

Technical drawing of a stepped shaft with the following dimensions and tolerances:

- Horizontal dimensions (mm):** 15, 15, 20, 5.
- Vertical dimensions (mm):** 5, 15, 15.
- Surface Tolerances:**
 - Top surface of the first step: $+9$
 - Top surface of the second step: $+12$
 - Right cylindrical surface: ± 0
- Feature Identifiers:**
 - Box 9 points to the vertical centerline of the first step.
 - Box 6 points to the vertical centerline of the second step.
- Reference:** A dimension line on the left indicates a distance of 10 from a dashed horizontal reference line to the centerline of the first step.

Technical drawing of a cross-section of a road structure. The drawing shows a road surface with a 2% slope, a 10cm thick layer of material (1), a 10cm thick layer of material (2), a 10cm thick layer of material (3), and a 10cm thick layer of material (4). The total width of the road is 15m. The drawing includes dimensions for the layers and the total width, as well as a scale bar.

Technical drawing of a cross-section of a road structure. The drawing shows a road surface with a 2% slope, a 10cm thick layer, and a 10cm thick layer. The road is bordered by a 10cm high curb. The road is labeled with '2' and '9'. The curb is labeled with '4' and '9'. The road surface is labeled with '1' and '0'. The curb is labeled with '3' and '10'.

The drawing shows a cross-section of a road with a 2% slope. The road width is 10m. The elevation points are marked as follows: +0 at the top center, -3 at the top edges, and -7 at the bottom edges. The road surface is shown with a 2% slope. The road is bordered by a 10m wide area on the left and a 10m wide area on the right. The road is bordered by a 10m wide area on the left and a 10m wide area on the right. The road is bordered by a 10m wide area on the left and a 10m wide area on the right.

Technical drawing of a stepped profile. The profile is shown in cross-section with various dimensions and callouts. The top surface is horizontal and labeled with a 1% slope. The vertical dimensions are 8, 3, 15, 10, 5, 12, and 15. The horizontal dimensions are 5, 12, and 15. The profile is divided into three main sections: a top section with a 1% slope, a middle section with a 15% slope, and a bottom section with a 15% slope. The profile is labeled with callouts 3, 5, and 9. The top surface is labeled with ± 0 and -3 . The bottom surface is labeled with -3 . The profile is shown in cross-section with a hatched pattern.

Technical drawing of a stepped concrete structure. The structure consists of a base and a stepped top surface. The base has a total width of 30 units, divided into three sections of 5, 15, and 5 units. The height of the base is 15 units. The top surface has a total width of 30 units, divided into three sections of 5, 15, and 5 units. The height of the top surface is 12 units. The structure is shown with a 1% slope. Dimensions are given in units. Labels 7 and 3 are present in the drawing.

Technical drawing of a cross-section of a road structure. The drawing shows a road surface with a 1% slope, a 20 cm thick layer, a 10 cm thick layer, and a 5 cm thick layer. The total width of the road is 10 m. The drawing is divided into three sections: 3 (left), 4 (middle), and 1 (right). The elevation is marked as ± 0 .

Technical drawing of a cross-section of a road structure. The drawing shows a road surface with a 1% slope, a 20cm thick layer, a 10cm thick layer, and a 5cm thick layer. The total width is 22m. The road is divided into three sections: 1 (left), 2 (middle), and 3 (right). The middle section is 8m wide and 10m high. The right section is 10m wide and 10m high. The drawing is labeled with dimensions and section numbers.

Technical drawing of a stepped profile. The profile is defined by the following dimensions and tolerances:

- Overall width: 15
- Overall height: 30 (10 + 15 + 5)
- Top surface: 15 wide, 5 high, with a tolerance of ± 0 .
- Second step: 10 wide, 10 high, with a tolerance of ± 0 .
- Third step: 5 wide, 5 high, with a tolerance of ± 0 .
- Bottom surface: 15 wide, 5 high, with a tolerance of ± 0 .
- Left surface: 15 wide, 10 high, with a tolerance of ± 0 .
- Right surface: 15 wide, 15 high, with a tolerance of ± 0 .

The drawing includes a dashed line on the left indicating a reference plane. The dimensions are given in millimeters (mm).

1. Konstrukcja nawierzchni ścieżki rowerowej
 - 1.1 warstwa ścierna z asfaltu piaskowego gr. 4cm
 - 1.2 podbudowa z kruszywa łamanego stabilizowanego mechanicznie 0/31,5 gr. 15cm
 - 1.3 warstwa odsączająca z piasku o współczynniku filtracji $k > 8 \text{ m/d}$ gr. 10cm
2. Konstrukcja nawierzchni chodnika
 - 2.1 warstwa ścierna z kostki betonowej gr. 6cm
 - 2.2 podsypka cementowo-piaskowa 1:4 gr. 3cm
 - 2.3 podbudowa z kruszywa łamanego stabilizowanego mechanicznie 0/31,5 (C50/30) gr. 10cm
 - 2.4 warstwa odsączająca z piasku o współczynniku filtracji $k > 8 \text{ m/d}$ gr. 10cm
3. Konstrukcja nawierzchni zjazdu
 - 3.1 warstwa ścierna z kostki betonowej gr. 8cm
 - 3.2 podsypka cementowo-piaskowa 1:4 gr. 3cm
 - 3.3 podbudowa z kruszywa łamanego stabilizowanego mechanicznie 0/31,5 (C50/30) gr. 15cm
 - 3.4 warstwa odsączająca z piasku o współczynniku filtracji $k > 8 \text{ m/d}$ gr. 10cm
4. obrzeże betonowe 8x30 na ławie betonowej C12/15
5. opornik betonowy 12x25 na ławie betonowej C12/15
6. krawężnik betonowy 20x30cm, na ławie betonowej C12/15
7. krawężnik betonowy 20x22cm, na ławie betonowej C12/15
8. nasyp z piasku grubego
9. humusowanie i obsianie mieszaną traw gr. 10cm
10. krawężnik istniejący

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Jednostka projektowa <div>  <div> Biuro inżynierskie j m p </div> </div>		Biuro Inżynierskie JMP Mariusz Jaciubek 05-800 Pruszków, ul. Ołówekowa 1b/15 tel. 0 502 260 577, e-mail: mariusz.jaciubek@gmail.com.pl	
Nazwa zomierzania budowlanego PRZEBUDOWA ULICY WARSZAWSKIEJ W ŁOMIANKACH W ZAKRESIE BUDOWY ŚCIEŻKI ROWEROWEJ I PRZEBUDOWY CHODNIKA			
Nazwa i adres obiektu budowlanego ULICA WARSZAWSKA W ŁOMIANKACH NA ODCINKU OD POSESJI NR 88 DO ULICY BRUKOWEJ, POWIAT WARSZAWSKI ZACHODNI			
Stadium		Branta	Tom
PROJEKT WYKONAWCZY		DROGOWA	I
Projektant inż Mariusz Jaciubek		Specjalność i nr uprawnień drogowa L06/0609/P000/06	Data LUTY 2016
Opracował		Podpis	
Projektant sprawdzający		Specjalność i nr uprawnień	Skala
		Podpis	1:10
Nazwa rysunku		Nr rys.	Nr strony
SZCZEGÓŁY KONSTRUKCYJNE		5	