

**Výpis podrobných a hlavních bodů**

Niveleta: MK 01   
Trasa: MK 01   
Rozsah staničení: Počáteční: 0.00, Koncové: 95.82   
Krok staničení: 5.00

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| **Bod** | **Staničení** | **Y** | **X** | **Z** | **Celková délka** | **Typ** | **Směrník:** | **Poloměr** |
| 1 | 0 | 851562,64 | 1011014,66 | 376,61 | 0 | ZU, V | 108,227 | - |
| 2 | 5 | 851557,69 | 1011015,3 | 376,51 | 5 |  | 108,227 | - |
| 3 | 6,39 | 851556,3 | 1011015,48 | 376,48 | 6,39 | ZZ | 108,227 | - |
| 4 | 10 | 851552,73 | 1011015,94 | 376,41 | 10 |  | 108,227 | - |
| 5 | 14,4 | 851548,37 | 1011016,51 | 376,35 | 14,4 | V | 108,227 | - |
| 6 | 15 | 851547,77 | 1011016,59 | 376,34 | 15 |  | 108,227 | - |
| 7 | 20 | 851542,81 | 1011017,23 | 376,3 | 20 |  | 108,227 | - |
| 8 | 22,4 | 851540,43 | 1011017,54 | 376,29 | 22,4 | KZ | 108,227 | - |
| 9 | 25 | 851537,85 | 1011017,88 | 376,28 | 25 |  | 108,227 | - |
| 10 | 30 | 851532,9 | 1011018,52 | 376,26 | 30 |  | 108,227 | - |
| 11 | 35 | 851527,94 | 1011019,17 | 376,24 | 35 |  | 108,227 | - |
| 12 | 40 | 851522,98 | 1011019,81 | 376,22 | 40 |  | 108,227 | - |
| 13 | 45 | 851518,02 | 1011020,45 | 376,2 | 45 |  | 108,227 | - |
| 14 | 50 | 851513,06 | 1011021,1 | 376,18 | 50 |  | 108,227 | - |
| 15 | 52,44 | 851510,64 | 1011021,41 | 376,17 | 52,44 | ZZ | 108,227 | - |
| 16 | 55 | 851508,1 | 1011021,74 | 376,15 | 55 |  | 108,227 | - |
| 17 | 59,21 | 851503,93 | 1011022,29 | 376,12 | 59,21 | V | 108,227 | - |
| 18 | 60 | 851503,15 | 1011022,39 | 376,11 | 60 |  | 108,227 | - |
| 19 | 65 | 851498,19 | 1011023,03 | 376,04 | 65 |  | 108,227 | - |
| 20 | 65,98 | 851497,22 | 1011023,16 | 376,02 | 65,98 | KZ | 108,227 | - |
| 21 | 70 | 851493,23 | 1011023,68 | 375,95 | 70 |  | 108,227 | - |
| 22 | 75 | 851488,27 | 1011024,32 | 375,86 | 75 |  | 108,227 | - |
| 23 | 80 | 851483,31 | 1011024,96 | 375,78 | 80 |  | 108,227 | - |
| 24 | 85 | 851478,35 | 1011025,61 | 375,69 | 85 |  | 108,227 | - |
| 25 | 90 | 851473,4 | 1011026,25 | 375,6 | 90 |  | 108,227 | - |
| 26 | 95 | 851468,44 | 1011026,9 | 375,51 | 95 |  | 108,227 | - |
| 27 | 95,82 | 851467,63 | 1011027 | 375,5 | 95,82 | KU, V | 108,227 | - |

Niveleta: MK 02   
Trasa: MK 02   
Rozsah staničení: Počáteční: 0.00, Koncové: 91.84   
Krok staničení: 5.00

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| **Bod** | **Staničení** | **Y** | **X** | **Z** | **Celková délka** | **Typ** | **Směrník:** | **Poloměr** |
| 1 | 0 | 851492,29 | 1011110,44 | 378,07 | 0 | ZU, V | 380,858 | - |
| 2 | 5 | 851493,77 | 1011105,66 | 378 | 5 |  | 380,858 | - |
| 3 | 10 | 851495,25 | 1011100,89 | 377,94 | 10 |  | 380,858 | - |
| 4 | 15 | 851496,73 | 1011096,11 | 377,87 | 15 |  | 380,858 | - |
| 5 | 19,92 | 851498,19 | 1011091,41 | 377,81 | 19,92 | ZZ | 380,858 | - |
| 6 | 20 | 851498,21 | 1011091,33 | 377,81 | 20 |  | 380,858 | - |
| 7 | 23,93 | 851499,38 | 1011087,58 | 377,75 | 23,93 | V | 380,858 | - |
| 8 | 25 | 851499,7 | 1011086,56 | 377,73 | 25 |  | 380,858 | - |
| 9 | 27,93 | 851500,56 | 1011083,76 | 377,67 | 27,93 | KZ | 380,858 | - |
| 10 | 30 | 851501,18 | 1011081,78 | 377,63 | 30 |  | 380,858 | - |
| 11 | 35 | 851502,66 | 1011077,01 | 377,52 | 35 |  | 380,858 | - |
| 12 | 40 | 851504,14 | 1011072,23 | 377,42 | 40 |  | 380,858 | - |
| 13 | 45 | 851505,62 | 1011067,46 | 377,31 | 45 |  | 380,858 | - |
| 14 | 50 | 851507,1 | 1011062,68 | 377,21 | 50 |  | 380,858 | - |
| 15 | 55 | 851508,58 | 1011057,9 | 377,1 | 55 |  | 380,858 | - |
| 16 | 56,44 | 851509,01 | 1011056,53 | 377,07 | 56,44 | TK | 380,858 | - |
| 17 | 60 | 851509,96 | 1011053,1 | 377 | 60 |  | 384,641 | 60 |
| 18 | 65 | 851510,95 | 1011048,2 | 376,89 | 65 |  | 389,946 | 60 |
| 19 | 69,71 | 851511,51 | 1011043,52 | 376,79 | 69,71 |  | 394,945 | 60 |
| 20 | 70 | 851511,53 | 1011043,24 | 376,79 | 70 |  | 395,251 | 60 |
| 21 | 75 | 851511,69 | 1011038,24 | 376,68 | 75 |  | 0,556 | 60 |
| 22 | 77,59 | 851511,62 | 1011035,66 | 376,63 | 77,59 | ZZ | 3,299 | 60 |
| 23 | 79,48 | 851511,49 | 1011033,76 | 376,58 | 79,48 | V | 5,312 | 60 |
| 24 | 80 | 851511,44 | 1011033,25 | 376,56 | 80 |  | 5,861 | 60 |
| 25 | 81,38 | 851511,3 | 1011031,87 | 376,51 | 81,38 | KZ | 7,325 | 60 |
| 26 | 82,99 | 851511,09 | 1011030,28 | 376,45 | 82,99 | KT | 9,031 | 60 |
| 27 | 85 | 851510,81 | 1011028,29 | 376,37 | 85 |  | 9,031 | - |
| 28 | 86,67 | 851510,57 | 1011026,63 | 376,3 | 86,67 | ZZ | 9,031 | - |
| 29 | 89,17 | 851510,22 | 1011024,16 | 376,22 | 89,17 | V | 9,031 | - |
| 30 | 90 | 851510,1 | 1011023,34 | 376,19 | 90 |  | 9,031 | - |
| 31 | 91,66 | 851509,87 | 1011021,69 | 376,16 | 91,66 | KZ | 9,031 | - |
| 32 | 91,84 | 851509,84 | 1011021,52 | 376,16 | 91,84 | KU, V | 9,031 | - |

Niveleta: MK 03   
Trasa: MK 03   
Rozsah staničení: Počáteční: 0.00, Koncové: 57.05   
Krok staničení: 5.00

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| **Bod** | **Staničení** | **Y** | **X** | **Z** | **Celková délka** | **Typ** | **Směrník:** | **Poloměr** |
| 1 | 0 | 851439,38 | 1011097,21 | 377,24 | 0 | V | 297,455 | 30 |
| 2 | 3,09 | 851442,47 | 1011097,18 | 377,26 | 3,09 |  | 304,011 | 30 |
| 3 | 5 | 851444,37 | 1011097 | 377,27 | 5 |  | 308,065 | 30 |
| 4 | 6,18 | 851445,54 | 1011096,83 | 377,28 | 6,18 | KK | 310,568 | 30 |
| 5 | 10 | 851449,3 | 1011096,18 | 377,31 | 10 |  | 310,887 | 762,46 |
| 6 | 10,18 | 851449,47 | 1011096,15 | 377,31 | 10,18 |  | 310,901 | 762,46 |
| 7 | 14,17 | 851453,41 | 1011095,46 | 377,34 | 14,17 | KK | 311,235 | 762,46 |
| 8 | 15 | 851454,23 | 1011095,33 | 377,34 | 15 |  | 309,476 | 30 |
| 9 | 17,4 | 851456,62 | 1011095,07 | 377,36 | 17,4 |  | 304,375 | 30 |
| 10 | 20 | 851459,21 | 1011095 | 377,38 | 20 |  | 298,866 | 30 |
| 11 | 20,64 | 851459,85 | 1011095,02 | 377,38 | 20,64 | KT | 297,516 | 30 |
| 12 | 25 | 851464,21 | 1011095,19 | 377,41 | 25 |  | 297,516 | - |
| 13 | 30 | 851469,2 | 1011095,39 | 377,45 | 30 |  | 297,516 | - |
| 14 | 33,03 | 851472,23 | 1011095,5 | 377,47 | 33,03 | ZZ | 297,516 | - |
| 15 | 35 | 851474,2 | 1011095,58 | 377,48 | 35 |  | 297,516 | - |
| 16 | 40 | 851479,2 | 1011095,78 | 377,54 | 40 |  | 297,516 | - |
| 17 | 42,54 | 851481,73 | 1011095,87 | 377,58 | 42,54 | V | 297,516 | - |
| 18 | 43,18 | 851482,38 | 1011095,9 | 377,59 | 43,18 | TK | 297,516 | - |
| 19 | 45 | 851484,19 | 1011096,03 | 377,62 | 45 |  | 293,661 | 30 |
| 20 | 47,11 | 851486,28 | 1011096,31 | 377,67 | 47,11 |  | 289,187 | 30 |
| 21 | 50 | 851489,1 | 1011096,93 | 377,73 | 50 |  | 283,051 | 30 |
| 22 | 51,03 | 851490,09 | 1011097,22 | 377,76 | 51,03 | KT | 280,858 | 30 |
| 23 | 52,04 | 851491,06 | 1011097,52 | 377,78 | 52,04 | KZ | 280,858 | - |
| 24 | 55 | 851493,88 | 1011098,4 | 377,86 | 55 |  | 280,858 | - |
| 25 | 57,05 | 851495,84 | 1011099 | 377,91 | 57,05 | KU | 280,858 | - |

Niveleta: ST 01   
Trasa: ST 01   
Rozsah staničení: Počáteční: 0.00, Koncové: 56.63   
Krok staničení: 5.00

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| **Bod** | **Staničení** | **Y** | **X** | **Z** | **Celková délka** | **Typ** | **Směrník:** | **Poloměr** |
| 1 | 0 | 851507,16 | 1010964,9 | 375,3 | 0 | ZU, V | 195,622 | - |
| 2 | 5 | 851506,82 | 1010969,89 | 375,33 | 5 |  | 195,622 | - |
| 3 | 6,67 | 851506,7 | 1010971,55 | 375,34 | 6,67 | ZZ | 195,622 | - |
| 4 | 8,91 | 851506,55 | 1010973,79 | 375,36 | 8,91 | V | 195,622 | - |
| 5 | 10 | 851506,47 | 1010974,88 | 375,37 | 10 |  | 195,622 | - |
| 6 | 11,16 | 851506,39 | 1010976,03 | 375,39 | 11,16 | KZ | 195,622 | - |
| 7 | 13,82 | 851506,21 | 1010978,69 | 375,45 | 13,82 | TK | 195,622 | - |
| 8 | 15 | 851506,14 | 1010979,87 | 375,47 | 15 |  | 196,359 | 101,5 |
| 9 | 20 | 851505,97 | 1010984,86 | 375,57 | 20 |  | 199,495 | 101,5 |
| 10 | 23,32 | 851506 | 1010988,19 | 375,64 | 23,32 |  | 201,58 | 101,5 |
| 11 | 25 | 851506,06 | 1010989,86 | 375,67 | 25 |  | 202,631 | 101,5 |
| 12 | 30 | 851506,39 | 1010994,85 | 375,77 | 30 |  | 205,767 | 101,5 |
| 13 | 32,82 | 851506,68 | 1010997,66 | 375,83 | 32,82 | KK | 207,538 | 101,5 |
| 14 | 35 | 851506,73 | 1010999,83 | 375,87 | 35 |  | 195,492 | 11,5 |
| 15 | 37,24 | 851506,36 | 1011002,03 | 375,91 | 37,24 |  | 183,104 | 11,5 |
| 16 | 40 | 851505,32 | 1011004,59 | 375,97 | 40 |  | 167,813 | 11,5 |
| 17 | 41,65 | 851504,42 | 1011005,97 | 376 | 41,65 | KT | 158,669 | 11,5 |
| 18 | 45 | 851502,4 | 1011008,64 | 376,07 | 45 |  | 158,669 | - |
| 19 | 48,11 | 851500,52 | 1011011,11 | 376,13 | 48,11 | ZZ | 158,669 | - |
| 20 | 50 | 851499,38 | 1011012,62 | 376,16 | 50 |  | 158,669 | - |
| 21 | 51,11 | 851498,7 | 1011013,5 | 376,16 | 51,11 | Spád 0% (nejvyšší) | 158,669 | - |
| 22 | 51,49 | 851498,48 | 1011013,8 | 376,16 | 51,49 | V | 158,669 | - |
| 23 | 54,87 | 851496,43 | 1011016,5 | 376,12 | 54,87 | KZ | 158,669 | - |
| 24 | 55 | 851496,35 | 1011016,6 | 376,11 | 55 |  | 158,669 | - |
| 25 | 56,63 | 851495,37 | 1011017,9 | 376,07 | 56,63 | KU | 158,669 | - |

Niveleta: ST 02   
Trasa: ST 02   
Rozsah staničení: Počáteční: 0.00, Koncové: 98.42   
Krok staničení: 5.00

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| **Bod** | **Staničení** | **Y** | **X** | **Z** | **Celková délka** | **Typ** | **Směrník:** | **Poloměr** |
| 1 | 0 | 851472,35 | 1011032,04 | 375,45 | 0 | ZU, V | 207,988 | - |
| 2 | 1,65 | 851472,56 | 1011033,68 | 375,48 | 1,65 | ZZ | 207,988 | - |
| 3 | 4,82 | 851472,95 | 1011036,82 | 375,59 | 4,82 | V | 207,988 | - |
| 4 | 5 | 851472,98 | 1011037 | 375,6 | 5 |  | 207,988 | - |
| 5 | 7,99 | 851473,35 | 1011039,97 | 375,81 | 7,99 | KZ | 207,988 | - |
| 6 | 10 | 851473,6 | 1011041,96 | 375,97 | 10 |  | 207,988 | - |
| 7 | 15 | 851474,23 | 1011046,92 | 376,39 | 15 |  | 207,988 | - |
| 8 | 17,69 | 851474,57 | 1011049,59 | 376,61 | 17,69 | ZZ | 207,988 | - |
| 9 | 20 | 851474,85 | 1011051,88 | 376,79 | 20 |  | 207,988 | - |
| 10 | 21,5 | 851475,04 | 1011053,37 | 376,9 | 21,5 | TK | 207,988 | - |
| 11 | 25 | 851475,01 | 1011056,86 | 377,09 | 25 |  | 190,838 | 13 |
| 12 | 27,33 | 851474,47 | 1011059,12 | 377,19 | 27,33 | V | 179,438 | 13 |
| 13 | 28,11 | 851474,2 | 1011059,86 | 377,21 | 28,11 |  | 175,607 | 13 |
| 14 | 30 | 851473,37 | 1011061,55 | 377,26 | 30 |  | 166,352 | 13 |
| 15 | 34,36 | 851470,59 | 1011064,88 | 377,31 | 34,36 | Spád 0% (nejvyšší) | 145,008 | 13 |
| 16 | 34,72 | 851470,31 | 1011065,11 | 377,31 | 34,72 | KT | 143,227 | 13 |
| 17 | 35 | 851470,09 | 1011065,29 | 377,31 | 35 |  | 143,227 | - |
| 18 | 36,97 | 851468,56 | 1011066,52 | 377,29 | 36,97 | KZ | 143,227 | - |
| 19 | 40 | 851466,2 | 1011068,43 | 377,25 | 40 |  | 143,227 | - |
| 20 | 42,48 | 851464,27 | 1011069,98 | 377,22 | 42,48 | TK | 143,227 | - |
| 21 | 45 | 851462,27 | 1011071,52 | 377,19 | 45 |  | 139,947 | 49 |
| 22 | 48,02 | 851459,77 | 1011073,21 | 377,15 | 48,02 |  | 136,021 | 49 |
| 23 | 50 | 851458,08 | 1011074,24 | 377,12 | 50 |  | 133,45 | 49 |
| 24 | 53,57 | 851454,93 | 1011075,92 | 377,08 | 53,57 | KT | 128,816 | 49 |
| 25 | 55 | 851453,64 | 1011076,54 | 377,06 | 55 |  | 128,816 | - |
| 26 | 60 | 851449,15 | 1011078,73 | 376,99 | 60 |  | 128,816 | - |
| 27 | 65 | 851444,65 | 1011080,92 | 376,93 | 65 |  | 128,816 | - |
| 28 | 70 | 851440,15 | 1011083,1 | 376,86 | 70 |  | 128,816 | - |
| 29 | 72,08 | 851438,28 | 1011084,01 | 376,83 | 72,08 | TK | 128,816 | - |
| 30 | 75 | 851435,57 | 1011085,08 | 376,8 | 75 |  | 119,049 | 19 |
| 31 | 76,69 | 851433,94 | 1011085,51 | 376,77 | 76,69 |  | 113,391 | 19 |
| 32 | 80 | 851430,65 | 1011085,92 | 376,73 | 80 |  | 102,295 | 19 |
| 33 | 81,29 | 851429,36 | 1011085,92 | 376,71 | 81,29 | KT | 97,966 | 19 |
| 34 | 85 | 851425,66 | 1011085,8 | 376,67 | 85 |  | 97,966 | - |
| 35 | 90 | 851420,66 | 1011085,64 | 376,6 | 90 |  | 97,966 | - |
| 36 | 95 | 851415,66 | 1011085,48 | 376,54 | 95 |  | 97,966 | - |
| 37 | 98,42 | 851412,25 | 1011085,37 | 376,49 | 98,42 | KU, V | 97,966 | - |

Niveleta: ST 03   
Trasa: ST 03   
Rozsah staničení: Počáteční: 0.00, Koncové: 13.87   
Krok staničení: 5.00

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| **Bod** | **Staničení** | **Y** | **X** | **Z** | **Celková délka** | **Typ** | **Směrník:** | **Poloměr** |
| 1 | 0 | 851445,82 | 1011080,35 | 376,94 | 0 | V | 228,816 | - |
| 2 | 0,28 | 851445,95 | 1011080,59 | 376,94 | 0,28 | ZZ | 228,816 | - |
| 3 | 2,08 | 851446,73 | 1011082,21 | 377,01 | 2,08 | V | 228,816 | - |
| 4 | 3,88 | 851447,52 | 1011083,83 | 377,11 | 3,88 | KZ | 228,816 | - |
| 5 | 5 | 851448,01 | 1011084,84 | 377,19 | 5 |  | 228,816 | - |
| 6 | 6,9 | 851448,84 | 1011086,55 | 377,32 | 6,9 | ZZ | 228,816 | - |
| 7 | 8,4 | 851449,5 | 1011087,9 | 377,4 | 8,4 | V | 228,816 | - |
| 8 | 9,7 | 851450,07 | 1011089,07 | 377,42 | 9,7 | Spád 0% (nejvyšší) | 228,816 | - |
| 9 | 9,9 | 851450,15 | 1011089,25 | 377,42 | 9,9 | KZ | 228,816 | - |
| 10 | 10 | 851450,2 | 1011089,34 | 377,42 | 10 |  | 228,816 | - |
| 11 | 13,87 | 851451,89 | 1011092,81 | 377,4 | 13,87 | KU | 228,816 | - |