

Network 2

Total Imp Area	Area (m2)
All areas inc Roads	15770
Roads	7206
Total - Roads	8564

Network 2

Suds	Area (m2)
Pond	693 (wetted area)
	$693 \times 5 = 3465$
Swale 4	115
Total	3580
Difference	$8564 - 3580 = 4984\text{m}^2$
	$4984\text{m}^2 \times 0.005\text{m} = 24.92$
Permanent Water	$133\text{m}^2 \times 0.225 = 30\text{m}^3$
Extra Allocation of 1016m ² to Roads + Swale into ponds. Also 2nd treatment train.	

Network 3

Total Imp Area	Area (m2)
All areas inc Roads	15870
Roads	4627
Existing Farm	984
Total - Rds & Farm	10259

Network 3

Suds	Area (m2)
Pond	716 (wetted area)
	$716 \times 5 = 3580$
Swale 5	225
Swale 6	405
Difference	$10259 - 4210 = 6049\text{m}^2$
	$6049\text{m}^2 \times 0.005\text{m} = 30.25$
Permanent Water	$147\text{m}^2 \times 0.225 = 33.075\text{m}^3$
Extra Allocation of 565m ² to Roads + Swale into ponds. Also 2nd treatment train.	

Network 4

Total Imp Area	Area (m2)
All areas inc Roads	42810
Roads	12526
Existing Farm	2674
Total - Rds & Farm	27610

Network 4

Suds	Area (m2)
Pond	2585 (wetted area)
	$2585 \times 5 = 12925$
Swale 7	190
Swale 8	205
Swale 9	225
Swale 10	336
Swale 11	550
Swale 12 & 13	480
Difference	$27610 - 14911 = 12699\text{m}^2$
	$12699\text{m}^2 \times 0.005\text{m} = 63.5$
Permanent Water	$316\text{m}^2 \times 0.225 = 71.1\text{m}^3$
Extra Allocation of 1521m ² to Roads + Swales into ponds, also 2nd treatment train	

Swale 4 area
 $23\text{m} \times 5 = 115\text{m}^2$
Drive area
115m²

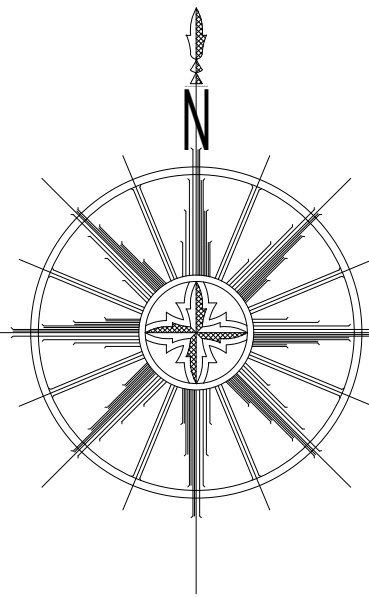
Swale 5 area
 $45\text{m} \times 5 = 225\text{m}^2$
Drive area
225m²

Swale 6 area
 $81\text{m} \times 5 = 405\text{m}^2$
Drive area
468m²

Swale 7 area
 $38\text{m} \times 5 = 190\text{m}^2$
Drive area
190m²

Swale 9 area
 $45\text{m} \times 5 = 225\text{m}^2$
Drive area
225m²

Swale 8 area
 $41\text{m} \times 5 = 205\text{m}^2$
Drive area
205m²



GENERAL NOTES

- THE CONTRACTOR SHALL CHECK ALL THE INS FOR LINE AND LEVEL WITH EXISTING BEFORE COMMENCING ANY WORKS SHOULD ANY ERRORS BE FOUND. THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY IN WRITING. IT IS ESSENTIAL THAT ALL PIPE CONNECTIONS ARE CHECKED FOR LINE, LEVEL AND DIAMETER PRIOR TO COMMENCING WORKS. AS DATA ON THESE PIPELINES HAS BEEN OBTAINED FROM A VARIETY OF SOURCES WHICH MAY NOT BE NECESSARILY ACCURATE OR COMPLETE.
- THE DEPICTION OF ANY SERVICE APPARATUS ON THIS DRAWING HAS BEEN OBTAINED FROM THIRD PARTY SOURCES, AND IS NOT NECESSARILY ACCURATE OR COMPLETE. AT NO TIME DOES THE INFERRED POSITION ON THE DRAWING ABSOLVE THE CONTRACTOR FROM TAKING ALL NECESSARY STEPS TO LOCATE SERVICE PLANT IN ACCORDANCE WITH THE METHODS SUGGESTED BY THE RELEVANT AUTHORITY. STEPHEN DAYKIN CONSULTING LTD WILL ACCEPT NO CLAIMS WHATSOEVER IN RESPECT OF ANY LOSSES OR DAMAGE CAUSED IN RESPECT OF SUCH APPARATUS, HOWEVER CAUSED.
- SEWERS TO BE CONSTRUCTED IN ACCORDANCE WITH THE W.S.A PUBLICATION 'DESIGN AND CONSTRUCTION GUIDANCE 2020' (DCG) AND RELEVANT WATER COMPANY AGREEMENTS.
- ALL LATERAL DRAINAGE CONNECTIONS TO THE PUBLIC SEWER SHALL BE 150MM DIAMETER UNLESS OTHERWISE SPECIFIED.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXECUTE THE WORKS AT ALL TIMES IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE 1974 HEALTH AND SAFETY AT WORK ACT, AND THE 2015 CON REGULATIONS. THE CONTRACTOR WILL BE DEEMED TO HAVE ALLOWED FOR FULL COMPLIANCE WITH THE SAME WITHIN HIS RATES, INCLUDING FULL LIAISON WITH THE PRINCIPAL DESIGNER.
- FOR DETAILS OF CARRIAGEWAY CONSTRUCTION REFER TO THE 30 SERIES PROJECT DRAWINGS.
- FOR DETAILS OF SEWER CONSTRUCTION REFER TO THE 40 SERIES PROJECT DRAWINGS.

SDC dwg no. E970-SUDS3

Stephen Daykin Consulting Ltd
A design consultancy for the development industry
31A Longacre
Bingham
Nottinghamshire
NG13 8AF
Tel 01949 838831
mobile 07968 765381
steve@sdcivils.com
Managing Director
Stephen W Daykin I.Eng MICE MCIOHT

1/500 SCALE BAR 0 10 20 30 40 50 60

WARNING TO PURCHASERS. Property Misdescriptions Act 1991

Images and site layout are intended for illustrative purposes only and should be treated as general guidance only.

Site layout including parking arrangements, local affordable housing, community buildings, play areas and public open spaces may change to reflect changes in the planning permission for the development. Please speak to your solicitor to ensure full details of any planning constraints including layout plans are available.

Site layout and landscaping are not intended to form part of any contract or warranty unless specifically incorporated in writing into the contract.

Rev	Description	Initial	Date
A	Calcs updated to Barratts comments 28.07.26	JW	29.07.26

©Crown Copyright. All rights reserved.
Licence no. 100022432

SUDS AREA PLAN

A47_HINCKLEY



Dwg No. H0997-312-07 Rev. A
Scale 1:500 Date 13.07.26
Drawn by JW Checked by INITIAL

NORTH MIDLANDS
Design & Technical Department
2 Horizon Place - Nottingham Business Park
NOTTINGHAM NG3 6PY