

Zestawienie odcinków terenu i niwelety
Zestawienie odcinków niwelety - proste i łuki pionowe

| rodzaj | od | do | spadek [%] | L / T [m] | R [m] | B [m] |
|--------|------------|------------|---------------|--------------|----------|----------|
| prosta | KM0+000,00 | KM0+039,00 | -0,846 | 39,00 | | |
| prosta | KM0+039,00 | KM0+079,00 | -1,525 | 40,00 | | |
| prosta | KM0+079,00 | KM0+149,00 | -2,171 | 70,00 | | |
| prosta | KM0+149,00 | KM0+169,12 | -2,683 | 20,12 | | |
| łuk | KM0+169,12 | KM0+209,00 | -2,683 | 39,88 | 2900 | 0,27 |
| łuk | KM0+209,00 | KM0+248,88 | 0,067 | 39,88 | 2900 | 0,27 |
| prosta | KM0+248,88 | KM0+329,00 | 0,067 | 80,12 | | |
| prosta | KM0+329,00 | KM0+409,34 | -0,245 | 80,34 | | |
| łuk | KM0+409,34 | KM0+439,00 | -0,245 | 29,66 | 1650 | 0,27 |
| łuk | KM0+439,00 | KM0+468,66 | 3,350 | 29,66 | 1650 | 0,27 |
| prosta | KM0+468,66 | KM0+479,00 | 3,350 | 10,34 | | |
| prosta | KM0+479,00 | KM0+539,52 | 2,427 | 60,52 | | |
| łuk | KM0+539,52 | KM0+589,00 | 2,427 | 49,48 | 2050 | 0,60 |
| łuk | KM0+589,00 | KM0+638,48 | -2,400 | 49,48 | 2050 | 0,60 |
| prosta | KM0+638,48 | KM0+659,00 | -2,400 | 20,52 | | |
| prosta | KM0+659,00 | KM0+669,14 | -3,033 | 10,14 | | |
| łuk | KM0+669,14 | KM0+689,00 | -3,033 | 19,86 | 2300 | 0,09 |
| łuk | KM0+689,00 | KM0+708,86 | -4,760 | 19,86 | 2300 | 0,09 |
| prosta | KM0+708,86 | KM0+739,00 | -4,760 | 30,14 | | |
| prosta | KM0+739,00 | KM0+809,18 | -4,370 | 70,18 | | |
| łuk | KM0+809,18 | KM0+839,00 | -4,370 | 29,82 | 830 | 0,54 |
| łuk | KM0+839,00 | KM0+868,82 | 2,817 | 29,82 | 830 | 0,54 |
| prosta | KM0+868,82 | KM0+899,00 | 2,817 | 30,18 | | |
| prosta | KM0+899,00 | KM0+939,00 | 3,500 | 40,00 | | |
| prosta | KM0+939,00 | KM0+948,83 | 2,820 | 9,83 | | |
| łuk | KM0+948,83 | KM0+989,00 | 2,820 | 40,17 | 2150 | 0,38 |
| łuk | KM0+989,00 | KM1+029,17 | -0,917 | 40,17 | 2150 | 0,38 |
| prosta | KM1+029,17 | KM1+049,00 | -0,917 | 19,83 | | |
| prosta | KM1+049,00 | KM1+074,00 | -1,680 | 25,00 | | |

Zestawienie odcinków terenu

| Lp. | od | do | rzędna p [m] | rzędna k [m] | spadek [%] | długość [m] |
|-----|------------|------------|-----------------|-----------------|---------------|----------------|
| 1 | KM0+000,00 | KM0+009,00 | 100,14 | 99,95 | -2,111 | 9,00 |
| 2 | KM0+009,00 | KM0+019,00 | 99,95 | 99,79 | -1,600 | 10,00 |
| 3 | KM0+019,00 | KM0+029,00 | 99,79 | 99,69 | -1,000 | 10,00 |
| 4 | KM0+029,00 | KM0+039,00 | 99,69 | 99,57 | -1,200 | 10,00 |
| 5 | KM0+039,00 | KM0+049,00 | 99,57 | 99,44 | -1,300 | 10,00 |
| 6 | KM0+049,00 | KM0+059,00 | 99,44 | 99,27 | -1,700 | 10,00 |
| 7 | KM0+059,00 | KM0+069,00 | 99,27 | 99,10 | -1,700 | 10,00 |
| 8 | KM0+069,00 | KM0+079,00 | 99,10 | 98,92 | -1,800 | 10,00 |
| 9 | KM0+079,00 | KM0+089,00 | 98,92 | 98,72 | -2,000 | 10,00 |
| 10 | KM0+089,00 | KM0+099,00 | 98,72 | 98,50 | -2,200 | 10,00 |
| 11 | KM0+099,00 | KM0+109,00 | 98,50 | 98,28 | -2,200 | 10,00 |
| 12 | KM0+109,00 | KM0+119,00 | 98,28 | 98,06 | -2,200 | 10,00 |
| 13 | KM0+119,00 | KM0+129,00 | 98,06 | 97,85 | -2,100 | 10,00 |
| 14 | KM0+129,00 | KM0+139,00 | 97,85 | 97,59 | -2,600 | 10,00 |
| 15 | KM0+139,00 | KM0+149,00 | 97,59 | 97,36 | -2,300 | 10,00 |
| 16 | KM0+149,00 | KM0+159,00 | 97,36 | 97,15 | -2,100 | 10,00 |
| 17 | KM0+159,00 | KM0+169,00 | 97,15 | 96,95 | -2,000 | 10,00 |
| 18 | KM0+169,00 | KM0+179,00 | 96,95 | 96,66 | -2,900 | 10,00 |
| 19 | KM0+179,00 | KM0+189,00 | 96,66 | 96,28 | -3,800 | 10,00 |
| 20 | KM0+189,00 | KM0+199,00 | 96,28 | 95,99 | -2,900 | 10,00 |
| 21 | KM0+199,00 | KM0+209,00 | 95,99 | 96,00 | 0,100 | 10,00 |
| 22 | KM0+209,00 | KM0+219,00 | 96,00 | 96,01 | 0,100 | 10,00 |
| 23 | KM0+219,00 | KM0+229,00 | 96,01 | 95,94 | -0,700 | 10,00 |
| 24 | KM0+229,00 | KM0+239,00 | 95,94 | 95,85 | -0,900 | 10,00 |
| 25 | KM0+239,00 | KM0+249,00 | 95,85 | 95,78 | -0,700 | 10,00 |
| 26 | KM0+249,00 | KM0+259,00 | 95,78 | 95,79 | 0,100 | 10,00 |
| 27 | KM0+259,00 | KM0+269,00 | 95,79 | 95,75 | -0,400 | 10,00 |

| Zestawienie odcinków terenu i niwelety | | | | | | |
|--|------------|------------|-------|-------|--------|-------|
| 28 | KM0+269,00 | KM0+279,00 | 95,75 | 95,79 | 0,400 | 10,00 |
| 29 | KM0+279,00 | KM0+289,00 | 95,79 | 95,79 | 0,000 | 10,00 |
| 30 | KM0+289,00 | KM0+299,00 | 95,79 | 95,82 | 0,300 | 10,00 |
| 31 | KM0+299,00 | KM0+309,00 | 95,82 | 95,88 | 0,600 | 10,00 |
| 32 | KM0+309,00 | KM0+319,00 | 95,88 | 95,95 | 0,700 | 10,00 |
| 33 | KM0+319,00 | KM0+329,00 | 95,95 | 95,96 | 0,100 | 10,00 |
| 34 | KM0+329,00 | KM0+339,00 | 95,96 | 95,91 | -0,500 | 10,00 |
| 35 | KM0+339,00 | KM0+349,00 | 95,91 | 95,88 | -0,300 | 10,00 |
| 36 | KM0+349,00 | KM0+359,00 | 95,88 | 95,84 | -0,400 | 10,00 |
| 37 | KM0+359,00 | KM0+369,00 | 95,84 | 95,76 | -0,800 | 10,00 |
| 38 | KM0+369,00 | KM0+379,00 | 95,76 | 95,73 | -0,300 | 10,00 |
| 39 | KM0+379,00 | KM0+389,00 | 95,73 | 95,72 | -0,100 | 10,00 |
| 40 | KM0+389,00 | KM0+399,00 | 95,72 | 95,73 | 0,100 | 10,00 |
| 41 | KM0+399,00 | KM0+409,00 | 95,73 | 95,73 | 0,000 | 10,00 |
| 42 | KM0+409,00 | KM0+419,00 | 95,73 | 95,72 | -0,100 | 10,00 |
| 43 | KM0+419,00 | KM0+429,00 | 95,72 | 95,76 | 0,400 | 10,00 |
| 44 | KM0+429,00 | KM0+439,00 | 95,76 | 95,82 | 0,600 | 10,00 |
| 45 | KM0+439,00 | KM0+449,00 | 95,82 | 95,99 | 1,700 | 10,00 |
| 46 | KM0+449,00 | KM0+459,00 | 95,99 | 96,24 | 2,500 | 10,00 |
| 47 | KM0+459,00 | KM0+469,00 | 96,24 | 96,58 | 3,400 | 10,00 |
| 48 | KM0+469,00 | KM0+479,00 | 96,58 | 97,01 | 4,300 | 10,00 |
| 49 | KM0+479,00 | KM0+489,00 | 97,01 | 97,24 | 2,300 | 10,00 |
| 50 | KM0+489,00 | KM0+499,00 | 97,24 | 97,40 | 1,600 | 10,00 |
| 51 | KM0+499,00 | KM0+509,00 | 97,40 | 97,59 | 1,900 | 10,00 |
| 52 | KM0+509,00 | KM0+519,00 | 97,59 | 97,80 | 2,100 | 10,00 |
| 53 | KM0+519,00 | KM0+529,00 | 97,80 | 98,04 | 2,400 | 10,00 |
| 54 | KM0+529,00 | KM0+539,00 | 98,04 | 98,36 | 3,200 | 10,00 |
| 55 | KM0+539,00 | KM0+549,00 | 98,36 | 98,64 | 2,800 | 10,00 |
| 56 | KM0+549,00 | KM0+559,00 | 98,64 | 98,87 | 2,300 | 10,00 |
| 57 | KM0+559,00 | KM0+569,00 | 98,87 | 98,99 | 1,200 | 10,00 |
| 58 | KM0+569,00 | KM0+579,00 | 98,99 | 99,03 | 0,400 | 10,00 |
| 59 | KM0+579,00 | KM0+589,00 | 99,03 | 99,05 | 0,200 | 10,00 |
| 60 | KM0+589,00 | KM0+599,00 | 99,05 | 98,97 | -0,800 | 10,00 |
| 61 | KM0+599,00 | KM0+609,00 | 98,97 | 98,87 | -1,000 | 10,00 |
| 62 | KM0+609,00 | KM0+619,00 | 98,87 | 98,74 | -1,300 | 10,00 |
| 63 | KM0+619,00 | KM0+629,00 | 98,74 | 98,58 | -1,600 | 10,00 |
| 64 | KM0+629,00 | KM0+639,00 | 98,58 | 98,40 | -1,800 | 10,00 |
| 65 | KM0+639,00 | KM0+649,00 | 98,40 | 98,21 | -1,900 | 10,00 |
| 66 | KM0+649,00 | KM0+659,00 | 98,21 | 97,99 | -2,200 | 10,00 |
| 67 | KM0+659,00 | KM0+669,00 | 97,99 | 97,71 | -2,800 | 10,00 |
| 68 | KM0+669,00 | KM0+679,00 | 97,71 | 97,34 | -3,700 | 10,00 |
| 69 | KM0+679,00 | KM0+689,00 | 97,34 | 96,98 | -3,600 | 10,00 |
| 70 | KM0+689,00 | KM0+699,00 | 96,98 | 96,52 | -4,600 | 10,00 |
| 71 | KM0+699,00 | KM0+709,00 | 96,52 | 96,07 | -4,500 | 10,00 |
| 72 | KM0+709,00 | KM0+719,00 | 96,07 | 95,60 | -4,700 | 10,00 |
| 73 | KM0+719,00 | KM0+729,00 | 95,60 | 95,10 | -5,000 | 10,00 |
| 74 | KM0+729,00 | KM0+739,00 | 95,10 | 94,63 | -4,700 | 10,00 |
| 75 | KM0+739,00 | KM0+749,00 | 94,63 | 94,17 | -4,600 | 10,00 |
| 76 | KM0+749,00 | KM0+759,00 | 94,17 | 93,73 | -4,400 | 10,00 |
| 77 | KM0+759,00 | KM0+769,00 | 93,73 | 93,31 | -4,200 | 10,00 |
| 78 | KM0+769,00 | KM0+779,00 | 93,31 | 92,86 | -4,500 | 10,00 |
| 79 | KM0+779,00 | KM0+789,00 | 92,86 | 92,46 | -4,000 | 10,00 |
| 80 | KM0+789,00 | KM0+799,00 | 92,46 | 92,10 | -3,600 | 10,00 |
| 81 | KM0+799,00 | KM0+809,00 | 92,10 | 91,67 | -4,300 | 10,00 |
| 82 | KM0+809,00 | KM0+819,00 | 91,67 | 91,24 | -4,300 | 10,00 |
| 83 | KM0+819,00 | KM0+829,00 | 91,24 | 90,95 | -2,900 | 10,00 |
| 84 | KM0+829,00 | KM0+839,00 | 90,95 | 90,76 | -1,900 | 10,00 |
| 85 | KM0+839,00 | KM0+849,00 | 90,76 | 90,77 | 0,100 | 10,00 |
| 86 | KM0+849,00 | KM0+859,00 | 90,77 | 90,93 | 1,600 | 10,00 |
| 87 | KM0+859,00 | KM0+869,00 | 90,93 | 91,20 | 2,700 | 10,00 |
| 88 | KM0+869,00 | KM0+879,00 | 91,20 | 91,38 | 1,800 | 10,00 |
| 89 | KM0+879,00 | KM0+889,00 | 91,38 | 91,64 | 2,600 | 10,00 |
| 90 | KM0+889,00 | KM0+899,00 | 91,64 | 91,86 | 2,200 | 10,00 |
| 91 | KM0+899,00 | KM0+909,00 | 91,86 | 92,30 | 4,400 | 10,00 |
| 92 | KM0+909,00 | KM0+919,00 | 92,30 | 92,73 | 4,300 | 10,00 |
| 93 | KM0+919,00 | KM0+929,00 | 92,73 | 93,10 | 3,700 | 10,00 |
| 94 | KM0+929,00 | KM0+939,00 | 93,10 | 93,39 | 2,900 | 10,00 |
| 95 | KM0+939,00 | KM0+949,00 | 93,39 | 93,64 | 2,500 | 10,00 |
| 96 | KM0+949,00 | KM0+959,00 | 93,64 | 93,88 | 2,400 | 10,00 |

| Zestawienie odcinków terenu i niwelety | | | | | | |
|--|------------|------------|-------|-------|--------|-------|
| 97 | KM0+959,00 | KM0+969,00 | 93,88 | 94,09 | 2,100 | 10,00 |
| 98 | KM0+969,00 | KM0+979,00 | 94,09 | 94,28 | 1,900 | 10,00 |
| 99 | KM0+979,00 | KM0+989,00 | 94,28 | 94,46 | 1,800 | 10,00 |
| 100 | KM0+989,00 | KM0+999,00 | 94,46 | 94,49 | 0,300 | 10,00 |
| 101 | KM0+999,00 | KM1+009,00 | 94,49 | 94,49 | 0,000 | 10,00 |
| 102 | KM1+009,00 | KM1+019,00 | 94,49 | 94,49 | 0,000 | 10,00 |
| 103 | KM1+019,00 | KM1+029,00 | 94,49 | 94,47 | -0,200 | 10,00 |
| 104 | KM1+029,00 | KM1+039,00 | 94,47 | 94,41 | -0,600 | 10,00 |
| 105 | KM1+039,00 | KM1+049,00 | 94,41 | 94,34 | -0,700 | 10,00 |
| 106 | KM1+049,00 | KM1+059,00 | 94,34 | 94,24 | -1,000 | 10,00 |
| 107 | KM1+059,00 | KM1+069,00 | 94,24 | 94,10 | -1,400 | 10,00 |
| 108 | KM1+069,00 | KM1+074,00 | 94,10 | 94,08 | -0,400 | 5,00 |

Rzędne punktów niwelety

| Lp. | pikietaż | rzędna | rzędna stycznej | y | rzędna terenu | różnica |
|---------------------------|----------|--------|--------------------|---|------------------|---------|
| Nie ma nic do pokazania ! | | | | | | |