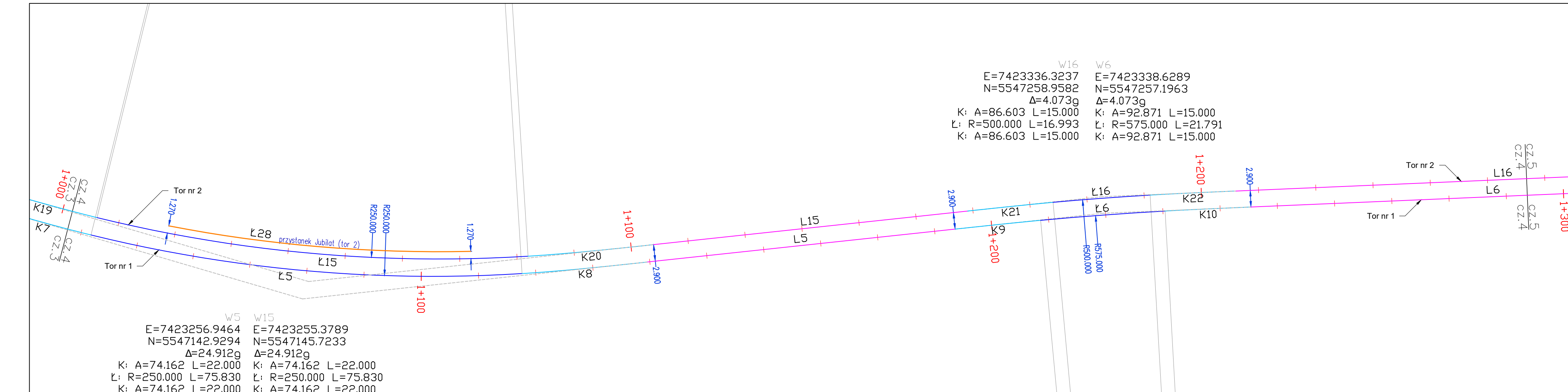
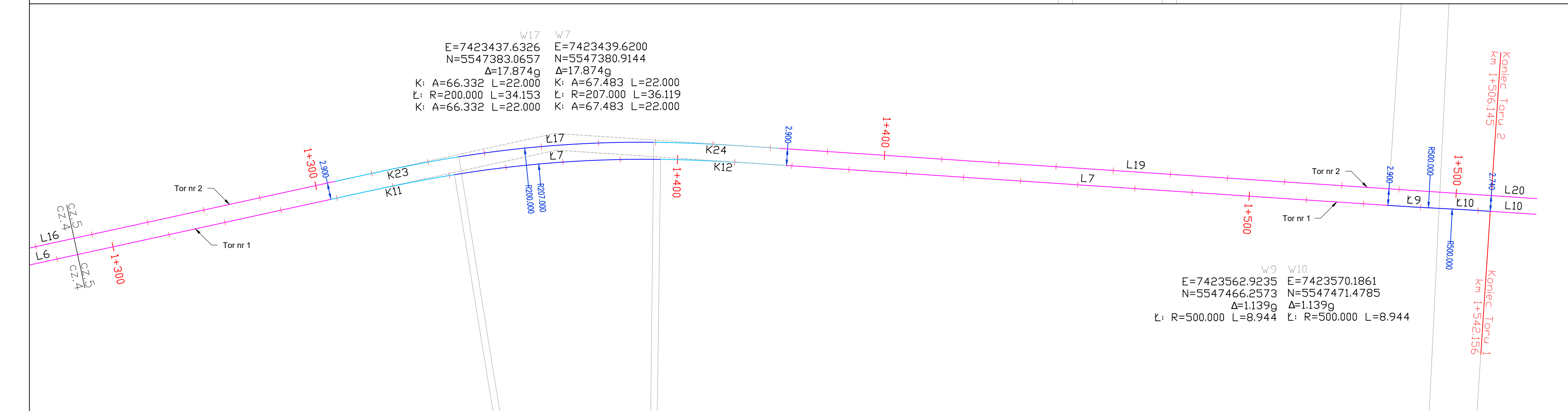


W16 W6
 E=7423336.3237 E=7423338.6289
 N=5547258.9582 N=5547257.1963
 $\Delta=4.073g$
 K: A=86.603 L=15.000 K: A=92.871 L=15.000
 $\text{L: R=500.000 L=16.993}$ $\text{L: R=575.000 L=21.791}$
 K: A=86.603 L=15.000 K: A=92.871 L=15.000



W17 W7
 E=7423437.6326 E=7423439.6200
 N=5547383.0657 N=5547380.9144
 $\Delta=17.874g$
 K: A=66.332 L=22.000 K: A=67.483 L=22.000
 $\text{L: R=200.000 L=34.153}$ $\text{L: R=207.000 L=36.119}$
 K: A=66.332 L=22.000 K: A=67.483 L=22.000



| TDR 1 | | | | | |
|-------|---------|-----------|-----------------------------|-----------------------------|--|
| Nr | Długość | Początek | | Koniec | |
| K1 | 30.00 | A=96.50 | 5546848.6400 / 7422391.6143 | 5546843.0841 / 7422421.0921 | |
| K2 | 18.00 | A=74.75 | 5546842.6970 / 7422266.5873 | 5546846.5046 / 7422284.1793 | |
| K3 | 24.00 | A=56.92 | 5546825.5365 / 7422506.6035 | 5546821.4120 / 7422530.2379 | |
| K4 | 24.00 | A=56.92 | 5546827.3684 / 7422587.9106 | 5546836.2362 / 7422610.2032 | |
| K5 | 22.00 | A=87.75 | 5547026.1307 / 7423058.2792 | 5547034.8608 / 7423078.4718 | |
| K6 | 22.00 | A=87.75 | 5547050.7050 / 7423109.0378 | 5547062.1732 / 7423127.8111 | |
| K7 | 22.00 | A=74.16 | 5547110.8170 / 7423205.5963 | 5547122.7531 / 7423224.0745 | |
| K8 | 22.00 | A=74.16 | 5547174.4934 / 7423279.1130 | 5547192.1998 / 7423292.1668 | |
| K9 | 15.00 | A=92.87 | 5547236.1241 / 7423323.5656 | 5547248.2887 / 7423332.3416 | |
| K10 | 15.00 | A=92.87 | 5547265.6011 / 7423345.5739 | 5547277.2622 / 7423355.0087 | |
| K11 | 22.00 | A=67.48 | 5547349.7227 / 7423414.1582 | 5547366.5143 / 7423428.3681 | |
| K12 | 22.00 | A=67.48 | 5547390.9921 / 7423454.8649 | 5547403.8295 / 7423472.7277 | |
| L1 | 87.29 | | 5546843.0841 / 7422421.0921 | 5546825.5365 / 7422506.6035 | |
| L2 | 13.20 | | 5546839.7810 / 7422253.7180 | 5546842.6970 / 7422266.5873 | |
| L3 | 220.95 | | 5546836.2362 / 7422610.2032 | 5546923.9511 / 7422812.9998 | |
| L4 | 91.74 | | 5547062.1732 / 7423127.8111 | 5547110.8170 / 7423205.5963 | |
| L5 | 53.99 | | 5547192.1998 / 7423292.1668 | 5547236.1241 / 7423323.5656 | |
| L6 | 93.54 | | 5547277.2622 / 7423355.0087 | 5547349.7227 / 7423414.1582 | |
| L7 | 105.22 | | 5547403.8295 / 7423472.7277 | 5547463.7120 / 7423559.2461 | |
| L8 | 83.30 | | 5546938.9607 / 7422848.6440 | 5546970.5454 / 7422925.7251 | |
| L9 | 126.33 | | 5546977.2165 / 7422941.8059 | 5547026.1307 / 7423058.2792 | |
| L10 | 8.00 | | 5547474.0238 / 7423573.8635 | 5547478.5767 / 7423580.4415 | |
| L11 | 108.00 | R=310.43m | 5546846.5046 / 7422284.1793 | 5546848.6400 / 7422391.6143 | |
| L12 | 58.43 | R=135.00m | 5546821.4120 / 7422530.2379 | 5546827.3684 / 7422587.9106 | |
| L13 | 38.68 | R=200.00m | 5546923.9511 / 7422812.9998 | 5546938.9607 / 7422848.6440 | |
| L14 | 34.44 | R=350.00m | 5547034.8608 / 7423078.4718 | 5547050.7050 / 7423109.0378 | |
| L15 | 75.83 | R=250.00m | 5547122.7531 / 7423224.0745 | 5547174.4934 / 7423279.1130 | |
| L16 | 21.79 | R=575.00m | 5547248.2887 / 7423332.3416 | 5547265.6011 / 7423345.5739 | |
| L17 | 36.12 | R=207.00m | 5547366.5143 / 7423428.3681 | 5547390.9921 / 7423454.8649 | |
| L18 | 17.41 | R=200.00m | 5546970.5454 / 7422925.7251 | 5546977.2165 / 7422941.8059 | |
| L19 | 8.94 | R=500.00m | 5547463.7120 / 7423559.2461 | 5547468.8679 / 7423566.5548 | |
| L10 | 8.94 | R=500.00m | 5547468.8679 / 7423566.5548 | 5547474.0238 / 7423573.8635 | |

| TDR 3 (PĘTLA) | | | | | |
|---------------|---------|----------|-----------------------------|-----------------------------|--|
| Nr | Długość | Początek | | Koniec | |
| K25 | 10.10 | A=15.89 | 5546837.1944 / 7422242.3021 | 5546835.6332 / 7422232.3451 | |
| K26 | 6.00 | A=12.25 | 5546875.8224 / 7422251.6757 | 5546870.7848 / 7422254.9279 | |
| K27 | 6.00 | A=12.25 | 5546865.6179 / 7422257.9780 | 5546860.5803 / 7422261.2302 | |
| L21 | 11.71 | | 5546839.7810 / 7422253.7180 | 5546837.1944 / 7422242.3021 | |
| L22 | 6.00 | | 5546870.7848 / 7422254.9279 | 5546865.6179 / 7422257.9780 | |
| L19 | 102.00 | R=25.00m | 5546835.6332 / 7422232.3451 | 5546875.8224 / 7422251.6757 | |
| L20 | 22.47 | R=25.00m | 5546860.5803 / 7422261.2302 | 5546850.7792 / 7422280.6180 | |
| L21 | 6.11 | R=50.00m | 5546850.7792 / 7422280.6180 | 5546851.0383 / 7422286.7153 | |

| TDR 4 (PĘTLA) - OPCJONALNIE | | | | | |
|-----------------------------|---------|----------|-----------------------------|-----------------------------|--|
| Nr | Długość | Początek | | Koniec | |
| K28 | 6.00 | A=10.97 | 5546872.9640 / 7422247.6289 | 5546867.8950 / 7422250.8279 | |
| K29 | 6.00 | A=10.95 | 5546862.6676 / 7422253.7732 | 5546857.5991 / 7422256.9728 | |
| L23 | 5.77 | | 5546841.0568 / 7422259.3486 | 5546839.7810 / 7422253.7180 | |
| L24 | 6.00 | | 5546867.8950 / 7422250.8279 | 5546862.6676 / 7422253.7732 | |
| L25 | 8.36 | | 5546850.1741 / 7422278.3988 | 5546851.0383 / 7422286.7154 | |
| L22 | 29.67 | R=50.00m | 5546839.7810 / 7422253.7180 | 5546841.0568 / 7422259.3486 | |
| L23 | 73.77 | R=20.05m | 5546841.0568 / 7422253.7180 | 5546872.9640 / 7422247.6289 | |
| L24 | 17.82 | R=20.00m | 5546857.5991 / 7422256.9728 | 5546849.9132 / 7422272.4036 | |
| L25 | 6.00 | R=50.00m | 5546849.9132 / 7422272.4036 | 5546850.1741 / 7422278.3988 | |

| TDR 2 | | | | | |
|-------|---------|-----------|-----------------------------|-----------------------------|--|
| Nr | Długość | Początek | | Koniec | |
| K13 | 53.52 | A=129.51 | 5546853.1151 / 7422380.5538 | 5546843.8557 / 7422433.2512 | |
| K14 | 18.00 | A=75.10 | 5546852.6918 / 7422302.6267 | 5546854.3807 / 7422320.5466 | |
| K15 | 24.00 | A=56.92 | 5546828.8739 / 7422506.2598 | 5546824.7494 / 7422529.8932 | |
| K16 | 24.00 | A=56.92 | 5546830.7058 / 7422587.5659 | 5546839.5736 / 7422609.8585 | |
| K17 | 22.00 | A=87.75 | 5547028.9810 / 7423056.8017 | 5547037.7111 / 7423076.9944 | |
| K18 | 22.00 | A=87.75 | 5547053.5552 / 7423107.5603 | 5547065.0235 / 7423126.3336 | |
| K19 | 22.00 | A=74.16 | 5547113.6109 / 7423204.0287 | 5547125.5470 / 7423222.5070 | |
| K20 | 22.00 | A=74.16 | 5547177.2873 / 7423277.5455 | 5547194.9937 / 7423290.5993 | |
| K21 | 15.00 | A=86.60 | 5547239.8386 / 7423322.6562 | 5547251.9975 / 7423331.4401 | |
| K22 | 15.00 | A=86.60 | 5547265.4976 / 7423341.7585 | 5547277.1648 / 7423351.1857 | |
| K23 | 22.00 | A=66.33 | 5547352.6400 / 7423412.7961 | 5547369.4226 / 7423427.0163 | |
| K24 | 22.00 | A=66.33 | 5547392.5697 / 7423452.0726 | 5547405.4180 / 7423469.9273 | |
| L11 | 74.53 | | 5546843.8557 / 7422433.2512 | 5546828.8739 / 7422506.2598 | |
| L12 | 16.00 | | 5546851.0383 / 7422286.7154 | 5546852.6918 / 7422302.6267 | |
| L13 | 219.98 | | 5546839.5736 / 7422609.8585 | 5546926.9004 / 7422811.7578 | |
| L14 | 91.64 | | 5547065.0235 / 7423126.3336 | 5547113.6109 / 7423204.0287 | |
| L15 | 55.12 | | 5547194.9937 / 7423290.5993 | 5547239.8386 / 7423322.6562 | |
| L16 | 97.43 | | 5547277.1648 / 7423351.1857 | 5547352.6400 / 7423412.7961 | |
| L17 | 83.32 | | 5546941.9101 / 7422847.4021 | 5546973.5011 / 7422924.4989 | |
| L18 | 126.05 | | 5546980.1722 / 7422940.5797 | 5547028.9810 / 7423056.8017 | |
| L19 | 124.51 | | 5547405.4180 / 7423469.9273 | 5547476.2768 / 7423572.3041 | |
| L20 | 8.00 | | 5547476.2768 / 7423572.3041 | 5547480.8297 / 7423578.8822 | |
| L11 | 60.11 | R=313.37m | 5546854.3807 / 7422320.5466 | 5546853.1151 / 7422380.5538 | |
| L12 | 58.43 | R=135.00m | 5546824.7494 / 7422529.8932 | 5546830.7058 / 7422587.5659 | |
| L13 | 38.68 | R=200.00m | 5546926.9004 / 7422811.7578 | 5546941.9101 / 7422847.4021 | |
| L14 | 34.44 | R=350.00m | 5547037.7111 / 7423076.9944 | 5547053.5552 / 7423107.5603 | |
| L15 | 75.83 | R=250.00m | 5547125.5470 / 7423222.5070 | 5547177.2873 / 7423277.5455 | |
| L16 | 16.99 | R=500.00m | 5547251.9975 / 7423331.4401 | 5547265.4976 / 7423341.7585 | |
| L17 | 34.15 | R=200.00m | 5547369.4226 / 7423427.0163 | 5547392.5697 / 7423452.0726 | |
| L18 | 17.41 | R=200.00m | 5546973.5011 / 7422924.4989 | 5546980.1722 / 7422940.5797 | |

| PRZYSTANEK SALWATOR (TDR 3) | | | | | |
|-----------------------------|---------|----------|-----------------------------|-----------------------------|--|
| Nr | Długość | Początek | | Koniec | |
| L26 | 69.00 | R=26.45m | 5546843.4169 / 7422211.7386 | 5546885.6557 / 7422240.3791 | |

| PRZYSTANEK SALWATOR (TDR 4) | | | | | |
|-----------------------------|---------|----------|-----------------------------|-----------------------------|--|
| Nr | Długość | Początek | | Koniec | |
| L27 | 70.61 | R=21.55m | 5546840.4711 / 7422224.2008 | 5546879.5740 / 7422242.0911 | |

| PRZYSTANEK SALWATOR (TDR 2) | | | | | |
|-----------------------------|---------|----------|-----------------------------|-----------------------------|--|
| Nr | Długość | Początek | | Koniec | |
| L26 | 51.00 | | 5546842.0589 / 7422448.2251 | 5546831.8069 / 7422498.1841 | |

| PRZYSTANEK KOMDROWSKIEGO (TDR 2) | | | | | |
|----------------------------------|---------|----------|-----------------------------|-----------------------------|--|
| Nr | Długość | Początek | | Koniec | |
| L27 | 50.50 | | 5546877.3633 / 7422694.0795 | 5546897.4110 / 7422740.4297 | |

| PRZYSTANEK KOMDROWSKIEGO (TDR 1) | | | | | |
|----------------------------------|---------|----------|-----------------------------|-----------------------------|--|
| Nr | Długość | Początek | | Koniec | |
| L28 | 51.00 | | 5546901.9071 / 7422765.1829 | 5546922.1533 / 7422811.9921 | |

| PRZYSTANEK JUBILAT (TDR 1) | | | | | |
|----------------------------|---------|----------|-----------------------------|-----------------------------|--|
| Nr | Długość | Początek | | Koniec | |
| L29 | 56.00 | | 5547063.1121 / 7423131.6699 | 5547092.8043 / 7423179.1501 | |

| PRZYSTANEK JUBILAT (TDR 2) | | | | | |
|----------------------------|---------|-----------|-----------------------------|-----------------------------|--|
| Nr | Długość | Początek | | Koniec | |
| L28 | 53.00 | R=248.73m | 5547133.9439 / 7423231.9108 | 5547170.3764 / 7423270.2653 | |

OZNACZENIA

- PROJEKTOWANA OŚ – PROSTA
- PROJEKTOWANA OŚ – ŁUK
- PROJEKTOWANA OŚ – KRZYWA PRZEJŚCIOWA
- STYCZNA ŁUKÓW KOŁOWYCH
- NORMALNA ŁUKÓW KOŁOWYCH
- KRAJEDZ PERONU
- OZNACZENIE PROJEKTOWANYCH ELEMENTÓW

L15

Fundusze Europejskie

Zamawiający: Gmina Miejska Kraków reprezentowana przez Dyrektora Zarządu Infrastruktury Komunalnej i Transportu ul. Centralna 53, 31-586 Kraków

Generalny Projektant: PRACOWNIA PLANOWANIA I PROJEKTOWANIA SYSTEMÓW TRANSPORTU ALTRANS

Projekтант branżowy: PRACOWNIA PLANOWANIA I PROJEKTOWANIA SYSTEMÓW TRANSPORTU ALTRANS

Nazwa i adres inwestycji: Przebudowa torowiska tramwajowego w ciągu ul. Zwierzynieckiej i wraz z przebudową sieci trakcyjnej, odwodnienia, oświetlenia, przebud technicznej, rozbudową pętli tramwajowej „Salwator”

Faza: **PROJEKT BUDOWLANY**

| Projektant branży drogowy: | Imię i nazwisko | Specjalność |
|----------------------------|-----------------------------|-------------------------|
| Zespół projektowy: | mgr inż. Grzegorz Grabowski | drogowa |
| | mgr inż. Grzegorz Kalas | inżynierska drogową |
| Sprawdzający: | mgr inż. Mateusz Antolec | kollejowa |
| | mgr inż. Michał Bryg | - |
| Sprawdzający: | mgr inż. Stanisław Albricht | konstrukcyjno-budowlana |

Tytuł rysunku: Plan torowcy - arkusz 3/3

| | |
|--------------------------|-----------------------|
| Branża: DROGOWO - TOROWA | Skala: 1:500 |
| Data: 29.10.2018 r. | Numer rysunku: PB / t |