



LINEAR Analyse  
Version 25.2.90 (08.05.2026)  
LINEAR Analyse Waste Water Suite

**Projekt-Nr.:** 25011

**Datum:** 09.06.2026

**Projektdaten**

Bezeichnung: Ziegenpeter

Straße:

PLZ/Ort:

Telefon: /

Fax: /

**Bauherr/Auftraggeber**

Name: Wirtschaftsbetriebe Duisburg - AöR für Duisburger Werkstatt für Menschen mit Behinderung gGmbH

Straße: Kalkweg 10e

PLZ/Ort: 47055 Duisburg

Telefon: /

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Sachbearbeiter:

**Planer**

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Sachbearbeiter: R. Diekmann

**Bemerkungen**

## Allgemeine Projektdaten

### Zeichnungsdaten

Zeichnungsnummer:

Datei: 25011\_TGA-Modell-Z\_Neu\_RDiek.rvt

Inhalt: Druckverlustberechnung

Bearbeiter: PHö

Datum: 09.06.2026

### Gebäudedaten

Verfahren: DIN 1986-100 (2016)

Bauort:

Gebäudetyp: Gaststätte

Abflusskennzahl: 0.70

Berechnungsregenspende: 300 l/(s ha)

Freiflächenregenspende: 250 l/(s ha)

Jahrhundertregenspende: 500 l/(s ha)

Hinweise: Grundleitungen nach offenem Schacht werden mit erhöhtem Füllgrad bemessen (SW mit 0.7)

## Projektergebnisse

| Übersicht der Ergebnisse   |                |         |  |  |
|--|----------------|---------|--|--|
| Bereich  | Schmutzwasser  | Lüftung |  |  |
| Fließwege  | 24             | 3       |  |  |
| Teilstrecken   | 76             | 3       |  |  |
| Bauteile   | 248            | 22      |  |  |
| <p>Summe der Rohrlängen:</p> <p>Abwasser: 124.04 m<br/>           Lüftung: 8.75 m<br/>           Gesamt: 132.79 m</p> <p>Rohrnennweiten:</p> <p>Abwasser: DN 30 - DN 125<br/>           Lüftung: DN 100 - DN 100</p> <p>Gefälle:</p> <p>0.5 cm/m (1:200) - 2.0 cm/m (1:50)</p> |                |         |  |  |
| Längste Fließwege  |                |         |  |  |
| Schmutzwasser:   | Rückspülfilter |         |  |  |
| Fließweg:  | Nr. 1          |         |  |  |
| Länge:   | 54.5 m         |         |  |  |
| Höhe:  | 2.0 m          |         |  |  |
| Regenwasser:   | -              |         |  |  |
| Fließweg:  | -              |         |  |  |
| Länge:   | -              |         |  |  |
| Höhe:  | -              |         |  |  |

**Ziegenpeter****Zusammenstellung Fließwege**

| Dimensionierung des längsten Fließwegs (Schmutzwasser) |      |           |                        |                       |                       |                         |                     |   |                       |                       |           |      |          |        |     |
|--|------|-----------|------------------------|-----------------------|-----------------------|-------------------------|---------------------|---|-----------------------|-----------------------|-----------|------|----------|--------|-----|
| Ts.<br>Nr.   | Typ  | DU<br>l/s | Q <sub>ww</sub><br>l/s | Q <sub>p</sub><br>l/s | Q <sub>c</sub><br>l/s | Q <sub>tot</sub><br>l/s | A<br>m <sup>2</sup> | C | Q <sub>r</sub><br>l/s | Q <sub>m</sub><br>l/s | J<br>cm/m | h/di | v<br>m/s | l<br>m | DN  |
| S1   | G(i) | 29.4      | 3.8                    |                       |                       | 3.8                     |                     |   |                       |                       | 1.0       | 0.5  | 0.8      | 0.9    | 125 |
| S2   | G(i) | 29.4      | 3.8                    |                       |                       | 3.8                     |                     |   |                       |                       | 1.0       | 0.5  | 0.8      | 0.1    | 125 |
| S3   | S(i) | 16.9      | 2.9                    |                       |                       | 2.9                     |                     |   |                       |                       | 1.0       | 0.5  | 0.7      | 0.6    | 100 |
| S4   | G(i) | 16.9      | 2.9                    |                       |                       | 2.9                     |                     |   |                       |                       | 1.0       | 0.5  | 0.7      | 0.4    | 100 |
| S5   | G(i) | 14.9      | 2.7                    |                       |                       | 2.7                     |                     |   |                       |                       | 1.0       | 0.5  | 0.7      | 0.4    | 100 |
| S6   | G(i) | 14.4      | 2.7                    |                       |                       | 2.7                     |                     |   |                       |                       | 1.0       | 0.5  | 0.7      | 8.3    | 100 |
| S7   | G(a) | 14.4      | 2.7                    |                       |                       | 2.7                     |                     |   |                       |                       | 1.0       | 0.7  | 0.8      | 0.1    | 100 |
| S8   | G(a) | 14.4      | 2.7                    |                       |                       | 2.7                     |                     |   |                       |                       | 1.0       | 0.7  | 0.8      | 0.0    | 100 |
| S9   | G(i) | 14.4      | 2.7                    |                       |                       | 2.7                     |                     |   |                       |                       | 1.0       | 0.5  | 0.7      | 32.8   | 100 |
| S10  | G(i) | 11.4      | 2.4                    |                       |                       | 2.4                     |                     |   |                       |                       | 1.0       | 0.5  | 0.7      | 1.1    | 100 |
| S11  | G(i) | 9.4       | 2.1                    |                       |                       | 2.1                     |                     |   |                       |                       | 1.0       | 0.5  | 0.7      | 1.9    | 100 |
| S12  | G(i) | 3.1       | 1.2                    |                       |                       | 1.2                     |                     |   |                       |                       | 1.0       | 0.5  | 0.7      | 1.4    | 100 |
| S13  | G(i) | 3.1       | 1.2                    |                       |                       | 1.2                     |                     |   |                       |                       | 1.0       | 0.5  | 0.7      | 1.2    | 100 |
| S14  | G(i) | 2.3       | 1.1                    |                       |                       | 1.1                     |                     |   |                       |                       | 1.0       | 0.5  | 0.7      | 1.7    | 100 |
| S15  | G(i) | 1.5       | 0.9                    |                       |                       | 0.9                     |                     |   |                       |                       | 1.0       | 0.5  | 0.7      | 1.7    | 100 |
| S16  | G(i) | 1.5       | 0.9                    |                       |                       | 0.9                     |                     |   |                       |                       | 1.0       | 0.5  | 0.6      | 0.9    | 90  |
| S17  | SA   | 1.5       | 0.9                    |                       |                       | 0.9                     |                     |   |                       |                       | 1.0       |      |          | 0.2    | 70  |
| S18  | SA   | 0.5       | 0.5                    |                       |                       | 0.5                     |                     |   |                       |                       | 1.0       |      |          | 0.0    | 50  |
| S19  | EA   | 0.5       | 0.5                    |                       |                       | 0.5                     |                     |   |                       |                       | 1.0       |      |          | 0.8    | 50  |

**Ziegenpeter****Zusammenstellung Teilstrecken**

| Dimensionierung Teilstrecken       |      |           |                        |                       |                       |                         |                     |                       |                       |           |      |          |        |     |
|------------------------------------|------|-----------|------------------------|-----------------------|-----------------------|-------------------------|---------------------|-----------------------|-----------------------|-----------|------|----------|--------|-----|
| Ts.<br>Nr.                         | Typ  | DU<br>l/s | Q <sub>ww</sub><br>l/s | Q <sub>p</sub><br>l/s | Q <sub>c</sub><br>l/s | Q <sub>tot</sub><br>l/s | A<br>m <sup>2</sup> | Q <sub>r</sub><br>l/s | Q <sub>m</sub><br>l/s | J<br>cm/m | h/di | v<br>m/s | l<br>m | DN  |
| S1                                 | G(i) | 29.4      | 3.8                    |                       |                       | 3.8                     |                     |                       |                       | 1.0       | 0.5  | 0.8      | 0.88   | 125 |
| S2                                 | G(i) | 29.4      | 3.8                    |                       |                       | 3.8                     |                     |                       |                       | 1.0       | 0.5  | 0.8      | 0.14   | 125 |
| S3                                 | S(i) | 16.9      | 2.9                    |                       |                       | 2.9                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 0.62   | 100 |
| S4                                 | G(i) | 16.9      | 2.9                    |                       |                       | 2.9                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 0.35   | 100 |
| S5                                 | G(i) | 14.9      | 2.7                    |                       |                       | 2.7                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 0.39   | 100 |
| S6                                 | G(i) | 14.4      | 2.7                    |                       |                       | 2.7                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 8.26   | 100 |
| S7                                 | G(a) | 14.4      | 2.7                    |                       |                       | 2.7                     |                     |                       |                       | 1.0       | 0.7  | 0.8      | 0.06   | 100 |
| S8                                 | G(a) | 14.4      | 2.7                    |                       |                       | 2.7                     |                     |                       |                       | 1.0       | 0.7  | 0.8      | 0.01   | 100 |
| S9                                 | G(i) | 14.4      | 2.7                    |                       |                       | 2.7                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 32.84  | 100 |
| S10                                | G(i) | 11.4      | 2.4                    |                       |                       | 2.4                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 1.08   | 100 |
| S11                                | G(i) | 9.4       | 2.1                    |                       |                       | 2.1                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 1.95   | 100 |
| S12                                | G(i) | 3.1       | 1.2                    |                       |                       | 1.2                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 1.41   | 100 |
| S13                                | G(i) | 3.1       | 1.2                    |                       |                       | 1.2                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 1.25   | 100 |
| S14                                | G(i) | 2.3       | 1.1                    |                       |                       | 1.1                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 1.71   | 100 |
| S15                                | G(i) | 1.5       | 0.9                    |                       |                       | 0.9                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 1.69   | 100 |
| S16                                | G(i) | 1.5       | 0.9                    |                       |                       | 0.9                     |                     |                       |                       |           |      | 0.6      | 0.88   | 90  |
| - belüftet durch L103 Hauptlüftung |      |           |                        |                       |                       |                         |                     |                       |                       |           |      |          |        |     |
| S17                                | SA   | 1.5       | 0.9                    |                       |                       | 0.9                     |                     |                       |                       | 1.0       |      |          | 0.16   | 70  |
| S18                                | SA   | 0.5       | 0.5                    |                       |                       | 0.5                     |                     |                       |                       | 1.0       |      |          | 0.01   | 50  |
| S19                                | EA   | 0.5       | 0.5                    |                       |                       | 0.5                     |                     |                       |                       |           |      |          | 0.84   | 50  |
| S20                                | EA   | 1.0       | 0.7                    |                       |                       | 0.7                     |                     |                       |                       |           |      |          | 0.36   | 50  |
| S21                                | G(i) | 0.8       | 0.6                    |                       |                       | 0.8                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 1.78   | 100 |
| S22                                | EA   | 0.8       | 0.6                    |                       |                       | 0.8                     |                     |                       |                       |           |      |          | 0.03   | 50  |
| S23                                | G(i) | 6.3       | 1.8                    |                       |                       | 2.0                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 0.74   | 100 |
| S24                                | G(i) | 6.3       | 1.8                    |                       |                       | 2.0                     |                     |                       |                       |           |      | 0.7      | 0.79   | 100 |
| S25                                | SA   | 6.3       | 1.8                    |                       |                       | 2.0                     |                     |                       |                       | 1.0       |      |          | 0.83   | 100 |
| S26                                | SA   | 5.8       | 1.7                    |                       |                       | 2.0                     |                     |                       |                       | 1.0       |      |          | 0.79   | 100 |
| S27                                | SA   | 5.0       | 1.6                    |                       |                       | 2.0                     |                     |                       |                       | 1.0       |      |          | 0.43   | 100 |
| S28                                | SA   | 3.0       | 1.2                    |                       |                       | 2.0                     |                     |                       |                       | 1.0       |      |          | 0.45   | 100 |
| S29                                | SA   | 1.0       | 0.7                    |                       |                       | 0.7                     |                     |                       |                       | 1.0       |      |          | 0.10   | 50  |
| S30                                | SA   | 1.0       | 0.7                    |                       |                       | 0.7                     |                     |                       |                       | 1.0       |      |          | 1.35   | 50  |

**Ziegenpeter****Zusammenstellung Teilstrecken****Dimensionierung Teilstrecken**

| Ts.<br>Nr.                         | Typ  | DU<br>l/s | Q <sub>ww</sub><br>l/s | Q <sub>p</sub><br>l/s | Q <sub>c</sub><br>l/s | Q <sub>tot</sub><br>l/s | A<br>m <sup>2</sup> | Q <sub>r</sub><br>l/s | Q <sub>m</sub><br>l/s | J<br>cm/m | h/di | v<br>m/s | l<br>m | DN  |
|------------------------------------|------|-----------|------------------------|-----------------------|-----------------------|-------------------------|---------------------|-----------------------|-----------------------|-----------|------|----------|--------|-----|
| S31                                | EA   | 0.5       | 0.5                    |                       |                       | 0.5                     |                     |                       |                       |           |      |          | 0.24   | 40  |
| S32                                | EA   | 0.5       | 0.5                    |                       |                       | 0.5                     |                     |                       |                       |           |      |          | 0.19   | 40  |
| S33                                | EA   | 2.0       | 1.0                    |                       |                       | 2.0                     |                     |                       |                       |           |      |          | 1.23   | 100 |
| - belüftet durch L104 Hauptlüftung |      |           |                        |                       |                       |                         |                     |                       |                       |           |      |          |        |     |
| S34                                | EA   | 2.0       | 1.0                    |                       |                       | 2.0                     |                     |                       |                       |           |      |          | 0.05   | 90  |
| S35                                | G(i) | 0.8       | 0.6                    |                       |                       | 0.8                     |                     |                       |                       | 1.0       | 0.5  | 0.6      | 2.16   | 90  |
| S36                                | EA   | 0.8       | 0.6                    |                       |                       | 0.8                     |                     |                       |                       |           |      |          | 0.11   | 50  |
| S37                                | G(i) | 2.0       | 1.0                    |                       |                       | 2.0                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 0.07   | 100 |
| S38                                | EA   | 0.8       | 0.6                    |                       |                       | 0.8                     |                     |                       |                       |           |      |          | 0.06   | 40  |
| R39                                | G(i) |           |                        |                       |                       |                         | 0                   | 0.0                   |                       | 1.0       | 0.7  | 0.8      | 0.73   | 100 |
| R40                                | G(i) |           |                        |                       |                       |                         | 0                   | 0.0                   |                       |           |      | 0.8      | 0.78   | 100 |
| S41                                | EA   | 0.5       | 0.5                    |                       |                       | 0.5                     |                     |                       |                       |           |      |          | 0.20   | 40  |
| S42                                | G(i) | 2.0       | 1.0                    |                       |                       | 2.0                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 1.65   | 100 |
| S43                                | G(a) | 3.0       | 1.2                    |                       |                       | 1.2                     |                     |                       |                       | 1.0       | 0.7  | 0.8      | 0.25   | 100 |
| S44                                | G(a) | 3.0       | 1.2                    |                       |                       | 1.2                     |                     |                       |                       | 1.0       | 0.7  | 0.8      | 0.96   | 100 |
| R45                                | G(i) |           |                        |                       |                       |                         | 0                   | 0.0                   |                       | 1.0       | 0.7  | 0.8      | 0.05   | 100 |
| S46                                | G(i) | 12.5      | 2.5                    |                       |                       | 2.5                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 0.27   | 100 |
| S47                                | G(i) | 10.0      | 2.2                    |                       |                       | 2.2                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 1.00   | 100 |
| S48                                | G(i) | 10.0      | 2.2                    |                       |                       | 2.2                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 1.53   | 100 |
| S49                                | G(i) | 10.0      | 2.2                    |                       |                       | 2.2                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 0.55   | 100 |
| S50                                | G(i) | 10.0      | 2.2                    |                       |                       | 2.2                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 0.75   | 100 |
| S51                                | G(i) | 10.0      | 2.2                    |                       |                       | 2.2                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 2.18   | 100 |
| S52                                | G(i) | 10.0      | 2.2                    |                       |                       | 2.2                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 0.22   | 100 |
| S53                                | G(i) | 10.0      | 2.2                    |                       |                       | 2.2                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 1.40   | 100 |
| S54                                | G(i) | 10.0      | 2.2                    |                       |                       | 2.2                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 1.61   | 100 |
| S55                                | G(i) | 10.0      | 2.2                    |                       |                       | 2.2                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 0.24   | 100 |
| S56                                | G(i) | 10.0      | 2.2                    |                       |                       | 2.2                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 0.93   | 100 |
| S57                                | G(i) | 10.0      | 2.2                    |                       |                       | 2.2                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 0.57   | 100 |
| S58                                | G(i) | 8.0       | 2.0                    |                       |                       | 2.0                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 0.40   | 100 |
| S59                                | G(i) | 8.0       | 2.0                    |                       |                       | 2.0                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 0.76   | 100 |
| S60                                | G(i) | 8.0       | 2.0                    |                       |                       | 2.0                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 0.73   | 100 |

**Ziegenpeter****Zusammenstellung Teilstrecken**

| Dimensionierung Teilstrecken       |      |           |                        |                       |                       |                         |                     |                       |                       |           |      |          |        |     |
|------------------------------------|------|-----------|------------------------|-----------------------|-----------------------|-------------------------|---------------------|-----------------------|-----------------------|-----------|------|----------|--------|-----|
| Ts.<br>Nr.                         | Typ  | DU<br>l/s | Q <sub>ww</sub><br>l/s | Q <sub>p</sub><br>l/s | Q <sub>c</sub><br>l/s | Q <sub>tot</sub><br>l/s | A<br>m <sup>2</sup> | Q <sub>r</sub><br>l/s | Q <sub>m</sub><br>l/s | J<br>cm/m | h/di | v<br>m/s | l<br>m | DN  |
| S61                                | G(i) | 6.0       | 1.7                    |                       |                       | 1.7                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 1.24   | 100 |
| S62                                | G(i) | 4.0       | 1.4                    |                       |                       | 1.4                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 0.03   | 100 |
| S63                                | G(i) | 3.0       | 1.2                    |                       |                       | 1.2                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 0.70   | 100 |
| S64                                | G(i) | 1.0       | 0.7                    |                       |                       | 0.7                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 1.56   | 100 |
| - belüftet durch L105 Hauptlüftung |      |           |                        |                       |                       |                         |                     |                       |                       |           |      |          |        |     |
| S65                                | G(i) | 1.0       | 0.7                    |                       |                       | 0.7                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 0.69   | 100 |
| R66                                | G(i) | 1.0       | 0.7                    |                       |                       |                         | 0                   | 0.0                   |                       | 1.0       | 0.7  | 0.8      | 1.49   | 100 |
| S67                                | G(i) | 2.0       | 1.0                    |                       |                       | 1.0                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 0.75   | 100 |
| R68                                | G(i) | 2.0       | 1.0                    |                       |                       |                         | 0                   | 0.0                   |                       | 1.0       | 0.7  | 0.8      | 0.90   | 100 |
| R69                                | G(i) | 2.0       | 1.0                    |                       |                       |                         | 0                   | 0.0                   |                       | 1.0       | 0.7  | 0.8      | 0.86   | 100 |
| S70                                | G(i) | 0.0       | 0.1                    |                       |                       | 0.1                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 0.75   | 100 |
| S71                                | G(i) | 2.0       | 1.0                    |                       |                       | 1.0                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 1.90   | 100 |
| R72                                | G(i) |           |                        |                       |                       |                         | 0                   | 0.0                   |                       | 1.0       | 0.7  | 0.8      | 0.40   | 100 |
| R73                                | G(i) |           |                        |                       |                       |                         | 0                   | 0.0                   |                       |           |      | 0.8      | 0.44   | 100 |
| R74                                | G(i) |           |                        |                       |                       |                         | 0                   | 0.0                   |                       | 1.0       | 0.7  | 0.8      | 0.15   | 100 |
| R75                                | G(i) |           |                        |                       |                       |                         | 0                   | 0.0                   |                       |           |      | 0.8      | 0.47   | 100 |
| R76                                | G(i) |           |                        |                       |                       |                         | 0                   | 0.0                   |                       | 1.0       | 0.7  | 0.8      | 0.36   | 100 |
| R77                                | G(i) |           |                        |                       |                       |                         | 0                   | 0.0                   |                       |           |      | 0.8      | 0.53   | 100 |
| R78                                | G(i) |           |                        |                       |                       |                         | 0                   | 0.0                   |                       | 1.0       | 0.7  | 0.8      | 0.49   | 100 |
| R79                                | G(i) |           |                        |                       |                       |                         | 0                   | 0.0                   |                       |           |      | 0.8      | 0.53   | 100 |
| R80                                | G(i) |           |                        |                       |                       |                         | 0                   | 0.0                   |                       | 1.0       | 0.7  | 0.8      | 0.48   | 100 |
| R81                                | G(i) |           |                        |                       |                       |                         | 0                   | 0.0                   |                       |           |      | 0.8      | 0.55   | 100 |
| R82                                | G(i) |           |                        |                       |                       |                         | 0                   | 0.0                   |                       | 1.0       | 0.7  | 0.8      | 1.57   | 100 |
| R83                                | G(i) |           |                        |                       |                       |                         | 0                   | 0.0                   |                       |           |      | 0.8      | 0.55   | 100 |
| R84                                | G(i) |           |                        |                       |                       |                         | 0                   | 0.0                   |                       | 1.0       | 0.7  | 0.8      | 0.65   | 100 |
| R85                                | G(i) |           |                        |                       |                       |                         | 0                   | 0.0                   |                       |           |      | 0.8      | 0.57   | 100 |
| R86                                | G(i) |           |                        |                       |                       |                         | 0                   | 0.0                   |                       | 1.0       | 0.7  | 0.8      | 1.00   | 100 |
| R87                                | G(i) |           |                        |                       |                       |                         | 0                   | 0.0                   |                       |           |      | 0.8      | 0.54   | 100 |
| S88                                | G(i) | 2.5       | 1.1                    |                       |                       | 2.0                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 1.73   | 100 |
| S89                                | G(i) | 2.5       | 1.1                    |                       |                       | 2.0                     |                     |                       |                       |           |      | 0.7      | 1.61   | 100 |
| S90                                | EA   | 2.0       | 1.0                    |                       |                       | 2.0                     |                     |                       |                       |           |      |          | 1.72   | 90  |

## Ziegenpeter

## Zusammenstellung Teilstrecken

| Dimensionierung Teilstrecken |      |           |                        |                       |                       |                         |                     |                       |                       |           |      |          |        |     |
|------------------------------|------|-----------|------------------------|-----------------------|-----------------------|-------------------------|---------------------|-----------------------|-----------------------|-----------|------|----------|--------|-----|
| Ts.<br>Nr.                   | Typ  | DU<br>l/s | Q <sub>ww</sub><br>l/s | Q <sub>p</sub><br>l/s | Q <sub>c</sub><br>l/s | Q <sub>tot</sub><br>l/s | A<br>m <sup>2</sup> | Q <sub>r</sub><br>l/s | Q <sub>m</sub><br>l/s | J<br>cm/m | h/di | v<br>m/s | l<br>m | DN  |
| R91                          | G(i) |           |                        |                       |                       |                         | 0                   | 0.0                   |                       | 1.0       | 0.7  | 0.8      | 0.60   | 100 |
| R92                          | G(i) |           |                        |                       |                       |                         | 0                   | 0.0                   |                       |           |      | 0.8      | 0.73   | 100 |
| S93                          | SA   | 0.5       | 0.5                    |                       |                       | 0.5                     |                     |                       |                       |           |      |          | 0.00   | 50  |
| S94                          | EA   | 0.5       | 0.5                    |                       |                       | 0.5                     |                     |                       |                       |           |      |          | 0.37   | 40  |
| R95                          | EA   |           |                        |                       |                       |                         | 0                   | 0.0                   |                       |           |      |          | 0.01   | 30  |
| S96                          | G(i) | 0.5       | 0.5                    |                       |                       | 0.5                     |                     |                       |                       | 1.0       | 0.5  | 0.6      | 1.41   | 90  |
| S97                          | EA   | 0.5       | 0.5                    |                       |                       | 0.5                     |                     |                       |                       |           |      |          | 0.57   | 40  |
| S98                          | G(i) | 2.0       | 1.0                    |                       |                       | 2.0                     |                     |                       |                       | 1.0       | 0.5  | 0.7      | 0.25   | 100 |
| S99                          | G(i) | 2.0       | 1.0                    |                       |                       | 2.0                     |                     |                       |                       |           |      | 0.7      | 1.28   | 100 |
| S100                         | EA   | 2.0       | 1.0                    |                       |                       | 2.0                     |                     |                       |                       |           |      |          | 0.14   | 90  |
| R101                         | EA   |           |                        |                       |                       |                         | 0                   | 0.0                   |                       |           |      |          | 0.13   | 100 |

## Ziegenpeter

## Lüftungsleitungen

| Dimensionierung Lüftung |                 |     |                       |
|-------------------------|-----------------|-----|-----------------------|
| Ts.<br>Nr.              | Art der Lüftung | DN  | Belüftete Teilstrecke |
| L103                    | Hauptlüftung    | 100 | S16                   |
| L104                    | Hauptlüftung    | 100 | S33                   |
| L105                    | Hauptlüftung    | 100 | S64                   |

**Ziegenpeter****Entwässerungsgegenstände****Liste aller Entwässerungsgegenstände**

| Fl.<br>Nr. | Entwässerungsgegenstände              | DU<br>l/s | Q <sub>c</sub><br>l/s | Q <sub>r</sub><br>l/s | Q <sub>r,max</sub><br>l/s | A<br>m² | C | DN  |
|------------|---------------------------------------|-----------|-----------------------|-----------------------|---------------------------|---------|---|-----|
| 1          | Rückspülfilter                        | 0.5       |                       |                       |                           |         |   | 50  |
| 2          | Teilnetzstart                         | 1.0       |                       |                       |                           |         |   | 50  |
| 3          | Bodenablauf mit Geruchverschluss      | 0.8       |                       |                       |                           |         |   | 50  |
| 4          | Waschtisch mit Montageelement         | 0.5       |                       |                       |                           |         |   | 40  |
| 5          | Waschtisch mit Montageelement         | 0.5       |                       |                       |                           |         |   | 40  |
| 6          | WC mit Spülkasten, mit Montageelement | 2.0       |                       |                       |                           |         |   | 90  |
| 7          | Geschirrspülmaschine<br>Strang 1      | 0.8       |                       |                       |                           |         |   | 50  |
| 8          | WC mit Spülkasten, mit Montageelement | 2.0       |                       |                       |                           |         |   | 90  |
| 9          | Urinal mit Montageelement             | 0.8       |                       |                       |                           |         |   | 40  |
| 11         | Waschtisch mit Montageelement         | 0.5       |                       |                       |                           |         |   | 40  |
| 12         | WC mit Spülkasten, mit Montageelement | 2.0       |                       |                       |                           |         |   | 90  |
| 13         | Container Außen                       | 3.0       |                       |                       |                           |         |   | 100 |
| 15         | 2x Urinal Bestand                     | 1.0       |                       |                       |                           |         |   | 100 |
| 16         | 2x WT Bestand                         | 1.0       |                       |                       |                           |         |   | 100 |
| 17         | WC Bestand                            | 2.0       |                       |                       |                           |         |   | 100 |
| 18         | WC Bestand                            | 2.0       |                       |                       |                           |         |   | 100 |
| 19         | WC Bestand                            | 2.0       |                       |                       |                           |         |   | 100 |
| 20         | Teilnetzstart                         | 0.0       |                       |                       |                           |         |   | 100 |
| 21         | Teilnetzstart                         | 2.0       |                       |                       |                           |         |   | 50  |
| 30         | WC mit Spülkasten, mit Montageelement | 2.0       |                       |                       |                           |         |   | 90  |
| 32         | Waschtisch mit Montageelement         | 0.5       |                       |                       |                           |         |   | 40  |
| 34         | Waschtisch mit Montageelement         | 0.5       |                       |                       |                           |         |   | 40  |
| 35         | WC mit Spülkasten, mit Montageelement | 2.0       |                       |                       |                           |         |   | 90  |

## Ziegenpeter

## Entwässerungsgegenstände

### Liste aller Entwässerungsgegenstände

| Anzahl    | Entwässerungsgegenstände              | DU<br>l/s | Q <sub>c</sub><br>l/s | Q <sub>r</sub><br>l/s | DN  | Σ<br>l/s    |
|-----------|---------------------------------------|-----------|-----------------------|-----------------------|-----|-------------|
| 1         | 2x Urinal Bestand                     | 1.0       | 0.0                   | 0.0                   | 100 | 1.0         |
| 1         | 2x WT Bestand                         | 1.0       | 0.0                   | 0.0                   | 100 | 1.0         |
| 1         | Bodenablauf mit Geruchverschluss      | 0.8       | 0.0                   | 0.0                   | 50  | 0.8         |
| 1         | Container Außen                       | 3.0       | 0.0                   | 0.0                   | 100 | 3.0         |
| 1         | Geschirrspülmaschine                  | 0.8       | 0.0                   | 0.0                   | 50  | 0.8         |
| 1         | Rückspülfilter                        | 0.5       | 0.0                   | 0.0                   | 50  | 0.5         |
| 1         | Teilnetzstart                         | 0.0       | 0.0                   | 0.0                   | 100 | 0.0         |
| 1         | Teilnetzstart                         | 1.0       | 0.0                   | 0.0                   | 50  | 1.0         |
| 1         | Teilnetzstart                         | 2.0       | 0.0                   | 0.0                   | 50  | 2.0         |
| 1         | Urinal mit Montageelement             | 0.8       | 0.0                   | 0.0                   | 40  | 0.8         |
| 3         | WC Bestand                            | 2.0       | 0.0                   | 0.0                   | 100 | 6.0         |
| 5         | WC mit Spülkasten, mit Montageelement | 2.0       | 0.0                   | 0.0                   | 90  | 10.0        |
| 5         | Waschtisch mit Montageelement         | 0.5       | 0.0                   | 0.0                   | 40  | 2.5         |
| <b>23</b> | <b>Summe Anschluss, ungemindert:</b>  |           |                       |                       |     | <b>29.4</b> |