

WYMIARY BLOKÓW OPOROWYCH

grunty mokre

| wewn. średn. mm | kat. złot. α° | A mm | B mm | ciśn. prób. 75 | | | | ciśn. prób. 15 | | | |
|-----------------------|---------------------|---------|---------|----------------|---------|---------|---------|----------------|---------|---------|---------|
| | | | | h mm | l mm | b mm | A mm | h mm | l mm | b mm | A mm |
| 100 | 90 | 300 | 200 | 300 | 400 | 200 | 300 | 400 | 200 | 300 | 400 |
| | 45 | 300 | 200 | 300 | 300 | 200 | 300 | 300 | 300 | 300 | 300 |
| | 30 | 300 | 200 | 250 | 300 | 200 | 300 | 250 | 300 | 250 | 300 |
| 150 | 90 | 400 | 200 | 450 | 850 | 200 | 500 | 800 | 250 | | |
| | 45 | 400 | 200 | 400 | 500 | 200 | 400 | 500 | 200 | 400 | 500 |
| | 30 | 400 | 200 | 400 | 500 | 200 | 400 | 500 | 200 | 400 | 500 |
| 200 | 90 | 600 | 250 | 650 | 1250 | 250 | 750 | 1800 | 350 | | |
| | 45 | 500 | 250 | 500 | 700 | 200 | 500 | 1000 | 200 | | |
| | 30 | 450 | 250 | 500 | 700 | 200 | 500 | 1000 | 200 | | |
| 250 | 90 | 750 | 300 | 800 | 1750 | 350 | 1000 | 2000 | 420 | | |
| | 45 | 550 | 300 | 700 | 950 | 250 | 800 | 1250 | 300 | | |
| | 30 | 500 | 300 | 600 | 700 | 250 | 800 | 1150 | 260 | | |
| 300 | 90 | 800 | 400 | 800 | 2500 | 450 | 1200 | 2500 | 500 | | |
| | 45 | 550 | 400 | 800 | 1350 | 250 | 800 | 1800 | 350 | | |
| | 30 | 500 | 400 | 750 | 900 | 250 | 800 | 1600 | 250 | | |

grunty suche i wilgotne

| wewn. średn. mm | kat. złot. α° | A mm | B mm | ciśn. prób. 75 | | | | ciśn. prób. 15 | | | |
|-----------------------|---------------------|---------|---------|----------------|---------|---------|---------|----------------|---------|---------|---------|
| | | | | h mm | l mm | b mm | A mm | h mm | l mm | b mm | A mm |
| 100 | 90 | 300 | 200 | 200 | 300 | 200 | 300 | 300 | 350 | 250 | |
| | 45 | 300 | 200 | 200 | 300 | 200 | 300 | 300 | 300 | 200 | |
| | 30 | 300 | 200 | 200 | 300 | 200 | 300 | 250 | 300 | 200 | |
| 150 | 90 | 400 | 200 | 300 | 770 | 250 | 400 | 1040 | 380 | | |
| | 45 | 400 | 200 | 300 | 520 | 250 | 400 | 640 | 250 | | |
| | 30 | 400 | 200 | 300 | 520 | 250 | 400 | 640 | 250 | | |
| 200 | 90 | 600 | 250 | 450 | 1040 | 250 | 600 | 1290 | 380 | | |
| | 45 | 500 | 250 | 450 | 520 | 250 | 450 | 770 | 250 | | |
| | 30 | 450 | 250 | 450 | 520 | 250 | 450 | 770 | 250 | | |
| 250 | 90 | 750 | 300 | 600 | 1290 | 380 | 650 | 1540 | 570 | | |
| | 45 | 650 | 300 | 600 | 640 | 380 | 600 | 1040 | 380 | | |
| | 30 | 500 | 300 | 600 | 520 | 250 | 600 | 770 | 250 | | |
| 300 | 90 | 800 | 400 | 650 | 1420 | 380 | 450 | 1690 | 510 | | |
| | 45 | 550 | 400 | 650 | 730 | 380 | 650 | 1290 | 380 | | |
| | 30 | 500 | 400 | 650 | 640 | 250 | 900 | 900 | 250 | | |

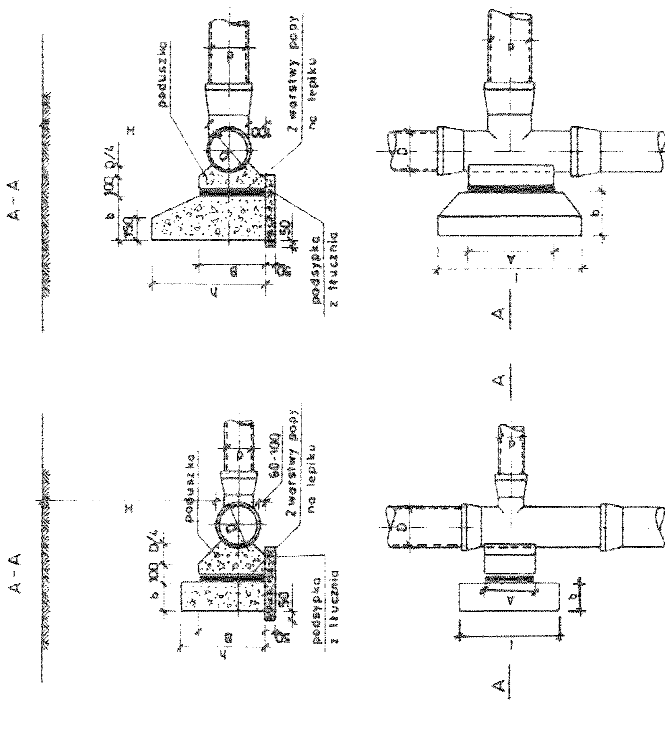
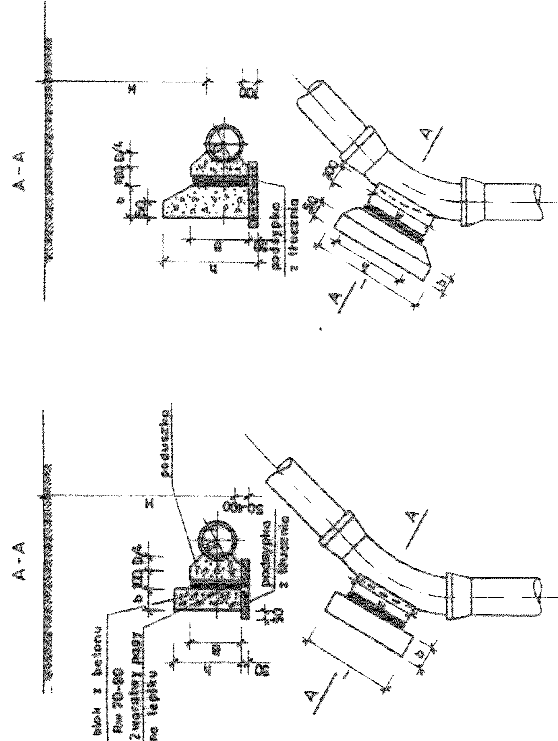
WYMIARY BLOKÓW OPOROWYCH

grunty mokre

| średnica trójnika | A mm | B mm | ciśn. prób. 75 | | | | ciśn. prób. 15 | | | |
|----------------------|---------|---------|----------------|---------|---------|---------|----------------|---------|---------|---------|
| | | | h mm | l mm | b mm | A mm | h mm | l mm | b mm | A mm |
| 300/300 | 700 | 400 | 600 | 1350 | 400 | 750 | 1400 | 400 | | |
| 300/250 | 600 | 300 | 600 | 900 | 400 | 600 | 1150 | 300 | | |
| 250/250 | | | | | | | | | | |
| 250/200 | 500 | 250 | 400 | 800 | 300 | 500 | 800 | 300 | | |
| 200/150 | 400 | 240 | 400 | 500 | 300 | 500 | 800 | 300 | | |
| 150/100 | 300 | 200 | 300 | 300 | 250 | 300 | 500 | 250 | | |
| 100/100 | | | | | | | | | | |

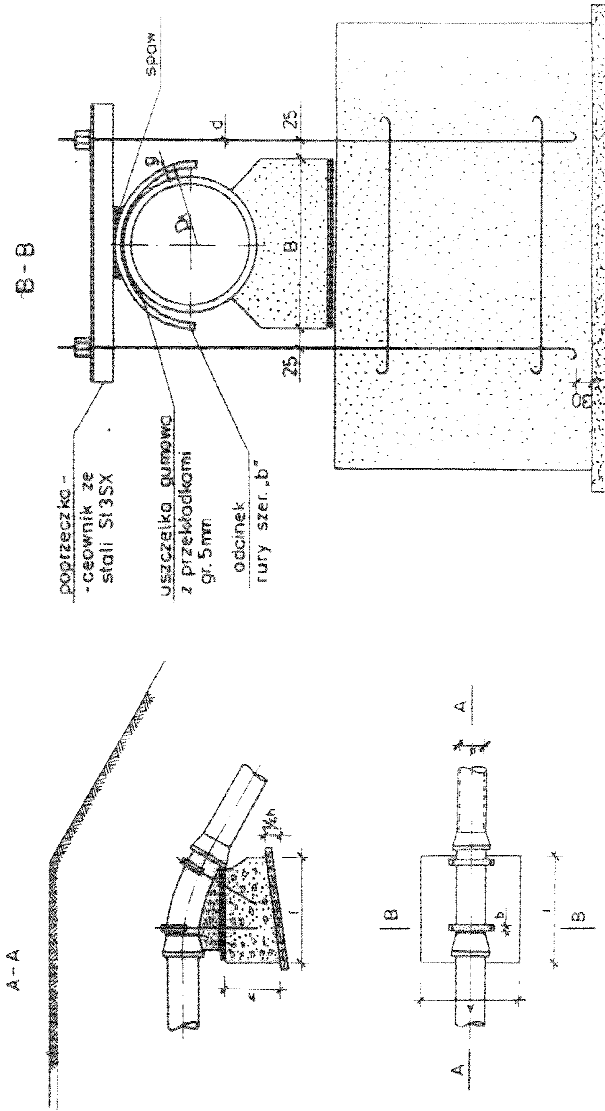
grunty suche i wilgotne

| średnica trójnika | A mm | B mm | ciśn. prób. 75 | | | | ciśn. prób. 15 | | | |
|----------------------|---------|---------|----------------|---------|---------|---------|----------------|---------|---------|---------|
| | | | h mm | l mm | b mm | A mm | h mm | l mm | b mm | A mm |
| 300/300 | 700 | 400 | 600 | 850 | 400 | 800 | 1250 | 400 | | |
| 300/250 | 600 | 300 | 400 | 850 | 300 | 650 | 1100 | 400 | | |
| 250/250 | | | | | | | | | | |
| 250/200 | 500 | 250 | 300 | 750 | 300 | 350 | 900 | 300 | | |
| 200/200 | | | | | | | | | | |
| 150/150 | 400 | 200 | 300 | 450 | 300 | 350 | 800 | 300 | | |
| 150/100 | 300 | 200 | 300 | 300 | 250 | 300 | 400 | 250 | | |
| 100/100 | | | | | | | | | | |



WYMIARY BLOKÓW

| średnica wew. D | kat. złot. α° | ciśn. prób. 75 | | | | ciśn. prób. 15 | | | |
|--------------------|---------------------|----------------|---------|---------|---------|----------------|---------|---------|---------|
| | | h mm | l mm | b mm | A mm | h mm | l mm | b mm | A mm |
| 100 | 45 | 100 | 300 | 300 | 100 | 300 | 300 | 300 | 300 |
| | 30 | 80 | 250 | 250 | 180 | 200 | 300 | | |
| | 45 | 100 | 350 | 350 | 150 | 400 | 400 | | |
| 150 | 45 | 100 | 350 | 350 | 150 | 350 | 300 | | |
| | 30 | 80 | 350 | 350 | 150 | 350 | 300 | | |
| | 45 | 100 | 500 | 500 | 200 | 600 | 600 | | |
| 200 | 45 | 150 | 550 | 550 | 200 | 600 | 600 | | |
| | 30 | 100 | 400 | 400 | 300 | 490 | 400 | | |
| | 45 | 150 | 550 | 550 | 200 | 600 | 600 | | |
| 250 | 45 | 150 | 550 | 550 | 200 | 600 | 600 | | |
| | 30 | 100 | 500 | 500 | 250 | 600 | 600 | | |
| | 45 | 150 | 600 | 600 | 250 | 750 | 750 | | |
| 300 | 45 | 150 | 550 | 550 | 200 | 600 | 600 | | |
| | 30 | 100 | 500 | 500 | 250 | 700 | 700 | | |
| | 45 | 150 | 600 | 600 | 250 | 750 | 750 | | |



Przebudowa sieci wodociągowej wraz z przyłączami w ulicy Piłsudskiego w Rypinie

| | | | |
|--|----------------|--|--------------------|
| Objekt: Sieć wodociągowa z przyłączami | | ul. Piłsudskiego, Rypin 87-500, dz. nr 562, obręb Rypin 1; | |
| Branża: sanitarna | | Lokalizacja obiektu: jedn. ewid. 041201, 1 Rypin miasto | |
| Inwestor: Przedsiębiorstwo Komunalne KOMES spółka z o.o. w Rypinie przy ul. Elży Orzeszkowej 4, 87-500 | | | |
| Firma: PRZEDSIĘBIORSTWO GOSPODARKI WODNO-ŚCIEKOWEJ "BIOBOX" | | Wiesław Mikołajczuk, ul. Polna 101; 87-100 Toruń | |
| Autoryzacja projektu: | Funkcja | Imię i nazwisko | Nr uprawnień |
| | Projektant | mgr inż. Wiesław Mikołajczuk | UARN-N/60/TO84 |
| | br. sanitarna: | | |
| | Sprawdzający | inż. Barbara Antonowicz | GP.1.734/2193/TO84 |
| Kod rysunku: | | Data opracowania: listopad 2018 r. | |
| Rodzaj projektu: | | BUDOWLANY | |
| Nr rys.: | | 6 | |