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SITE NAME:	Manor Farm, Denvilles
REPORT NAME:	Technical Note: Surface Water Drainage –Southern Basin Amendments
DATE:	04/04/2024
REF:	BSO/E5109/18227-Rev 2

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

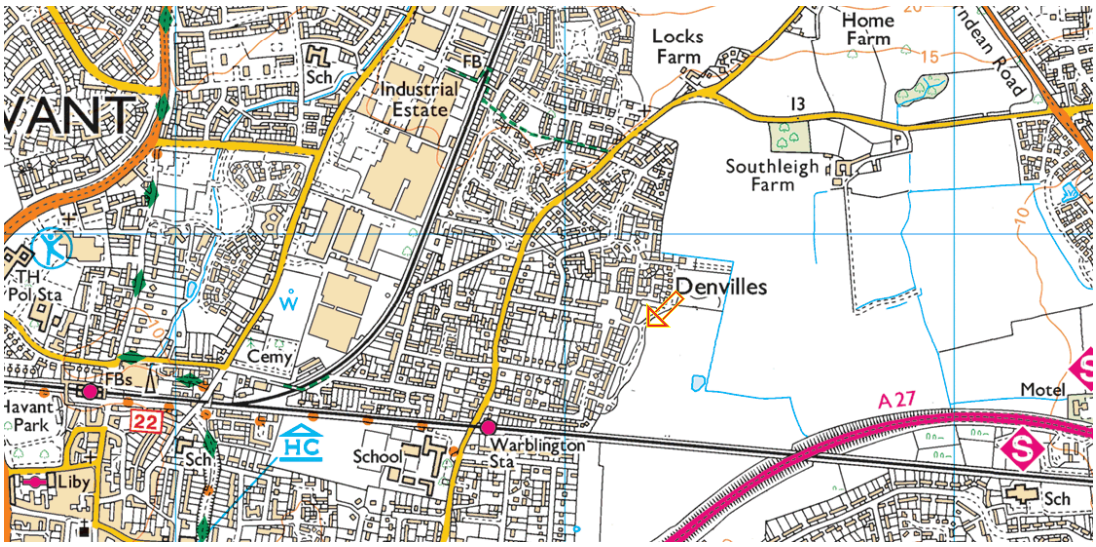


Figure 1: Location Plan

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.

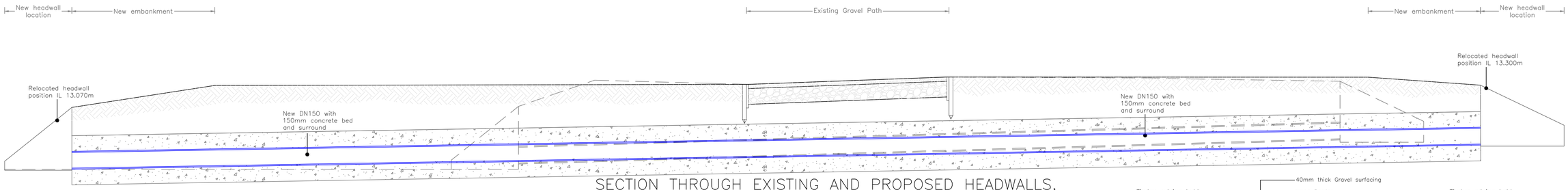
Figure 2: Aerial Photo of Current Arrangement

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.

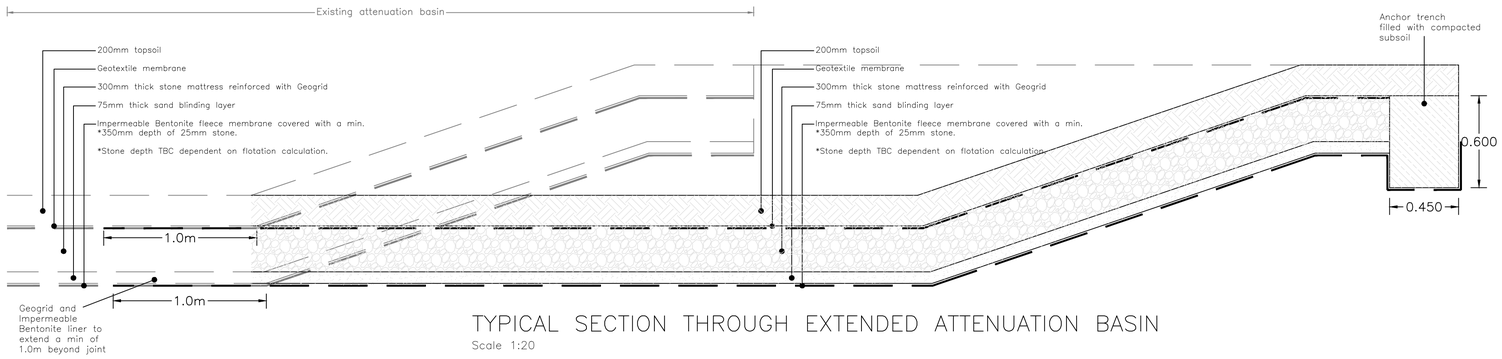
MJA Consulting have produced detailed plans of the changes required to the basins.They have confirmed that the northern basin will be reduced in size but the southern basin will be increased. As a result, there will be a net increase in available area within the surface water basins of $10m^2$ and the 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



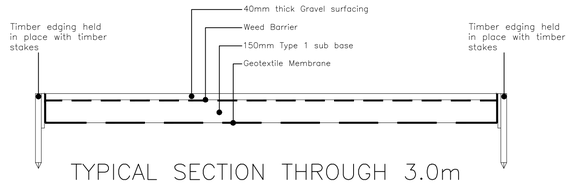
SECTION THROUGH EXISTING AND PROPOSED HEADWALLS, EMBANKMENTS AND EXISTING FOOTPATH

Scale 1:20



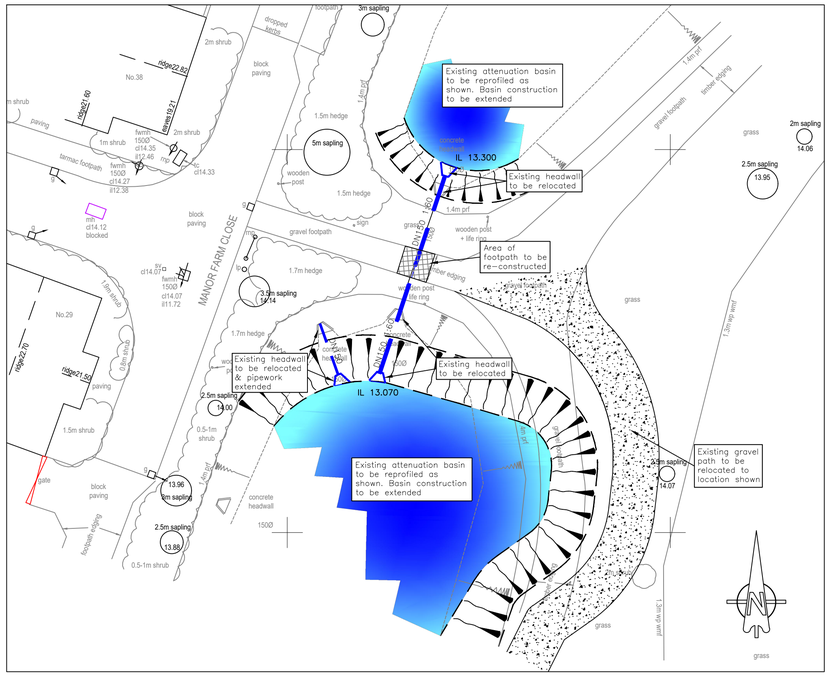
TYPICAL SECTION THROUGH EXTENDED ATTENUATION BASIN

Scale 1:20



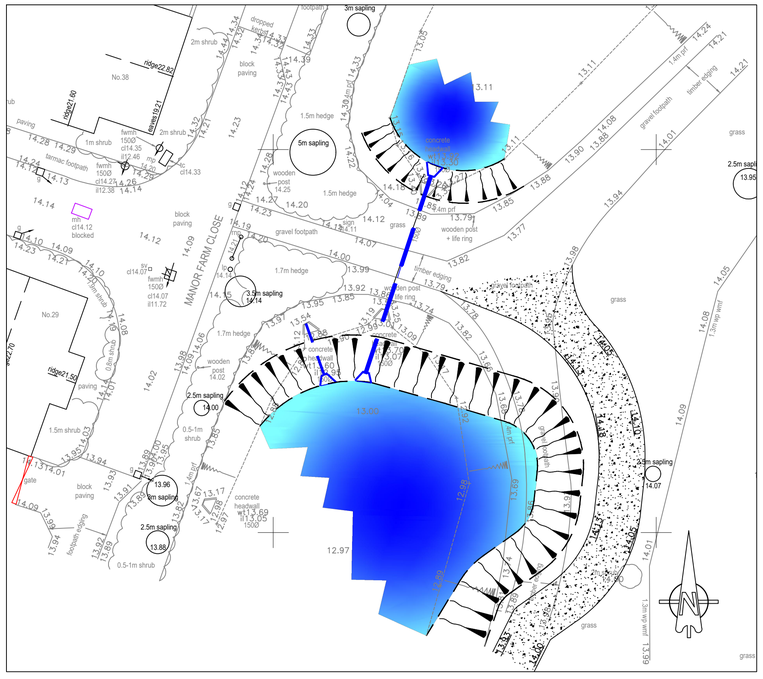
TYPICAL SECTION THROUGH 3.0m WIDE GRAVEL TRACK

Scale 1:20



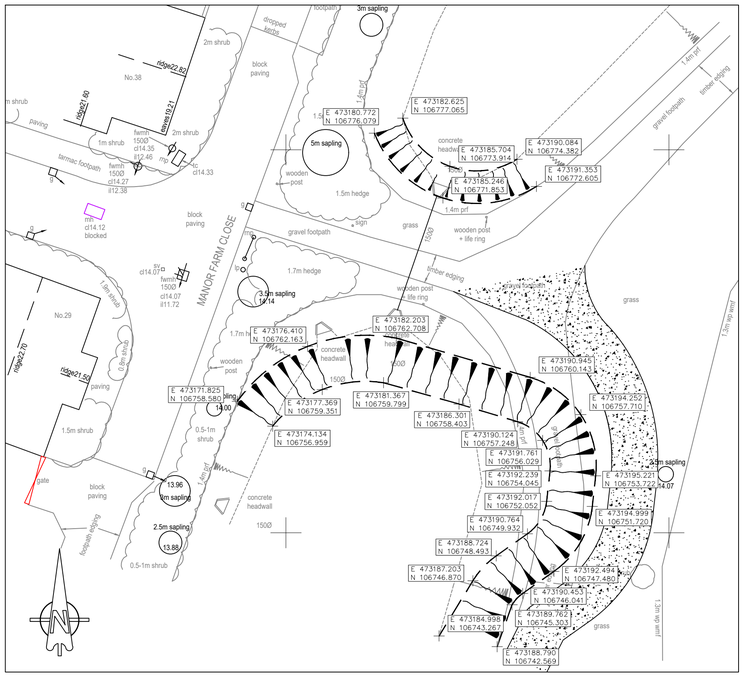
GENERAL ARRANGEMENT LAYOUT

Scale 1:200



LEVELS LAYOUT

Scale 1:200



POND SETTING OUT LAYOUT

Scale 1:200

Key:

- GT — Gully Type 1T. Refer to Hampshire standard detail HCC11/D/015
- DN150 1:150 — Proposed Concrete Storm Sewer
- Existing Headwall
- 14.00 — 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 orientated to OSGB36(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 longitudinal sections and construction drawings.
5. Any discrepancies with any of the drawings shall be reported to MJA 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.

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REV. No.	DATE	DESCRIPTION	DRAWN	CHECKED
P7	26.03.24	Layout updated in reponse to Client comments	HJS	KTG
P6	24.11.23	Layout updated in reponse 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 reponse to Client comments	JPS	KTG
P2	03.04.23	Layout updated in reponse to Client comments	JPS	KTG
P1	17.02.23	First issue for comment	KTG	AMc

Client: BARRATT DEVELOPMENTS PLC

Project: Manor Farm Denvilles

Title: Footway Access / Pond Layout & Details

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Scale: 1:200@A1		Status: PRELIMINARY	
Drawn: KTG	Project Engineer: AMc	MJA Project No: 4527	Date: 17/02/2023
Drawing Number: 4527–MJA–SW–XX–DR–C–700			Rev: P7