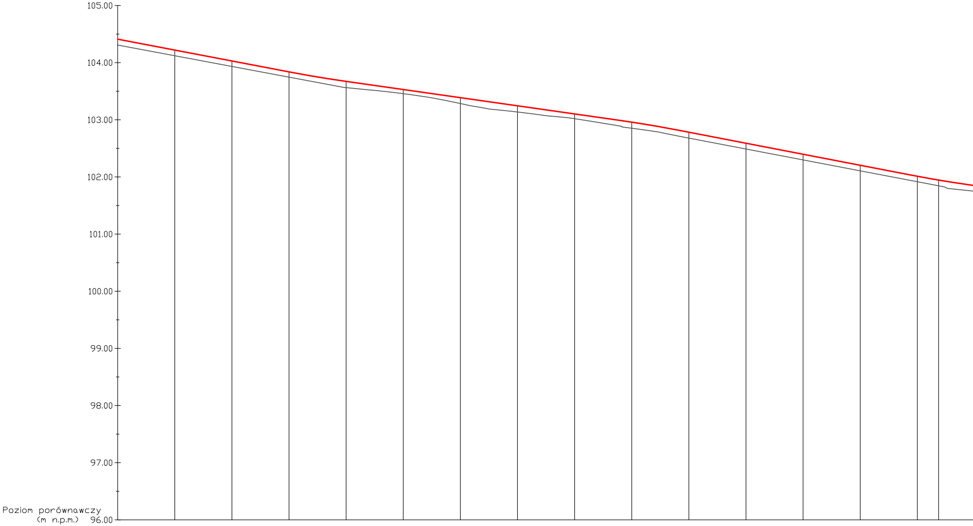
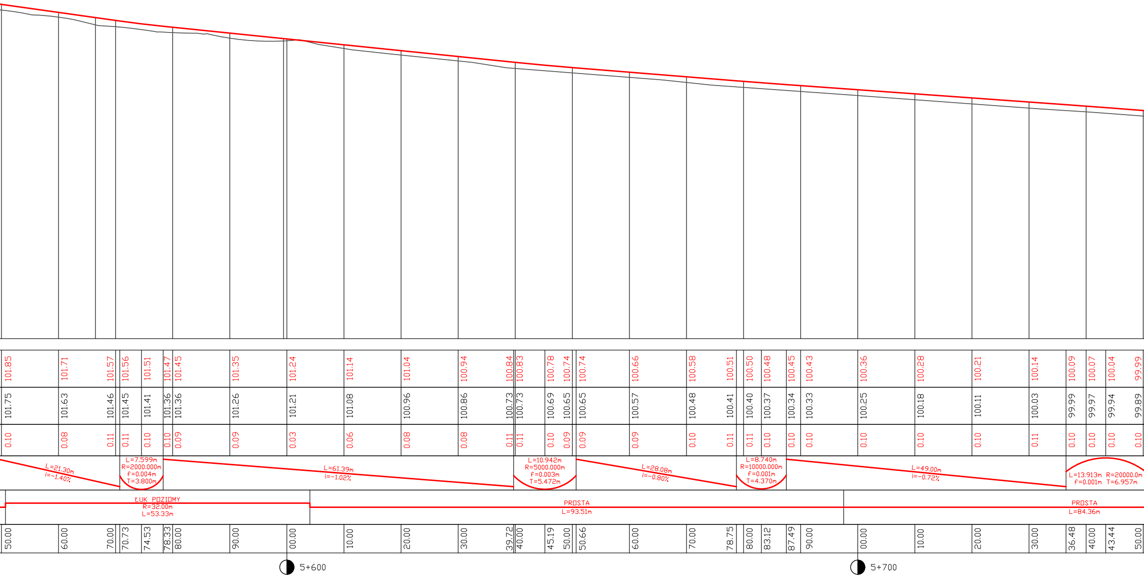
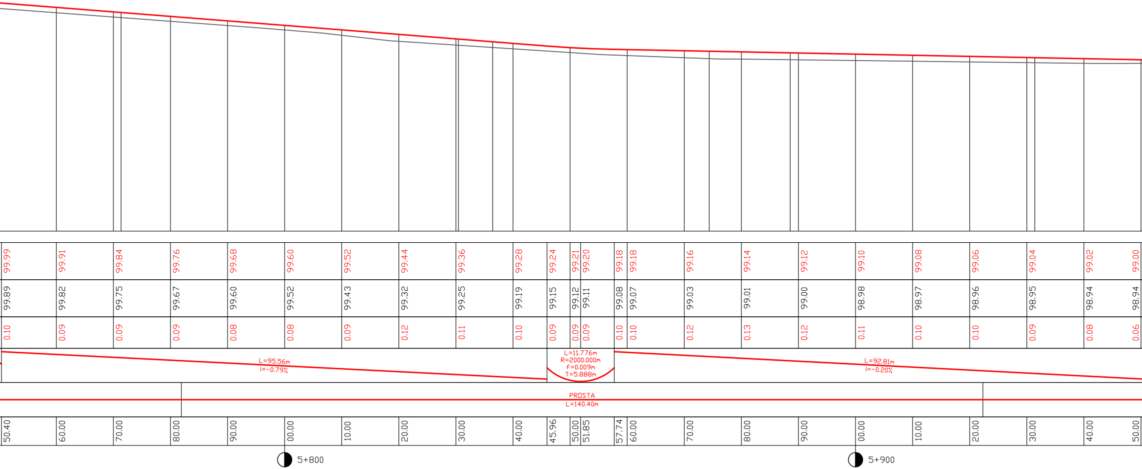


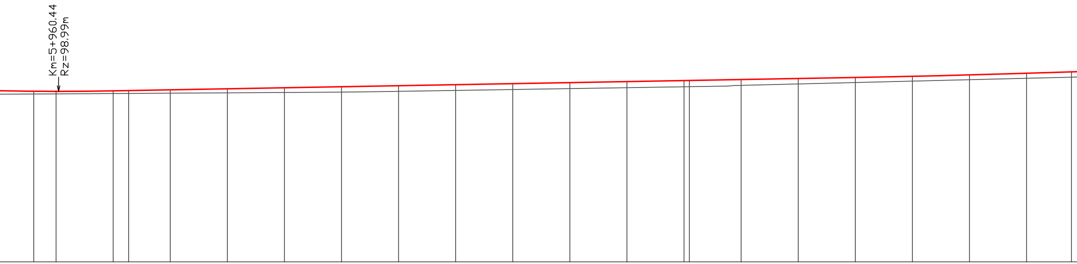
Rzędne niwelety	104.41	104.22	104.03	103.84	103.83	103.75	103.67	103.67	103.53	103.39	103.24	103.10	102.99	102.96	102.91	102.82
Rzędne terenu	104.31	104.12	103.93	103.75	103.74	103.65	103.56	103.56	103.46	103.28	103.14	103.02	102.89	102.85	102.81	102.72
Różnice rzędnych	0.10	0.10	0.10	0.09	0.09	0.10	0.11	0.11	0.07	0.10	0.11	0.08	0.10	0.11	0.10	0.10
Elementy niwelety	L=47.96m i=-1.91%				L=9.647mv R=2000.000m f=0.006m T=4.825m			L=48.15m i=-1.42%					L=10.076m R=2000.000m f=0.006m T=5.040m			L=40.84m i=-1.93%
Elementy trasy	PROSTA L=66.51m								ŁUK POZIOMY R=120.00m L=56.48m							
Odległości	00.00	10.00	20.00	30.00	30.23	35.05	39.87	40.00	50.00	60.00	70.00	80.00	88.02	90.00	93.06	98.10
Kilometraż	5+400															

Rzędne niwelety	102.78	102.59	102.40	102.20	102.03	102.01	101.94	101.86
Rzędne terenu	102.68	102.49	102.30	102.11	101.94	101.92	101.84	101.76
Różnice rzędnych	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Elementy niwelety					L=10.483m R=2000.000m f=0.007m T=5.243m			
Elementy trasy	PROSTA L=51.87m							
Odległości	00.00	10.00	20.00	30.00	38.94	40.00	44.19	49.43
Kilometraż	5+500							


L=21.30m
i=-1.40%
L=7.599m
R=2000.000m
f=0.004m
T=3.800m
L=61.39m
i=-1.02%
L=10.942m
R=5000.000m
f=0.003m
T=5.472m
L=28.08m
i=-0.80%
L=8.740m
R=10000.000m
f=0.001m
T=4.370m
L=49.00m
i=-0.72%
L=13.913m
R=20000.0m
f=0.001m
T=6.957m
ŁUK POZIOMY
R=32.00m
L=53.33m
PROSTA
L=93.51m
PROSTA
L=84.36m
5+600
5+700

101.85	101.75	0.10	50.00
101.71	101.63	0.08	60.00
101.57	101.46	0.11	70.00
101.56	101.45	0.11	70.73
101.51	101.41	0.10	74.53
101.47	101.36	0.10	78.33
101.45	101.36	0.09	80.00
101.35	101.26	0.09	90.00
101.24	101.21	0.03	00.00
101.14	101.08	0.06	10.00
101.04	100.96	0.08	20.00
100.94	100.86	0.08	30.00
100.84	100.73	0.11	39.72
100.83	100.73	0.11	40.00
100.78	100.69	0.10	45.19
100.74	100.65	0.09	50.00
100.74	100.65	0.09	50.66
100.66	100.57	0.09	60.00
100.58	100.48	0.10	70.00
100.51	100.41	0.11	78.75
100.50	100.40	0.11	80.00
100.48	100.37	0.10	83.12
100.45	100.34	0.10	87.49
100.43	100.33	0.10	90.00
100.36	100.25	0.10	00.00
100.28	100.18	0.10	10.00
100.21	100.11	0.10	20.00
100.14	100.03	0.11	30.00
100.09	99.99	0.10	36.48
100.07	99.97	0.10	40.00
100.04	99.94	0.10	43.44
99.99	99.89	0.10	50.00


99.99
99.91
99.84
99.76
99.68
99.60
99.52
99.44
99.36
99.28
99.24
99.21
99.20
99.18
99.18
99.16
99.14
99.12
99.10
99.08
99.06
99.04
99.02
99.00
99.89
99.82
99.75
99.67
99.60
99.52
99.43
99.32
99.25
99.19
99.15
99.12
99.11
99.08
99.07
99.03
99.01
99.00
98.98
98.97
98.96
98.95
98.94
98.94
0.10
0.09
0.09
0.09
0.08
0.08
0.09
0.12
0.11
0.10
0.09
0.09
0.09
0.10
0.10
0.12
0.13
0.12
0.11
0.10
0.10
0.09
0.08
0.06
L=95.56m
i=-0.79%
L=11.776m
R=2000.000m
f=0.009m
T=5.888m
L=92.81m
i=-0.20%
PROSTA
L=140.40m
50.40
60.00
70.00
80.00
90.00
00.00
10.00
20.00
30.00
40.00
45.96
50.00
51.85
57.74
60.00
70.00
80.00
90.00
00.00
10.00
20.00
30.00
40.00
50.00
5+800
5+900


Km=5+960.44
Rz=98.99m

99.00	98.99	98.99	99.00	99.01	99.03	99.05	99.07	99.09	99.10	99.12	99.14	99.16	99.18	99.19	99.21	99.23	99.23	99.25	99.26	99.27	99.29	99.30
98.94	98.94	98.95	98.95	98.95	98.96	98.97	98.97	98.99	99.00	99.02	99.03	99.05	99.07	99.09	99.12	99.14	99.14	99.17	99.18	99.19	99.21	99.22
0.06	0.04	0.05	0.05	0.06	0.07	0.08	0.09	0.10	0.10	0.10	0.11	0.11	0.11	0.10	0.10	0.09	0.09	0.08	0.08	0.08	0.09	0.09
50.55	60.00	69.45	70.00	80.00	90.00	00.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	00.00	01.61	10.00	14.10	20.00	26.58	30.00

L=18.904m R=5000.000m
f=0.009m T=9.452m

L=132.16m
i=0.18%

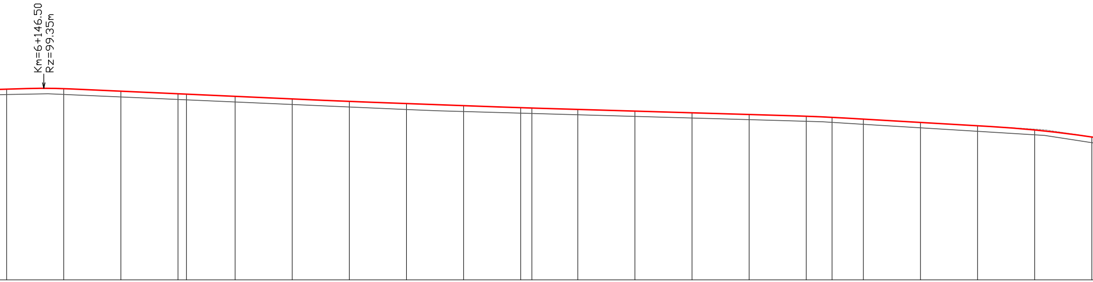
L=24.971m R=20000.000m
f=0.004m T=12.486m

L=16.87m
i=0.31%

PR□STA
L=154.08m

6+000

6+100

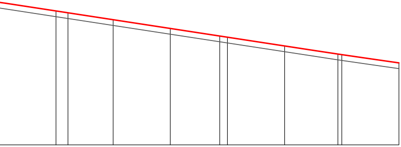

Km=6+146.50
Rz=99.35m

40.00	99.33	99.24	0.09
43.45	99.34	99.25	0.10
47.22 50.00	99.35 99.34	99.25 99.24	0.10 0.10
51.00	99.34	99.24	0.10
60.00	99.30	99.20	0.10
70.00	99.25	99.15	0.10
80.00	99.21	99.11	0.10
90.00	99.16	99.07	0.10
95.40	99.14	99.04	0.10
99.60	99.12	99.02	0.10
00.00	99.12	99.02	0.10
03.81	99.10	99.01	0.10
10.00	99.08	98.98	0.10
20.00	99.05	98.94	0.10
25.99	99.02	98.93	0.10
29.43	99.01	98.92	0.10
30.00	99.01	98.91	0.10
32.86	99.00	98.91	0.09
40.00	98.98	98.89	0.09
50.00	98.95	98.86	0.09
60.00	98.92	98.83	0.09
70.00	98.89	98.80	0.09
78.28	98.87	98.78	0.09
80.00	98.86	98.77	0.09
82.57	98.85	98.76	0.09
86.86	98.83	98.74	0.09
90.00	98.81	98.72	0.09
00.00	98.75	98.66	0.09
10.00	98.69	98.60	0.10
12.23	98.68	98.58	0.10
20.00	98.62	98.54	0.08
21.73	98.60	98.53	0.08
30.00	98.50	98.40	0.10

L=7.547m R=1000.000m f=0.007m T=3.774m
L=44.40m i=-0.45%
L=8.410m R=10000.000m f=0.001m T=4.205m
L=22.19m i=-0.37%
L=6.869m R=10000.0m f=0.001m T=3.434m
L=45.42m i=-0.30%
L=8.585m R=3000.000m f=0.003m T=4.293m
L=25.37m i=-0.58%
L=18.988m R=2000.000m f=0.023m T=9.496m

PROSTA L=137.11m
PROSTA L=149.78m

6+200
6+300



98.48	98.35	98.19	98.04	97.89	97.73	97.66	97.58	97.51	97.44
98.38	98.24	98.09	97.94	97.78	97.63	97.56	97.48	97.41	97.33
0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
31.22	40.00	50.00	60.00	70.00	80.00	84.94	90.00	95.06	00.00

L=53.72m
i=-1.53%

L=10.113m
R=10000.000m
f=0.001m
T=5.058m

L=59.12m
i=-1.43%

PROSTA
L=193.65m

6+400

WYKONAWCA PROJEKTU

Polskie Zrzeszenie Inżynierów i Techników Sanitarnych
00-043 Warszawa | ul. Czackiego 3/5
Biuro Studiów i Rzeczoznawstwa
64-100 Leszno | ul. Towarowa 1

Projektant: Wiesław Kostórkiewicz
Nr uprawnień: 1760/94/Lo

Asystent projektanta: mgr inż. Gerard Skokowski

Asystent projektanta: mgr inż. Piotr Mańkowski

Pod

Pod

Pod

Nazwa obiektu: **Przebudowa drogi powiatowej**
nr 4993P Smogorzewo-Piaski o
granicy powiatu Śremskiego w km 2+92

Tytuł rysunku:

Profil podłużny