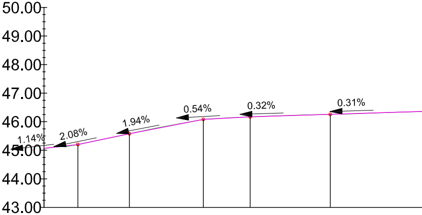
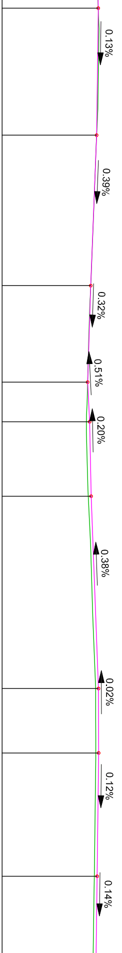


POZIOM ODNIESIENIA

Odległości	Rzędne niwelety	Rzędne istniejące	Różnice rzędnych	Elementy niwelety	Elementy trasy	Kilometraż
00.00	45.07	45.07	0.00	L=???m i=??? L=11.82m i=1.14%	PROSTA L=55.75m	0+000
10.00	45.18	45.17	0.01			
11.82	45.20	45.20	0.00	L=18.04m i=2.08%		
20.00	45.37	45.37	0.00			
29.86	45.58	45.58	0.00	L=25.89m i=1.94%		
30.00	45.58	45.58	0.00			
40.00	45.77	45.79	-0.01			
50.00	45.97	45.97	0.00			
55.75	46.08	46.08	0.00	L=16.37m i=0.54%	ŁUK POZIOMY R=100.00m L=21.82m	
60.00	46.10	46.11	0.00			
70.00	46.16	46.16	0.00			
72.12	46.17	46.17	0.00	L=28.04m i=0.32%		
80.00	46.19	46.20	0.00			
90.00	46.23	46.23	-0.01			
00.00	46.26	46.26	0.00	L=34.96m i=0.31%		0+100
00.15	46.26	46.26	0.00			
10.00	46.29	46.28	0.00			
20.00	46.32	46.32	0.00			
30.00	46.35	46.35	0.00			

	35.12	PROSTA L=154.75m	L=44.50m i=-0.13%	0.00	46.37	46.37
	40.00			-0.02	46.39	46.36
	50.00			-0.03	46.38	46.35
	60.00			-0.03	46.37	46.33
	70.00			-0.03	46.35	46.32
	79.61			0.00	46.31	46.31
	80.00		L=52.71m i=-0.39%	0.00	46.31	46.31
	90.00			0.00	46.27	46.27
0+200	00.00			0.00	46.23	46.23
	10.00			0.00	46.19	46.19
	20.00			0.00	46.16	46.15
	30.00			0.00	46.11	46.11
	32.32	ŁUK POZIOMY R=100.00m L=11.50m	L=33.80m i=-0.32%	0.00	46.10	46.10
	40.00			0.01	46.07	46.08
	50.00	PROSTA L=140.02m		0.01	46.04	46.05
	60.00			0.00	46.01	46.01
	66.12		L=13.88m i=0.51%	0.00	45.99	45.99
	70.00			0.03	45.98	46.01
	80.00		L=26.08m i=0.20%	0.11	45.95	46.06
	90.00			0.12	45.97	46.08
0+300	00.00			0.11	46.00	46.11
	06.08		L=67.38m i=0.38%	0.10	46.02	46.12
	10.00			0.10	46.04	46.13
	20.00			0.09	46.09	46.17
	30.00			0.09	46.12	46.21
	40.00			0.10	46.15	46.25
	50.00			0.10	46.18	46.29
	60.00			0.10	46.22	46.32
	70.00			0.10	46.26	46.36
	73.46		L=22.58m i=0.02%	0.10	46.28	46.38
	80.00			0.10	46.28	46.38
	90.00	ŁUK POZIOMY R=600.00m L=62.31m		0.10	46.28	46.38
	96.04		L=43.19m i=-0.12%	0.10	46.28	46.38
0+400	00.00			0.10	46.28	46.38
	10.00			0.10	46.27	46.36
	20.00			0.10	46.25	46.35
	30.00			0.10	46.24	46.34
	39.23			0.10	46.23	46.33
	40.00		L=32.56m i=-0.14%	0.10	46.23	46.33
	50.00			0.10	46.21	46.31
	60.00			0.10	46.20	46.30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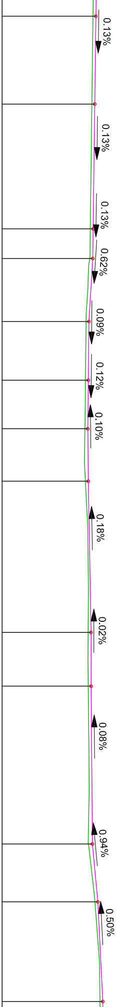
	70.00			0.10	46.19	46.29
	71.79		L=30.75m i=-0.13%	0.10	46.18	46.28
	80.00			0.10	46.17	46.27
	90.00	PROSTA L=104.41m		0.10	46.16	46.26
0+500	00.00			0.10	46.15	46.25
	02.54		L=43.71m i=-0.13%	0.10	46.14	46.24
	10.00			0.10	46.13	46.23
	20.00			0.10	46.12	46.22
	30.00			0.10	46.11	46.21
	40.00			0.10	46.10	46.20
	46.25		L=10.39m i=-0.13%	0.10	46.09	46.19
	50.00	ŁUK POZIOMY R=600.00m L=56.61m		0.10	46.08	46.18
	56.64		L=22.04m i=-0.62%	0.10	46.08	46.18
	60.00			0.13	46.03	46.15
	70.00			0.11	45.98	46.09
	78.69		L=20.57m i=-0.09%	0.10	45.94	46.04
	80.00			0.10	45.94	46.04
	90.00			0.10	45.93	46.03
	99.26		L=16.99m i=-0.12%	0.10	45.92	46.02
0+600	00.00			0.10	45.92	46.02
	10.00			0.10	45.91	46.01
	16.25		L=18.36m i=0.10%	0.10	45.90	46.00
	20.00			0.11	45.89	46.00
	30.00			0.12	45.89	46.01
	34.61		L=52.97m i=0.18%	0.10	45.92	46.02
	40.00			0.08	45.94	46.03
	50.00			0.05	45.99	46.04
	60.00			0.05	46.01	46.06
	70.00			0.06	46.02	46.08
	80.00			0.08	46.02	46.10
	87.58		L=18.80m i=0.02%	0.10	46.01	46.11
	90.00			0.10	46.01	46.11
0+700	00.00			0.11	46.01	46.11
	06.38			0.10	46.02	46.12
	10.00	PROSTA L=220.36m		0.10	46.02	46.12
	20.00			0.10	46.03	46.13
	30.00			0.10	46.04	46.14
	40.00			0.10	46.05	46.14
	50.00			0.12	46.04	46.15
	60.00			0.15	46.02	46.16
	61.63		L=20.26m i=0.94%	0.15	46.01	46.16
	70.00			0.12	46.12	46.24
	80.00			0.10	46.24	46.33
	81.90		L=34.90m i=0.50%	0.10	46.25	46.35
	90.00			0.08	46.31	46.39
0+800	00.00			0.05	46.39	46.44
	10.00			0.07	46.42	46.49
	16.80			0.10	46.43	46.53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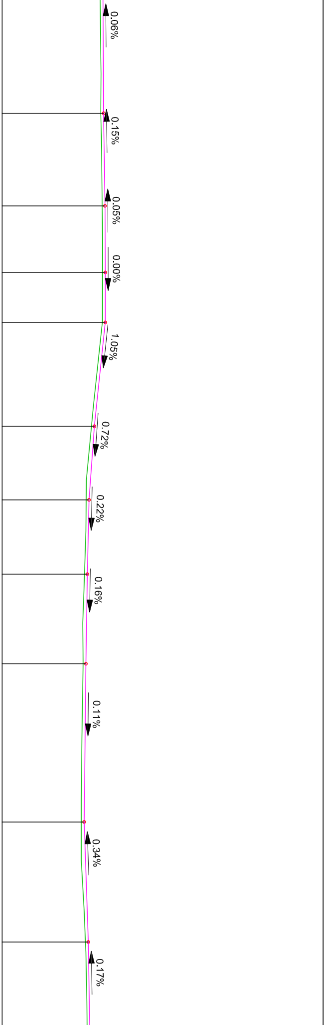
	20.00	PROSTA L=134.37m	L=41.60m i=0.06%	0.10	46.43	46.53
	30.00			0.09	46.44	46.53
	40.00			0.09	46.45	46.54
	50.00			0.09	46.45	46.54
	58.40			0.10	46.45	46.55
	60.00		L=32.43m i=0.15%	0.10	46.45	46.55
	70.00			0.09	46.47	46.57
	80.00			0.09	46.49	46.58
	90.00			0.10	46.50	46.59
	90.83		L=23.33m i=0.05%	0.10	46.50	46.60
0+900	00.00			0.10	46.50	46.60
	10.00			0.10	46.51	46.60
	14.17		L=17.51m i=-0.00%	0.10	46.51	46.61
	20.00			0.10	46.51	46.61
	30.00			0.10	46.51	46.61
	31.67		L=36.40m i=-1.05%	0.10	46.51	46.61
	40.00			0.10	46.42	46.52
	50.00			0.11	46.31	46.41
	60.00			0.11	46.20	46.31
	68.07	PROSTA L=123.76m	L=25.78m i=-0.72%	0.10	46.12	46.22
	70.00			0.10	46.11	46.21
	80.00			0.13	46.01	46.14
	90.00			0.12	45.94	46.07
	93.85		L=26.02m i=-0.22%	0.10	45.94	46.04
1+000	00.00			0.09	45.93	46.02
	10.00			0.09	45.91	46.00
	19.87		L=31.38m i=-0.16%	0.10	45.88	45.98
	20.00			0.10	45.88	45.98
	30.00			0.12	45.84	45.96
	40.00			0.13	45.82	45.95
	50.00			0.10	45.83	45.93
	51.24		L=55.44m i=-0.11%	0.10	45.83	45.93
	60.00			0.10	45.82	45.92
	70.00			0.11	45.80	45.91
	80.00			0.11	45.79	45.90
	90.00	ŁUK POZIOMY R=1500.00m L=84.10m		0.11	45.78	45.89
1+100	00.00			0.11	45.77	45.88
	06.68		L=42.05m i=0.34%	0.10	45.77	45.87
	10.00			0.11	45.77	45.88
	20.00			0.14	45.77	45.91
	30.00			0.13	45.82	45.95
	40.00			0.11	45.88	45.98
	48.73			0.10	45.91	46.01
	50.00		L=41.60m i=0.17%	0.10	45.92	46.01
	60.00			0.09	45.94	46.03
	70.00			0.09	45.96	46.05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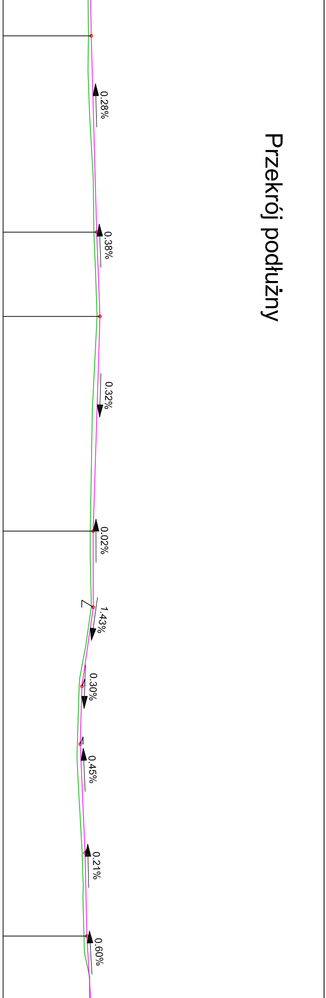
Przekrój podłużny

	80.00	PROSTA L=58.46m		0.09	45.97	46.07
	90.00			0.10	45.98	46.08
	90.33		L=68.79m i=0.28%	0.10	45.98	46.08
1+200	00.00			0.14	45.97	46.11
	10.00			0.14	45.99	46.14
	20.00			0.13	46.03	46.16
	30.00	PROSTA L=30.91m		0.10	46.09	46.19
	40.00			0.07	46.15	46.22
	50.00			0.09	46.16	46.25
	59.13	PROSTA L=29.53m	L=29.53m i=0.38%	0.10	46.17	46.27
	60.00			0.10	46.18	46.28
	70.00			0.09	46.22	46.31
	80.00			0.10	46.26	46.35
	88.66	PROSTA L=101.92m	L=75.22m i=-0.32%	0.10	46.28	46.38
	90.00			0.10	46.28	46.38
1+300	00.00			0.12	46.23	46.35
	10.00			0.14	46.18	46.32
	20.00			0.16	46.13	46.29
	30.00			0.15	46.10	46.25
	40.00			0.14	46.09	46.22
	50.00			0.12	46.07	46.19
	60.00			0.11	46.05	46.16
	63.88		L=26.66m i=0.02%	0.10	46.05	46.15
	70.00			0.11	46.04	46.15
	80.00			0.09	46.06	46.15
	90.00			0.07	46.08	46.15
	90.54	PROSTA L=95.76m	L=27.70m i=-1.43%	0.07	46.08	46.15
1+400	00.00			0.07	45.95	46.02
	10.00			0.10	45.78	45.87
	18.24		L=20.23m i=-0.30%	0.10	45.66	45.76
	20.00			0.10	45.65	45.75
	30.00			0.10	45.62	45.72
	38.47		L=38.15m i=0.45%	0.10	45.59	45.69
	40.00			0.11	45.59	45.70
	50.00			0.13	45.62	45.75
	60.00			0.12	45.67	45.79
	70.00			0.11	45.73	45.84
	76.62		L=29.11m i=0.21%	0.10	45.77	45.87
	80.00			0.10	45.78	45.87
	90.00	PROSTA L=53.44m		0.10	45.80	45.89
1+500	00.00			0.10	45.81	45.91
	05.73		L=31.58m i=0.60%	0.10	45.83	45.93
	10.00			0.11	45.84	45.95
	20.00			-0.01	46.03	46.01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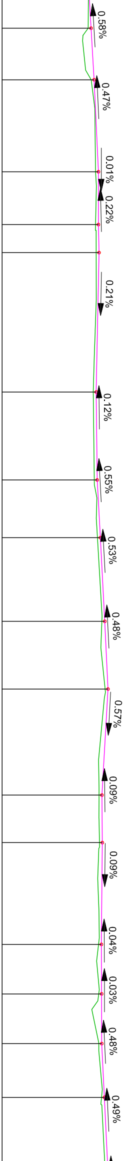
	30.00			0.05	46.02	46.07
	37.31		L=18.07m i=0.58%	0.10	46.02	46.12
	40.00	PROSTA L=96.24m		0.30	45.83	46.13
	50.00			0.29	45.90	46.19
	55.38		L=32.24m i=0.47%	0.10	46.12	46.22
	60.00			0.06	46.18	46.24
	70.00			0.04	46.25	46.29
	80.00			0.07	46.26	46.34
	87.61		L=18.50m i=-0.01%	0.10	46.27	46.37
	90.00			0.09	46.29	46.37
1+600	00.00			0.09	46.28	46.37
	06.11		L=9.82m i=0.22%	0.10	46.27	46.37
	10.00			0.09	46.29	46.38
	15.93		L=48.84m i=-0.21%	0.10	46.29	46.39
	20.00			0.09	46.29	46.39
	30.00			0.07	46.30	46.36
	40.00	ŁUK POZIOMY R=800.00m L=28.52m		0.07	46.27	46.34
	50.00			0.09	46.24	46.32
	60.00			0.10	46.21	46.30
	64.78	PROSTA L=34.38m	L=30.80m i=0.12%	0.10	46.19	46.29
	70.00			0.10	46.20	46.30
	80.00			0.10	46.21	46.31
	90.00			0.10	46.22	46.32
	95.58		L=20.22m i=0.55%	0.10	46.23	46.33
1+700	00.00	PROSTA L=58.30m		0.07	46.28	46.35
	10.00			0.10	46.30	46.41
	15.80		L=29.30m i=0.53%	0.10	46.34	46.44
	20.00			0.10	46.36	46.46
	30.00			0.09	46.42	46.51
	40.00			0.09	46.48	46.57
	45.11		L=23.72m i=0.48%	0.10	46.49	46.59
	50.00			0.14	46.47	46.62
	60.00	PROSTA L=50.45m		0.15	46.52	46.67
	68.83		L=37.15m i=-0.57%	0.10	46.61	46.71
	70.00			0.08	46.62	46.70
	80.00			0.14	46.51	46.64
	90.00			0.17	46.41	46.59
1+800	00.00			0.14	46.39	46.53
	05.98	ŁUK POZIOMY R=600.00m L=48.18m	L=16.64m i=0.09%	0.10	46.39	46.49
	10.00			0.11	46.39	46.50
	20.00			0.10	46.40	46.51
	22.62		L=35.68m i=-0.09%	0.10	46.41	46.51
	30.00			0.14	46.37	46.50
	40.00			0.13	46.37	46.49
	50.00			0.09	46.39	46.48
	58.30	PROSTA L=50.08m	L=17.33m i=0.04%	0.10	46.38	46.48
	60.00			0.12	46.36	46.48
	70.00			0.12	46.37	46.48
	75.63		L=17.42m i=0.03%	0.10	46.38	46.48
	80.00			0.27	46.21	46.49
	90.00			0.16	46.33	46.49
	93.05		L=18.83m i=0.48%	0.10	46.39	46.49
1+900	00.00			0.10	46.43	46.52
	10.00			0.07	46.50	46.57
	11.88		L=28.74m i=0.49%	0.10	46.48	46.58
	20.00			0.10	46.52	46.62
	30.00			0.10	46.57	46.67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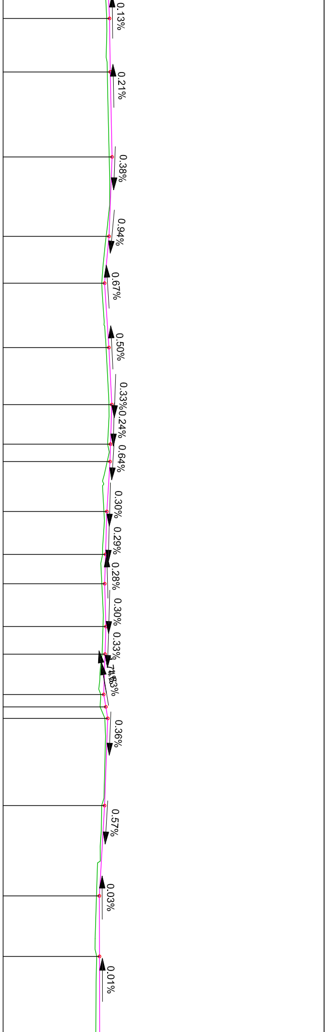
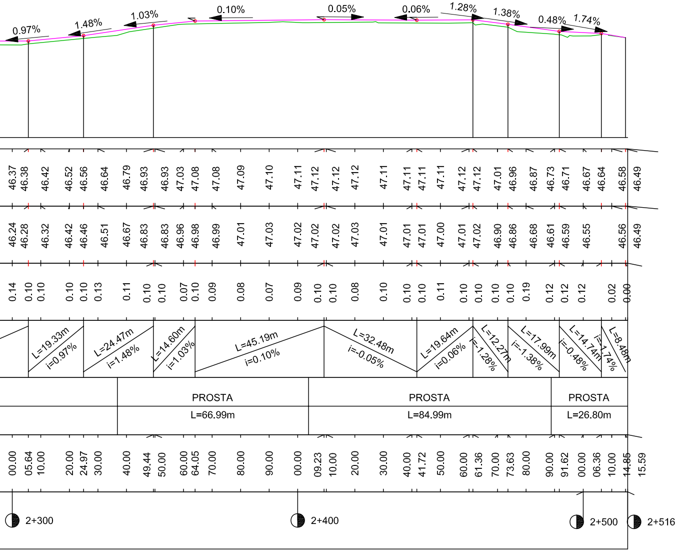
	40.00	PROSTA L=103.53m		0.10	46.62	46.72
	40.62		L=18.74m i=0.13%	0.10	46.62	46.72
	50.00			0.12	46.61	46.73
	59.36		L=29.77m i=0.21%	0.10	46.65	46.75
	60.00			0.10	46.65	46.75
	70.00			0.10	46.66	46.77
	80.00			0.10	46.69	46.79
	89.13		L=27.83m i=-0.38%	0.10	46.71	46.81
	90.00			0.09	46.71	46.81
2+000	00.00			0.04	46.73	46.77
	10.00	ŁUK POZIOMY R=200.00m L=37.57m		0.05	46.68	46.73
	16.96		L=16.41m i=-0.94%	0.10	46.60	46.70
	20.00			0.11	46.57	46.67
	30.00			0.11	46.47	46.58
	33.37		L=22.55m i=0.67%	0.10	46.45	46.55
	40.00			0.11	46.49	46.59
					46.56	46.66
	50.00	PROSTA L=180.54m		0.10	46.60	46.70
	55.92		L=19.98m i=0.50%	0.10	46.62	46.72
	60.00			0.10	46.67	46.77
	70.00			0.10	46.70	46.80
	75.90		L=13.86m i=-0.33%	0.10	46.70	46.79
	80.00			0.08	46.65	46.75
	89.77		L=6.10m i=-0.24%	0.10	46.66	46.75
	90.00			0.09	46.64	46.74
	95.87		L=17.48m i=-0.64%	0.10		
2+100	00.00			0.17	46.54	46.71
					46.51	46.65
	10.00			0.14	46.53	46.63
	13.35		L=15.04m i=-0.30%	0.10	46.52	46.61
	20.00			0.09	46.48	46.58
	28.39		L=10.27m i=-0.29%	0.10	46.45	46.58
	30.00			0.13	46.45	46.55
	38.66		L=15.01m i=0.28%	0.10	46.46	46.55
	40.00			0.10	46.50	46.58
	50.00			0.08	46.49	46.59
	53.67		L=9.66m i=0.30%	0.10	46.47	46.57
	60.00			0.10	46.46	46.56
	63.32		L=14.14m i=-0.33%	0.10	46.39	46.54
	70.00			0.16	46.42	46.52
	77.46		i=7.74% L=4.04m	0.10	46.40	46.56
	80.00		L=1.34m i=1.63%	0.16	46.39	46.59
	81.80		L=30.55m i=-0.36%	0.20		
	85.84			0.10		
	90.00			0.07	46.56	46.66
2+200	00.00			0.05	46.57	46.64
	10.00			0.03	46.56	46.61
	16.39		L=31.63m i=-0.57%	0.10	46.54	46.57
	20.00			0.09	46.45	46.55
	30.00	PROSTA L=109.25m		0.07	46.44	46.53
					46.40	46.47
	40.00			0.12	46.29	46.41
	48.02		L=21.20m i=0.03%	0.10	46.26	46.36
	50.00			0.11	46.26	46.37
	60.00			0.14	46.23	46.37
	69.22		L=36.42m i=0.01%	0.10	46.27	46.37
	70.00			0.10	46.27	46.37
	80.00			0.12	46.25	46.37
	90.00			0.13	46.25	46.37




0.97%
1.48%
1.03%
0.10%
0.05%
0.06%
1.28%
1.38%
0.48%
1.74%
46.37 46.38 46.42 46.52 46.56 46.64 46.79 46.93 46.93 47.03 47.08 47.08 47.09 47.10 47.11 47.12 47.12 47.12 47.11 47.11 47.11 47.11 47.12 47.12 47.01 46.96 46.87 46.73 46.71 46.67 46.64 46.58 46.49
46.24 46.28 46.32 46.42 46.46 46.51 46.67 46.83 46.83 46.96 46.98 46.99 47.01 47.03 47.02 47.02 47.02 47.03 47.01 47.01 47.01 47.00 47.01 47.02 46.90 46.86 46.68 46.61 46.59 46.55 46.56 46.49
0.14 0.10 0.10 0.10 0.10 0.13 0.11 0.10 0.10 0.07 0.10 0.09 0.08 0.07 0.09 0.10 0.10 0.08 0.10 0.10 0.10 0.11 0.10 0.10 0.10 0.10 0.19 0.12 0.12 0.12 0.02 0.00
L=19.33m
i=0.97%
L=24.47m
i=1.48%
L=14.60m
i=1.03%
L=45.19m
i=0.10%
L=32.48m
i=-0.05%
L=19.64m
i=0.06%
L=12.27m
i=-1.28%
L=17.99m
i=-1.38%
L=14.74m
i=-0.48%
i=-1.74%
L=8.48m
PROSTA
L=66.99m
PROSTA
L=84.99m
PROSTA
L=26.80m
00.00 05.64 10.00 20.00 24.97 30.00 40.00 49.44 50.00 60.00 64.05 70.00 80.00 90.00 00.00 09.23 10.00 20.00 30.00 40.00 41.72 50.00 60.00 61.36 70.00 73.63 80.00 90.00 91.62 00.00 06.36 10.00 14.85 15.59
2+300
2+400
2+500
2+516

STUDIO PROJEKTOWE PE-DRO
Piotr Mańczak
64-500 Szamotuły, ul.Lazurowa 10

OBIEKT:
PRZEBUDOWA DROGI POWIATOWEJ 1838P WARTOSŁAW – LUBOWO OD SKRZYŻOWANIA Z DROGAMI GMINNYMI NR 250017P I 250024P NA DŁUGOŚCI OK 2500M

INWESTOR:
ZARZĄD DRÓG POWIATOWYCH W SZAMOTUŁACH
UL. BOLESŁAWA CHROBREGO 6
64-500 SZAMOTUŁY

STADIUM: STAŁA ORGANIZACJA RUCHU		BRANŻA: DROGOWA	
TEMAT RYSUNKU: PRZEKRÓJ PODŁUŻNY	SKALA: 1:1000/100	DATA: 05.2021	NR RYS: 05

PROJEKTOWAŁ	IMIĘ I NAZWISKO	PODPIS
PROJEKTANT:	mgr inż. Piotr Mańczak WKP/0078/POOD/14	
SPRAWDZAJĄCY	mgr inż. Jacek Weiss 7131/183/P/2002	
ASYSTENT PROJ	mgr inż. Wojciech Ciszewski	