

Technical drawing of a road cross-section showing a drainage ditch and a road surface. The drawing includes dimensions and labels for various components:

- Labels:**
  - jezdnia**: Road surface.
  - +1**: Elevation marker.
  - 0**: Elevation marker.
  - 12**: Elevation marker.
- Dimensions:**
  - 2%**: Slope percentage for the road surface.
  - 10**, **4**, **6**: Vertical dimensions for the ditch structure.
  - 15**, **30**, **15**: Vertical dimensions for the ditch structure.
  - 15**, **15**, **5**: Horizontal dimensions for the ditch structure.
  - 35**: Total horizontal width of the ditch structure.
  - 20**, **20**, **4**, **8**: Vertical dimensions for the road surface.
  - 52**: Total vertical height of the road surface.
- Other features:**
  - 3a**: Label for the hatched area on the left.
  - 1**, **2**, **3**, **4**, **5**, **6**, **7**, **8**: Numbered circles indicating specific points or components.

Diagram illustrating the cross-section of a road structure, showing various layers and dimensions. The diagram is divided into three main sections: zielen (green area), pobocze (shoulder), and jezdnia (roadway).

**Dimensions and Slopes:**

- zielen:** Slope of -7.
- pobocze:** Slope of 6%.
- jezdnia:** Slope of 2%.
- Vertical Dimensions:** 100 (total width of the green area and shoulder), 52 (total height of the road structure), 20 (height of the base layer), 20 (height of the sub-base layer), 4 (height of the base course), 8 (height of the surface course).
- Horizontal Dimensions:** 15, 15, 5 (widths of the base course, sub-base, and surface layers respectively), 35 (total width of the base course and sub-base).

**Labels and Markings:**

- 01:** Marking on the shoulder.
- 02:** Marking on the roadway.
- 03:** Marking on the roadway.
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- 98:** Marking on the roadway.
- 99:** Marking on the roadway.
- 100:** Marking on the roadway.

jezdnia

2%

parking

2%

8 4 15 15 22 15 15 25

1 2 3 4 5 9 11 12 2a 3c 5a

-4 0 +1

Diagram illustrating a cross-section of a road structure with a 1:1.5 embankment. The diagram shows the following details:

- Embankment (pobocze):** Slope ratio of 1:1.5. The top surface has a 6% downward slope. The elevation at the top left is -6.
- Road Surface (jezdnia):** The top surface has a 2% downward slope. The elevation at the top right is 0.
- Subgrade (3a):** Located below the embankment, with a 6% slope and a 10m width.
- Subgrade (3d):** Located below the road surface, with a 20m width.
- Subgrade (4):** Located below the road surface, with a 75m width.
- Subgrade (5):** Located below the road surface, with a 100m width.
- Subgrade (16):** Located below the road surface, with a 22m width.
- Subgrade (3b):** Located below the road surface, with a 10m width.
- Subgrade (3c):** Located below the road surface, with a 10m width.
- Subgrade (3e):** Located below the road surface, with a 10m width.
- Subgrade (3f):** Located below the road surface, with a 10m width.
- Subgrade (3g):** Located below the road surface, with a 10m width.
- Subgrade (3h):** Located below the road surface, with a 10m width.
- Subgrade (3i):** Located below the road surface, with a 10m width.
- Subgrade (3j):** Located below the road surface, with a 10m width.
- Subgrade (3k):** Located below the road surface, with a 10m width.
- Subgrade (3l):** Located below the road surface, with a 10m width.
- Subgrade (3m):** Located below the road surface, with a 10m width.
- Subgrade (3n):** Located below the road surface, with a 10m width.
- Subgrade (3o):** Located below the road surface, with a 10m width.
- Subgrade (3p):** Located below the road surface, with a 10m width.
- Subgrade (3q):** Located below the road surface, with a 10m width.
- Subgrade (3r):** Located below the road surface, with a 10m width.
- Subgrade (3s):** Located below the road surface, with a 10m width.
- Subgrade (3t):** Located below the road surface, with a 10m width.
- Subgrade (3u):** Located below the road surface, with a 10m width.
- Subgrade (3v):** Located below the road surface, with a 10m width.
- Subgrade (3w):** Located below the road surface, with a 10m width.
- Subgrade (3x):** Located below the road surface, with a 10m width.
- Subgrade (3y):** Located below the road surface, with a 10m width.
- Subgrade (3z):** Located below the road surface, with a 10m width.

[illegible]

Technical drawing of a road cross-section showing a sidewalk (chodník) and a road shoulder (opaska). The sidewalk has a 2% slope and is 10m wide. The road shoulder is 10m wide. The drawing includes various dimensions and labels for different parts of the road structure.

Labels and dimensions:

- chodník**: sidewalk
- opaska**: road shoulder
- 2%**: slope of the sidewalk
- 10**: width of the sidewalk
- 10**: width of the road shoulder
- 100**: total width of the road section
- 20**: width of the road section
- 10**: width of the road section
- 4**: width of the road section
- 8**: width of the road section
- 25**: width of the road section
- 9**: width of the road section
- 10**: width of the road section
- 13**: width of the road section
- 14**: width of the road section
- 15**: width of the road section

Technical drawing of a reinforced concrete trapezoidal channel cross-section. The channel has a bottom width of 40 cm and a top width of  $2b$ . The side slopes are 1:1.5. The channel is reinforced with a central horizontal bar of diameter 12 cm and two diagonal bars on each side. The channel is shown in a cross-section view with a hatched background.

- 1) nawierzchnia jezdni z kostki bet. gr. 8 cm (szara)
- 1a) nawierzchnia chodnika wzmożnionego z kostki bet. gr. 8 cm (grafit)
- 2) podsypka cem.-piaskowa (1:4) gr. 4 cm
- 2a) podsypka piaskowa 0/2 gr. 4 cm
- 2b) zaprawa cementowa M7 gr. 4 cm
- 3) podbudowa z mieszanki kruszywa łamanego C50/30 o uziarnieniu 0/31,5 gr. 20 cm
- 3a) podbudowa z mieszanki kruszywa łam. C50/30 o uziarnieniu 0/31,5 gr. 10 cm
- 3b) pobocze z mieszanki kruszywa łam. C50/30 o uziarnieniu 0/31,5 gr. 10 cm
- 3c) podbudowa z mieszanki kruszywa łam. C50/30 o uziarnieniu 0/31,5 gr. 15 cm
- 3d) podbudowa z mieszanki kruszywa łam. C50/30 o uziarnieniu 0/31,5 gr. 22 cm
- 4) warstwa wzmacniająca z geotekst. o R<sub>mn</sub>=30kN/m
- 5) w-wa mrozochronna z pospółki gr. 20 cm
- 5a) w-wa mrozochronna z pospółki gr. 15 cm
- 6) nawierzchnia chodnika w ulicy z kostki bet. gr. 6cm (szara)
- 7) krawężnik betonowy o wymiarach 15/30 cm
- 8) obrzeże betonowe o wymiarach 8/25 cm
- 9) ława betonowa z bet. C12/15 gr. 10 cm
- 11) krawężnik betonowy najazdowy o wymiarach 15/22 cm
- 12) nawierzchnia z płyt ażurowych "meba" 40x60x8 cm z wypełnieniem otworów kr. 8/31,5
- 13) w-wa żwiru płukanego 32/64 grubości 4cm
- 14) geowłókna
- 15) hydroizolacja
- 16) nawierzchnia z mies. kr. łam. 0/31,5 gr. 10 cm wraz warstwą klinkującą z klinka 5/20mm w ilości 50kg/m<sup>2</sup>

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