

The diagram illustrates the cross-section of a road structure. The top layer is the road surface, with a central section labeled 'JEZDNIA' (width 3.50) and side sections labeled 'POBOCZE' (width 0.75 each). The road surface has a central longitudinal slope of 3% and side slopes of 6%. Below the road surface is a base layer, and below that is a subgrade layer. The subgrade has a central section labeled '1' and side sections labeled '8'. The subgrade has a central longitudinal slope of 3% and side slopes of 6%. The road structure is shown on a cross-section with a central vertical axis and side slopes of 1:1.5. The total width of the road structure is 4.90 (3.50 + 0.75 + 0.75). The subgrade has a width of 4.00 (0.40 + 3.20 + 0.40). The road surface has a width of 4.90. The base layer has a width of 4.90. The subgrade has a width of 4.00. The road structure is shown on a cross-section with a central vertical axis and side slopes of 1:1.5. The total width of the road structure is 4.90 (3.50 + 0.75 + 0.75). The subgrade has a width of 4.00 (0.40 + 3.20 + 0.40). The road surface has a width of 4.90. The base layer has a width of 4.90. The subgrade has a width of 4.00.

The diagram illustrates the cross-section of a road structure. The top layer is the road surface, with a central width of 3,50 m labeled 'JEZDNIA' and two side slopes of 0,75 m each labeled 'POBOCZE'. The road surface has a central 4% longitudinal slope and 6% transverse slopes on the sides. Below the road surface is a 3 cm thick layer, followed by a 4 cm thick layer, and a 12 cm thick base layer. The base layer has a 1:1,5 slope on the sides. The total width of the base layer is 0,40 m on each side. The road surface has a 1:1,5 slope on the sides. The total width of the road surface is 0,75 m on each side. The road surface has a 1:1,5 slope on the sides. The total width of the road surface is 0,75 m on each side.

Diagram illustrating the cross-section of a road with a 3.50m wide carriageway (JEZDNIA) and 0.75m wide shoulders (POBOCZE). The total width is 4.95m. The diagram shows a 6% slope on the shoulders and a 4% slope on the carriageway. The total width is 4.95m. The diagram also shows a 1:1.5 slope on the sides and a 0.40m depth for the base layer.

Diagram illustrating the cross-section of a road with a central driving lane (JEZDNIA) and shoulders (POBOCZE). The central lane width is 3,50 m, and the shoulder width is 0,75 m. The road has a 3% central slope and 6% side slopes. The base is 0,40 m wide with a 1:1.5 slope. The total width is 5,00 m.

The diagram illustrates the cross-section of a road structure. The top layer is the road surface, with a central width of 3.50 m labeled 'JEZDNIA' and two side slopes of 0.75 m each labeled 'POBOCZE'. The road surface has a central 4% grade and 6% grades on the sides. Below the surface is a 9 cm thick layer, followed by a 3 cm thick layer, and a 4 cm thick layer. The total thickness of these three layers is 1.3 m. The road is flanked by 1:1.5 slopes, with a 0.40 m wide shoulder on each side. The bottom layer is a 0.40 m thick base layer.

The diagram illustrates the cross-section of a road structure. The top layer is the road surface, with a central width of 3,50 m and side slopes (POBOCZE) of 0,75 m each. The road surface has a 4% grade in the center and 6% grades on the sides. Below the road surface is a 10 cm thick layer of bedding (warstwa podbudowy). The base of the road is a 15 cm thick layer of subgrade (warstwa podłoża). The total width of the road structure at the base is 10,00 m. The side slopes of the subgrade are 1:1,5. The diagram also shows the vertical alignment of the road, with a 4% grade in the center and 6% grades on the sides. The vertical axis is labeled with 0,40, 0,50, 0,60, and 0,70, indicating the vertical dimensions of the layers.

### SZCZEGÓŁ KONSTRUKCYJNY SKALA 1:20

The drawing shows a cross-section of a road structure. A dashed line indicates the ground level. A solid line represents the top of the concrete curb. The width of the ditch is labeled 'B' and the width of the curb is labeled 'A'. A legend on the right side of the drawing defines the symbols: 'A' for the thickness of the layer and 'B' for the width of the layer.

A - GRUBOŚĆ WARSTWY, SZEROKOŚĆ ODS  
B - GRUBOŚĆ WARSTWY, SZEROKOŚĆ ODS

SKALA 1:10

DREWNO KONSTRUKCYJNE  
KLASY C30

KLAMRA STALOWA  
4 szt/m

8 10 8

15

5

26

20

The diagram illustrates the cross-section of a road structure. The top layer is the road surface, with a central section labeled 'JEZDNIA' (3.50m wide) and side sections labeled 'POBOCZE' (0.75m wide each). The road surface has a 4% slope in the center and 6% slopes on the sides. Below the road surface is a 9cm thick layer of bedding. The total width of the road structure is 4.90m (0.75m + 3.50m + 0.75m). The road structure is shown on a 1:1.5 slope. The road surface is 0.40m wide at the edges. The bedding layer is 9cm thick. The total width of the road structure is 4.90m. The road structure is shown on a 1:1.5 slope. The road surface is 0.40m wide at the edges. The bedding layer is 9cm thick. The total width of the road structure is 4.90m.

The diagram illustrates the cross-section of a road structure. The top layer is the road surface, with a central width of 3,50 m and side slopes (POBOCZE) of 0,75 m each. The road surface has a central 4% slope and 6% slopes on the sides. Below the road surface is a 9 cm thick layer of bedding (podbudowa). The base (podkład) consists of three layers: a top layer of 3 cm, a middle layer of 4 cm, and a bottom layer of 6 cm. The base is supported by a 0,40 m thick subgrade (podłożie). The side slopes of the subgrade are 1:1,5. The total width of the subgrade at the base is 0,40 m on each side of the centerline.

The diagram illustrates a cross-section of a road structure. It features a central road surface with a 3% crown slope. On either side, there is a 6% slope leading to a 1:1.5 embankment. A dashed red line indicates the centerline. The structure includes multiple layers: a top asphalt layer, a base layer, and a subgrade. A drainage ditch is shown on the right side. The total length of the structure is labeled as  $L$ .

DLUGOŚĆ –  $L$

KONSTRUKCJA JEZDNI

22

UMOCNIENIE WŁOŚCI PRZEJŚCIA DLA PŁAZÓW


UMOCNIENIE OTOCZAKIEM KAMIENNY 10-15cm  
NA BETONI C12/15 GR. 10cm

1.20

0.60

B

- 1) WARSTWA ŚCIERALNA Z BETONU WŁAWANEGO RCC gr. 12 cm, BETON C20/25
- 2) WARSTWA ŚCIERALNA Z BETONU WŁAWANEGO RCC gr.8 cm, BETON C20/25 WWAŁOWANA W PODBUDOWĘ Z KRUSZYWA ŁAMANEGO
- 3) WARSTWA KLINUJĄCA Z KRUSZYWA ŁAMANEGO STABILIZOWANEGO MECHANICZNIE 0/8mm GR.3cm – SKAŁA LITA
- 4) WARSTWA PODBUDOWY Z KRUSZYWA ŁAMANEGO STABILIZOWANEGO MECHANICZNIE 0/31,5mm GR.12cm – SKAŁA LITA
- 5) WARSTWA PODBUDOWY Z KRUSZYWA ŁAMANEGO STABILIZOWANEGO MECHANICZNIE 0/31,5mm GR.15cm – SKAŁA LITA
- 6) WARSTWA PODBUDOWY Z KRUSZYWA ŁAMANEGO STABILIZOWANEGO MECHANICZNIE 0/63mm GR.15cm – SKAŁA LITA
- 7a) WARSTWA PODBUDOWY Z GRUŻU BETONOWEGO STABILIZOWANEGO MECHANICZNIE 31,5/63mm GR.15cm
- 7b) WARSTWA PODBUDOWY Z GRUŻU BETONOWEGO STABILIZOWANEGO MECHANICZNIE 0/63mm GR.15cm
- 8) WARSTWA MROZOOCHRONNA Z KRUSZYWA NATURALNEGO STABILIZOWANEGO MECHANICZNIE GR.15cm – PIASEK ŚREDNI
- 9) POBOCZE Z POSPÓŁKI Z DOMIESZKĄ GLINY 10
- 10) WARSTWA KLINUJĄCA PIASEK 0/2mm GR.4cm
- 11) GRUNT RODZIMY STABILIZOWANY WAPNEM GR. 15cm Rm=2,5–5 MPa
- 12) GRUNT RODZIMY STABILIZOWANY POPIOŁAMI GR. 15cm Rm=2,5–5 MPa
- 13) STABILIZACJA Z DOWOZU GR. 15cm Rm=2,5–5 MPa
- 14) GEOSIATKA O SZTYWNYCH WĘZŁACH
- 15) UMOCNIECIE ROWU OTÓCZAKIEM KAMIENNYM 10–15cm NA BETONIE C12/15 GR.10cm
- 16) GEOWŁÓKNINA SEPERACYJNA O GRAMTURZE 200g/m2 O WYSOKIEJ WYTRZYMAŁOŚCI NA PRZEBIECIE
- 17) GEOTKANINA
- 18) WARSTWA PODBUDOWY Z KRUSZYWA NATURALNEGO ŁAMANEGO Z DOMIESZKĄ CEMENTU 6% GR. 10cm
- 19) WARSTWA Z PIASKU GR. 10cm
- 20) GRUNT RODZIMY GR. 5 cm
- 21) WARSTWA PODBUDOWY Z KRUSZYWA NATURALNEGO ŁAMANEGO Z DOMIESZKĄ POPIOŁU 6% GR. 10cm
- 22) ZASYPKA Z POSPÓŁKI Is=0,98 GR. 15cm
- 23) RURA PEHD ø400
- 24) FUNDAMENT Z KRUSZYWA NATURALNEGO 0/31,5mm GR.15 cm
- 25) ŚCIANKA SZCZELNA Z GRODZIC WYNIŁOWYCH GW-300 H=100 cm

	<h1 style="margin: 0;">PRACOWNIA PROJEKTOWA</h1> <h1 style="margin: 0;">DROGBIT</h1>	<h1 style="margin: 0;">INWESTOR</h1>
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<p><b>OBJĘT:</b> Budowa drogi leśnej w leśnictwie Poduchy - dojazd Gospodarczy na działkach ewidencyjnych: 1/2, 1/5, 1/8, 1/10, 1/13 w obrębie Radziszewo 2</p>		
<b>RYSTUNEK:</b>	Przebiego normalne i szczegółowej konstrukcyjny	<b>NR RYSUNKU</b> 4.1 <b>PODPIS</b>
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Projektant	mgr inż. Grzegorz Piluszczyk	02/2016
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