



Figure Title

**Exploratory positions, Ansty Farm**

Client

**Fairfax Properties Ltd**

Drawing Number

**P21367\_R4\_D02**

Project Number

**P21367**

Date

**05/10/23**

Scale

**1:10,000**

Drawn

**RLW**

Site Location

**Ansty Farm, Mid Sussex**

Original

**A4**

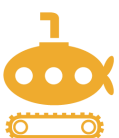
Checked

**JEM**

**YELLOW**  
SUB  
GEO

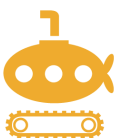


## **Appendix E: Sewer asset location plans**





## **Appendix F: Greenfield runoff calculations**



|                       |                       |                                                                                     |
|-----------------------|-----------------------|-------------------------------------------------------------------------------------|
| HK Hydrology          |                       | Page 1                                                                              |
| 10 St Hubert Road     |                       |  |
| Clanfield             |                       |                                                                                     |
| PO8 0EJ               |                       |                                                                                     |
| Date 23/08/2022 15:54 | Designed by user      |                                                                                     |
| File                  | Checked by            |                                                                                     |
| Innovyze              | Source Control 2020.1 |                                                                                     |

ICP SUDS Mean Annual Flood

Input

|                       |        |           |       |               |          |
|-----------------------|--------|-----------|-------|---------------|----------|
| Return Period (years) | 1      | SAAR (mm) | 800   | Urban         | 0.000    |
| Area (ha)             | 99.410 | Soil      | 0.450 | Region Number | Region 7 |

**Results      l/s**

|            |        |
|------------|--------|
| QBAR Rural | 473.4  |
| QBAR Urban | 473.4  |
|            |        |
| Q1 year    | 402.4  |
|            |        |
| Q1 year    | 402.4  |
| Q30 years  | 1072.9 |
| Q100 years | 1510.1 |

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Pre-development discharge

|                              |              |        |
|------------------------------|--------------|--------|
| Site Makeup                  | Greenfield ▼ | OK     |
| Greenfield Method            | IH124 ▼      | Cancel |
| Positively Drained Area (ha) | 101.740      |        |
| SAAR (mm)                    | 813          | Load   |
| Soil Index                   | 4 ▼          |        |
| SPR                          | 0.47         |        |
| Region                       | 1 ▼          |        |
| Betterment (%)               | 0            |        |
|                              | Calc         |        |
| QBar (l/s)                   | 541.2        |        |

| Return Period (years) | Growth Factor | Q (l/s) |
|-----------------------|---------------|---------|
| 1                     | 0.85          | 460.0   |
| 30                    | 1.95          | 1055.3  |
| 100                   | 2.48          | 1342.2  |

## **Appendix G: Outline Drainage Strategy layout**

