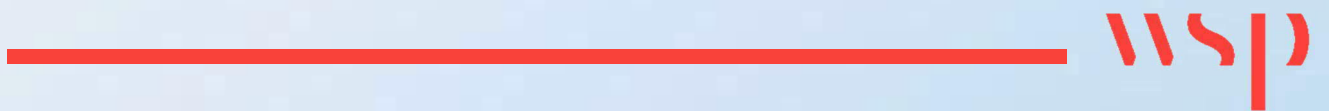


Appendix E

FOUL STRATEGY



NOTES:

DO NOT SCALE

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELATED DOCUMENTATION, DRAWINGS AND STANDARD DETAILS.

2. ALL LEVELS IN THIS AND ALL PIPE DIAMETERS IN MILLIMETERS.

3. THE FOUL DRAINAGE STRATEGY NEEDS TO BE AGREED WITH SOUTHERN WATER.

4. THE Foul Drainage Strategy is developed for the whole development which extends beyond the site boundary.

KEY:

SITE BOUNDARY

PROPOSED FOUL WATER DRAINAGE PIPE AND MANHOLE

PROPOSED FOUL WATER RISING MAIN

EXISTING FOUL WATER DRAINAGE PIPE AND MANHOLE

6m FOUL WATER DRAINAGE EASEMENT

PROPOSED FOUL WATER PUMP STATIONS (NET WELL EXCLUSION ZONE)

CATCHMENT 1 (80 UNITS) DISCHARGING TO PUMPING STATION

CATCHMENT 2 (82 UNITS) FLOWS FROM PUMPING STATION DISCHARGING TO SOUTHERN WATER WISBOA

CATCHMENT 3 (20 UNITS)

CATCHMENT 4 (32 UNITS) DISCHARGING TO SOUTHERN WATER WISBOA VIA OFFSITE CONNECTION

CATCHMENT 5 (10 UNITS) DISCHARGING TO SOUTHERN WATER WISBOA VIA EXISTING SOUTHERN WATER MAIN

TO WISBOA (172 UNITS)

CATCHMENT 1 (80 UNITS) DISCHARGING TO SOUTHERN WATER WISBOA VIA OFFSITE CONNECTION

CATCHMENT 2 (82 UNITS) FLOWS FROM PUMPING STATION DISCHARGING TO SOUTHERN WATER WISBOA

CATCHMENT 3 (20 UNITS)

CATCHMENT 4 (32 UNITS) DISCHARGING TO SOUTHERN WATER WISBOA VIA OFFSITE CONNECTION

CATCHMENT 5 (10 UNITS) DISCHARGING TO SOUTHERN WATER WISBOA VIA EXISTING SOUTHERN WATER MAIN

TO WISBOA (172 UNITS)

KEY TO HEALTH AND SAFETY SYMBOLS

INDICATES A RESIDUAL RISK REQUIRING A COMPLEMENTARY ACTION

INDICATES A RESIDUAL RISK FOR INFORMATION

INDICATES A RESIDUAL RISK REQUIRING A PROMPT ACTION

INDICATES A RESIDUAL RISK AS A WARNING

REVISED

DATE

BY

DESCRIPTION

CHK

APP

FOR INFORMATION

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LAND AND PARTNERS LTD

PECAUS

LONG CORSE LANE, EMSWORTH

PROPOSED FOUL WATER DRAINAGE STRATEGY

PROJECT NO: 11000

PROJECT DATE: 11/06/2020

DATE: 11/06/2020

REV: P03

70052250-WSP-LG-00-DR-001

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The main site plan illustrates the foul water drainage strategy for the development. It features several key elements:

- Catchment Areas:** The site is divided into five catchment areas, each color-coded and labeled with its unit count: Catchment 1 (80 units, orange), Catchment 2 (82 units, green), Catchment 3 (20 units, blue), Catchment 4 (32 units, pink), and Catchment 5 (10 units, yellow).
- Pumping Stations:** Two pumping stations are shown: 'PUMPING STATION 1' (a green rectangular structure) and 'PUMPING STATION 2' (a yellow rectangular structure).
- Easements:** A '6m FOUL WATER DRAINAGE EASEMENT' is indicated by a yellow shaded area along the southern boundary.
- Drainage Network:** The plan shows a network of proposed and existing foul water pipes, manholes, and rising mains, with elevations and flow directions marked.
- Site Features:** Various site features are labeled, including 'THE COACH HOUSE', 'HOLLYBANK HOUSE', 'HOLLYBANK FARM', 'LONGCORSE COTTAGE', 'HOLLYBANK COTTAGE', and 'RELANDS LANE'.
- Topography:** The plan includes contour lines and spot heights to show the terrain.
- Legend:** A detailed legend is located in the top right corner, explaining the symbols used for boundaries, easements, catchments, and various risk levels.
- Notes:** Several notes are present, including 'DO NOT SCALE' and 'THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELATED DOCUMENTATION, DRAWINGS AND STANDARD DETAILS'.

Population	DWF	2.5DWF	Design Flow
Catchment 1	275	0.54	4.12
Catchment 2	107	0.33	3.76
Catchment 3	46	0.07	0.91
Catchment 4	77	0.12	2.89
Catchment 5	538	0.25	10.37
Total			

Table 1. Indicative Southern Water and ECG Foul Loadings Summary

A. SOUTHERN WATER SHALL BE ADVISED OF ALL THE FLOW RATES AND VOLUMES OF THE FLOWS TO THE PUMPING STATIONS AND TO THE SOUTHERN WATER MAINS. THE FLOWS TO THE SOUTHERN WATER MAINS SHALL BE AGREED WITH SOUTHERN WATER. THE FLOWS TO THE SOUTHERN WATER MAINS SHALL BE AGREED WITH SOUTHERN WATER. THE FLOWS TO THE SOUTHERN WATER MAINS SHALL BE AGREED WITH SOUTHERN WATER.

THIS DRAWING HAS BEEN GRANTED FROM THE RELEVANT LOCAL AUTHORITIES OR STATUTORY BODIES, IT SHOULD BE UNDERSTOOD THAT ALL DRAWINGS ARE ISSUED AS THE PROPERTY OF THE LOCAL AUTHORITY OR STATUTORY BODY. THE CONTRACTOR AND / OR EMPLOYER COMES TO WORK PRIOR TO APPROVAL BEING GIVEN, IT IS ENTIRELY AT THEIR OWN RISK.

Calculation Title Sheet



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Calculation Title Foul loadings

Job Title Long Copse Lane, Emsworth

Job Number 70052250

Calculation Ref: 2250-FW_Calc01 **No. of Sheets** 2

Made By JT **Date** 19/04/2021

Check By JB **Date** 04/05/2021

Approved By LRB **Date**

Revision	Amendments	Date	Made By	Checked	Approved
P01	First Revision	10/06/2021	JT	JHB	LRB

CATCHMENT
LOCATION

Long Copse Lane, Emsworth
PO10 7UR

10/06/2021
WSP: J.Blavignac

DWF = PG + I + E
3.0*DWF = 3PG + I + 3E
4.5*DWF = 4.5PG + I + 4.5E
6.0*DWF = 6PG + I + 6E
Formula A = DWF + 1360P + 2E

Address Points	90	82	20	32	44	Total
Occupancy*	2.4	2.4	2.4	2.4	2.4	2.4
Population (Pr + Pc)	216	197	48	77	106	643

nr
persons/prop
nr

Trade Flows

0	0	I/d
---	---	-----

Per Capita Flow (G)
Infiltration (i%)
Percentage Combined

125
10%
100%

I/hd/d

G = Per Capita Flow
I = Infiltration (Assume i% of PG - default 40%)
E = Trade Flows

* Occupancy rate based on JR2001 Residential Population divided by Residential addresspoints for catchment
! Note no allowance made for holiday population

Design Flow -4000 l/unit dwelling/day
Approximates to 3 person/property:
200 l/hd/d : 6.0*DWF+10% Infiltration

	Population nr	DWF I/s	2.5DWF I/s	Design Flow I/s
Catchment 1	216	0.344	0.813	4.167
Catchment 2	197	0.313	0.740	3.796
Catchment 3	48	0.076	0.181	0.926
Catchment 4	77	0.122	0.289	1.481
Catchment 5	106	0.168	0.397	2.037
Commercial	n.a	n.a	0.000	0.000
Total	644	1.024	2.419	12.407