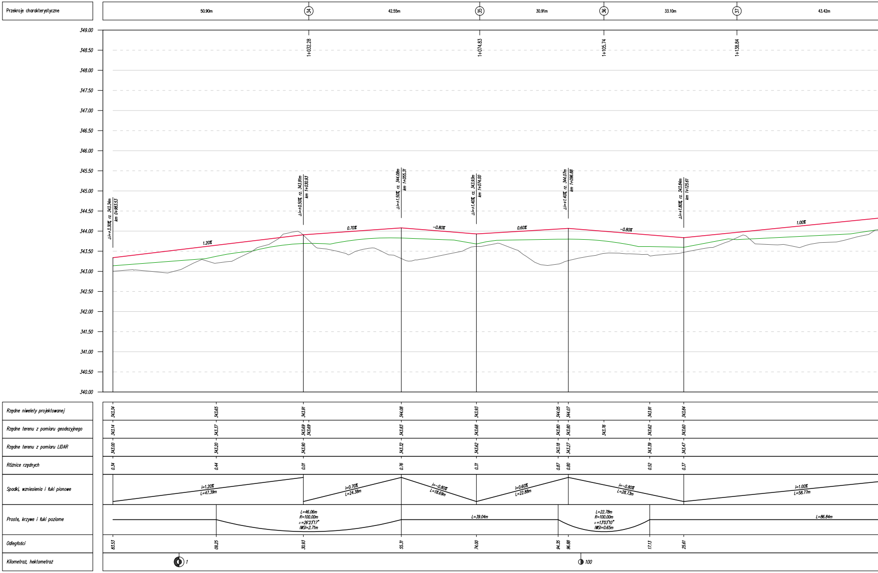
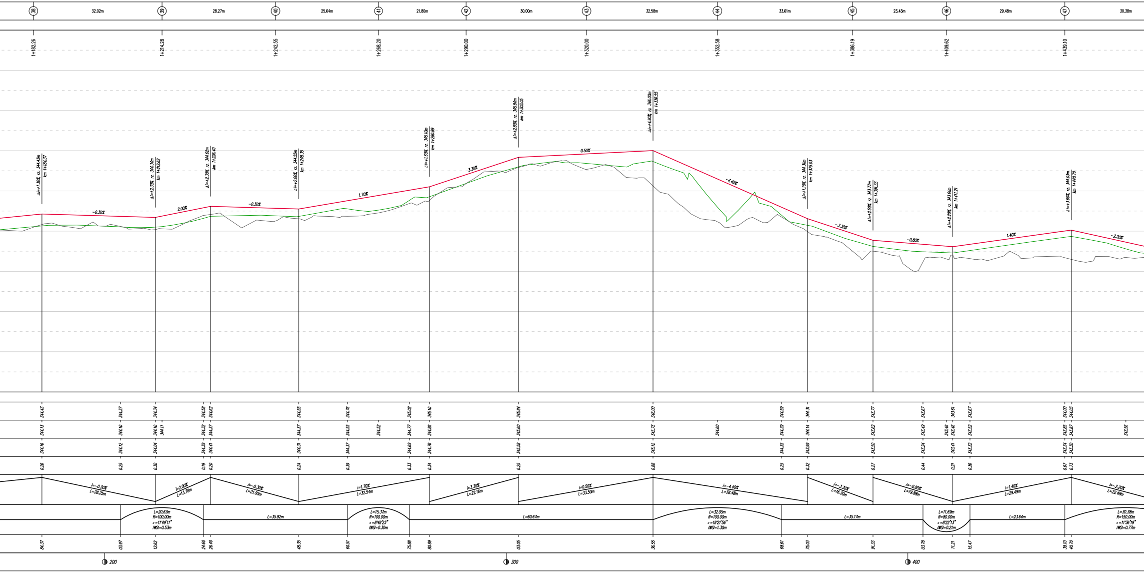
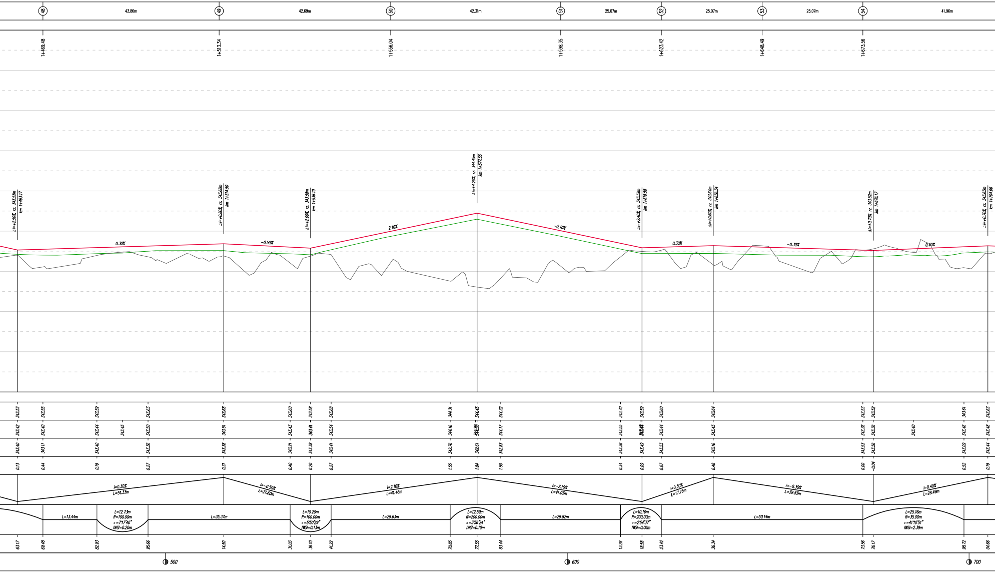
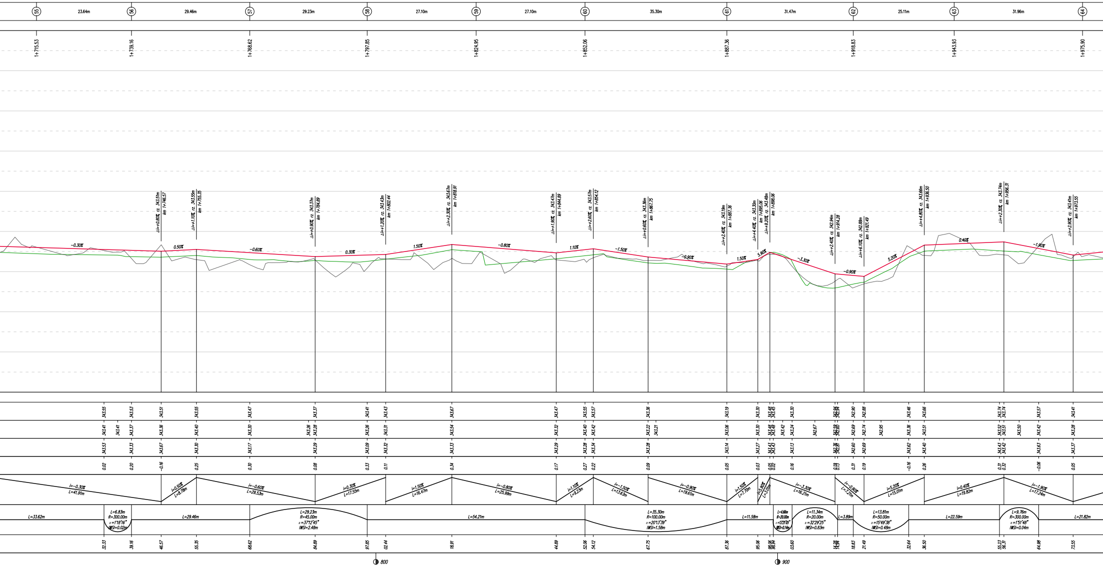
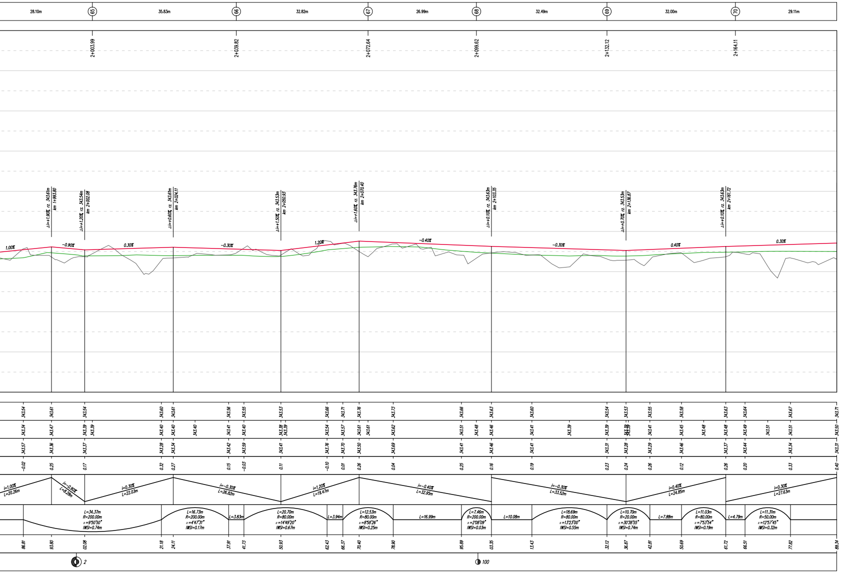

Przekroje charakterystyczne
50.90m
34
42.55m
35
30.91m
36
33.10m
37
43.42m
1+032.28
1+074.83
1+105.74
1+138.84
349.00
348.50
348.00
347.50
347.00
346.50
346.00
345.50
345.00
344.50
344.00
343.50
343.00
342.50
342.00
341.50
341.00
340.50
340.00
Δi=+3.30% rz. 343.34m
km 0+983.53
Δi=+0.50% rz. 343.91m
km 1+030.93
Δi=+1.50% rz. 344.08m
km 1+055.31
Δi=+1.40% rz. 343.93m
km 1+074.00
Δi=+1.40% rz. 344.07m
km 1+096.88
Δi=+1.80% rz. 343.84m
km 1+125.61
1.20%
0.70%
-0.80%
0.60%
-0.80%
1.00%
Rzędne niwelety projektowanej
343.34
343.65
343.91
344.08
343.93
344.05
344.07
343.91
343.84
Rzędne terenu z pomiaru geodezyjnego
343.14
343.37
343.69
343.69
343.83
343.68
343.80
343.80
343.76
343.62
343.60
Rzędne terenu z pomiaru LIDAR
343.00
343.20
343.90
343.32
343.62
343.18
343.27
343.39
343.47
Różnice rzędnych
0.34
0.44
0.01
0.76
0.31
0.87
0.80
0.52
0.37
Spadki, wzniesienia i łuki pionowe
i=1.20%
L=47.39m
i=0.70%
L=24.38m
i=-0.80%
L=18.69m
i=0.60%
L=22.88m
i=-0.80%
L=28.73m
i=1.00%
L=58.77m
Proste, krzywe i łuki poziome
L=46.06m
R=100.00m
α =26°23'17"
IWSI=2.71m
L=39.04m
L=22.78m
R=100.00m
α =13°03'10"
IWSI=0.65m
L=86.84m
Odległości
83.53
09.25
30.93
55.31
74.00
94.35
96.88
17.13
25.61
Kilometraż, hektometraż
1
100


38
32.02m
39
28.27m
40
25.64m
41
21.80m
42
30.00m
43
32.58m
44
33.61m
45
23.43m
46
29.48m
47
30.38m
1+182.26
1+214.28
1+242.55
1+268.20
1+290.00
1+320.00
1+352.58
1+386.19
1+409.62
1+439.10
Δi=+1.30% rz. 344.43m km 1+184.37
Δi=+2.30% rz. 344.34m km 1+212.62
Δi=+2.30% rz. 344.62m km 1+226.40
Δi=+2.00% rz. 344.55m km 1+248.35
Δi=+1.60% rz. 345.10m km 1+280.89
Δi=+2.80% rz. 345.84m km 1+303.05
Δi=+4.90% rz. 346.00m km 1+336.55
Δi=+1.10% rz. 344.31m km 1+375.03
Δi=+2.50% rz. 343.77m km 1+391.33
Δi=+2.20% rz. 343.61m km 1+411.21
Δi=+3.60% rz. 344.03m km 1+440.70
-0.30%
2.00%
-0.30%
1.70%
3.30%
0.50%
-4.40%
-3.30%
-0.80%
1.40%
-2.20%
344.43
344.37
344.34
344.58
344.62
344.55
344.76
345.02
345.10
345.84
346.00
344.59
344.31
343.77
343.67
343.61
343.67
344.00
344.03
344.13
344.10
344.10
344.11
344.32
344.37
344.37
344.55
344.52
344.77
344.86
345.60
345.73
344.60
344.39
344.14
343.62
343.49
343.46
343.46
343.52
343.85
343.87
343.56
344.16
344.12
344.04
344.39
344.41
344.31
344.37
344.69
344.76
345.58
345.12
344.35
343.99
343.50
343.24
343.41
343.32
343.34
343.30
0.26
0.25
0.30
0.19
0.20
0.24
0.39
0.33
0.34
0.25
0.88
0.25
0.32
0.27
0.44
0.21
0.36
0.67
0.73
i=-0.30% L=28.25m
i=2.00% L=13.78m
i=-0.30% L=21.95m
i=1.70% L=32.54m
i=3.30% L=22.16m
i=0.50% L=33.50m
i=-4.40% L=38.48m
i=-3.30% L=16.30m
i=-0.80% L=19.88m
i=1.40% L=29.49m
i=-2.20% L=22.48m
L=20.63m R=100.00m α=11°49'11" IWSI=0.53m
L=35.92m
L=15.37m R=100.00m α=8°48'23" IWSI=0.30m
L=60.67m
L=32.05m R=100.00m α=18°21'56" IWSI=1.30m
L=35.17m
L=11.69m R=80.00m α=8°22'13" IWSI=0.21m
L=23.64m
L=30.38m R=150.00m α=11°36'19" IWSI=0.77m
84.37
03.97
12.62
24.60
26.40
48.35
60.51
75.88
80.89
03.05
36.55
68.61
75.03
91.33
03.78
11.21
15.47
39.10
40.70
200
300
400

Widok profilu – Oś ścieżki edukacyjno-przyrodniczej (część 2 – od km 0+983.53 do km 2+189.34)


48
43.86m
49
42.69m
50
42.31m
51
25.07m
52
25.07m
53
25.07m
54
41.96m
1+469.48
1+513.34
1+556.04
1+598.35
1+623.42
1+648.49
1+673.56
Δi=+2.50% rz. 343.53m km 1+463.17
Δi=+0.80% rz. 343.68m km 1+514.50
Δi=+2.60% rz. 343.58m km 1+536.10
Δi=+4.20% rz. 344.45m km 1+577.55
Δi=+2.40% rz. 343.59m km 1+618.58
Δi=+0.60% rz. 343.64m km 1+636.34
Δi=+0.70% rz. 343.52m km 1+676.17
Δi=+0.70% rz. 343.63m km 1+704.66
0.30%
-0.50%
2.10%
-2.10%
0.30%
-0.30%
0.40%
i=0.30% L=51.33m
i=-0.50% L=21.60m
i=2.10% L=41.46m
i=-2.10% L=41.03m
i=0.30% L=17.76m
i=-0.30% L=39.83m
i=0.40% L=28.49m
L=13.44m
L=12.73m R=100.00m α=7°17'40" IWSI=0.20m
L=35.37m
L=10.20m R=100.00m α=5°50'29" IWSI=0.13m
L=29.63m
L=12.59m R=200.00m α=3°36'24" IWSI=0.10m
L=29.82m
L=10.16m R=200.00m α=2°54'37" IWSI=0.06m
L=50.14m
L=25.16m R=35.00m α=41°10'51" IWSI=2.39m
500
600
700


55
23.64m
56
29.46m
57
29.23m
58
27.10m
59
27.10m
60
35.30m
61
31.47m
62
25.11m
63
31.96m
64
1+715.53
1+739.16
1+768.62
1+797.85
1+824.95
1+852.06
1+887.36
1+918.83
1+943.93
1+975.90
Δi=+0.80% rz. 343.51m km 1+746.57
Δi=+1.10% rz. 343.55m km 1+755.35
Δi=+0.90% rz. 343.37m km 1+784.89
Δi=+1.20% rz. 343.43m km 1+802.44
Δi=+2.30% rz. 343.67m km 1+818.91
Δi=+1.90% rz. 343.47m km 1+844.89
Δi=+2.60% rz. 343.57m km 1+854.12
Δi=+0.60% rz. 343.36m km 1+867.75
Δi=+2.40% rz. 343.19m km 1+887.36
Δi=+4.40% rz. 343.30m km 1+895.06
Δi=+9.20% rz. 343.48m km 1+898.06
Δi=+2.40% rz. 342.94m km 1+914.28
Δi=+6.10% rz. 342.88m km 1+921.49
Δi=+4.80% rz. 343.66m km 1+936.50
Δi=+2.30% rz. 343.74m km 1+956.31
Δi=+2.90% rz. 343.41m km 1+973.55
-0.30%
0.50%
-0.60%
0.30%
1.50%
-0.80%
1.10%
-1.50%
-0.90%
1.50%
5.90%
-3.30%
-0.90%
5.20%
0.40%
-1.90%
343.55 343.53 343.51 343.55 343.47 343.37 343.41 343.43 343.67 343.47 343.55 343.57 343.36 343.19 343.30 343.48 343.45 343.30 342.94 342.94 342.90 342.88 343.46 343.66 343.74 343.74 343.57 343.41
343.41 343.41 343.37 343.36 343.40 343.30 343.26 343.28 343.26 343.31 343.54 343.32 343.40 343.42 343.22 343.21 343.06 343.30 343.48 343.48 343.42 343.24 342.67 342.59 342.60 342.69 342.74 342.95 343.36 343.51 343.52 343.51 343.50 343.42 343.28
343.53 343.33 343.67 343.30 343.17 343.29 343.09 343.32 343.33 343.29 343.28 343.34 343.28 343.14 343.27 343.43 343.43 343.13 342.76 342.81 342.60 342.69 343.62 343.40 343.43 343.42 343.63 343.37
0.02 0.20 -0.16 0.25 0.30 0.08 0.33 0.11 0.34 0.17 0.27 0.22 0.09 0.05 0.03 0.05 0.02 0.16 0.19 0.13 0.31 0.19 -0.16 0.26 0.31 0.32 -0.06 0.05
i=-0.30% L=41.91m
i=0.50% L=8.78m
i=-0.60% L=29.53m
i=0.30% L=17.55m
i=1.50% L=16.47m
i=-0.80% L=25.99m
i=1.10% L=9.23m
i=-1.50% L=13.63m
i=-0.90% L=19.61m
i=1.50% L=7.70m
i=5.90% L=3.01m
i=-3.30% L=16.21m
i=-0.90% L=7.21m
i=5.20% L=15.01m
i=0.40% L=19.82m
i=-1.90% L=17.24m
L=33.62m
L=6.83m R=300.00m α=1°18'16" IWSI=0.02m
L=29.46m
L=29.23m R=45.00m α=37°12'45" IWSI=2.48m
L=54.21m
L=35.30m R=100.00m α=20°13'39" IWSI=1.58m
L=11.58m
L=4.66m R=20.00m α=13°21'05" IWSI=0.14m
L=11.34m R=20.00m α=32°29'25" IWSI=0.83m
L=3.89m
L=13.81m R=50.00m α=15°49'38" IWSI=0.48m
L=22.59m
L=9.76m R=300.00m α=1°51'48" IWSI=0.04m
L=21.82m
32.33 39.16 46.57 55.35 68.62 84.89 97.85 02.44 18.91 44.89 52.06 54.12 67.75 87.36 95.06 98.06 98.94 03.60 14.28 14.94 18.83 21.49 32.64 36.50 55.23 56.31 64.98 73.55
800
900


28.10m
65
35.83m
66
32.82m
67
26.99m
68
32.49m
69
32.00m
70
29.11m
2+003.99
2+039.82
2+072.64
2+099.62
2+132.12
2+164.11
Δi=+1.90% rz. 343.61m
km 1+993.80
Δi=+1.20% rz. 343.54m
km 2+002.08
Δi=+0.60% rz. 343.61m
km 2+024.11
Δi=+1.50% rz. 343.53m
km 2+050.93
Δi=+1.60% rz. 343.76m
km 2+070.40
Δi=+0.10% rz. 343.63m
km 2+103.35
Δi=+0.70% rz. 343.53m
km 2+136.87
Δi=+0.10% rz. 343.63m
km 2+161.72
1.00%
-0.90%
0.30%
-0.30%
1.20%
-0.40%
-0.30%
0.40%
0.30%
343.54 343.61 343.54 343.60 343.61 343.56 343.55 343.53 343.66 343.71 343.76 343.73 343.66 343.63 343.60 343.54 343.53 343.55 343.58 343.63 343.64 343.67 343.71
343.34 343.47 343.39 343.39 343.40 343.40 343.40 343.41 343.40 343.38 343.39 343.54 343.57 343.61 343.61 343.62 343.51 343.48 343.46 343.41 343.39 343.39 343.39 343.39 343.41 343.45 343.48 343.48 343.49 343.51 343.51 343.50
343.57 343.36 343.37 343.28 343.34 343.42 343.59 343.41 343.76 343.70 343.50 343.69 343.41 343.46 343.41 343.31 343.28 343.29 343.46 343.37 343.44 343.34 343.31
-0.02 0.25 0.17 0.32 0.27 0.15 -0.03 0.11 -0.10 0.01 0.26 0.04 0.25 0.16 0.19 0.23 0.24 0.26 0.12 0.26 0.20 0.33 0.40
i=1.00%
L=20.26m
i=-0.90%
L=8.28m
i=0.30%
L=22.03m
i=-0.30%
L=26.82m
i=1.20%
L=19.47m
i=-0.40%
L=32.95m
i=-0.30%
L=33.52m
i=0.40%
L=24.85m
i=0.30%
L=27.63m
L=34.37m
R=200.00m
α=9°50'50"
IWSI=0.74m
L=16.73m
R=200.00m
α=4°47'31"
IWSI=0.17m
L=3.83m
L=20.70m
R=80.00m
α=14°49'20"
IWSI=0.67m
L=3.94m
L=12.53m
R=80.00m
α=8°58'26"
IWSI=0.25m
L=16.99m
L=7.46m
R=200.00m
α=2°08'09"
IWSI=0.03m
L=10.08m
L=18.69m
R=80.00m
α=13°23'00"
IWSI=0.55m
L=10.70m
R=20.00m
α=30°38'55"
IWSI=0.74m
L=7.88m
L=11.03m
R=80.00m
α=7°53'54"
IWSI=0.19m
L=4.79m
L=11.31m
R=50.00m
α=12°57'45"
IWSI=0.32m
86.81 93.80 02.08 21.18 24.11 37.91 41.73 50.93 62.43 66.37 70.40 78.90 95.89 03.35 13.43 32.12 36.87 42.81 50.69 61.72 66.51 77.82 89.34
2
100

LEGENDA:

🟩	ukształtowanie istniejącego terenu z pomiaru geodezyjnego
⬛	ukształtowanie istniejącego terenu LIDAR
🟥	proj. niweleta ścieżki edukacyjno-przyrodniczej

PRACOWNIA DROGOWA

AB-PROJEKT

mgr inż. Andrzej BZÓWKA
41-215 Sosnowiec
ul. Starzyńskiego 51
Tel/Fax: 32 263-39-33
NIP: 631-166-41-13

UMOWA NR: *887/2019/IOŚ* *z dnia 18.12.2019r.*	INWESTOR: **MIASTO ŻYWIEC** *ul. Rynek 2; 34-300 Żywiec*

TYTUŁ OPRACOWANIA:

"Budowa ścieżki edukacyjno-przyrodniczej w Żywcu - Etap III"

TYTUŁ RYSUNKU:

Profil podłużny (część 2 - od km 0+983.53 do km 2+189.34)

OPRACOWAŁ: *mgr inż. Grzegorz OSTASZEWSKI*	NR UPR.:	PODPIS:	SKALA: *1:500/50*
OPRACOWAŁ:	NR UPR.:	PODPIS:	DATA: *luty 2021*
PROJEKTOWAŁ: *mgr inż. Andrzej BZÓWKA*	NR UPR.: *107 / 98*	PODPIS:	BRANŻA: *DROGOWA*
SPRAWDZIŁ:	NR UPR.:	PODPIS:	NR RYS.: *D.3.2*