

Macra Ltd  
Unit 5, Yeomans Park  
Test Lane  
Nursling  
Hampshire  
SO16 9JX

12<sup>th</sup> March 2020

**For the attention of Steve Steele**

Dear Steve

**Re: Walberton – Groundwater Level Monitoring**

Following the completion of the site investigation across the proposed development site on the land west of West Walberton Lane in Walberton, as agreed with Paul Cann of Arun District Council, we undertook groundwater monitoring at monthly intervals within the probe holes at the locations shown on the attached plan.

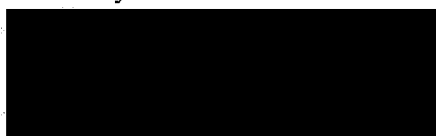
As can be seen from the attached window sample probe hole logs the natural soils below the topsoil comprised generally of a cohesive gravelly or sandy clay but becoming less gravelly and very sandy with depth.

The groundwater level monitoring was undertaken over the winter months from November 2019 to March 2020, during which period February was the wettest ever recorded in the England, the result sheets are attached but are also summarised in the table below.

| Probe Hole | Measured depth from surface to groundwater (m) |                           |                           |                           |                           |
|------------|------------------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
|            | 29 <sup>th</sup> Nov 2019                      | 17 <sup>th</sup> Dec 2019 | 21 <sup>st</sup> Jan 2020 | 18 <sup>th</sup> Feb 2020 | 11 <sup>th</sup> Mar 2020 |
| WS1        | 0.580                                          | 0.400                     | 0.885                     | 0.390                     | 0.660                     |
| WS2        | 1.060                                          | 1.065                     | 1.500                     | 0.940                     | 1.320                     |
| WS3        | 0.430                                          | 0.255                     | 0.490                     | 0.310                     | 0.380                     |
| WS4        | Standing water                                 | Standing water            | 0.140                     | Standing water            | Standing water            |
| WS5        | Standing water                                 | Standing water            | 0.040                     | Standing water            | Standing water            |
| WS6 (LAP)  | 1.150                                          | 1.000                     | 1.450                     | 0.970                     | 1.270                     |

I hope the above and attached are sufficiently detailed but if you have any queries or would like to discuss the results further then please do not hesitate to contact me.

Yours sincerely



Richard Blaney  
for Forge Environmental Management Ltd

**From:** Paul Cann <Paul.Cann@arun.gov.uk> **On Behalf Of** Land Drainage  
**Sent:** 20 November 2019 11:49  
**To:** [REDACTED]  
**Cc:** Sarah Burrow <Sarah.Burrow@arun.gov.uk>  
**Subject:** RE: West Walbarton Lane - Soakaway Design Information

Hi Richard

I think the locations are ok, but have an additional one where the LAP is to be located. They need to be installed as a matter of urgency or there is a fear you will not capture sufficient information for the winter period. Please contact us again in January, so we can discuss the results so far and agree any infiltration testing locations/depths.

Regards

Paul Cann  
Senior Engineer (Drainage & Coastal)

Paul Cann | Senior Engineer (Drainage & Coastal), Engineering Services, Arun District Council | Location: First Floor,  
Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF  
Internal: 37819 | External: +44 (0) 1903 737819 | Fax: +44 (0) 1903 716019 | E-mail: [Paul.Cann@arun.gov.uk](mailto:Paul.Cann@arun.gov.uk)  
Arun is Working in Partnership with Chichester District Council  
Visit Arun's web site at <http://www.arun.gov.uk/> and [www.chichester.gov.uk](http://www.chichester.gov.uk)



Save the environment - think before you print.

**From:** [REDACTED]  
**Sent:** 19 November 2019 15:28  
**To:** Land Drainage <[Land.Drainage@arun.gov.uk](mailto:Land.Drainage@arun.gov.uk)>  
**Subject:** West Walbarton Lane - Soakaway Design Information

Dear Paul,

Thank you for talking to me this morning and as discussed my client, the developer, is looking to put around 21 residential houses on the site on the southern side of West Walbarton Lane, as shown on the attached Housing Mix Plan.

Unfortunately, they did not realise it would be necessary to undertake groundwater level monitoring between October and March for a development of this size. So as we discussed we could install the monitoring points now and undertaking the monitoring for the remaining 5 months, which hopefully will be acceptable.

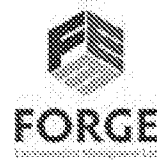
As promised I have attached a plan showing the locations around the site boundary where we would propose to install 5N<sup>o</sup>. window sampler probe holes to 5-6m, which I hope would be acceptable but please let me know if you would prefer different locations.

I hope our proposals will be acceptable and as discussed following the monitoring in November, December and January I will contact you again to agree the locations and depths for the soakaway tests.

Many thanks for your assistance.

Richard  
Richard Blaney

FORGE ENVIRONMENTAL MANAGEMENT Ltd  
The Forge, Lower Vagg, Chilthorne Damer, Yeovil, Somerset. BA21 3PY



**From:** Kevin Macknay [REDACTED] > On Behalf Of Flood Risk Management  
**Sent:** 15 November 2019 14:30  
**To:** [REDACTED]  
**Cc:** Paul Cann <Paul.Cann@arun.gov.uk>  
**Subject:** RE: Soakaway Design Information

Richard,

Further to your recent email.

Within West Sussex it is our Borough and District councils who take the lead on the review of any technical submission for surface water drainage. In the case of Arun this would be Paul Cann, who I have copied into this email.

With our Borough and District partners we have developed a surface water policy, which you may find useful:

[https://www.westsussex.gov.uk/media/12230/ws\\_ifa\\_policy\\_for\\_management\\_of\\_surface\\_water.pdf](https://www.westsussex.gov.uk/media/12230/ws_ifa_policy_for_management_of_surface_water.pdf)

Regards,

Kevin Macknay  
Flood Risk Management - Team Leader  
Highways, Transport and Planning  
Place Services  
West Sussex County Council

[Report a problem with a road or pavement](#) or [raise a highways related enquiry](#)

Follow us at @WSHighways

**From:** [REDACTED]  
**Sent:** 13 November 2019 17:06  
**To:** Flood Risk Management  
**Subject:** Soakaway Design Information

Dear Sir/Madam,

Further to a conversation I had with one of your colleagues in the highway team he suggested that I would be best e-mailing you regarding a query about undertaking groundwater level monitoring ahead of a proposed development.

The site in question is off West Walberton Lane, Walberton which is under the control of Arun Council whose guidance document "Supplementary Requirements for Surface Water Drainage Design Proposals" states that the groundwater levels for developments over 15 units needs to be undertaken between October and March. Unfortunately we have missed October so would it be acceptable for us to undertake 5 visits (i.e. Nov-March)?

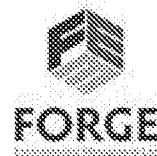
Many thanks in advance for your assistance.

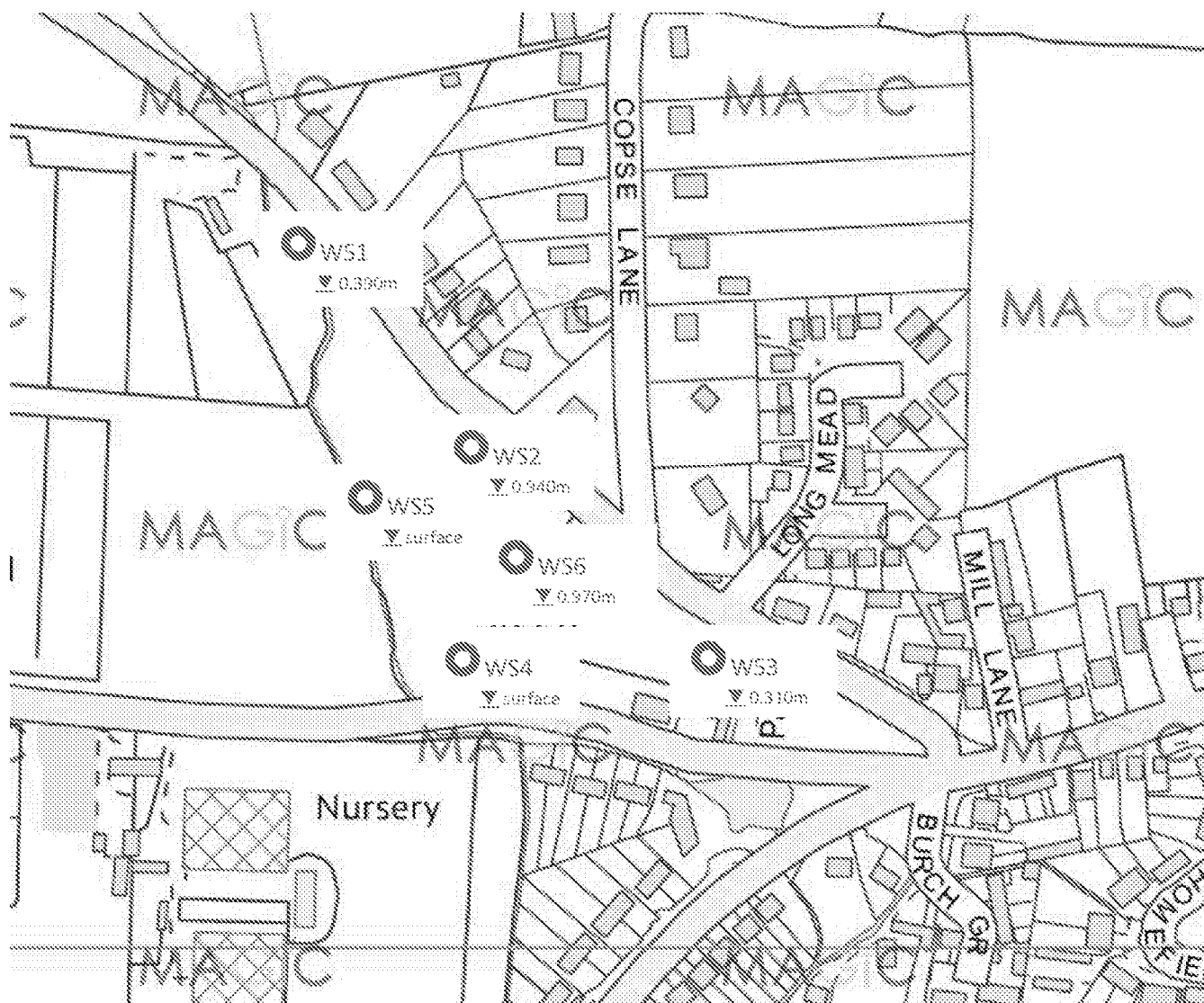
Regards

Richard

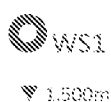
Richard Blaney

FORGE ENVIRONMENTAL MANAGEMENT Ltd  
The Forge, Lower Venn, Chilthorne Damer, Yeovil, Somerset. BA21 3PY





# **KEY**



Window sampler probe hole  
with standpipe installation  
Minimum recorded depth to groundwater level

## **PROJECT**

**West Walberton Lane,  
Walberton**

## **CLIENT**

**Macra Ltd**

Date : 12<sup>th</sup> March 2020

Scale : Not To Scale



**THE FORGE**

The Forge  
Lower Vagg  
Chilthorne Damer  
Yeovil  
Somerset  
BA21 3PY  
Tel : 01935 840 346

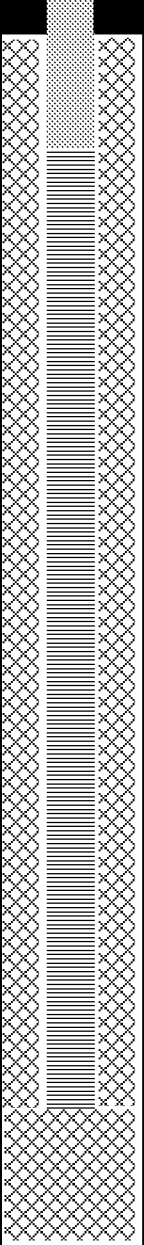
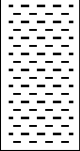
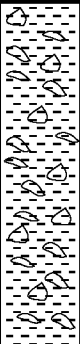
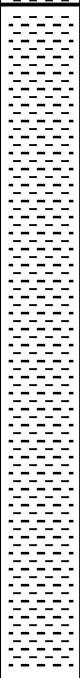
## **DRAWING TITLE**

**GW Monitoring Locations and Minimum  
Recorded Levels from Current Ground Level**

## **DRAWING No.**

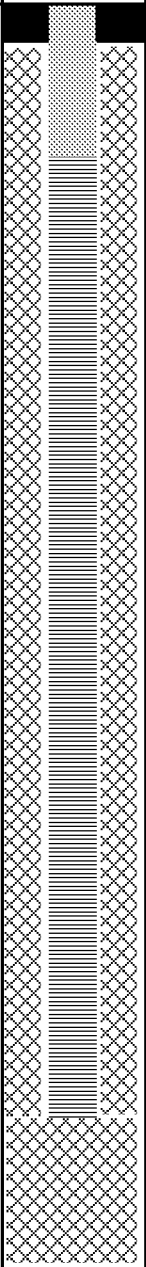
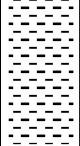
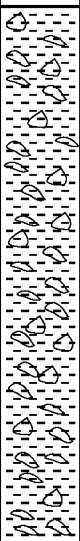
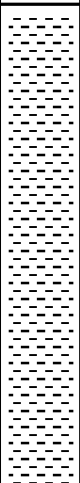
**WAL168/004**

|                                                                                                                                                                                                                   |           |                             |              |                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------|--------------|----------------------------|
| Issue No                                                                                                                                                                                                          | A         | Drilled by Jackson Drilling | Logged by RB | Approved by RB             |
|  Forge Environmental Management Ltd<br>The Forge, Lower Vagg, Chilthorne Damer,<br>Yeovil, Somerset. BA21 3PY Tel : 01935 840346 |           |                             |              | Borehole No.<br><b>WS1</b> |
| <b>Project</b><br>West Walberton Lane, Walberton                                                                                                                                                                  |           |                             |              |                            |
| Job No                                                                                                                                                                                                            | WAL168    | Date Started                | 28/11/2019   | Ground Level               |
|                                                                                                                                                                                                                   |           | Date Completed              | 28/11/2019   | Co-Ordinates               |
| Client                                                                                                                                                                                                            | Macra Ltd |                             |              | Method/Plant               |
|                                                                                                                                                                                                                   |           |                             |              | Archway                    |
|                                                                                                                                                                                                                   |           |                             |              | Sheet 1 of 1               |

| STRATA |             |                                                                                     |                   |                                                                                                  | SAMPLES & TESTS |                 |             | Backfill                                                                             |
|--------|-------------|-------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------|-----------------|-----------------|-------------|--------------------------------------------------------------------------------------|
| Water  | Level (mOD) | Legend                                                                              | Depth (thickness) | Strat Description                                                                                | Depth           | Type No         | Test Result |                                                                                      |
| ▼      |             |    | (0.20)<br>0.2     | Brown silty clay with roots                                                                      | 0.1             | disturbed       |             |  |
|        |             |                                                                                     |                   | TOPSOIL                                                                                          |                 |                 |             |                                                                                      |
|        |             |    | (0.60)<br>0.8     | Light brown/yellow soft silty CLAY                                                               | 0.5             | disturbed       |             |                                                                                      |
|        |             |                                                                                     |                   | NATURAL SOILS                                                                                    |                 |                 |             |                                                                                      |
|        |             |   | (1.30)<br>2.1     | Soft to firm yellow/light brown sandy very gravelly CLAY. Gravel is sub angular to angular flint | 2-2.45          | 5,5,5,6,5,6     | N=-22       |                                                                                      |
|        |             |                                                                                     |                   | NATURAL SOILS                                                                                    |                 |                 |             |                                                                                      |
|        |             |  | (2.90)<br>5.00    | Firm tending to firm to stiff with depth yellow/light brown very sandy CLAY                      | 4-4.45          | 6,10,11,14,12,9 | N=46        |                                                                                      |
|        |             |                                                                                     |                   | NATURAL SOILS                                                                                    |                 |                 |             |                                                                                      |

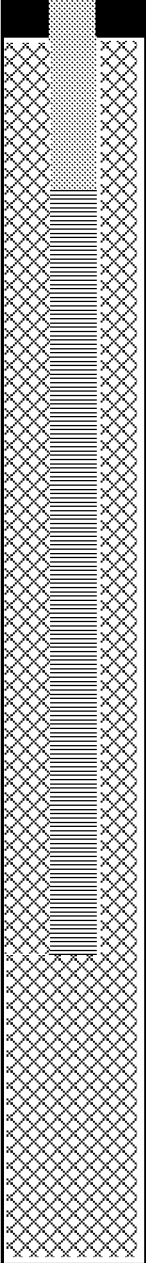
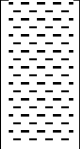
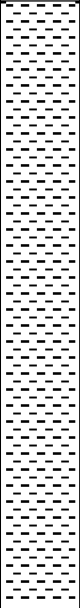
|                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------|
| <b>GENERAL REMARKS</b><br>1 Water strike at 2.2m<br>2 Standpipe installed to 4.5m due to collapse - plain 0.5m over 4.0m slotted |
|----------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                                                                                                   |               |                |                  |              |    |                            |             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------|------------------|--------------|----|----------------------------|-------------|
| Issue No                                                                                                                                                                                                          | A             | Drilled by     | Jackson Drilling | Logged by    | RB | Approved by                | RB          |
|  Forge Environmental Management Ltd<br>The Forge, Lower Vagg, Chilthorne Damer,<br>Yeovil, Somerset. BA21 3PY Tel : 01935 840346 |               |                |                  |              |    | Borehole No.<br><b>WS2</b> |             |
| Project<br><b>West Walberton Lane, Walberton</b>                                                                                                                                                                  |               |                |                  |              |    |                            |             |
| Job No                                                                                                                                                                                                            | <b>WAL168</b> | Date Started   | 28/11/2019       | Ground Level |    | Co-Ordinates               |             |
|                                                                                                                                                                                                                   |               | Date Completed | 28/11/2019       |              |    |                            | Depth<br>5m |
| Client                                                                                                                                                                                                            |               |                |                  |              |    | Method/Plant               | Sheet       |
| <b>Macra Ltd</b>                                                                                                                                                                                                  |               |                |                  |              |    | Archway                    | 1 of 1      |

| STRATA |             |                                                                                     |                   |                                                                                                                | SAMPLES & TESTS  |                            |             | Backfill                                                                             |
|--------|-------------|-------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------|------------------|----------------------------|-------------|--------------------------------------------------------------------------------------|
| Water  | Level (mOD) | Legend                                                                              | Depth (thickness) | Strat Description                                                                                              | Depth            | Type No                    | Test Result |                                                                                      |
| ▼      |             |    | (0.20)<br>0.2     | Brown silty clay with roots<br>TOPSOIL                                                                         | 0.1              | disturbed                  |             |  |
|        |             |    | (0.60)<br>0.8     | Light brown soft to firm silty CLAY<br>NATURAL SOILS                                                           | 0.5              | disturbed                  |             |                                                                                      |
|        |             |   | (2.20)<br>3.0     | Soft to firm yellow/light brown sandy very gravelly CLAY. Gravel sub angular to angular flint<br>NATURAL SOILS | 1-1.45<br>3-3.45 | 4,3,4,4,4,5<br>1,2,1,2,2,1 | N=17<br>N=6 |                                                                                      |
|        |             |  | (2.00)<br>5.00    | Soft yellow/light brown very sandy CLAY<br>NATURAL SOILS                                                       | 5-5.45           | 1,0,1,1,1,0                | N=3         |                                                                                      |
|        |             |                                                                                     |                   |                                                                                                                |                  |                            |             |                                                                                      |

|                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------|
| <b>GENERAL REMARKS</b><br>1 Water Strike at 1.1m<br>2 Standpipe installed to 4.5m due to collapse - plain 0.5m over 4.0m slotted |
|----------------------------------------------------------------------------------------------------------------------------------|

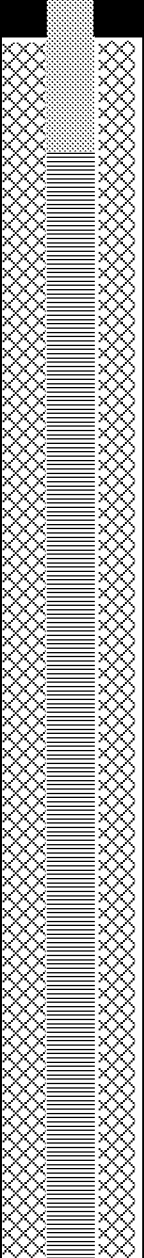
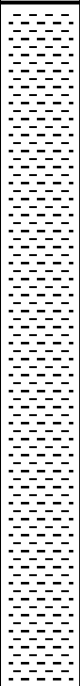
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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------|--------------|----------------------------|
| Issue No                                                                                                                                                                                                          | A         | Drilled by Jackson Drilling | Logged by RB | Approved by RB             |
|  Forge Environmental Management Ltd<br>The Forge, Lower Vagg, Chilthorne Damer,<br>Yeovil, Somerset. BA21 3PY Tel : 01935 840346 |           |                             |              | Borehole No.<br><b>WS3</b> |
| <b>Project</b><br>West Walberton Lane, Walberton                                                                                                                                                                  |           |                             |              |                            |
| Job No                                                                                                                                                                                                            | WAL168    | Date Started                | 28/11/2019   | Ground Level               |
|                                                                                                                                                                                                                   |           | Date Completed              | 28/11/2019   | Co-Ordinates               |
| Client                                                                                                                                                                                                            | Macra Ltd |                             |              | Method/Plant               |
|                                                                                                                                                                                                                   |           |                             |              | Archway                    |
|                                                                                                                                                                                                                   |           |                             |              | Depth                      |
|                                                                                                                                                                                                                   |           |                             |              | 5.00                       |
|                                                                                                                                                                                                                   |           |                             |              | Sheet                      |
|                                                                                                                                                                                                                   |           |                             |              | 1 of 1                     |

| STRATA |             |                                                                                     |                   |                                                                                             | SAMPLES & TESTS |             |             | Backfill                                                                             |
|--------|-------------|-------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------------|-----------------|-------------|-------------|--------------------------------------------------------------------------------------|
| Wat    | Level (mOD) | Legend                                                                              | Depth (thickness) | Strat Description                                                                           | Depth           | Type No     | Test Result |                                                                                      |
| ▼      |             |    | (0.20)            | Brown silty clay with roots                                                                 | 0.1             | disturbed   |             |  |
|        |             |                                                                                     | 0.2               | TOPSOIL                                                                                     |                 |             |             |                                                                                      |
|        |             |    | (0.60)            | Light brown/yellow soft silty CLAY                                                          | 0.5             | disturbed   |             |                                                                                      |
|        |             |                                                                                     | 0.8               | NATURAL SOILS                                                                               |                 |             |             |                                                                                      |
|        |             |   | (1.60)            | Soft to firm light grey/light brown sandy very gravelly CLAY. Gravel sub angular to angular | 1-1.45          | 3,4,3,4,3,3 | N=13        |                                                                                      |
|        |             |                                                                                     | 2.4               | NATURAL SOILS                                                                               |                 |             |             |                                                                                      |
|        |             |  | (2.6)             | Soft yellow/light brown very sandy CLAY                                                     | 3-3.45          | 2,2,2,1,2,1 | N=6         |                                                                                      |
|        |             |                                                                                     | 5.00              | NATURAL SOILS                                                                               | 5-5.45          | 1,0,0,1,0,1 | N=2         |                                                                                      |

**GENERAL REMARKS**

- 1 Water strike at 0.8m
- 2 Standpipe installed to 3.8m due to collapse - plain 0.8m over 3.0m slotted

|                                                                                                                                                                                                                   |           |                             |              |                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------|--------------|----------------------------|
| Issue No                                                                                                                                                                                                          | A         | Drilled by Jackson Drilling | Logged by RB | Approved by RB             |
|  Forge Environmental Management Ltd<br>The Forge, Lower Vagg, Chilthorne Damer,<br>Yeovil, Somerset. BA21 3PY Tel : 01935 840346 |           |                             |              | Borehole No.<br><b>WS4</b> |
| <b>Project</b><br>West Walberton Lane, Walberton                                                                                                                                                                  |           |                             |              |                            |
| Job No                                                                                                                                                                                                            | WAL168    | Date Started                | 27/11/2019   | Ground Level               |
|                                                                                                                                                                                                                   |           | Date Completed              | 27/11/2019   | Co-Ordinates               |
| Client                                                                                                                                                                                                            | Macra Ltd |                             |              | Method/Plant               |
|                                                                                                                                                                                                                   |           |                             |              | Archway                    |
|                                                                                                                                                                                                                   |           |                             |              | Depth                      |
|                                                                                                                                                                                                                   |           |                             |              | 6.00                       |
|                                                                                                                                                                                                                   |           |                             |              | Sheet                      |
|                                                                                                                                                                                                                   |           |                             |              | 1 of 2                     |

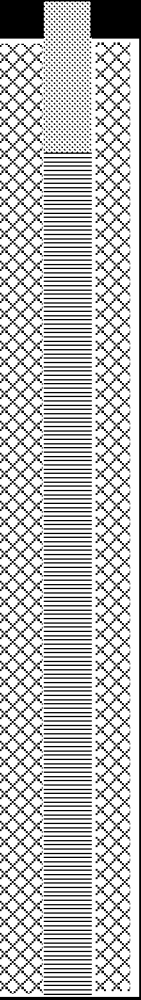
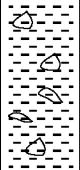
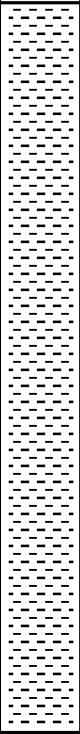
| STRATA |             |                                                                                     |                   |                                                                                          | SAMPLES & TESTS |              |             | Backfill                                                                             |
|--------|-------------|-------------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------|-----------------|--------------|-------------|--------------------------------------------------------------------------------------|
| Water  | Level (mOD) | Legend                                                                              | Depth (thickness) | Strat Description                                                                        | Depth           | Type No      | Test Result |                                                                                      |
| ▼      |             |    | (0.15)<br>0.15    | Brown silty clay with roots                                                              | 0.1             | disturbed    |             |  |
|        |             |                                                                                     |                   | TOPSOIL                                                                                  |                 |              |             |                                                                                      |
|        |             |    | (0.45)<br>0.60    | Light brown/light grey firm silty CLAY                                                   | 0.5             | disturbed    |             |                                                                                      |
|        |             |                                                                                     |                   | NATURAL SOILS                                                                            |                 |              |             |                                                                                      |
|        |             |   | (1.30)<br>2.0     | Firm yellow/light brown sandy very gravelly CLAY.<br>Gravel sub angular to angular flint | 1-1.45          | 5,6,6,6,5,6  | N=23        |                                                                                      |
|        |             |                                                                                     |                   | NATURAL SOILS                                                                            |                 |              |             |                                                                                      |
|        |             |  | (4.00)            | Soft yellow/light brown very sandy CLAY                                                  | 3-3.45          | 1,2,2,2,3,4  | N=11        |                                                                                      |
|        |             |                                                                                     |                   |                                                                                          | 5-5.45          | 1,,2,1,1,0,2 | N=4         |                                                                                      |

#### GENERAL REMARKS

- 1 Water standing at surface
- 2 Standpipe installed to 6m - plain 1.0m over 5.0m slotted

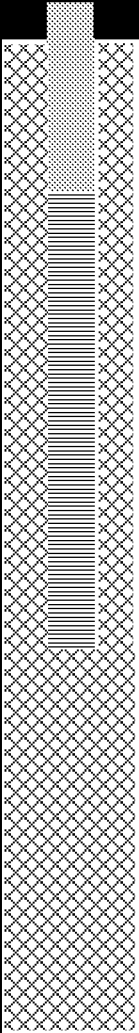
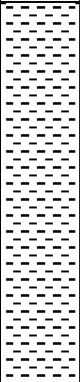


|                                                                                                                                                                                                                   |           |                             |              |                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------|--------------|----------------------------|
| Issue No                                                                                                                                                                                                          | A         | Drilled by Jackson Drilling | Logged by RB | Approved by RB             |
|  Forge Environmental Management Ltd<br>The Forge, Lower Vagg, Chilthorne Damer,<br>Yeovil, Somerset. BA21 3PY Tel : 01935 840346 |           |                             |              | Borehole No.<br><b>WS5</b> |
| <b>Project</b><br>West Walberton Lane, Walberton                                                                                                                                                                  |           |                             |              |                            |
| Job No                                                                                                                                                                                                            | WAL168    | Date Started                | 27/11/2019   | Ground Level               |
|                                                                                                                                                                                                                   |           | Date Completed              | 27/11/2019   | Co-Ordinates               |
| Client                                                                                                                                                                                                            | Macra Ltd |                             |              | Method/Plant               |
|                                                                                                                                                                                                                   |           |                             |              | Archway                    |
|                                                                                                                                                                                                                   |           |                             |              | Depth                      |
|                                                                                                                                                                                                                   |           |                             |              | 4.00                       |
|                                                                                                                                                                                                                   |           |                             |              | Sheet                      |
|                                                                                                                                                                                                                   |           |                             |              | 1 of 1                     |

| STRATA |             |                                                                                    |                   |                                                 | SAMPLES & TESTS |             |             | Backfill                                                                             |
|--------|-------------|------------------------------------------------------------------------------------|-------------------|-------------------------------------------------|-----------------|-------------|-------------|--------------------------------------------------------------------------------------|
| Water  | Level (mOD) | Legend                                                                             | Depth (thickness) | Strat Description                               | Depth           | Type No     | Test Result |                                                                                      |
| ▼      |             |   | (0.15)            | Brown silty clay with roots                     | 0.05            | disturbed   | N=15        |  |
|        |             |                                                                                    | 0.15              | TOPSOIL                                         |                 |             |             |                                                                                      |
|        |             |   | (0.45)            | Firm light brown/yellow gravelly silty CLAY     | 0.5             | disturbed   |             |                                                                                      |
|        |             |                                                                                    | 0.60              |                                                 |                 |             |             |                                                                                      |
|        |             |  | 0.95              | NATURAL SOILS                                   |                 |             |             |                                                                                      |
|        |             |                                                                                    |                   | Soft to firm yellow/light brown very sandy CLAY | 2-2.45          | 3,3,3,3,4,5 |             |                                                                                      |
|        |             |                                                                                    | 4.0               | NATURAL SOILS                                   | 4-4.55          | 1,1,2,1,2,2 | N=7         |                                                                                      |
|        |             |                                                                                    |                   | BASE OF PROBE HOLE                              |                 |             |             |                                                                                      |

|                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------|
| <b>GENERAL REMARKS</b><br>1 Water standing at surface<br>2 Standpipe installed to 4m - plain 1.0m over 3.0m slotted |
|---------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                                                                                                   |           |                             |              |                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------|--------------|----------------------------|
| Issue No                                                                                                                                                                                                          | A         | Drilled by Jackson Drilling | Logged by RB | Approved by RB             |
|  Forge Environmental Management Ltd<br>The Forge, Lower Vagg, Chilthorne Damer,<br>Yeovil, Somerset. BA21 3PY Tel : 01935 840346 |           |                             |              | Borehole No.<br><b>WS6</b> |
| <b>Project</b><br>West Walberton Lane, Walberton                                                                                                                                                                  |           |                             |              |                            |
| Job No                                                                                                                                                                                                            | WAL168    | Date Started                | 28/11/2019   | Ground Level               |
|                                                                                                                                                                                                                   |           | Date Completed              | 28/11/2019   | Co-Ordinates               |
| Client                                                                                                                                                                                                            | Macra Ltd | Method/Plant                |              | Depth                      |
|                                                                                                                                                                                                                   |           | Archway                     |              | 4.00                       |
|                                                                                                                                                                                                                   |           |                             |              | Sheet                      |
|                                                                                                                                                                                                                   |           |                             |              | 1 of 1                     |

| STRATA |             |                                                                                     |                   |                                                                                                        | SAMPLES & TESTS |             |             | Backfill                                                                             |
|--------|-------------|-------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------------|-----------------|-------------|-------------|--------------------------------------------------------------------------------------|
| Water  | Level (mOD) | Legend                                                                              | Depth (thickness) | Strat Description                                                                                      | Depth           | Type No     | Test Result |                                                                                      |
| ▼      |             |    | (0.20)<br>0.2     | Brown silty clay with roots<br>TOPSOIL                                                                 | 0.1             | disturbed   |             |  |
|        |             |    | (0.60)<br>0.8     | Light brown/yellow soft silty CLAY<br>NATURAL SOILS                                                    | 0.5             | disturbed   |             |                                                                                      |
|        |             |   | (1.80)<br>2.6     | Light grey/light brown sandy very gravelly CLAY.<br>Gravel sub rounded to sub angular<br>NATURAL SOILS | 2-2.45          | 2,2,3,2,3,2 | N=10        |                                                                                      |
|        |             |  | (1.40)<br>4.0     | Soft yellow/light brown very sandy CLAY<br>NATURAL SOILS                                               | 4-4.45          | 1,2,1,1,2,1 | N=5         |                                                                                      |
|        |             |                                                                                     |                   | BASE OF PROBE HOLE                                                                                     |                 |             |             |                                                                                      |

|                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>GENERAL REMARKS</b><br>1 Located with the area of the proposed LAP<br>2 Water strike at 1.0m<br>3 Standpipe installed to 2.6m due to collapse - plain 0.6m over 2.0m slotted |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## FORGE ENVIRONMENTAL MANAGEMENT

The Forge, Lower Vagg, Chilthorne Domer, Yeovil, Somerset. BA21 3PY

Tel : 01935 840 346



### GROUNDWATER MONITORING RECORD SHEET

|                                          |                    |
|------------------------------------------|--------------------|
| Client : Macra Ltd                       | Job No. : WAL168.D |
| Project : West Walberton Lane, Walberton |                    |

| Borehole | Depth to standpipe base (m) | Water strike during drilling (m) | height of cover lid above GL (m) | Monitoring dates |               |               |               |               |
|----------|-----------------------------|----------------------------------|----------------------------------|------------------|---------------|---------------|---------------|---------------|
|          |                             |                                  |                                  | 29th Nov 2019    | 17th Dec 2019 | 12th Jan 2020 | 18th Feb 2020 | 11th Mar 2020 |
| WS1      | 4.500                       | 2.200                            | 0.510                            | 0.580            | 0.400         | 0.885         | 0.390         | 0.660         |
| WS2      | 4.500                       | 1.100                            | 0.450                            | 1.060            | 1.065         | 1.500         | 0.940         | 1.320         |
| WS3      | 3.800                       | 0.800                            | 0.490                            | 0.430            | 0.255         | 0.490         | 0.310         | 0.380         |
| WS4      | 6.000                       | 0.000                            | 0.450                            | flooded          | flooded       | 0.140         | flooded       | flooded       |
| WS5      | 4.000                       | 0.000                            | 0.510                            | flooded          | flooded       | 0.040         | flooded       | flooded       |
| WS6 LAP  | 2.600                       | 1.000                            | 0.470                            | 1.150            | 1.000         | 1.450         | 0.970         | 1.270         |
|          |                             |                                  |                                  |                  |               |               |               |               |