

TABLE SUMMARISING PLOT DISPOSAL CALCULATIONS

HOUSE TYPE	HOUSE NUMBERS	CONTRIBUTING INFILTRATION AREA (m ²)	SUFS AREA (m ²)	DESIGN DEPTH (mm)	CALCULATION
1	1	150	40	500	150
2	2	150	40	500	150
3	3	150	40	500	150
4	4	150	40	500	150
5	5	150	40	500	150
6	6	150	40	500	150
7	7	150	40	500	150
8	8	150	40	500	150
9	9	150	40	500	150
10	10	150	40	500	150
11	11	150	40	500	150
12	12	150	40	500	150
13	13	150	40	500	150
14	14	150	40	500	150
15	15	150	40	500	150
16	16	150	40	500	150
17	17	150	40	500	150
18	18	150	40	500	150
19	19	150	40	500	150
20	20	150	40	500	150
21	21	150	40	500	150
22	22	150	40	500	150
23	23	150	40	500	150
24	24	150	40	500	150
25	25	150	40	500	150
26	26	150	40	500	150
27	27	150	40	500	150
28	28	150	40	500	150
29	29	150	40	500	150
30	30	150	40	500	150
31	31	150	40	500	150
32	32	150	40	500	150
33	33	150	40	500	150
34	34	150	40	500	150
35	35	150	40	500	150
36	36	150	40	500	150
37	37	150	40	500	150
38	38	150	40	500	150
39	39	150	40	500	150
40	40	150	40	500	150
41	41	150	40	500	150
42	42	150	40	500	150
43	43	150	40	500	150
44	44	150	40	500	150
45	45	150	40	500	150
46	46	150	40	500	150
47	47	150	40	500	150
48	48	150	40	500	150
49	49	150	40	500	150
50	50	150	40	500	150
51	51	150	40	500	150
52	52	150	40	500	150
53	53	150	40	500	150
54	54	150	40	500	150
55	55	150	40	500	150
56	56	150	40	500	150
57	57	150	40	500	150
58	58	150	40	500	150
59	59	150	40	500	150
60	60	150	40	500	150
61	61	150	40	500	150
62	62	150	40	500	150
63	63	150	40	500	150
64	64	150	40	500	150
65	65	150	40	500	150
66	66	150	40	500	150
67	67	150	40	500	150
68	68	150	40	500	150
69	69	150	40	500	150
70	70	150	40	500	150
71	71	150	40	500	150
72	72	150	40	500	150
73	73	150	40	500	150
74	74	150	40	500	150
75	75	150	40	500	150
76	76	150	40	500	150
77	77	150	40	500	150
78	78	150	40	500	150
79	79	150	40	500	150
80	80	150	40	500	150
81	81	150	40	500	150
82	82	150	40	500	150
83	83	150	40	500	150
84	84	150	40	500	150
85	85	150	40	500	150
86	86	150	40	500	150
87	87	150	40	500	150
88	88	150	40	500	150
89	89	150	40	500	150
90	90	150	40	500	150
91	91	150	40	500	150
92	92	150	40	500	150
93	93	150	40	500	150
94	94	150	40	500	150
95	95	150	40	500	150
96	96	150	40	500	150
97	97	150	40	500	150
98	98	150	40	500	150
99	99	150	40	500	150
100	100	150	40	500	150

PP= FEMERABLE PAVING, OF= OVERFLOW & R= RAINGARDEN
250mm MINIMUM RESERVOIR SURFACE DEPTH REQUIRED

TABLE SUMMARISING THE HIGHWAY DISPOSAL CALCULATIONS

REF.	CONTRIBUTING INFILTRATION AREA (m ²)	SUFS AREA (m ²)	DESIGN DEPTH (mm)	CALCULATION
R1	150	40	500	150
R2	150	40	500	150
R3	150	40	500	150
R4	150	40	500	150
R5	150	40	500	150
R6	150	40	500	150
R7	150	40	500	150
R8	150	40	500	150
R9	150	40	500	150
R10	150	40	500	150
R11	150	40	500	150
R12	150	40	500	150
R13	150	40	500	150
R14	150	40	500	150
R15	150	40	500	150
R16	150	40	500	150
R17	150	40	500	150
R18	150	40	500	150
R19	150	40	500	150
R20	150	40	500	150
R21	150	40	500	150
R22	150	40	500	150
R23	150	40	500	150
R24	150	40	500	150
R25	150	40	500	150
R26	150	40	500	150
R27	150	40	500	150
R28	150	40	500	150
R29	150	40	500	150
R30	150	40	500	150
R31	150	40	500	150
R32	150	40	500	150
R33	150	40	500	150
R34	150	40	500	150
R35	150	40	500	150
R36	150	40	500	150
R37	150	40	500	150
R38	150	40	500	150
R39	150	40	500	150
R40	150	40	500	150
R41	150	40	500	150
R42	150	40	500	150
R43	150	40	500	150
R44	150	40	500	150
R45	150	40	500	150
R46	150	40	500	150
R47	150	40	500	150
R48	150	40	500	150
R49	150	40	500	150
R50	150	40	500	150
R51	150	40	500	150
R52	150	40	500	150
R53	150	40	500	150
R54	150	40	500	150
R55	150	40	500	150
R56	150	40	500	150
R57	150	40	500	150
R58	150	40	500	150
R59	150	40	500	150
R60	150	40	500	150
R61	150	40	500	150
R62	150	40	500	150
R63	150	40	500	150
R64	150	40	500	150
R65	150	40	500	150
R66	150	40	500	150
R67	150	40	500	150
R68	150	40	500	150
R69	150	40	500	150
R70	150	40	500	150
R71	150	40	500	150
R72	150	40	500	150
R73	150	40	500	150
R74	150	40	500	150
R75	150	40	500	150
R76	150	40	500	150
R77	150	40	500	150
R78	150	40	500	150
R79	150	40	500	150
R80	150	40	500	150
R81	150	40	500	150
R82	150	40	500	150
R83	150	40	500	150
R84	150	40	500	150
R85	150	40	500	150
R86	150	40	500	150
R87	150	40	500	150
R88	150	40	500	150
R89	150	40	500	150
R90	150	40	500	150
R91	150	40	500	150
R92	150	40	500	150
R93	150	40	500	150
R94	150	40	500	150
R95	150	40	500	150
R96	150	40	500	150
R97	150	40	500	150
R98	150	40	500	150
R99	150	40	500	150
R100	150	40	500	150

PP= FEMERABLE PAVING, OF= OVERFLOW, S= SWALE & R= BASIN

INFORMATION

Project no.	C0589	Drawing no.	C-SAB-03
Scale	1:500	Date	29.02.20
Drawn	DA	Checked	UP
Sheet	10	Revised	A

Hale
RESIDENTIAL DEVELOPMENT AT LEIROS PARC DRIVE NEATH
SUDDS APPROVAL BODY PROPOSED DRAINAGE STRATEGY

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A	LAYOUT UPDATED IN LINE WITH ARCHITECT LAYOUT REV E.	05.11.20	
Rev.	Detail	dy	D

KEY

- EXTENT OF HIGHWAY
- CONTRIBUTING AREA
- EXTENT OF HARD-PAVED
- ADOPTABLE HIGHWAY
- EXTENT OF SURFACE WATER RESERVOIR WITHIN HIGHWAY SUBBASE
- HIGHWAY SURFACE WATER SWALE/ BASIN
- PRIVATELY MAINTAINABLE SURFACE WATER SWALE/ BASIN
- PRIVATELY MAINTAINABLE WATER RESERVOIR WITHIN SUBBASE
- SHARED DRIVEWAY SURFACE WATER RESERVOIR WITHIN SUBBASE
- 150/225mm STORM ADAPTABLE PIPEWORK
- 225mm ADAPTABLE PERFORATED PIPEWORK
- 100/150mm FOUL ADAPTABLE PIPEWORK

- GENERAL NOTES**
- DO NOT SCALE THIS DRAWING.
 - CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.
 - ANY DISCREPANCY TO BE REPORTED IMMEDIATELY TO THE ENGINEER.
 - THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTICES, SUBCONTRACTORS AND SPECIALIST DRAWINGS AND SPECIFICATIONS.

ADRAINAGE STRATEGY

PROPOSED HIGHWAY SURFACE WATER STRATEGY IS DIVIDED INTO 18 SECTIONS, HIGHLIGHTED ON PLAN BY RED DASHED LINES.

- BOUNDARIES.
- DISCHARGE TO THE LEVEL OF INFILTRATION OBSERVED AT R13-14. THIS SECTION OF HIGHWAY WILL BE COLLECTED WITHIN A PERFORATED PAVEMENT STRUCTURE TO THE PERMEABLE PAVING.
- OVERFLOWS ARE REQUIRED AT EACH DOWNSTREAM STRUCTURE TO THE PERMEABLE PAVING.
- THE LOW INFILTRATION RATE OBSERVED AT R13-14 WILL BE PROMOTED TO MAINTAIN PERMEABLE PAVING AND ATTENUATE THE SURFACE WATER RUNOFF.
- THE REMAINDER OF THE SITE IS DESIGNED TO WITHIN A PERMEABLE PAVING STRATEGY.
- BE COLLECTED BY PERMEABLE PAVING, HOWEVER, SECTIONS R12-14 AND 18 WILL BE COLLECTED BY INFILTRATION SWALES/ PERFORATED PAVEMENT TO THE GROUND. DUE TO THE LOW INFILTRATION RATE OBSERVED AT R13, AN OVERFLOW WILL BE REQUIRED AND A RAIN RETENTION BASIN.
- EACH PLOT TO INCLUDE A WATER BUTT WITH AN OVERFLOW DISCHARGING INTO THE PLOTS OWN PRIVATE PERMEABLE PAVING.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R1-3 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R4-6 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R7-9 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R10-12 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R13-15 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R16-18 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R19-21 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R22-24 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R25-27 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R28-30 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R31-33 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R34-36 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R37-39 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R40-42 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R43-45 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R46-48 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R49-51 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R52-54 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R55-57 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R58-60 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R61-63 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R64-66 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R67-69 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R70-72 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R73-75 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R76-78 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R79-81 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R82-84 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R85-87 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R88-90 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R91-93 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R94-96 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R97-99 WILL ALSO INCLUDE A RAIN RETENTION BASIN.
- DISCHARGING TO GROUND. THE PLOTS SERVED BY HIGHWAY SECTION R100-102 WILL ALSO INCLUDE A RAIN RETENTION BASIN.

PROPOSED Foul SYSTEM TO DISCHARGE INTO TOWN SEWER LEIROS PARC DRIVE

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