

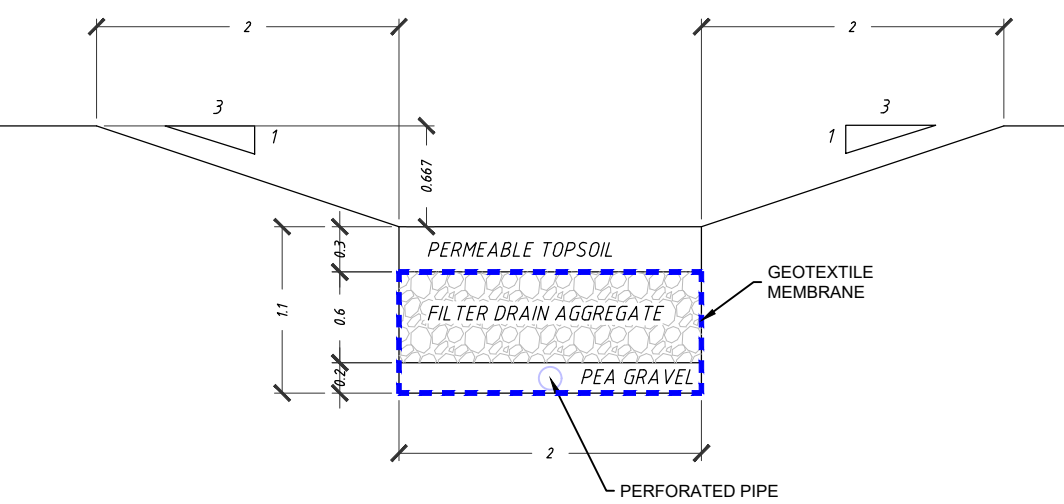
STORM MH SCHEDULE

S.W.M.H.	Cover Level (m)	Invert Level (m)	Depth (m)
1	65.250	63.750	1.500
2	66.660	63.397	3.263
3	65.790	62.825	2.965
4	63.768	60.824	2.944
5	65.833	60.503	5.330
6	63.877	60.225	3.652
7	62.970	59.239	3.731
8	62.687	59.069	3.618
9	62.460	58.754	3.706
10	62.320	58.737	3.583
11	61.450	58.701	2.749
12	66.750	65.313	1.437
13	64.800	62.280	2.520
14	63.610	60.984	2.626
15	63.200	60.615	2.585
16	62.230	59.625	2.605
17	66.700	64.849	1.851
18	66.800	64.707	2.093
19	66.300	64.565	1.735
20	64.580	63.280	1.300
21	65.050	63.625	1.425
22	62.570	61.145	1.425
23	66.188	61.722	4.466
24	64.091	61.334	2.757
25	63.473	61.261	2.212
26	66.929	62.532	4.397
30	64.857	60.506	4.351
31	61.630	58.873	2.757
32	61.764	58.421	3.343
33	61.464	57.358	4.106
34	59.550	56.739	2.811
35	55.577	51.514	4.063
36	53.610	49.598	4.012
37	52.070	49.073	2.997
38	51.857	48.077	3.780
39	50.934	45.964	4.970
40	48.320	44.656	3.664
41	46.700	43.167	3.533
42	45.000	43.096	1.904
43	40.740	39.165	1.575
44	35.422	32.606	2.816
45	35.614	30.473	5.141
46	33.640	30.046	3.594
47	33.300	29.668	3.632
48	31.300	28.457	2.843
49	30.200	28.434	1.766
50	61.500	59.127	2.373
51	59.450	57.342	2.108
52	52.380	49.797	2.583
53	51.280	44.674	6.606
54	56.391	54.636	1.755
55	55.430	54.005	1.425
56	53.826	52.401	1.425
57	56.557	53.208	3.349
58	59.380	56.824	2.556
59	39.710	33.862	5.848
60	36.750	32.727	4.023
61	59.450	52.884	6.566
62	40.720	39.420	1.300

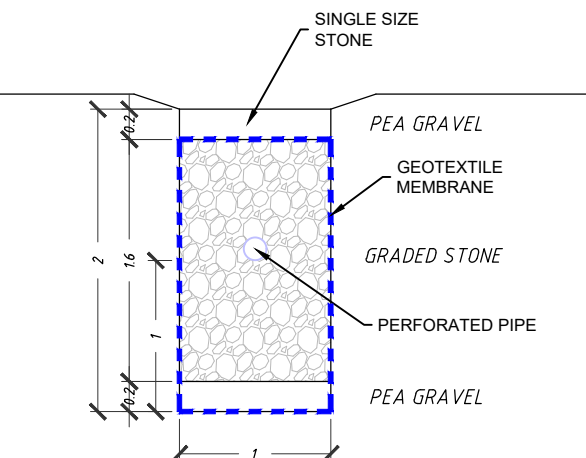
STORM PIPE SCHEDULE

From	To	Length (m)	Slope (1:X)	Dia (mm)	US Depth (m)	DS Depth (m)
1	2	52.977	150.1	225	1.275	3.038
2	3	56.983	150.0	225	3.038	2.548
3	4	62.010	128.7	225	2.740	1.200
4	5	60.000	243.9	300	2.644	4.955
5	6	90.000	323.7	375	4.955	3.277
6	7	35.305	323.9	375	3.277	2.479
7	8	8.497	50.0	375	3.356	3.243
8	9	8.236	49.9	375	3.243	3.181
10	11	17.562	487.8	525	3.058	2.224
12	13	67.000	22.1	225	1.212	2.295
13	14	39.001	30.1	225	2.295	2.401
14	15	30.018	81.2	225	2.401	2.360
15	7	9.640	169.1	225	2.360	2.187
16	7	40.000	169.5	225	2.380	3.356
17	18	24.018	169.1	225	1.626	1.868
18	19	24.000	169.0	225	1.868	1.510
19	13	45.035	37.8	225	1.510	1.200
20	26	41.540	59.5	100	1.200	4.247
21	3	39.999	50.0	225	1.200	2.740
22	4	36.836	149.7	225	1.200	2.644
23	24	65.835	169.7	225	4.241	2.532
24	25	12.279	168.2	225	2.532	1.987
26	23	74.097	100.8	150	4.247	4.241
30	31	49.039	30.0	225	4.126	2.532
31	32	47.582	105.3	225	2.532	3.118
32	33	15.000	14.1	225	3.118	3.881
33	34	80.004	129.3	225	3.881	2.586
34	61	12.274	3.2	225	2.586	6.341
35	36	65.500	35.6	225	3.838	3.712
36	37	73.489	140.0	300	3.712	2.697
37	38	10.332	10.4	300	2.697	3.480
38	39	44.598	21.1	300	3.480	4.670
39	40	90.000	73.0	300	4.670	3.289
40	41	45.112	324.5	375	3.289	1.808
41	42	28.912	407.2	450	3.083	1.454
42	43	74.018	18.8	375	1.529	1.200
43	44	35.173	5.4	375	1.200	2.441
44	45	21.042	9.9	375	2.441	4.766
45	46	35.283	82.7	375	4.766	3.219
46	47	11.001	29.1	375	3.219	3.257
47	48	15.655	14.7	375	3.257	2.318
48	49	11.031	479.6	525	2.318	1.241
50	51	67.000	39.2	225	2.148	1.808
51	52	24.870	3.3	300	1.808	2.283
52	53	27.934	5.5	300	2.283	6.306
53	41	37.413	27.6	300	6.306	3.083
54	55	45.865	72.7	225	1.530	1.200
55	56	52.041	32.4	225	1.200	1.200
56	52	58.809	40.7	225	1.200	1.200
57	35	69.003	169.5	225	3.124	2.551
58	34	9.945	116.9	225	2.331	2.586
59	45	76.852	169.7	225	5.623	1.980
60	46	81.141	158.5	225	3.798	1.200
61	35	17.526	12.8	225	6.341	3.838
62	44	86.142	13.2	100	1.200	2.441

Contours of existing ground levels, proposed development ground levels and property floor levels relative to Ordnance Datum (Malin Head).

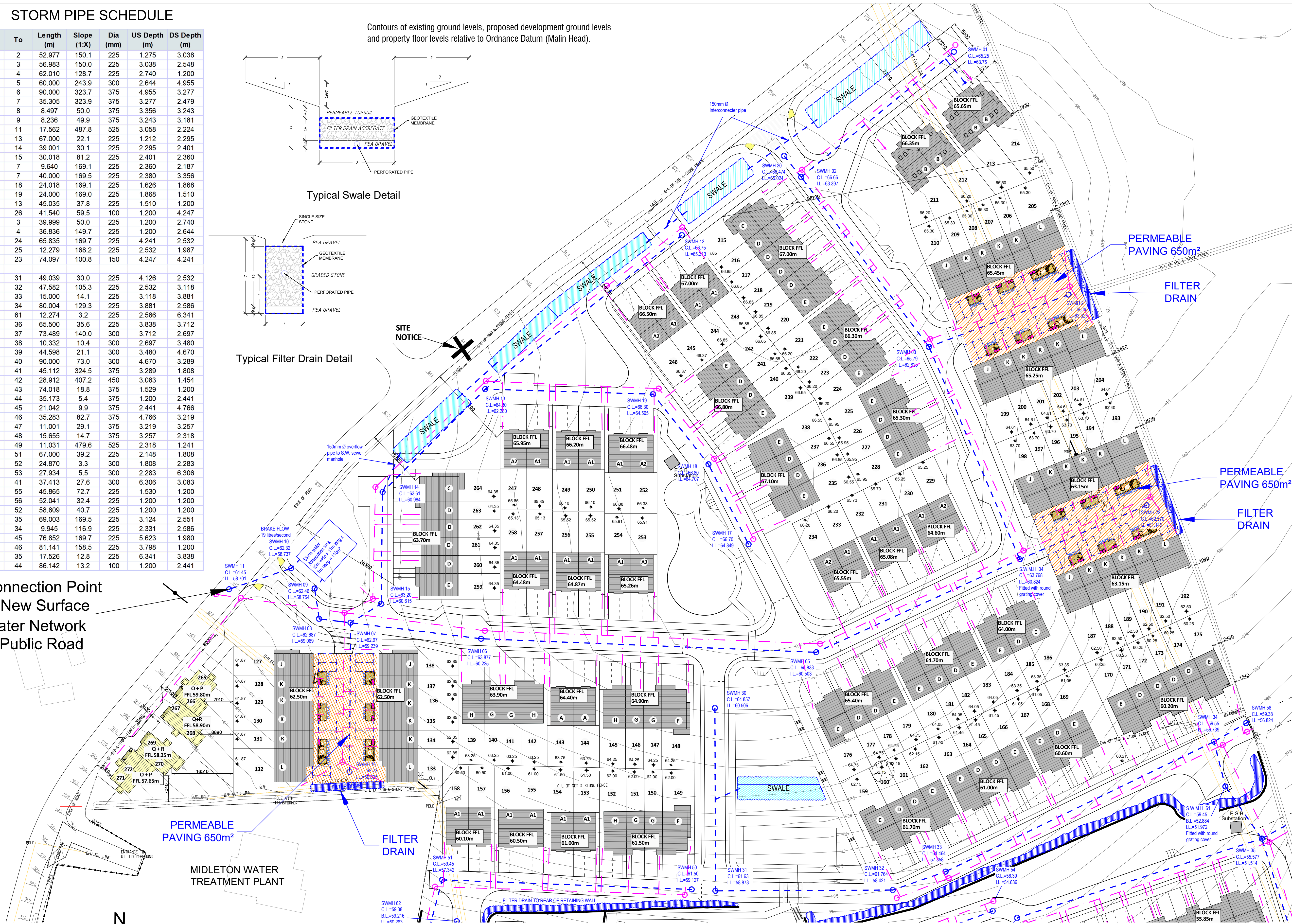


Typical Swale Detail



Typical Filter Drain Detail

Connection Point to New Surface Water Network in Public Road



PART SITE LAYOUT - NORTHERN SECTION - STORM LAYOUT

Scale 1 : 500

Notes:

1. This drawing is for the purpose of the stage indicated only. - If in doubt ask.
2. Do not scale. Figured dimensions only to be taken.
3. Engineer/Architect to be informed of any discrepancies before work proceeds.
4. Contractor to check all dimensions and conditions on site before commencing works.
5. Drawing to be read in conjunction with current Building Regulations.
6. All components and materials to be installed fully in accordance with manufacturers instructions.

NOTE:-

ALL STORM WATER SEWER PIPES TO BE MINIMUM 225mm Ø STORM SEWERS PIPE MATERIAL IS TO BE UN-PLASTICIZED POLYVINYLCHLORIDE PVC-U PIPES AND FITTINGS IN ACCORDANCE WITH I.S.424.
CONCRETE: TO IS EN 1916 (2002), BS 5911, PART 1 (2002-2010) AND IS 6 (2004).
THERMOPLASTIC STRUCTURED WALL PIPES: TO IS EN 13476 (2007/2009) (SN8 STIFFNESS CLASS).
UNPLASTICISED PVC: TO IS EN 1401 (2009-2012) (SN8 STIFFNESS CLASS).

SWMH 05
C.L.=51.45
I.L.=50.705

2250 Foul @ 1/69

225 Ø Pipe @ 1/60

Proposed Foul Sewer and Manhole

Proposed Storm Sewer and Manhole

Rev	Date	Description	Drawn	Chk'd
A	09-10-2023	ISSUED FOR PLANNING APPLICATION	JB	BOK/GF

BRIAN O KENNEDY & ASSOCIATES LTD
Engineers & Architects
Shannon House,
Clonagh Road,
Douglas,
Co Cork
Tel: 021-4598854
Fax: 021-4598854
Email: info@bok.ie
Web: www.bok.ie
ENGINEERING | ARCHITECTURE | ASSIGNED CERTIFIERS
AND CERTIFICATES | EAC | PROSP | CONSERVATION
GENERAL NOTE:
This drawing is the property of Brian O'Kennedy & Associates.
Copyright is reserved. The drawing shall not be copied, reproduced or
otherwise used without the consent of Brian O'Kennedy & Associates.

CastleRock Homes

Drawing Status:	LRD PLANNING APPLICATION
Client:	CASTLE ROCK HOMES MIDLETON LTD.
Project:	RESIDENTIAL DEVELOPMENT - BROOMFIELD MIDLETON
Drawing:	PROPOSED PART SITE LAYOUT PLAN NORTHERN SECTION - STORM LAYOUT
Date:	28-04-23
Scale:	1:500 @ A1
Drawing number:	22/6732-P-1322
Rev:	A
Drawn:	JB
Chk'd:	GF