

1. All work to be in accordance with the current Building Regulations 2. Only written dimensions to be used 3. Discrepancies and abnormalities to be reported 4. If in doubt Ask

| Manhole Number | Cover Level | Connections | Pipe |         |                | Manhole Size | Types   |       |
|----------------|-------------|-------------|------|---------|----------------|--------------|---------|-------|
|                |             |             | Code | Inverts | Diams Inv-soff |              | Manhole | Cover |
| F1             | 24.249      |             | 0    | 1.000   | 22.270         | 150          | B       | D400  |
| E. 446657.493  | 1.829       |             |      |         |                |              |         |       |
| F2             | 23.386      |             | 0    | 1.001   | 21.145         | 150          | B       | D400  |
| E. 446656.569  | 2.091       |             |      |         |                |              |         |       |
| F3             | 22.417      |             | 0    | 1.002   | 20.271         | 150          | B       | D400  |
| E. 446644.326  | 1.996       |             |      |         |                |              |         |       |
| F4             | 21.030      |             | 0    | 1.003   | 18.842         | 150          | B       | D400  |
| E. 446684.409  | 2.038       |             |      |         |                |              |         |       |
| F5             | 21.166      |             | 0    | 1.004   | 18.706         | 150          | B       | D400  |
| E. 446701.816  | 2.310       |             |      |         |                |              |         |       |
| F6             | 21.194      |             | 0    | 1.005   | 18.600         | 150          | B       | D400  |
| E. 446717.123  | 2.444       |             |      |         |                |              |         |       |
| F7             | 21.113      |             | 0    | 1.006   | 18.485         | 150          | B       | D400  |
| E. 446713.236  | 2.478       |             |      |         |                |              |         |       |
| F8             | 21.234      |             | 0    | 1.007   | 18.393         | 150          | B       | D400  |
| E. 446712.593  | 2.691       |             |      |         |                |              |         |       |

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|----------------|-------------|-------------|------|---------|----------------|--------------|---------|----------|----------------------|
|                |             |             | Code | Inverts | Diams Inv-soff |              | Manhole | Cover    |                      |
| F9             | 21.200      |             | 1    | 3.003   | 17.290         | 150          | 3000    | WET WELL | GUARDSMAN OR SIMILAR |
| E. 446697.379  | 8.050       |             | 2    | 1.007   | 18.298         | 150          |         |          |                      |
| N. 403659.946  |             |             | 0    | 1.008   | 13.000         | 150          |         |          |                      |
| F10            | 26.891      |             | 0    | 2.000   | 25.046         | 150          | 1200    | B        | D400                 |
| E. 446743.465  | 1.695       |             |      |         |                |              |         |          |                      |
| F11            | 26.138      |             | 1    | 2.000   | 24.332         | 150          | 1200    | B        | D400                 |
| E. 446738.842  | 1.656       |             | 0    | 2.001   | 24.332         | 150          |         |          |                      |
| N. 403813.926  |             |             | 1    | 2.001   | 24.022         | 150          |         |          |                      |
| F12            | 25.823      |             | 1    | 2.001   | 24.022         | 150          | 1500    | B        | D400                 |
| E. 446738.798  | 1.651       |             | 0    | 2.002   | 24.022         | 150          |         |          |                      |
| N. 403807.056  |             |             | 1    | 2.002   | 21.845         | 150          |         |          |                      |
| F13            | 23.643      |             | 1    | 2.003   | 20.919         | 150          | 1200    | B        | D400                 |
| E. 446727.151  | 1.648       |             | 0    | 2.003   | 21.845         | 150          |         |          |                      |
| N. 403759.842  |             |             | 1    | 2.003   | 20.919         | 150          |         |          |                      |
| F14            | 22.806      |             | 1    | 1.008   | 30.023         | 150          | 1200    | B        | D400                 |
| E. 446729.525  | 1.737       |             | 0    | 2.004   | 20.919         | 150          |         |          |                      |
| N. 403743.704  |             |             | 1    | 1.009   | 29.964         | 150          |         |          |                      |
| F15            | 31.974      |             | 1    | 1.009   | 29.964         | 150          | 1200    | B        | D400                 |
| E. 446691.282  | 1.801       |             | 0    | 1.009   | 30.023         | 150          |         |          |                      |
| N. 403890.121  |             |             | 1    | 1.010   | 29.814         | 300          |         |          |                      |
| F16            | 32.543      |             | 1    | 1.010   | 29.554         | 300          | 1500    | B        | D400                 |
| E. 446684.840  | 2.429       |             | 0    | 1.010   | 29.814         | 300          |         |          |                      |
| N. 403896.094  |             |             | 1    | 1.010   | 29.554         | 300          |         |          |                      |
| F17            | 33.400      |             | 0    | 1.007   | 18.393         | 150          | 1200    | A        | D400                 |
| E. 446653.182  | 3.546       |             |      |         |                |              |         |          |                      |

| Manhole Number | Cover Level | Connections | Pipe |         |                | Manhole Size | Types   |       |      |
|----------------|-------------|-------------|------|---------|----------------|--------------|---------|-------|------|
|                |             |             | Code | Inverts | Diams Inv-soff |              | Manhole | Cover |      |
| F23            | 21.088      |             | 0    | 3.000   | 17.752         | 150          | 1200    | A     | D400 |
| E. 446680.123  | 3.186       |             |      |         |                |              |         |       |      |
| F26            | 21.300      |             | 0    | 3.005   | 17.345         | 150          | 1200    | A     | D400 |
| E. 446702.105  | 3.805       |             |      |         |                |              |         |       |      |
| F23A           | 21.321      |             | 0    | 3.001   | 17.626         | 150          | 1200    | A     | D400 |
| E. 446683.219  | 3.545       |             |      |         |                |              |         |       |      |
| F23B           | 21.403      |             | 0    | 3.002   | 17.584         | 150          | 1200    | A     | D400 |
| E. 446685.173  | 3.669       |             |      |         |                |              |         |       |      |
| F24            | 21.475      |             | 0    | 3.003   | 17.539         | 150          | 1200    | A     | D400 |
| E. 446689.286  | 3.786       |             |      |         |                |              |         |       |      |
| F25            | 21.433      |             | 0    | 3.004   | 17.421         | 150          | 1200    | A     | D400 |
| E. 446704.288  | 3.862       |             |      |         |                |              |         |       |      |
| F26            | 21.300      |             | 0    | 3.005   | 17.345         | 150          | 1200    | A     | D400 |
| E. 446702.105  | 3.806       |             |      |         |                |              |         |       |      |

| FOUL SYSTEM |                          |               |           |             |                  |        |        |                    |        |        |
|-------------|--------------------------|---------------|-----------|-------------|------------------|--------|--------|--------------------|--------|--------|
| Pipe Code   | Diameter (Inv-Soff) (mm) | Gradient (1:) | Pipe Type | Pipe Length | Upstream Manhole |        |        | Downstream Manhole |        |        |
|             |                          |               |           |             | Number           | Invert | Cover  | Number             | Invert | Cover  |
| 1.000       | 150                      | 15.4          | CLAY      | 17.343      | F1               | 22.270 | 24.249 | F2                 | 21.145 | 23.386 |
| 1.001       | 150                      | 31.5          | CLAY      | 27.528      | F2               | 21.145 | 23.386 | F3                 | 20.271 | 22.417 |
| 1.002       | 150                      | 43.3          | CLAY      | 61.814      | F3               | 20.271 | 22.417 | F4                 | 18.842 | 21.030 |
| 1.003       | 150                      | 149.4         | CLAY      | 20.322      | F4               | 18.842 | 21.030 | F5                 | 18.706 | 21.166 |
| 1.004       | 150                      | 149.6         | CLAY      | 15.860      | F5               | 18.706 | 21.166 | F6                 | 18.600 | 21.194 |
| 1.005       | 150                      | 148.8         | CLAY      | 17.108      | F6               | 18.600 | 21.194 | F7                 | 18.485 | 21.113 |
| 1.006       | 150                      | 149.9         | CLAY      | 13.792      | F7               | 18.485 | 21.113 | F8                 | 18.393 | 21.280 |
| 1.007       | 150                      | 150.0         | CLAY      | 14.119      | F8               | 18.393 | 21.280 | F9                 | 18.298 | 21.200 |
| 1.008       | 150                      | 148.9         | CLAY      | 8.785       | F9               | 13.000 | 21.200 | F15                | 30.023 | 31.974 |
| 1.009       | 150                      | 122.5         | CONC      | 31.859      | F15              | 30.023 | 31.974 | F16                | 29.964 | 32.543 |
| 1.010       | 300                      | 26.6          | CLAY      | 18.984      | F16              | 29.964 | 32.543 | F17                | 29.554 | 33.400 |
| 2.000       | 150                      | 22.2          | CLAY      | 6.870       | F10              | 25.046 | 26.891 | F11                | 24.332 | 26.138 |
| 2.001       | 150                      | 22.2          | CLAY      | 48.629      | F11              | 24.332 | 26.138 | F12                | 24.022 | 25.823 |
| 2.002       | 150                      | 22.3          | CLAY      | 16.312      | F12              | 24.022 | 25.823 | F13                | 21.845 | 23.643 |
| 2.003       | 150                      | 17.6          | CLAY      | 55.135      | F13              | 21.845 | 23.643 | F14                | 20.919 | 22.806 |
| 2.004       | 150                      | 23.8          | CLAY      | 18.704      | F14              | 20.919 | 22.806 | F6                 | 18.600 | 21.194 |
| 3.000       | 150                      | 148.4         | CLAY      | 6.282       | F23              | 17.752 | 21.088 | F23A               | 17.626 | 21.321 |
| 3.001       | 150                      | 149.6         | CLAY      | 6.661       | F23A             | 17.626 | 21.321 | F23B               | 17.584 | 21.403 |
| 3.002       | 150                      | 148.0         | CLAY      | 17.666      | F23B             | 17.584 | 21.403 | F24                | 17.539 | 21.475 |
| 3.003       | 150                      | 149.7         | CLAY      | 11.306      | F24              | 17.539 | 21.475 | F25                | 17.421 | 21.433 |
| 3.004       | 150                      | 148.7         | CLAY      | 8.115       | F25              | 17.421 | 21.433 | F26                | 17.345 | 21.300 |
| 3.005       | 150                      | 147.5         | CLAY      |             | F26              | 17.345 | 21.300 | F9                 | 17.290 | 21.200 |

Revision:

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**A1**

Client:

**Gleeson Homes**

Site: **Barnburgh Lane,**  
Goldthorpe Phases 1 & 2.

Title:

**Foul Systems :**  
Manhole & Pipeline Schedules.

Date: Apr 2016 Scales: NOT APP Drawing No. 16/660/7738