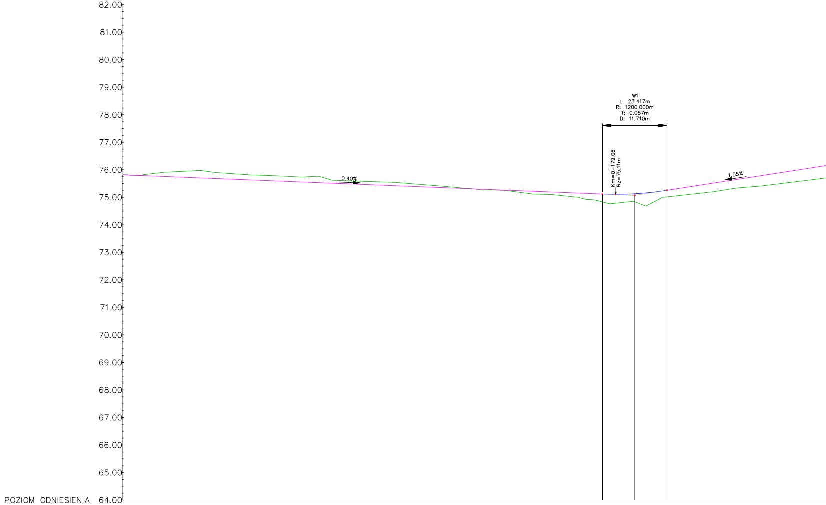
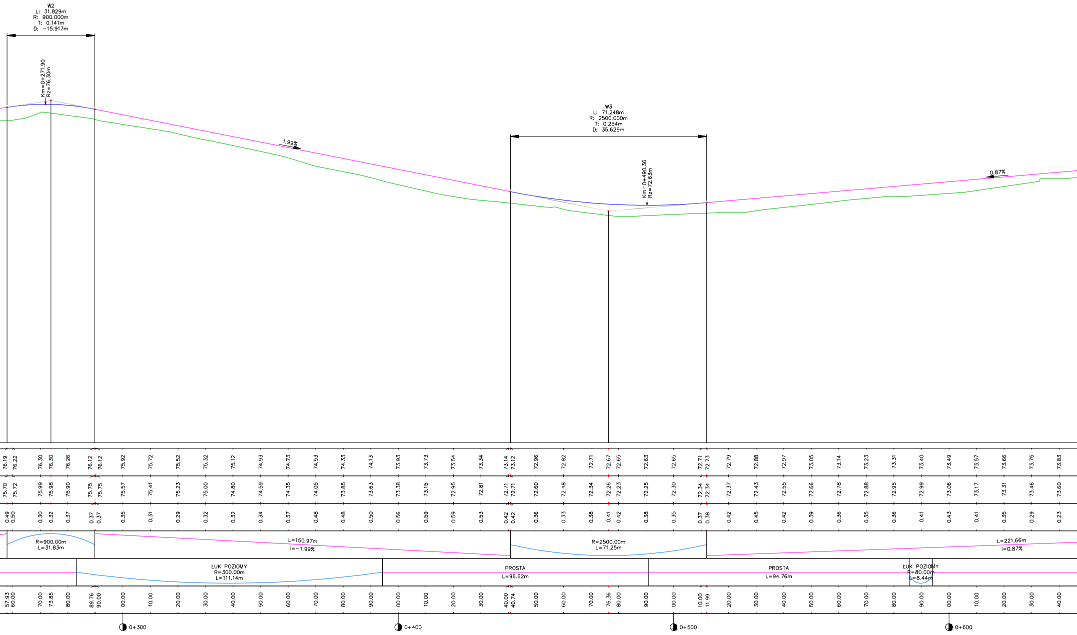


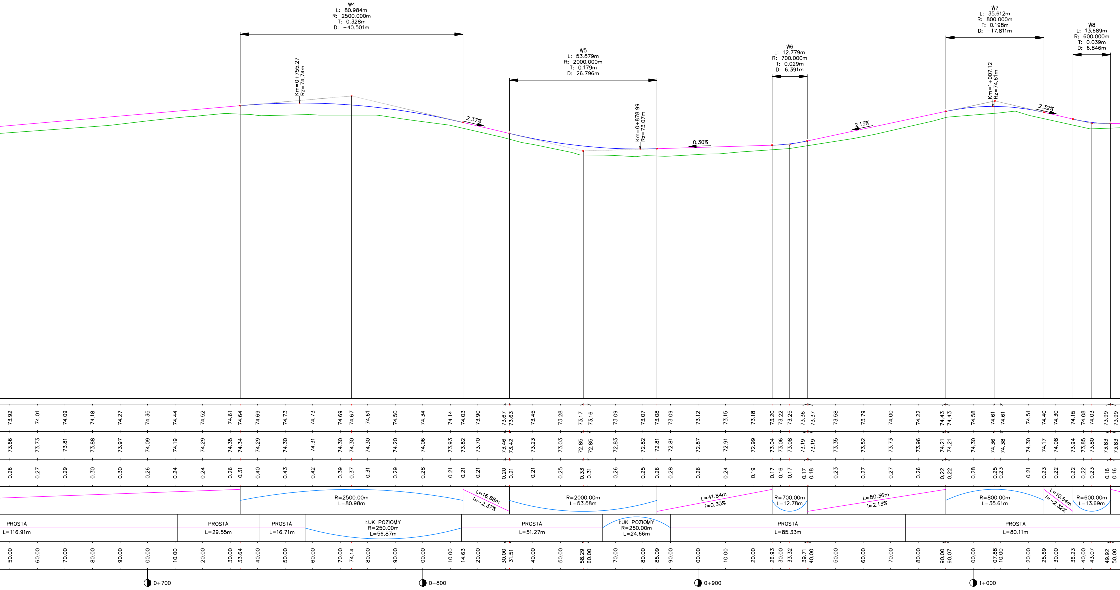
Rzędne niwelety	75.82	75.78	75.74	75.70	75.66	75.62	75.58	75.54	75.50	75.46	75.42	75.38	75.34	75.30	75.26
Rzędne istniejące	75.82	75.85	75.94	75.95	75.86	75.80	75.76	75.76	75.61	75.57	75.53	75.45	75.37	75.28	75.24
Różnice rzędnych	0.00	−0.08	−0.20	−0.25	−0.20	−0.19	−0.19	−0.22	−0.11	−0.12	−0.12	−0.08	−0.03	0.02	0.02
Odległości	00.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	00.00	10.00	20.00	30.00	40.00
Kilometraż	0+000										0+100				

Rzędne niwelety	75.22	75.18	75.14	75.12	75.11	75.13	75.16	75.26	75.29	75.45	75.60	75.76	75.91	76.07
Rzędne istniejące	75.12	75.06	74.92	74.83	74.80	74.84	74.68	75.01	75.04	75.15	75.29	75.39	75.51	75.63
Różnice rzędnych	0.10	0.12	0.22	0.29	0.31	0.29	0.48	0.24	0.25	0.29	0.31	0.36	0.40	0.43
Odległości	50.00	60.00	70.00	74.26	80.00	85.97	90.00	97.68	00.00	10.00	20.00	30.00	40.00	50.00
Kilometraż									0+200					

Elementy niwelety
L=174.26m i=−0.40%
R=1200.00m L=23.42m
L=60.26m i=1.55%

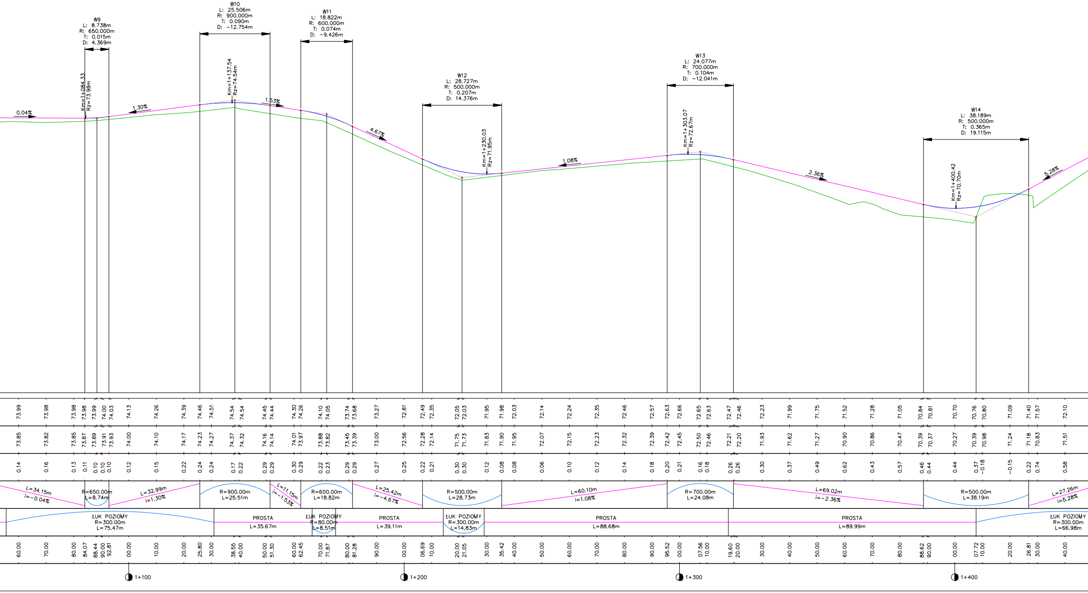
Elementy trasy
PROSTA L=51.99m
ŁUK POZIOMY R=250.00m L=26.59m
PROSTA L=51.51m
ŁUK POZIOMY R=250.00m L=39.50m
PROSTA L=113.50m


W2
L: 31.829m
R: 900.000m
T: 0.141m
D: −15.917m
Km=0+271.90
Rz=76.30m
1.99%
W3
L: 71.248m
R: 2500.000m
T: 0.254m
D: 35.629m
Km=0+490.36
Rz=72.63m
0.87%
76.19 76.22 76.30 76.30 76.26 76.12 76.12 75.92 75.72 75.52 75.32 75.12 74.93 74.73 74.53 74.33 74.13 73.93 73.73 73.54 73.34 73.14 73.12 72.96 72.82 72.71 72.67 72.65 72.63 72.65 72.71 72.73 72.79 72.88 72.97 73.05 73.14 73.23 73.31 73.40 73.49 73.57 73.66 73.75 73.83
75.70 75.72 75.99 75.98 75.90 75.75 75.75 75.57 75.41 75.23 75.00 74.80 74.59 74.35 74.05 73.85 73.63 73.38 73.15 72.95 72.81 72.71 72.71 72.60 72.48 72.34 72.26 72.23 72.25 72.30 72.34 72.34 72.37 72.43 72.55 72.66 72.78 72.88 72.95 72.99 73.06 73.17 73.31 73.46 73.60
0.49 0.50 0.30 0.32 0.37 0.37 0.37 0.35 0.31 0.29 0.32 0.32 0.34 0.37 0.48 0.48 0.50 0.56 0.59 0.59 0.53 0.42 0.42 0.36 0.33 0.38 0.41 0.42 0.38 0.35 0.37 0.38 0.42 0.45 0.42 0.39 0.36 0.35 0.36 0.41 0.43 0.41 0.35 0.29 0.23
R=900.00m
L=31.83m
L=150.97m
i=−1.99%
R=2500.00m
L=71.25m
L=221.66m
i=0.87%
ŁUK POZIOMY
R=300.00m
L=111.14m
PROSTA
L=96.62m
PROSTA
L=94.76m
ŁUK POZIOMY
R=80.00m
L=8.44m
57.93 60.00 70.00 73.85 80.00 89.76 90.00 00.00 10.00 20.00 30.00 40.00 50.00 60.00 70.00 80.00 90.00 00.00 10.00 20.00 30.00 40.00 40.74 50.00 60.00 70.00 76.36 80.00 90.00 00.00 10.00 11.99 20.00 30.00 40.00 50.00 60.00 70.00 80.00 90.00 00.00 10.00 20.00 30.00 40.00
0+300
0+400
0+500
0+600

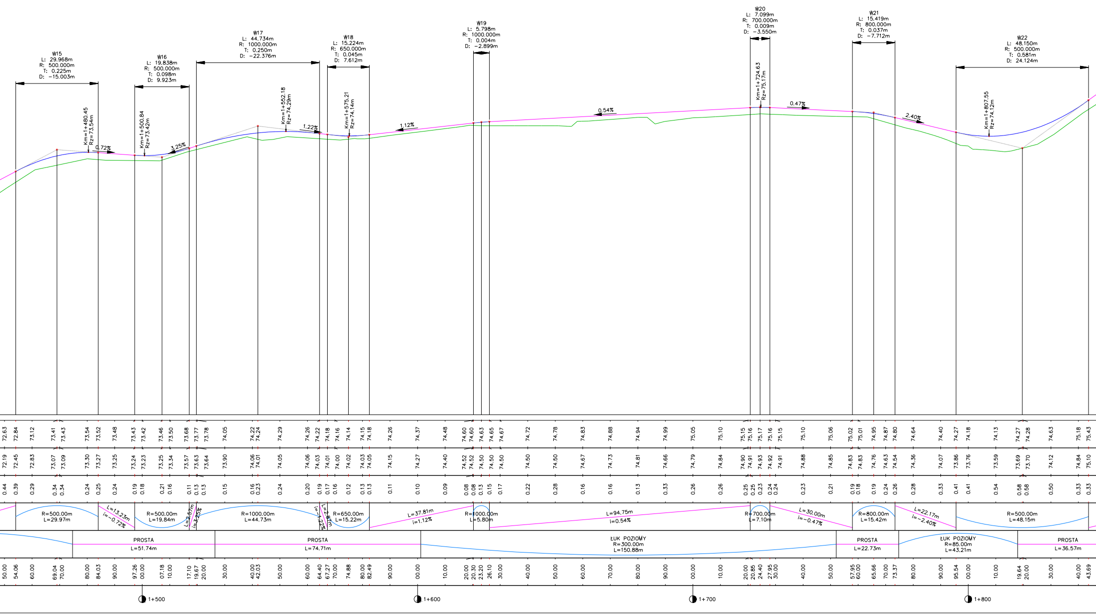

W4
L: 80.984m
R: 2500.000m
T: 0.328m
D: -40.501m
Km=0+755.27
Rz=74.74m
2.37%
W5
L: 53.579m
R: 2000.000m
T: 0.179m
D: 26.796m
Km=0+878.99
Rz=73.07m
0.30%
W6
L: 12.779m
R: 700.000m
T: 0.029m
D: 6.391m
2.13%
W7
L: 35.612m
R: 800.000m
T: 0.198m
D: -17.811m
Km=1+007.12
Rz=74.61m
2.32%
W8
L: 13.689m
R: 600.000m
T: 0.039m
D: 6.846m
73.92 74.01 74.09 74.18 74.27 74.35 74.44 74.52 74.61 74.64 74.69 74.73 74.73 74.69 74.67 74.61 74.50 74.34 74.14 74.03 73.90 73.67 73.63 73.45 73.28 73.17 73.16 73.09 73.07 73.08 73.09 73.12 73.15 73.18 73.20 73.22 73.25 73.36 73.37 73.58 73.79 74.00 74.22 74.43 74.43 74.58 74.61 74.61 74.51 74.40 74.30 74.15 74.08 74.03 73.99 73.99
73.66 73.73 73.81 73.88 73.97 74.09 74.19 74.29 74.35 74.34 74.29 74.30 74.31 74.30 74.30 74.30 74.20 74.06 73.93 73.82 73.70 73.46 73.42 73.23 73.03 72.85 72.85 72.83 72.82 72.81 72.81 72.87 72.91 72.99 73.04 73.06 73.08 73.19 73.19 73.35 73.52 73.73 73.96 74.21 74.21 74.30 74.36 74.38 74.30 74.17 74.08 73.94 73.85 73.80 73.83 73.83
0.26 0.27 0.29 0.30 0.30 0.26 0.24 0.24 0.26 0.31 0.40 0.43 0.42 0.39 0.37 0.31 0.29 0.28 0.21 0.21 0.21 0.20 0.21 0.21 0.25 0.33 0.31 0.26 0.25 0.26 0.28 0.26 0.24 0.19 0.17 0.16 0.17 0.17 0.18 0.23 0.27 0.27 0.26 0.22 0.22 0.28 0.25 0.23 0.21 0.23 0.22 0.22 0.22 0.23 0.16 0.16
R=2500.00m
L=80.98m
L=16.88m
i=-2.37%
R=2000.00m
L=53.58m
L=41.84m
i=0.30%
R=700.00m
L=12.78m
L=50.36m
i=2.13%
R=800.00m
L=35.61m
L=10.54m
i=-2.32%
R=600.00m
L=13.69m
PROSTA
L=116.91m
PROSTA
L=29.55m
PROSTA
L=16.71m
ŁUK POZIOMY
R=250.00m
L=56.87m
PROSTA
L=51.27m
ŁUK POZIOMY
R=250.00m
L=24.66m
PROSTA
L=85.33m
PROSTA
L=80.11m
50.00 60.00 70.00 80.00 90.00 00.00 10.00 20.00 30.00 33.64 40.00 50.00 60.00 70.00 74.14 80.00 90.00 00.00 10.00 14.63 20.00 30.00 31.51 40.00 50.00 58.29 60.00 70.00 80.00 85.09 90.00 00.00 10.00 20.00 26.93 30.00 33.32 39.71 40.00 50.00 60.00 70.00 80.00 90.00 90.07 00.00 07.88 10.00 20.00 25.69 30.00 36.23 40.00 43.07 49.92 50.00
0+700
0+800
0+900
1+000

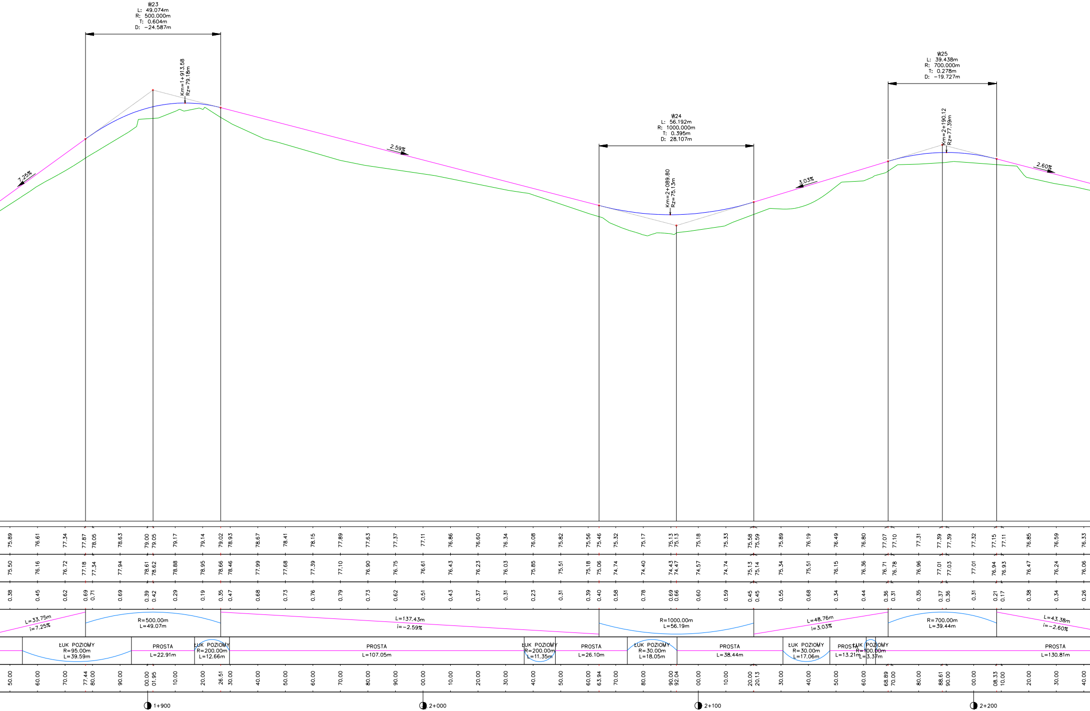
PRZEKRÓJ PODŁUŻNY

skala 1:100:1000

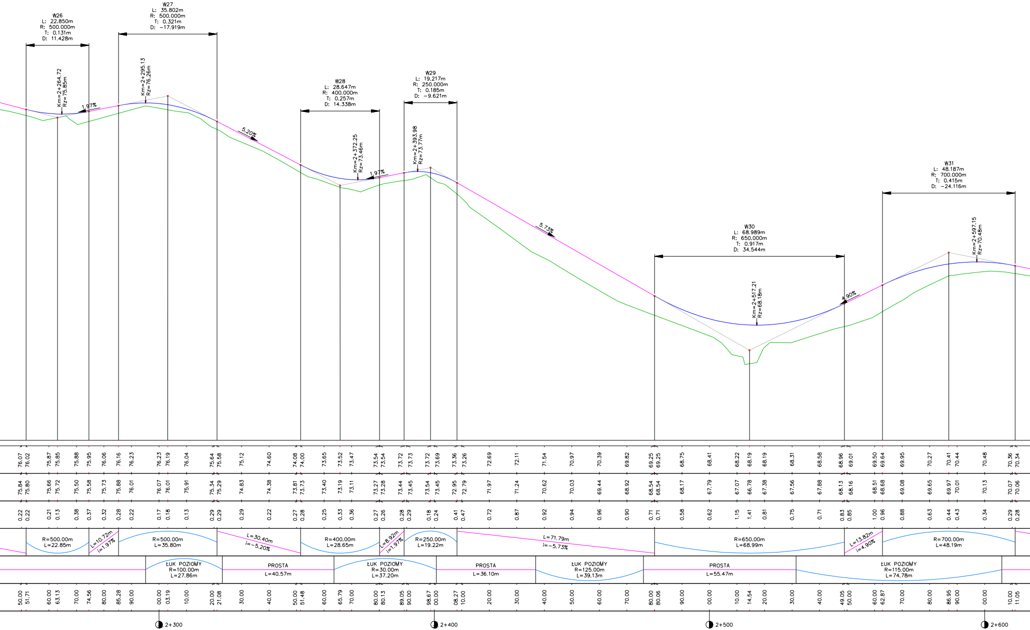


W9
L: 8.738m
R: 650.000m
T: 0.015m
D: 4.369m
Km=1+084.33
Rz=73.98m
W10
L: 25.506m
R: 900.000m
T: 0.090m
D: -12.754m
Km=1+137.54
Rz=74.54m
W11
L: 18.822m
R: 600.000m
T: 0.074m
D: -9.426m
W12
L: 28.727m
R: 500.000m
T: 0.207m
D: 14.376m
Km=1+230.03
Rz=71.95m
W13
L: 24.077m
R: 700.000m
T: 0.104m
D: -12.041m
Km=1+303.07
Rz=72.67m
W14
L: 38.189m
R: 500.000m
T: 0.365m
D: 19.115m
Km=1+400.42
Rz=70.70m
0.04%
1.30%
1.53%
4.67%
1.08%
2.36%
5.28%
73.99 73.98 73.98 73.98 73.99 74.00 74.03 74.13 74.26 74.39 74.46 74.51 74.54 74.54 74.45 74.44 74.30 74.26 74.10 74.05 73.74 73.68 73.27 72.81 72.49 72.35 72.05 72.03 71.95 71.98 72.03 72.14 72.24 72.35 72.46 72.57 72.63 72.66 72.65 72.63 72.47 72.46 72.23 71.99 71.75 71.52 71.28 71.05 70.84 70.81 70.70 70.76 70.80 71.09 71.40 71.57 72.10
73.85 73.82 73.85 73.87 73.89 73.91 73.93 74.00 74.10 74.17 74.23 74.27 74.37 74.32 74.16 74.14 74.01 73.97 73.88 73.82 73.45 73.39 73.00 72.56 72.28 72.14 71.75 71.73 71.83 71.90 71.95 72.07 72.15 72.23 72.32 72.39 72.42 72.45 72.50 72.46 72.21 72.20 71.93 71.62 71.27 70.90 70.86 70.47 70.39 70.37 70.27 70.39 70.98 71.24 71.18 70.83 71.51
0.14 0.16 0.13 0.11 0.10 0.10 0.10 0.12 0.15 0.22 0.24 0.24 0.17 0.22 0.29 0.29 0.30 0.29 0.22 0.23 0.29 0.29 0.27 0.25 0.22 0.21 0.30 0.30 0.12 0.08 0.08 0.06 0.10 0.12 0.14 0.18 0.20 0.21 0.16 0.18 0.26 0.26 0.30 0.37 0.49 0.62 0.43 0.57 0.46 0.44 0.44 0.37 -0.18 -0.15 0.22 0.74 0.58
L=34.15m
i=-0.04%
R=650.00m
L=8.74m
L=32.99m
i=1.30%
R=900.00m
L=25.51m
L=11.15m
i=-1.53%
R=600.00m
L=18.82m
L=25.42m
i=-4.67%
R=500.00m
L=28.73m
L=60.10m
i=1.08%
R=700.00m
L=24.08m
L=69.02m
i=-2.36%
R=500.00m
L=38.19m
L=27.26m
i=5.28%
ŁUK POZIOMY
R=300.00m
L=75.47m
PROSTA
L=35.67m
ŁUK POZIOMY
R=80.00m
L=8.51m
PROSTA
L=39.11m
ŁUK POZIOMY
R=300.00m
L=14.83m
PROSTA
L=88.68m
PROSTA
L=89.99m
ŁUK POZIOMY
R=300.00m
L=66.98m
60.00 70.00 80.00 84.07 88.44 90.00 92.81 00.00 10.00 20.00 25.80 30.00 38.55 40.00 50.00 51.30 60.00 62.45 70.00 71.87 80.00 81.28 90.00 00.00 06.69 10.00 20.00 21.05 30.00 35.42 40.00 50.00 60.00 70.00 80.00 90.00 95.52 00.00 07.56 10.00 19.60 20.00 30.00 40.00 50.00 60.00 70.00 80.00 88.62 90.00 00.00 07.72 10.00 20.00 26.81 30.00 40.00
1+100
1+200
1+300
1+400


W15
L: 29.968m
R: 500.000m
T: 0.225m
D: −15.003m
W16
L: 19.838m
R: 500.000m
T: 0.098m
D: 9.923m
W17
L: 44.734m
R: 1000.000m
T: 0.250m
D: −22.376m
W18
L: 15.224m
R: 650.000m
T: 0.045m
D: 7.612m
W19
L: 5.798m
R: 1000.000m
T: 0.004m
D: −2.899m
W20
L: 7.099m
R: 700.000m
T: 0.009m
D: −3.550m
W21
L: 15.419m
R: 800.000m
T: 0.037m
D: −7.712m
W22
L: 48.150m
R: 500.000m
T: 0.581m
D: 24.124m
Km=1+480.45
Rz=73.54m
0.72%
Km=1+500.84
Rz=73.42m
3.25%
Km=1+552.18
Rz=74.29m
1.22%
Km=1+575.21
Rz=74.14m
1.12%
0.54%
Km=1+724.63
Rz=75.17m
0.47%
2.40%
Km=1+807.55
Rz=74.12m
72.63 72.84 73.12 73.41 73.43 73.54 73.52 73.48 73.43 73.42 73.46 73.50 73.68 73.77 73.78 74.05 74.22 74.24 74.29 74.26 74.22 74.18 74.16 74.14 74.15 74.18 74.26 74.37 74.48 74.60 74.60 74.63 74.65 74.67 74.72 74.78 74.83 74.88 74.94 74.99 75.05 75.10 75.15 75.16 75.17 75.16 75.15 75.10 75.06 75.02 75.01 74.95 74.87 74.80 74.64 74.40 74.27 74.18 74.13 74.27 74.28 74.63 75.18 75.43
72.19 72.45 72.83 73.07 73.09 73.30 73.27 73.25 73.24 73.23 73.25 73.34 73.57 73.63 73.64 73.90 74.06 74.01 74.05 74.06 74.03 74.01 74.00 74.02 74.03 74.05 74.15 74.27 74.40 74.52 74.52 74.50 74.50 74.50 74.50 74.50 74.67 74.73 74.81 74.66 74.79 74.84 74.90 74.91 74.93 74.92 74.91 74.88 74.85 74.83 74.83 74.76 74.63 74.54 74.36 74.07 73.86 73.76 73.59 73.69 73.70 74.12 74.84 75.10
0.44 0.39 0.29 0.34 0.34 0.24 0.25 0.24 0.19 0.18 0.21 0.16 0.11 0.13 0.13 0.15 0.16 0.23 0.24 0.20 0.19 0.17 0.16 0.12 0.13 0.13 0.11 0.10 0.09 0.08 0.08 0.13 0.15 0.17 0.22 0.28 0.16 0.16 0.13 0.33 0.26 0.26 0.25 0.25 0.23 0.24 0.24 0.23 0.21 0.19 0.18 0.19 0.24 0.26 0.28 0.33 0.41 0.41 0.54 0.58 0.58 0.50 0.33 0.33
R=500.00m
L=29.97m
L=13.23m
i=−0.72%
R=500.00m
L=19.84m
L=2.57m
i=3.25%
R=1000.00m
L=44.73m
L=2.87m
i=−1.22%
R=650.00m
L=15.22m
L=37.81m
i=1.12%
R=1000.00m
L=5.80m
L=94.75m
i=0.54%
R=700.00m
L=7.10m
L=30.00m
i=−0.47%
R=800.00m
L=15.42m
L=22.17m
i=−2.40%
R=500.00m
L=48.15m
PROSTA
L=51.74m
PROSTA
L=74.71m
ŁUK POZIOMY
R=300.00m
L=150.88m
PROSTA
L=22.73m
ŁUK POZIOMY
R=85.00m
L=43.21m
PROSTA
L=36.57m
50.00 54.06 60.00 69.04 70.00 80.00 84.03 90.00 97.26 00.00 07.18 10.00 17.10 19.67 20.00 30.00 40.00 42.03 50.00 60.00 64.40 67.27 70.00 74.88 80.00 82.49 90.00 00.00 10.00 20.00 20.30 23.20 26.10 30.00 40.00 50.00 60.00 70.00 80.00 90.00 00.00 10.00 20.00 20.85 24.40 27.95 30.00 40.00 50.00 57.95 60.00 65.66 70.00 73.37 80.00 90.00 95.54 00.00 10.00 19.64 20.00 30.00 40.00 43.69
1+500
1+600
1+700
1+800


W23
L: 49.074m
R: 500.000m
T: 0.604m
D: −24.587m
Km=1+913.58
Rz=79.18m
7.25%
2.59%
W24
L: 56.192m
R: 1000.000m
T: 0.395m
D: 28.107m
Km=2+089.80
Rz=75.13m
3.03%
W25
L: 39.438m
R: 700.000m
T: 0.278m
D: −19.727m
Km=2+190.12
Rz=77.39m
2.60%
L=33.75m
i=7.25%
R=500.00m
L=49.07m
L=137.43m
i=−2.59%
R=1000.00m
L=56.19m
L=48.76m
i=3.03%
R=700.00m
L=39.44m
L=43.38m
i=−2.60%
ŁUK POZIOMY
R=95.00m
L=39.59m
PROSTA
L=22.91m
ŁUK POZIOMY
R=200.00m
L=12.66m
PROSTA
L=107.05m
ŁUK POZIOMY
R=200.00m
L=11.35m
PROSTA
L=26.10m
ŁUK POZIOMY
R=30.00m
L=18.05m
PROSTA
L=38.44m
ŁUK POZIOMY
R=30.00m
L=17.06m
PROSTA
L=13.21m
ŁUK POZIOMY
R=100.00m
L=3.37m
PROSTA
L=130.81m
1+900
2+000
2+100
2+200

75.89	75.50	0.38	50.00
76.61	76.16	0.45	60.00
77.34	76.72	0.62	70.00
77.87	77.18	0.69	77.44
78.05	77.34	0.71	80.00
78.63	77.94	0.69	90.00
79.00	78.61	0.39	00.00
79.05	78.62	0.42	01.95
79.17	78.88	0.29	10.00
79.14	78.95	0.19	20.00
79.02	78.66	0.35	26.51
78.93	78.46	0.47	30.00
78.67	77.99	0.68	40.00
78.41	77.68	0.73	50.00
78.15	77.39	0.76	60.00
77.89	77.10	0.79	70.00
77.63	76.90	0.73	80.00
77.37	76.75	0.62	90.00
77.11	76.61	0.51	00.00
76.86	76.43	0.43	10.00
76.60	76.23	0.37	20.00
76.34	76.03	0.31	30.00
76.08	75.85	0.23	40.00
75.82	75.51	0.31	50.00
75.56	75.18	0.39	60.00
75.46	75.06	0.40	63.94
75.32	74.74	0.58	70.00
75.17	74.40	0.78	80.00
75.13	74.43	0.69	90.00
75.13	74.47	0.66	92.04
75.18	74.57	0.60	00.00
75.33	74.74	0.59	10.00
75.58	75.13	0.45	20.00
75.59	75.14	0.45	20.13
75.89	75.34	0.55	30.00
76.19	75.51	0.68	40.00
76.49	76.15	0.34	50.00
76.80	76.36	0.44	60.00
77.07	76.71	0.36	68.89
77.10	76.78	0.31	70.00
77.31	76.96	0.35	80.00
77.39	77.01	0.37	88.61
77.39	77.03	0.36	90.00
77.32	77.01	0.31	00.00
77.15	76.94	0.21	08.33
77.11	76.93	0.17	10.00
76.85	76.47	0.38	20.00
76.59	76.24	0.34	30.00
76.33	76.06	0.26	40.00


W26
L: 22.850m
R: 500.000m
T: 0.131m
D: 11.428m
W27
L: 35.802m
R: 500.000m
T: 0.321m
D: -17.919m
Km=2+264.72
Rz=75.85m
Km=2+295.13
Rz=76.26m
1.97%
5.20%
W28
L: 28.647m
R: 400.000m
T: 0.257m
D: 14.338m
Km=2+372.25
Rz=73.46m
1.97%
W29
L: 19.217m
R: 250.000m
T: 0.185m
D: -9.621m
Km=2+393.98
Rz=73.77m
5.73%
W30
L: 68.989m
R: 650.000m
T: 0.917m
D: 34.544m
Km=2+517.21
Rz=68.18m
4.90%
W31
L: 48.187m
R: 700.000m
T: 0.415m
D: -24.116m
Km=2+597.15
Rz=70.48m
76.07 76.02 75.87 75.85 75.88 75.95 76.06 76.16 76.23 76.23 76.19 76.04 75.64 75.58 75.12 74.60 74.08 74.00 73.65 73.52 73.47 73.54 73.54 73.72 73.73 73.72 73.69 73.36 73.26 72.69 72.11 71.54 70.97 70.39 69.82 69.25 69.25 68.75 68.41 68.22 68.19 68.19 68.31 68.58 68.96 69.01 69.50 69.64 69.95 70.27 70.41 70.44 70.48 70.36 70.34
75.84 75.80 75.66 75.72 75.50 75.58 75.73 75.88 76.01 76.07 76.01 75.91 75.34 75.29 74.83 74.38 73.81 73.73 73.40 73.19 73.11 73.27 73.28 73.44 73.45 73.54 73.45 72.95 72.79 71.97 71.24 70.62 70.03 69.44 68.92 68.54 68.54 68.17 67.79 67.07 66.78 67.38 67.56 67.88 68.13 68.16 68.51 68.68 69.08 69.65 69.97 70.01 70.13 70.07 70.06
0.22 0.22 0.21 0.13 0.38 0.37 0.32 0.28 0.22 0.17 0.18 0.13 0.29 0.29 0.29 0.22 0.27 0.28 0.25 0.33 0.36 0.27 0.26 0.28 0.29 0.18 0.24 0.41 0.47 0.72 0.87 0.92 0.94 0.96 0.90 0.71 0.71 0.58 0.62 1.15 1.41 0.81 0.75 0.71 0.83 0.85 1.00 0.96 0.88 0.63 0.44 0.43 0.34 0.29 0.28
R=500.00m
L=22.85m
L=10.72m
i=1.97%
R=500.00m
L=35.80m
L=30.40m
i=-5.20%
R=400.00m
L=28.65m
L=8.92m
i=1.97%
R=250.00m
L=19.22m
L=71.79m
i=-5.73%
R=650.00m
L=68.99m
L=13.82m
i=4.90%
R=700.00m
L=48.19m
ŁUK POZIOMY
R=100.00m
L=27.86m
PROSTA
L=40.57m
ŁUK POZIOMY
R=30.00m
L=37.20m
PROSTA
L=36.10m
ŁUK POZIOMY
R=125.00m
L=39.13m
PROSTA
L=55.47m
ŁUK POZIOMY
R=115.00m
L=74.78m
50.00 51.71 60.00 63.13 70.00 74.56 80.00 85.28 90.00 00.00 03.19 10.00 20.00 21.08 30.00 40.00 50.00 51.48 60.00 65.79 70.00 80.00 80.13 89.05 90.00 98.67 00.00 08.27 10.00 20.00 30.00 40.00 50.00 60.00 70.00 80.00 80.06 90.00 00.00 10.00 14.54 20.00 30.00 40.00 49.05 50.00 60.00 62.87 70.00 80.00 86.95 90.00 00.00 10.00 11.05
2+300
2+400
2+500
2+600

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661 415 888
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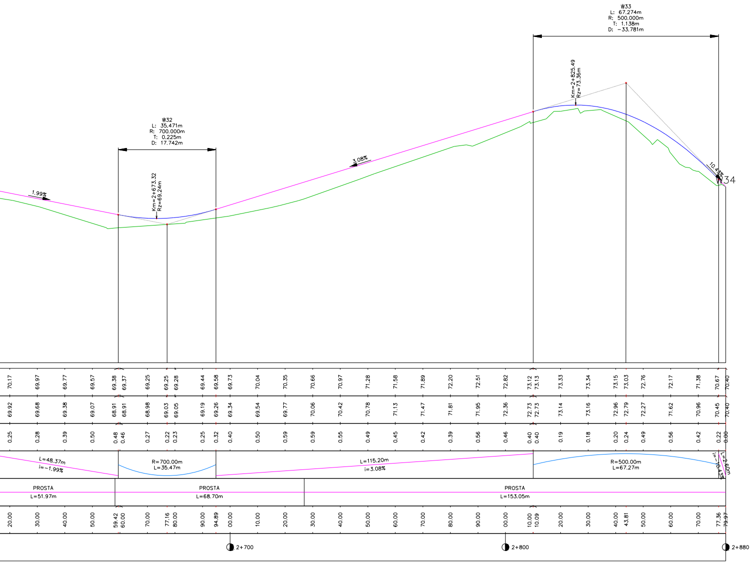
ŁUPAWA 40, 76-242 ŁUPAWA

TEMAT:
BUDOWA DROGI LEŚNEJ NR 24 W LEŚNICTWIE GOGOLEWO

PROJEKTOWAŁ (branża drogowa): Janusz Szczepański upr. bud. nr POM/0082/ZOOD/09	podpis	DATA: maj 2024
SPRAWDZIŁ (branża drogowa): dr inż. Marcin Szczepański upr. bud nr POM/0079/POOD/14	podpis	SKALA: 1:100:1000
PRZEKRÓJ PODŁUŻNY		Rys. nr 4


W32
L: 35.471m
R: 700.000m
T: 0.225m
D: 17.742m
Km=2+673.32
Rz=69.24m
1.99%
3.08%
W33
L: 67.274m
R: 500.000m
T: 1.138m
D: -33.781m
Km=2+825.49
Rz=73.36m
10.43%
W34
70.17 69.97 69.77 69.57 69.38 69.37 69.25 69.25 69.28 69.44 69.58 69.73 70.04 70.35 70.66 70.97 71.28 71.58 71.89 72.20 72.51 72.82 73.12 73.13 73.33 73.34 73.15 73.03 72.76 72.17 71.38 70.67 70.40
69.92 69.68 69.38 69.07 68.91 68.91 68.98 69.03 69.05 69.19 69.26 69.34 69.54 69.77 70.06 70.42 70.78 71.13 71.47 71.81 71.95 72.36 72.73 72.73 73.14 73.16 72.96 72.79 72.27 71.62 70.96 70.45 70.40
0.25 0.28 0.39 0.50 0.48 0.46 0.27 0.22 0.23 0.25 0.32 0.40 0.50 0.59 0.59 0.55 0.49 0.45 0.42 0.39 0.56 0.46 0.40 0.40 0.19 0.18 0.20 0.24 0.49 0.56 0.42 0.22 0.00
L=48.37m
i=-1.99%
R=700.00m
L=35.47m
L=115.20m
i=3.08%
R=500.00m
L=67.27m
i=-10.43%
L=2.60m
PROSTA
L=51.97m
PROSTA
L=68.70m
PROSTA
L=153.05m
20.00 30.00 40.00 50.00 59.42 60.00 70.00 77.16 80.00 90.00 94.89 00.00 10.00 20.00 30.00 40.00 50.00 60.00 70.00 80.00 90.00 00.00 10.00 10.09 20.00 30.00 40.00 43.81 50.00 60.00 70.00 77.36 79.97
2+700
2+800
2+880