

- Notes**
- Do not scale this drawing. All dimensions must be checked/verified on site. If in doubt ask.
  - This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
  - All dimensions in millimetres unless noted otherwise. All levels in metres unless noted otherwise.
  - Any discrepancies noted on site are to be reported to the engineer immediately.
  - Enclosed topographical survey based on BWB Consulting drawing (Dwg No: NFW-BWB-00-ZZ-M2-G-0001) dated 15.12.22
  - Enclosed masterplan based on Enviromena Project Management UK Limited (Dwg No. P007039-09-Planning Layout\_RevE) dated 10/04/24.
  - This report should be read in conjunction with BWB Consulting Drainage Strategy 'NFW-BWB-ZZ-XX-RP-CD-0001' and drawing 'NFW-BWB-ZZ-XX-CD-0001'.
  - Detention basin details to be confirmed as part of the tender / discharge of conditions design stage.
  - All works to existing ditches are subject to agreement with the LLFA.
  - This drawing is a proof of concept only, do not consider costing or constructing from this drawing.

- Legend (Plan View)**
- Application Boundary
  - Existing Watercourse
  - Section Line
  - Major Contour (0.5m)
  - Minor Contour (0.1m)
  - Inlet / Outlet Pipe and Headwall

- Legend (Section View)**
- Existing Ground Profile
  - Proposed Detention Basin Profile
  - Proposed Inlet / Outlet Pipe

|     |          |                             |     |     |
|-----|----------|-----------------------------|-----|-----|
| P01 | 25.04.24 | Preliminary Issue           | MPB | DG  |
| Rev | Date     | Details of issue / revision | Dwg | Rev |

**Issues & Revisions**

**BWB**  
A CAF GROUP COMPANY

- Birmingham | 0121 233 3322
- Leeds | 0113 233 8000
- London | 020 7407 3879
- Manchester | 0161 233 4260
- Nottingham | 0115 924 1100
- www.bwbconsulting.com

Client  
**Enviromena Project Management UK Limited**

Project Title  
**Nailcote Farm, Warwickshire**

Drawing Title  
**3D Basins and Sections**

|  |                          |           |                    |
|--|--------------------------|-----------|--------------------|
| Drawn:   | M. Bailey                | Reviewed: | D. Gray            |
| BWB Ref:   | 221748                   | Date:     | 25.04.24           |
| Scale@A1:  | 1:2500                   | Status:   | <b>PRELIMINARY</b> |
| Project - Originator - Zone - Level - Type - Role - Number | NFW-BWB-ZZ-XX-DR-CD-0002 | Status    | <b>S2</b>          |
| Rev  | <b>P01</b>               |           |                    |

**Section Views**  
(Scale as shown)

**Basin South-West Sections**  
(Scale as shown)

**ALIGNMENT - BASIN SW 1 LONGSECTION**  
SCALE: H 1:2500, V 1:500. DATUM: 130.000

Inlet pipe to have concrete surround due to limited cover

| Chainage         | 10.000  | 20.000  | 30.000  | 40.000  | 50.000  | 60.000  | 70.000  |
|------------------|---------|---------|---------|---------|---------|---------|---------|
| Existing Levels  | 130.769 | 130.293 | 131.319 | 131.537 | 132.659 | 132.889 | 133.727 |
| Proposed Levels  | 130.400 | 130.400 | 131.537 | 130.844 | 132.659 | 132.659 | 133.727 |
| Level Difference | -0.369  | 0.000   | 0.118   | -0.693  | 0.000   | 0.000   | 0.000   |

**ALIGNMENT - BASIN SW 2 LONGSECTION**  
SCALE: H 1:2500, V 1:500. DATUM: 125.000

Outlet pipe to have concrete surround due to limited cover

| Chainage         | 10.000  | 20.000  | 30.000  | 40.000  | 50.000  | 60.000  | 70.000  |
|------------------|---------|---------|---------|---------|---------|---------|---------|
| Existing Levels  | 133.109 | 132.241 | 131.475 | 131.203 | 131.000 | 129.739 | 131.128 |
| Proposed Levels  | 131.500 | 130.400 | 131.203 | 131.387 | 131.000 | 131.000 | 131.128 |
| Level Difference | -1.609  | -1.841  | 0.000   | 0.184   | 0.000   | 0.000   | 0.000   |

**Basin North-West Sections**  
(Scale as shown)

**ALIGNMENT - BASIN NW 1 LONGSECTION**  
SCALE: H 1:2500, V 1:500. DATUM: 120.000

Inlet pipe to have concrete surround due to limited cover

| Chainage         | 10.000  | 20.000  | 30.000  | 40.000  | 50.000  | 60.000  | 70.000  |
|------------------|---------|---------|---------|---------|---------|---------|---------|
| Existing Levels  | 122.647 | 122.821 | 122.997 | 123.226 | 123.417 | 123.900 | 123.900 |
| Proposed Levels  | 121.700 | 121.700 | 122.997 | 123.226 | 123.417 | 123.900 | 123.900 |
| Level Difference | -0.947  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |

**ALIGNMENT - BASIN NW 2 LONGSECTION**  
SCALE: H 1:2500, V 1:500. DATUM: 120.000

Outlet pipe to have concrete surround due to limited cover

| Chainage         | 10.000  | 20.000  | 30.000  | 40.000  | 50.000  | 60.000  | 70.000  |
|------------------|---------|---------|---------|---------|---------|---------|---------|
| Existing Levels  | 123.589 | 122.996 | 122.996 | 122.769 | 122.624 | 121.971 | 121.971 |
| Proposed Levels  | 121.700 | 121.700 | 122.769 | 122.624 | 122.624 | 121.971 | 121.971 |
| Level Difference | -1.889  | -1.296  | 0.000   | -0.145  | 0.000   | 0.000   | 0.000   |

**Basin North-East Sections**  
(Scale as shown)

**ALIGNMENT - BASIN NE 1 LONGSECTION**  
SCALE: H 1:2500, V 1:500. DATUM: 120.000

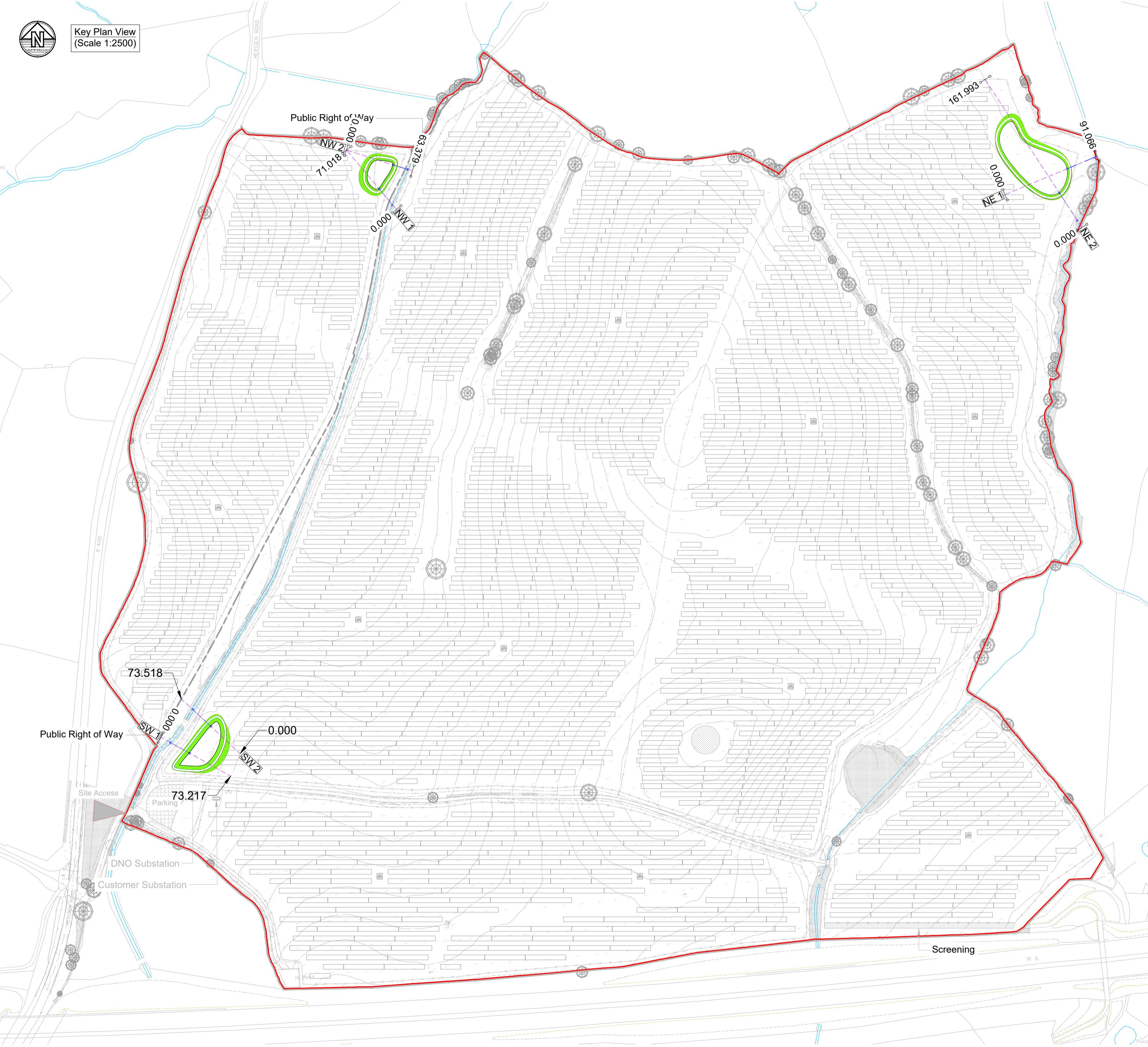
Inlet pipe to have concrete surround due to limited cover

| Chainage         | 0.000   | 10.000  | 20.000  | 30.000  | 40.000  | 50.000  | 60.000  | 70.000  | 80.000  | 90.000  | 100.000 | 110.000  | 120.000 | 130.000 | 140.000 | 150.000 | 160.000 | 170.000 | 180.000 |         |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|---------|
| Existing Levels  | 124.701 | 124.860 | 124.164 | 124.008 | 123.842 | 123.666 | 123.497 | 123.327 | 123.094 | 122.901 | 122.889 | 106.902  | 122.887 | 110.000 | 122.841 | 122.816 | 140.000 | 122.903 | 150.000 | 122.975 |
| Proposed Levels  | 123.200 | 123.200 | 123.200 | 123.200 | 123.200 | 123.200 | 123.200 | 123.200 | 123.200 | 123.200 | 123.200 | 123.200  | 123.200 | 123.200 | 123.200 | 123.200 | 123.200 | 123.200 | 123.200 | 123.200 |
| Level Difference | -1.501  | -1.660  | -1.964  | -1.808  | -1.658  | -1.486  | -1.303  | -1.173  | -0.106  | 0.301   | 0.311   | -106.702 | 0.313   | 133.000 | 0.359   | 0.384   | 0.000   | 0.300   | 0.000   | 0.025   |

**ALIGNMENT - BASIN NE 2 LONGSECTION**  
SCALE: H 1:2500, V 1:500. DATUM: 120.000

Outlet pipe to have concrete surround due to limited cover

| Chainage         | 10.000  | 20.000  | 30.000  | 40.000  | 50.000  | 60.000  | 70.000  | 80.000  | 90.000  | 91.006  |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Existing Levels  | 124.011 | 123.745 | 123.731 | 123.731 | 123.747 | 123.770 | 123.770 | 123.863 | 123.914 | 122.875 |
| Proposed Levels  | 123.976 | 123.200 | 123.200 | 123.200 | 123.200 | 123.200 | 123.200 | 123.200 | 123.200 | 123.200 |
| Level Difference | -0.035  | -0.545  | -0.531  | -0.531  | -0.547  | -0.570  | 0.000   | 0.663   | 0.714   | 0.075   |



NORTH WARWICKSHIRE  
BOROUGH COUNCIL  
**RECEIVED**  
30/04/2024  
PLANNING & DEVELOPMENT  
DIVISION