



T: 01256 769269  
E: [mail@rcpconsultants.co.uk](mailto:mail@rcpconsultants.co.uk)  
w: [www.rcpconsultants.co.uk](http://www.rcpconsultants.co.uk)

**SITE NAME:** Manor Farm, Denvilles

**REPORT NAME:** Technical Note: Surface Water Drainage –Southern Basin Amendments

**DATE:** 28/05/2024

**REF:** BSO/E5109/18227-Rev 3

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## 1.0 Introduction

Rogers Cory Partnership Limited have been instructed on behalf of Barratt David Wilson (Southampton) to provide a supporting technical note in relation to the proposed planning application in relation to the amendments of the existing surface water basins which serve the consented development proposals (planning reference: APP/12/01222) in Emsworth, Havant.

The existing basins constructed on the eastern side of the residential development (APP/12/01222) serve this existing development. Planning permission is now being sought to facilitate minor amendments to the shape of these basins either side of the existing footpath

Rogers Cory Partnership Limited  
The Old School, Old School Road  
Hook, Hampshire, RG27 9NJ

Registered in England & Wales No. 6222947  
Registered office & business address as above



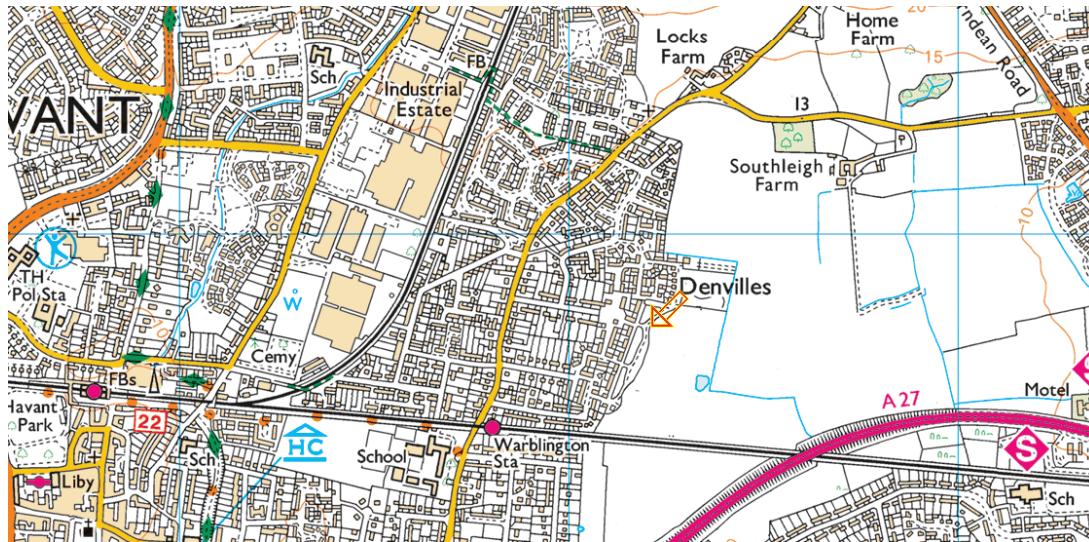


Figure 1: Location Plan

## 2.0 Existing SuDS Basin Arrangement

The existing SuDS basin arrangement serves the development approved under planning permission notice APP/12/01222. Details of this existing arrangement and how the basins function in relation to the surface water flows from the development are summarised in the Surface Water Drainage Strategy and Exceedance Flows Report (MJA Consulting, September 2014) which formed part of the supporting information to discharge planning condition 8 (APP/14/00986).

The existing SuDS basin arrangement comprised of two basins which are linked together and the gap between the basins created to allow for the footpath to link the residential development to the public open space.

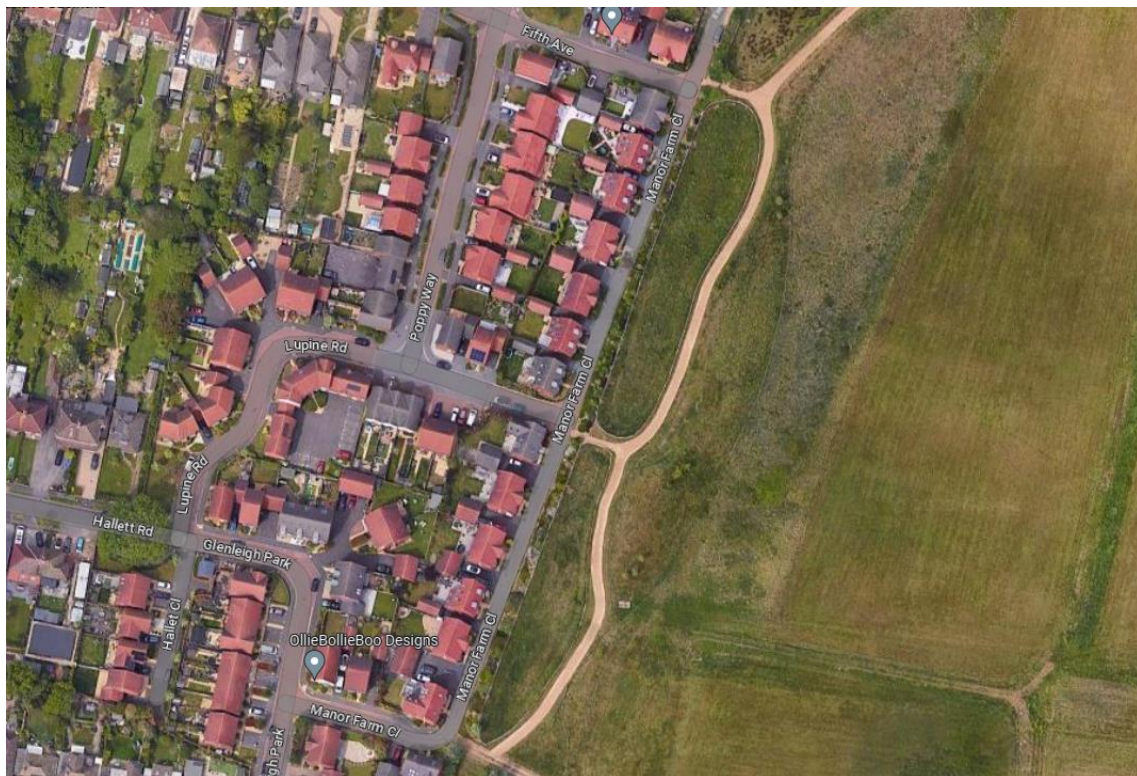


Figure 2: Aerial Photo of Current Arrangement

### 3.0 Proposed SuDS Basin Arrangement

The localised adjustment of the basins either side of the existing footpath provide a wider extent of landscaping between the two basins.

MJA Consulting have produced detailed plans of the changes required to the basins. They have confirmed that the northern basin will be reduced in size but the southern basin will be increased. As a result, there will be a net increase in available area within the surface water basins of 10m<sup>2</sup> and the proposals will have no detriment to the previously approved surface water scheme.

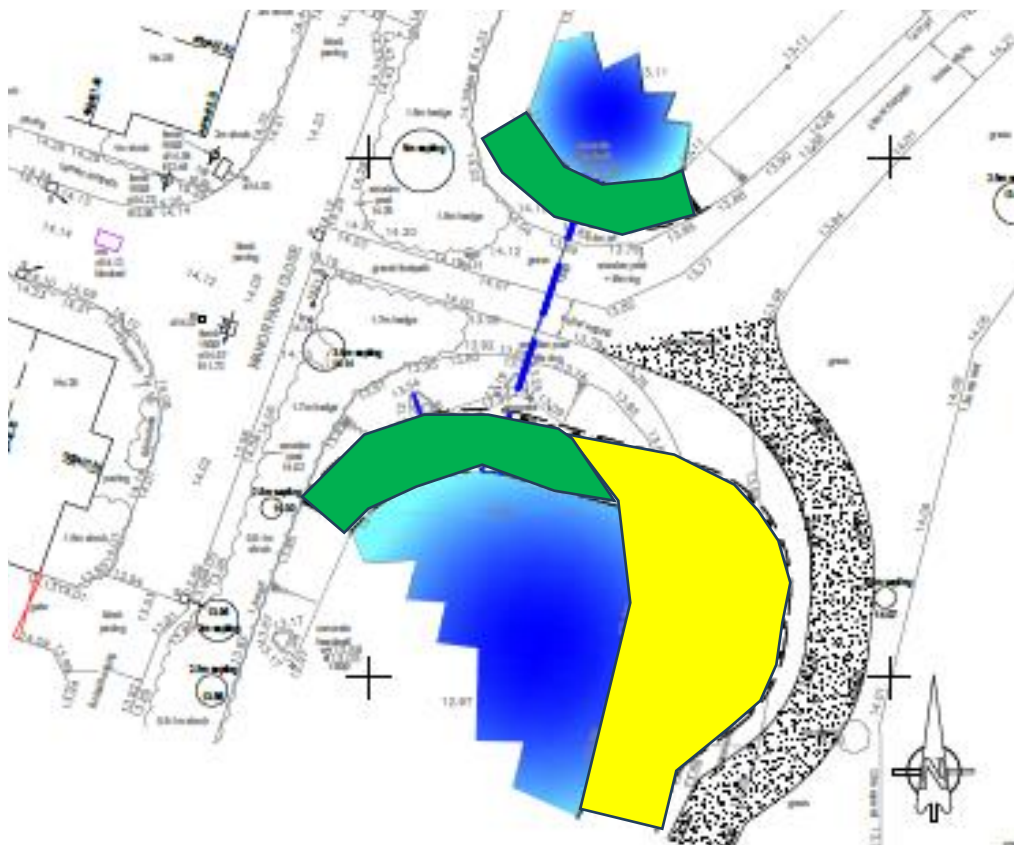
Details of the updated SuDS basin proposals are presented on drawing 4527-MJA-SW-XX-DR-C700P7

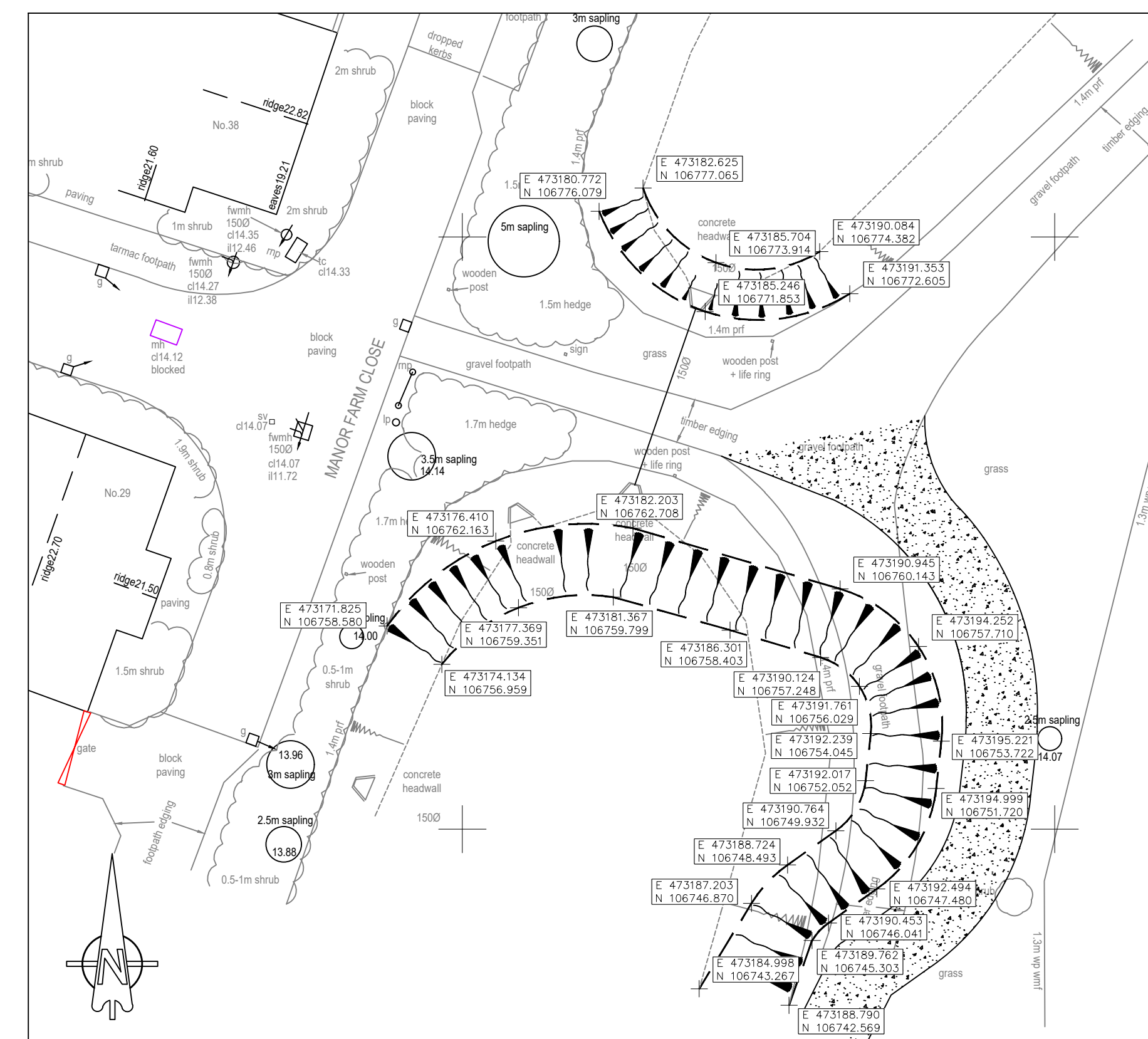
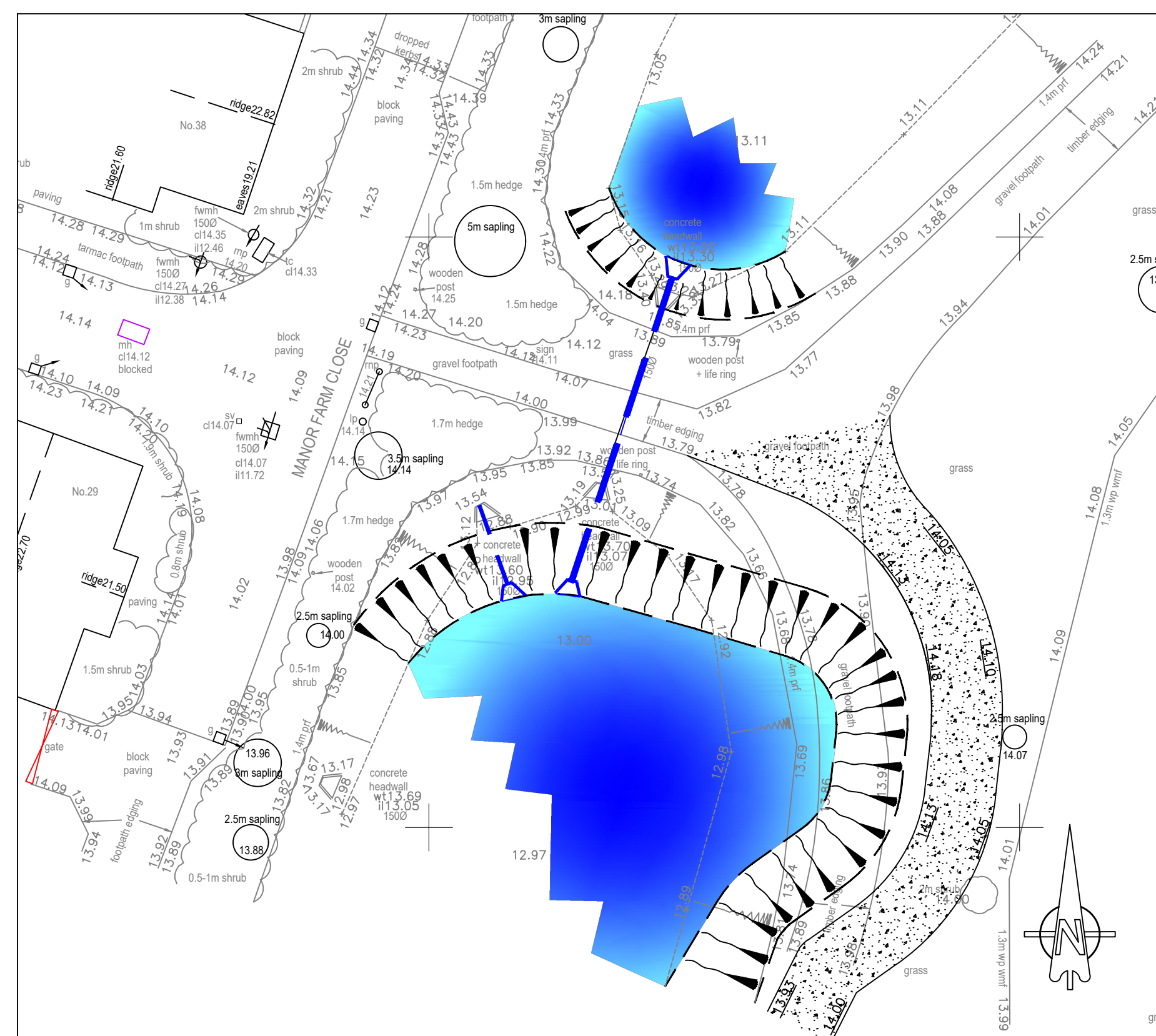
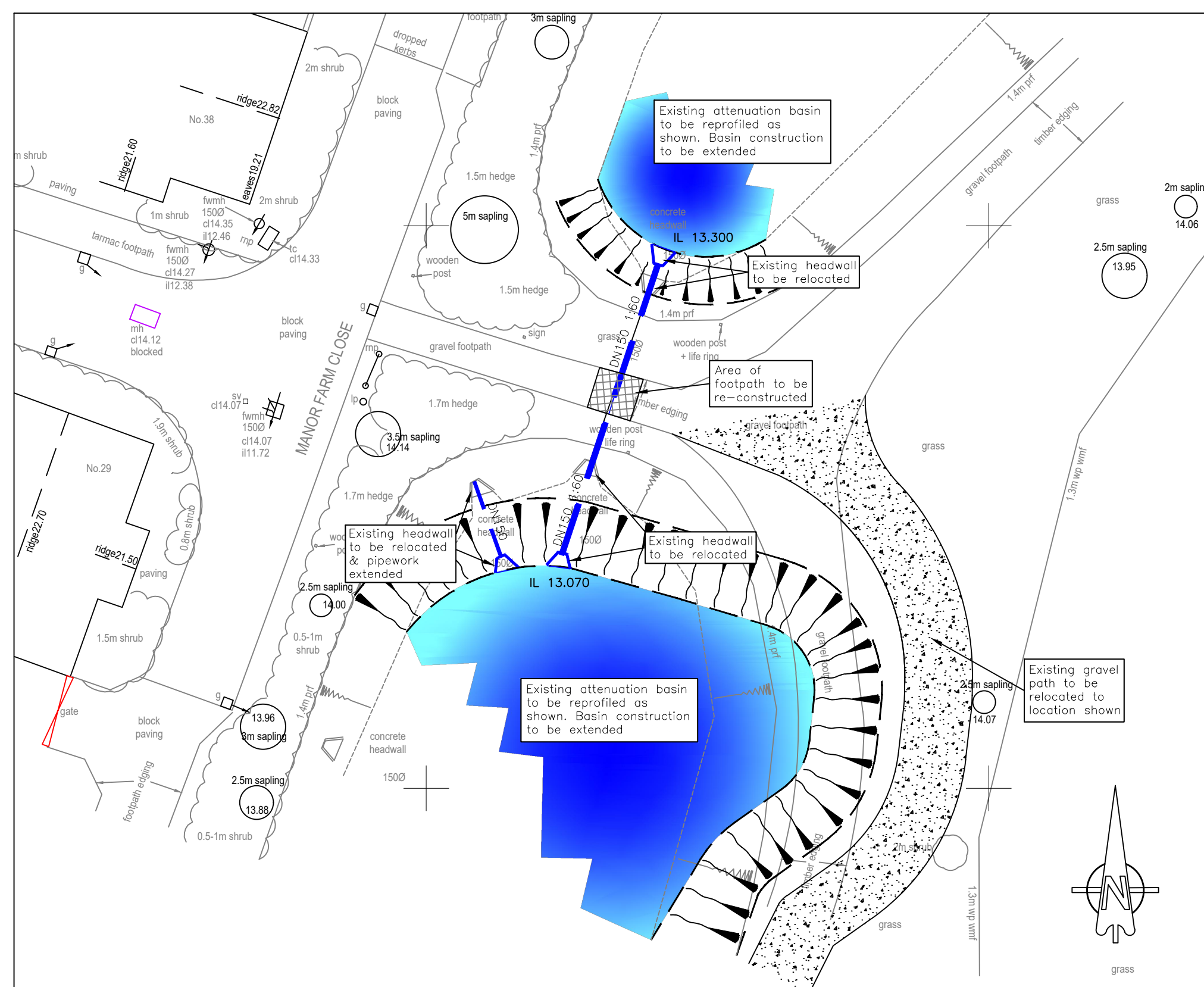
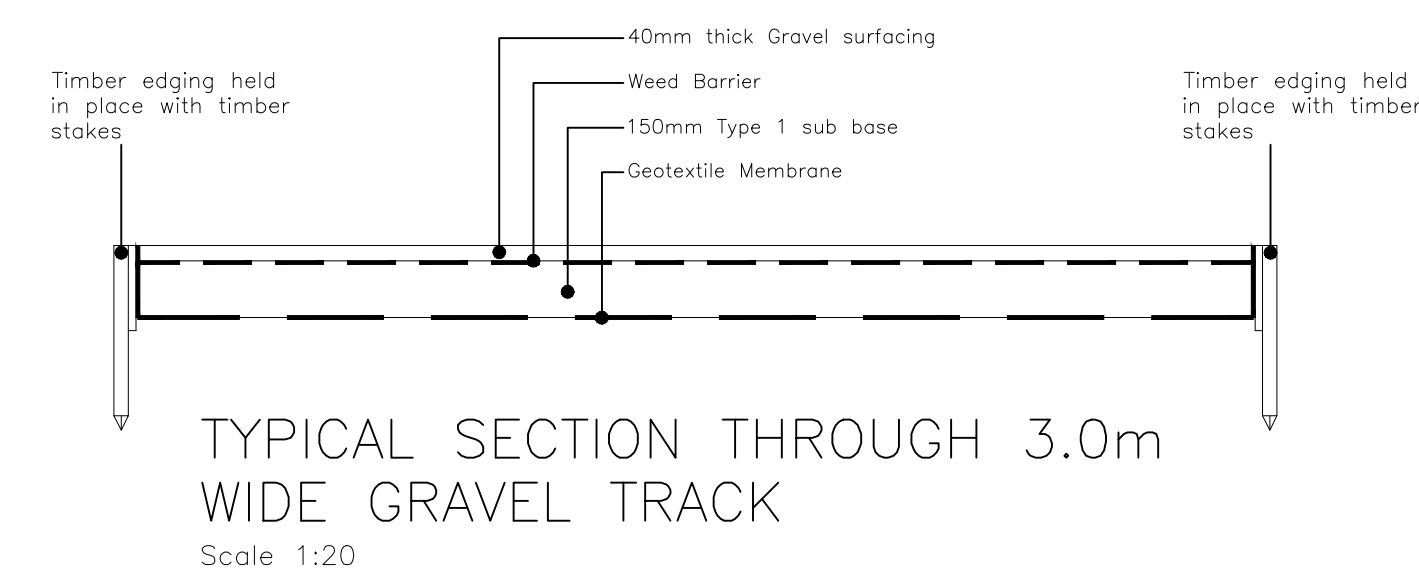
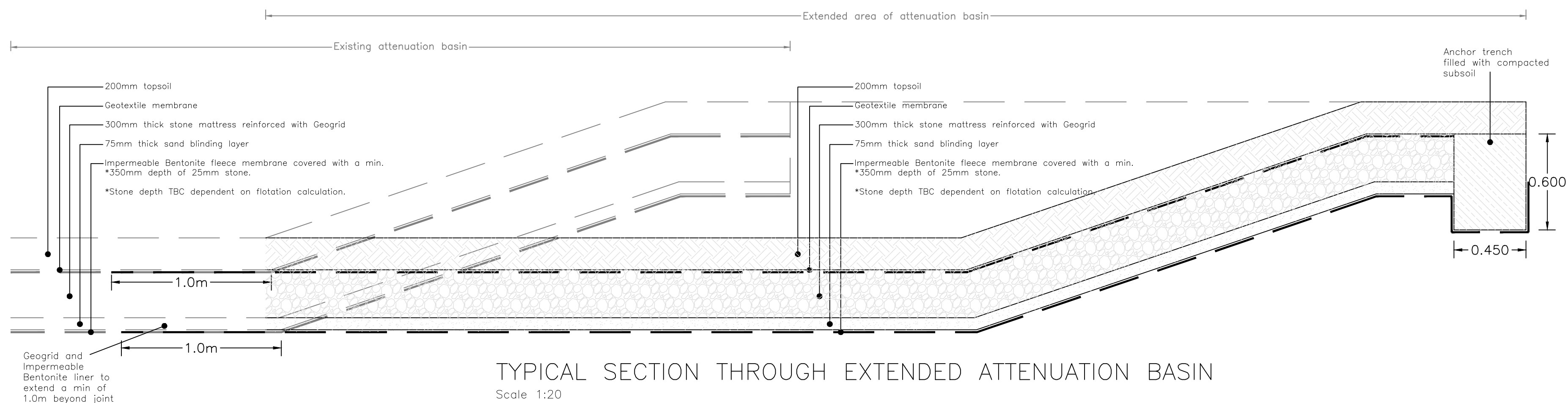
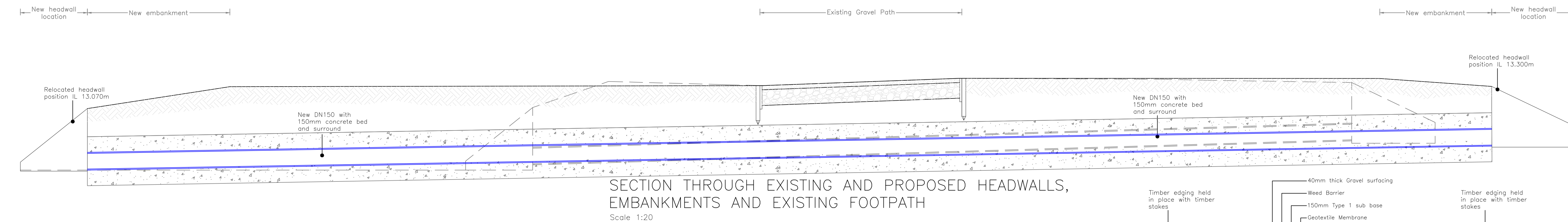
### 4.0 Outline Method Statement for works

A detailed method statement will need to be produced by the Contractors but the follow key principles will be applied during the planning of the works.

It will be important to ensure that the available attenuation volume of the basin is not compromised in the event of a severe rainfall event. As such in the first instance works will be planned to be carried out during a drier period and propose that this will include for a minimum 5 day forecast of no rainfall.

Secondly works, should be phased to ensure the additional volume (yellow) is provided first before relocating the headwalls on the northern and southern extents of each basin (green) respectively as per the extract below:





# POND SETTING OUT LAYOUT

# GENERAL ARRANGEMENT LAYOUT

LEVELS LAYOUT  
Scale 1:200

Key:

- |                                                                                     |                                                               |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------|
|  | Gully Type 1T. Refer to Hampshire standard detail HCC11/D/015 |
|  | Proposed Concrete Storm Sewer                                 |
|  | Existing Headwall                                             |
|  | Proposed Levels for Realigned Gravel Footpath                 |

General Notes:

1. Do not scale from this drawing.
2. All dimensions in metres.
3. Survey levels and grid based on Greenhatch Group topographical survey drawing 35545-T, Rev 0. All levels and grid related to CGS83/6(15) via Global Navigation Satellite Systems (GNSS) and the O.S. Active Network (OS Net). Refer to topo survey drawing for full notes and Survey Station Table.
4. This drawing is based on the latest Architectural planning layout and shall be read in conjunction with all other relevant landline drawings and construction drawings.
5. Any discrepancies with any of the drawings shall be reported to KJA Consulting Engineer.
6. The level and location of all existing services shall be verified on site by the Contractor before commencing any construction work.
7. Contractor must comply with all current legislation relating to CDM, Health and Safety and COSHH.

|          |          |                                                                            |       |         |
|----------|----------|----------------------------------------------------------------------------|-------|---------|
| P7       | 26.03.24 | Layout updated in response to Client comments                              | HJS   | KTG     |
| P6       | 24.11.23 | Layout updated in response to Client comments                              | LJW   | KTG     |
| P5       | 13.10.23 | Access updated following client requirements                               | HJS   | KTG     |
| P4       | 07.09.23 | Access road kerbs and key updated to client requirements. Surfacing added. | LJW   | AMc     |
| P3       | 24.08.23 | Layout updated in response to Client comments                              | JPS   | KTG     |
| P2       | 03.04.23 | Layout updated in response to Client comments                              | JPS   | KTG     |
| P1       | 17.02.23 | First issue for comment                                                    | KTG   | AMc     |
| REV. No. | DATE     | DESCRIPTION                                                                | DRAWN | CHECKED |

|                                         |                                                                                       |  |                                                                                                                                            |                     |
|-----------------------------------------|---------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Client                                  |  |  |                                                       |                     |
| Project                                 | Manor Farm<br>Denvilles                                                               |  | Ipsom Court, 24 The Quadrant,<br>Abingdon Science Park, Abingdon<br>Oxon, OX14 3YS<br>Tel: 01235 555173<br>Email: mail@mjaconsulting.co.uk |                     |
| Title                                   | Footway Access /<br>Pond Layout & Details                                             |  | Scale: 1:200@A1                                                                                                                            | Status: PRELIMINARY |
| Drawn: KTG<br>Project Engineer: AMC     |                                                                                       |  | MJA Project No: 4527                                                                                                                       | Date: 17/02/2023    |
| Drawing Number: 4527-MJA-SW-XX-DR-C-700 |                                                                                       |  | Rev: P7                                                                                                                                    |                     |