

Technical drawing of a road cross-section showing a 1:1 embankment, a 1:1 ditch, and a 2% road surface. The drawing includes dimensions for the embankment (25, 30, 23, 15, 20, 20, 20), the ditch (18, 3, 20, 14, 8, 5, 2), and the road surface (7, 5, 4). The drawing is divided into 13 numbered sections.

Technical drawing of a road cross-section showing various layers and dimensions. The drawing includes a central road section with a width of 20 units, flanked by shoulders of 20 units each. The road surface is labeled 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. The drawing also shows a 2% slope on the left side and a 0.5-5% slope on the right side. The total width of the road section is 60 units. The drawing is divided into three main sections: a central road section, a left shoulder, and a right shoulder. The central road section is 20 units wide, the left shoulder is 20 units wide, and the right shoulder is 20 units wide. The road surface is labeled 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. The drawing also shows a 2% slope on the left side and a 0.5-5% slope on the right side. The total width of the road section is 60 units.

[illegible]

Technical drawing of a road cross-section showing various layers and dimensions. The drawing is divided into two main sections by a vertical dashed line. The left section shows a road surface with a 2% slope and a 1:1 gradient. The right section shows a road surface with a 1-3% slope and a 1:1 gradient. The layers are numbered 1 through 16. Dimensions are given in meters (m) and centimeters (cm).

Dimensions (m):

- Top layer (1): 20
- Layer (2): 20
- Layer (3): 20
- Layer (4): 20
- Layer (5): 20
- Layer (6): 20
- Layer (7): 20
- Layer (8): 20
- Layer (9): 20
- Layer (10): 20
- Layer (11): 20
- Layer (12): 20
- Layer (13): 25

Dimensions (cm):

- Top layer (1): 5
- Layer (2): 8
- Layer (3): 5
- Layer (4): 8
- Layer (5): 5
- Layer (6): 8
- Layer (7): 5
- Layer (8): 8
- Layer (9): 5
- Layer (10): 8
- Layer (11): 5
- Layer (12): 8
- Layer (13): 5

Gradients:

- 2%
- 1-3%
- 1:1
- 1:1

[illegible]

Technical drawing of a stepped profile with dimensions and labels:

- Vertical dimensions on the left: 20, 20, 5, 8.
- Vertical dimensions on the right: 10, 30, 8, 10.
- Horizontal dimensions at the bottom: 10, 8.
- Labels in circles: 11, 15, 16, 5, 4, 6.
- Label 1 is at the top right corner.
- A slope of 1-3% is indicated at the top left.

Technical drawing of a stepped shaft. The shaft has a total length of 30 units and a total diameter of 17 units. It consists of three main sections: a left flange with a diameter of 17 and a thickness of 15; a middle section with a diameter of 25 and a length of 12; and a right flange with a diameter of 17 and a thickness of 5. The transition between the 17 and 25 diameter sections is a fillet with a radius of 10. The transition between the 25 and 17 diameter sections is a fillet with a radius of 17. The shaft is shown with a 0.5-4% taper. Dimensions are indicated by arrows and numbers: 30 (total length), 15 (left flange thickness), 12 (middle section length), 10 (fillet radius), 25 (middle section diameter), 17 (right flange diameter), 5 (right flange thickness), and 17 (fillet radius). The labels 17, 25, and 17 are circled. The label 0.5-4% is written above the shaft.

Technical drawing of a mechanical part (Fig. 1.10) showing a cross-section with dimensions and labels. The part is a stepped shaft with a total length of 150 mm. The left end is a flange with a diameter of 18 mm and a thickness of 10 mm. The main shaft has a diameter of 16 mm and a length of 100 mm. The right end is a flange with a diameter of 14 mm and a thickness of 8 mm. The part is shown with a 1:3 scale and a 1:30 scale. The drawing includes a section line and a hatched area indicating a cut.

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|--|-------------------------------|---|---------|
| JEDNOSTKA PROJEKTOWA   |                               | <div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #333; color: white; padding: 20px; margin-right: 10px; font-size: 2em; font-weight: bold;">SD</div> <div style="text-align: center;"> <div style="font-size: 4em; font-weight: bold; margin-bottom: 5px;">SD</div> <div style="font-size: 2em; font-weight: bold;">PROJEKT</div> </div> </div> |         |
| <b>SD PROJEKT s.c.</b><br>ul. Szymborska 10/8<br>60-254 Poznań   |                               |   |         |
| NAZWA I ADRES INWESTORA<br><b>Zarząd Województwa Wielkopolskiego</b><br>al. Niepodległości 34<br>61-714 Poznań<br>w imieniu którego działa<br><b>Wielkopolski Zarząd Dróg Wojewódzkich</b><br>w Poznaniu<br>ul. Wilcza 51<br>61-623 Poznań |                               |   |         |
| TEMAT<br><b>OPRACOWANIA:</b> Budowa kanalizacji deszczowej w ciągu drogi wojewódzkiej nr 444 w miejscowości Sulmierzyce  |                               |    |         |
| STADIUM: PROJEKT WYKONAWCZY  |                               |   |         |
| SPECJALNOŚĆ: DROGOWA   |                               |   |         |
| FUNKCJA  | IMIĘ I NAZWISKO               | UPRAWNIENIA   | PODPIS  |
| GŁÓWNY PROJEKTANT  | mgr inż. Tomasz KUZIŃIAK      | WKP/0124/PWOD/18  |         |
| PROJEKTANT   | mgr inż. Robert CYRKIEL       | WKP/0086/POOD/08  |         |
| OPRACOWAŁ  | inż. Kacper SZULC             | -   |         |
| SPRAWDZAJĄCY   | mgr inż. Wojciech MIKOŁAJCZYK | WKP/0300/PWOD/09  |         |
| DATA: listopad 2020 r.   |                               | SKALA:  | 1:10    |
| TYTUŁ RYSUNKU  |                               |   | RYS. NR |
| SZCZEGÓŁY KONSTRUKCYJNE  |                               |   | 4       |