0.51%
R=4000.00
L=33.46
L=46.41
i=-0.33%
R=7000.00
L=27.34
L=40.00
i=-0.72%

L = 145.86
L = 62.35
L = 77.95
L = 56.41

520 530 540 550 560 570 580 590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780 790 800 810 820 830 840
2+848.63

LEGENDA:

▭	istniejący teren
▭	proj. niweleta drogi głównej
▭	proj. niweleta kanalizacji deszczowej
KM=89+841.00 H=276.70 -0.71%	kilometraż, rzędne, spadki rowu prawego
◁▷	zjazd indywidualny - strona lewa/prawa
◀▶	zjazd publiczny - strona lewa/prawa
◀▶	skrzyżowanie - strona lewa/prawa
232.31 0+951.94	min. punkt niwelety
246.52 0+691.17	max. punkt niwelety

JEDNOSTKA PROJEKTOWA	INWESTOR
NETRO PIOTR SZOSTAK NETRO Piotr Szostak Trzeszczany Pierwsze 47, 22-554 Trzeszczany e-mail: netro.szostak@gmail.com, tel.: 795 923 382	Gmina Piaseczno ul. Kościuszki 5 05-500 Piaseczno

TEMAT ZADANIA

KONCEPCJA ROZBUDOWY DROGI PUBLICZNEJ, ULICY PTAKÓW LEŚNYCH W SOŁECTWIE JASTRZĘBIE I ŻABIENIEC, GMINA PIASECZNO

NAZWA RYSUNKU	NR RYSUNKU
PROFIL PODŁUŻNY	4.1

FUNKCJA	IMIĘ I NAZWISKO / UPRAWNIENIA	PODPIS
Projektant	mgr inż. Artur Łomański LUB/0002/PBD/16 w specjalności inżynieryjnej drogowej	

STADIUM	DATA	BRANŻA	SKALA	STRONA
Projekt koncepcyjny	02.2020	Drogowa	1:100/1000	