Theoretical pipe loading calculations can be provided on request, these are intended only as guidance to facilitate the confirmation of the suitability of a particular pipe size and type in the application expressed.

As AQUA Fabrications Ltd has no control over the design, installation and application of the stated product, we would remind you that it remains the responsibility of the designer/ installation contractor to ensure thatproducts specified are suitable for a given application.

**Application & Surcharge Pressure:**

Application -

Surcharge Pressure, Ps (if known\*) - kN/m²

**Pipe Information:**

Pipe Type - Choose an item.

Buried Depth (m) -

Offset from Running Rail / 6ft width, if applicable (m) -

Soil Density (kN/m³) *(Ballast Weight as per NR/L2/CIV/044 is 21kN/m³) -*

**Native Soil Information (see table 13 for guidance):**

Native Soil Description -

Native Soil Modulus, E’3 - MN/m²

**Backfill Material; Bed and Surround (see table 14 & 15 for guidance):**

Backfill Class -

Compaction % -

***\*****If surcharge pressure is not known, please indicate if you would like us to calculate the pipe deflection using values determined by either BS 9295:2020 (Guide to the Structural Design of Buried Pipes) or Load Model 71 and Boussinesq Equation****.***

Based on the information provided above, theoretical pipe loading calculations will be generated and provided to you in PDF format within 3 working days.

For further information or guidance please speak with our technical team.

**Guidance Information**

*The following tables are extracts from BS 9295:2020 ‘Guide to the Structural Design of Buried Pipes’ and are provided here for reference in good faith****.***

Table

Description automatically generated

Table

Description automatically generated with low confidence

Diagram, engineering drawing

Description automatically generated