NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECT'S DRAWINGS.FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED. WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY DOUBT - 'ASK'.
2. CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.
3. PROPOSED GRAVITY SEWER PIPES ARE TO BE SPECIFIED IN ACCORDANCE WITH SECTION 3.13.1 OF THE WASTEWATER CODE OF PRACTICE.

NOTES ON DRAINAGE:

1. THE SETTING OUT OF ALL RWP's & SVP's IS BY THE ARCHITECT AND M&E ENGINEER. LOCATIONS SHOWN INDICATIVE ONLY.
2. ALL S.W. BRANCH PIPES TO BE 100Ø @ 1:60 UNLESS NOTED OTHERWISE.
3. FOUL BRANCH PIPES TO BE 100Ø @ 1:40 UNLESS NOTED OTHERWISE.
4. ALL BURIED DRAINS TO BE uPVC.
5. PROVIDE A 45° SWEEP AT ALL SIDE CONNECTIONS.
6. INTERNAL SLAB POP-UP's LOCATIONS ARE INDICATIVE ONLY. FINAL LOCATIONS TO BE BY ARCHITECT.
7. INTERNAL GULLIES TO BE STAINLESS STEEL.
8. GULLYS TO BE RODDABLE & TRAPPED.
9. ALL STACKS TO BE RODDABLE ABOVE SLAB LEVEL.
10. MINIMUM DISTANCE BETWEEN BRANCH CONNECTIONS TO THE MAIN LINES TO BE 300mm.
11. POSITIONS OF ANY SERVICES SHOWN ARE INDICATIVE ONLY. THE SETTING-OUT OF ALL SERVICES INDICATED IS THE RESPONSIBILITY OF THE CONTRACTOR, AND HE/SHE SHALL SATISFY THEMSELVES THAT THE REQUIRED DEPTH OF COVER AND SEPARATION DISTANCES ARE ACHIEVED IN ACCORDANCE WITH THE IRISH WATER CODES OF PRACTICE AND STANDARD DETAILS.
12. ALL FOUL DRAINAGE & WATERMAINS OUTSIDE THE BUILDING FOOTPRINT TO BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATER DETAILS & CODES OF PRACTICE.
13. THE CONTRACTOR SHALL REVIEW THE PLAN LAYOUT PRIOR TO COMMENCEMENT HAVING REGARD TO THE REQUIREMENTS OF THE IRISH WATER CODES OF PRACTICE AND STANDARD FOUL DRAINAGE AND WATERMAIN DETAILS PUBLISHED BY IRISH WATER. WHERE A DISCREPANCY BETWEEN BMCE PLAN LAYOUT DRAWINGS AND THE RELEVANT REQUIREMENTS OF THE CODES OF PRACTICE OR STANDARD DETAILS IS IDENTIFIED AS PART OF THIS REVIEW, THE CONTRACTOR MUST CONSULT BMCE, PRIOR TO COMMENCING CONSTRUCTION, SO THAT AN APPROPRIATE DESIGN AMENDMENT CAN BE MADE IF NECESSARY.

CIVIL LEGEND

NEW FOUL MANHOLE	F
NEW FOUL PIPE	PIPE DESCRIPTION
NEW SURFACE WATER MANHOLE	S
NEW SURFACE WATER PIPE	PIPE DESCRIPTION
FOUL INSPECTION CHAMBER	IC
SURFACE ACCESS JUNCTION	AJ
RAINWATER PIPE	RWP
SOIL VENT PIPE	SVP
ROAD GULLEY	RG
BACK INLET GULLEY TRAP	BIGT
FOUL RODDING EYE	RE
SURFACE RODDING EYE	RE
GULLEY TRAP	GT
SITE BOUNDARY	
PROPOSED FILTER DRAIN	
PROPOSED DRAINAGE FOR COOKSTOWN ROAD	
PROPOSED LAND DRAIN	
FILTER DRAIN INSPECTION CHAMBER	IC

NEW SURFACE WATER MANHOLE

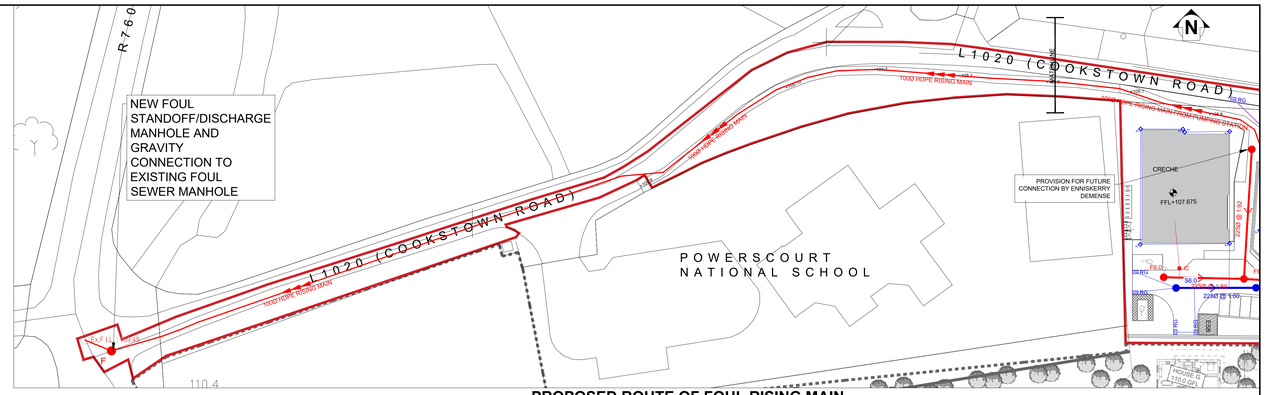
MANHOLE	COVER LEVEL	INVERT LEVEL	'E' EASTING	'N' NORTHING
S1.0	+108.77	OUT: +107.10	722616.8288	716680.7119
S1.1	+108.28	IN FROM S1.0: +106.78 OUT: +106.78	722648.6840	716682.8162
S1.2	+107.74	IN FROM S1.1: +106.25 OUT: +106.25	722700.6119	716692.9070
S1.3	+107.44	IN FROM S1.2: +106.00 IN FROM S2.1: +106.06 OUT: +105.87	722724.1430	716702.0735
S1.4	+107.78	IN FROM S1.3: +105.71 OUT: +105.71	722715.1161	716724.8076
S1.5	+107.63	IN FROM S1.4: +105.49 OUT: +105.49	722712.5113	716746.4853
S1.6	+107.55	IN FROM S1.5: +105.37 OUT: +105.36	722711.5590	716764.3820
S1.7	+107.45	IN FROM S1.6: +105.29 IN FROM S3.1: +105.46 OUT: +105.23 OUT: +105.93	722709.7729	716774.8810
S1.8	+107.18	IN FROM S1.7: +105.13 OUT: +105.13	722707.7706	716788.9798
S1.9	+107.00	IN FROM S1.8: +104.92 OUT: +104.62	722705.7042	716801.6408
S1.10	+106.00	IN FROM S1.9: +103.91 IN FROM S5.3: +104.42 OUT: +103.65	722694.3096	716842.4467
S1.11	+105.48	IN FROM S1.10: +103.43 OUT: +103.00	722690.0556	716855.0719
S1.12	+104.57	IN FROM S1.11: +102.81 OUT: +102.29	722680.2930	716871.2525
S1.13	+104.27	IN FROM S1.12: +102.18 OUT: +102.00 OUT: +102.80	722675.0321	716880.7920
S1.14	+103.73	IN FROM S1.13: +101.86 OUT: +101.86	722686.7061	716889.0202
S1.15	+103.17	IN FROM S1.14: +101.01 IN FROM S7.4: +101.03 OUT: +100.80	722735.8041	716900.9505
S1.16	+102.99	IN FROM S1.15: +100.68 OUT: +100.68	722734.4101	716908.6385
S2.0	+109.60	OUT: +107.48	722805.8626	716733.0292
S2.1	+108.50	IN FROM S2.0: +106.85 OUT: +106.30	722746.4964	716711.3612
S3.0	+108.08	IN FROM S3.1: +106.50	722797.4718	716806.0147
S3.1	+108.25	OUT: +106.39 OUT: +106.31	722780.7575	716801.9660
S4.0	+110.21	OUT: +108.20	722600.1646	716748.5526
S4.1	+109.09	IN FROM S4.0: +107.91 OUT: +107.30	722628.1254	716755.2983
S4.2	+108.45	IN FROM S4.1: +107.20 IN FROM S4.3: +106.40	722643.1824	716754.8395
S4.3	+107.36	IN FROM S4.4: +106.08 OUT: +106.08	722688.9824	716766.2822
S4.4	+107.31	IN FROM S1.7: +106.00 OUT: +106.00	722699.3947	716772.3844
S5.0	+111.05	OUT: +108.85	722582.6522	716801.8214
S5.1	+110.22	IN FROM S5.0: +108.69 OUT: +107.73	722598.1647	716806.9141
S5.2	+108.95	IN FROM S5.1: +107.49 OUT: +106.30	722616.5327	716822.0383
S5.3	+107.38	IN FROM S5.2: +105.98 OUT: +104.90	722647.5054	716830.6287
S6.0	+107.42	OUT: +106.31	722560.8546	716895.6933
S6.1	+107.06	IN FROM S6.0: +106.00 OUT: +105.72	722579.3085	716895.7368
S6.2	+106.36	IN FROM S6.1: +105.49 OUT: +104.21	722613.4559	716892.9051
S6.3	+105.76	IN FROM S6.2: +104.04 OUT: +104.04	722638.6063	716889.9147
S6.4	+105.49	IN FROM S6.3: +103.93 IN FROM S8.5: +103.55 IN FROM S8.0: +103.86	722642.5604	716873.7039
S6.5	+104.79	IN FROM S1.13: +102.95 OUT: +103.37	722660.4107	716877.2183
S7.0	+108.01	OUT: +105.58	722778.5540	716809.8263
S7.1	+106.58	IN FROM S7.0: +105.11 OUT: +103.65	722771.0171	716836.9419
S7.2	+104.20	IN FROM S7.1: +102.91 OUT: +101.82	722770.3444	716881.1490
S7.3	+102.95	IN FROM S7.2: +101.38 OUT: +101.38	722765.3360	716907.1568
S7.4	+103.38	IN FROM S7.3: +101.14 OUT: +101.14	722746.9962	716903.3711
S8.0	+106.58	OUT: +104.26	722619.2089	716867.4465

NEW FOUL DRAINAGE MANHOLE

MANHOLE	COVER LEVEL	INVERT LEVEL	'E' EASTING	'N' NORTHING
F1.0	+108.73	OUT: +107.38	722619.6661	716682.7527
F1.1	+108.30	IN FROM F1.0: +106.86 OUT: +106.86	722650.6594	716685.6850
F1.2	+107.71	IN FROM F1.1: +105.96 OUT: +105.63	722703.7291	716696.2446
F1.4	+107.78	IN FROM : +104.94 OUT: +104.86	722716.3696	716728.1462
F1.5	+107.59	IN FROM F1.4: +104.63 OUT: +104.63	722714.6901	716751.4941
F1.6	+107.36	IN FROM F1.5: +104.45 IN FROM F3.1: +104.91 IN FROM F4.4: +104.56 OUT: +104.45	722712.3645	716778.2252
F1.7	+106.96	IN FROM F1.6: +104.27 OUT: +104.27	722707.6216	716803.9747
F1.8	+106.00	IN FROM F1.7: +103.98 IN FROM F5.3: +104.62 OUT: +103.98	722695.7467	716845.7204
F1.9	+105.62	IN FROM F1.8: +103.93 OUT: +101.46	722693.1645	716853.7907
F1.10	+104.26	IN FROM F1.9: +101.22 OUT: +101.22 OUT: +102.50	722675.4189	716885.1794
F1.11	+103.09	IN FROM F1.10: +100.84 OUT: +100.84	722731.7735	716897.9376
F1.12	+103.38	IN FROM F1.11: +100.71 IN FROM F7.3: +100.54 OUT: +100.48	722749.6839	716901.9579
F1.13	+103.18	IN FROM F1.12: +100.42 OUT: +100.42	722746.7151	716911.4524
F1.14	+103.03	IN FROM F1.13: +100.37 IN FROM F8.1: +99.63 OUT: +98.49	722745.3273	716917.6199
F2.0	+109.65	OUT: +107.78	722807.1774	716735.7892
F2.1	+108.46	IN FROM F2.0: +106.60 OUT: +106.28	722743.9649	716712.8869
F3.0	+108.14	OUT: +106.79	722793.8046	716803.0715
F3.1	+107.34	IN FROM F3.0: +105.54 OUT: +105.09	722722.9471	716778.1780
F4.0	+110.25	OUT: +107.28	722598.1817	716751.0904
F4.1	+109.16	IN FROM F4.0: +106.80 OUT: +106.80	722626.5460	716757.5468
F4.2	+108.56	IN FROM F4.1: +106.55 OUT: +106.55	722641.3911	716756.9251
F4.3	+107.39	IN FROM F4.2: +105.76 OUT: +105.76	722687.4688	716768.3509
F4.4	+107.30	IN FROM F4.3: +105.54 OUT: +104.79	722698.8299	716774.8191
F5.0	+110.99	OUT: +108.60	722583.4027	716804.8486
F5.1	+110.15	IN FROM F5.0: +108.34 OUT: +107.78	722598.2082	716809.3331
F5.2	+108.83	IN FROM F5.1: +107.36 OUT: +106.55	722617.4595	716825.1264
F5.3	+107.49	IN FROM F5.2: +106.11 OUT: +105.53	722643.1042	716831.6393
F6.0	+107.44	OUT: +105.50	722558.0115	716898.1562
F6.1	+107.09	IN FROM F9.0: +104.55 IN FROM F6.0: +105.27 OUT: +104.55	722576.5130	716897.7848
F6.2	+106.37	IN FROM F6.1: +104.19 OUT: +103.50	722612.8702	716895.4141
F6.3	+104.66	IN FROM F6.2: +103.22 OUT: +102.99	722640.8450	716892.5082
F6.4	+105.40	IN FROM F10.0: +103.22 IN FROM F6.3: +102.82 OUT: +102.82	722644.4651	716876.2647
F6.5	+104.80	IN FROM F6.4: +102.67 IN FROM F1.10: +102.67	722659.2129	716879.1875
F7.0	+108.10	OUT: +105.80	722781.2391	716807.7358
F7.1	+106.73	IN FROM F7.0: +105.32 OUT: +103.20	722773.3936	716835.2550
F7.2	+104.06	IN FROM F7.1: +102.59 OUT: +101.38	722772.2459	716883.7926
F7.3	+102.90	IN FROM F7.2: +101.10 OUT: +100.73	722768.0977	716905.4450
F8.0	+101.93	OUT: +99.79	722734.7409	716929.5227
F8.1	+102.00	IN FROM F8.0: +99.71 OUT: +99.70	722734.6135	716917.4955
F9.0	+106.30	OUT: +104.88	722578.3411	716927.6860
F10.0	+106.58	OUT: +103.70	722616.6267	716868.7342

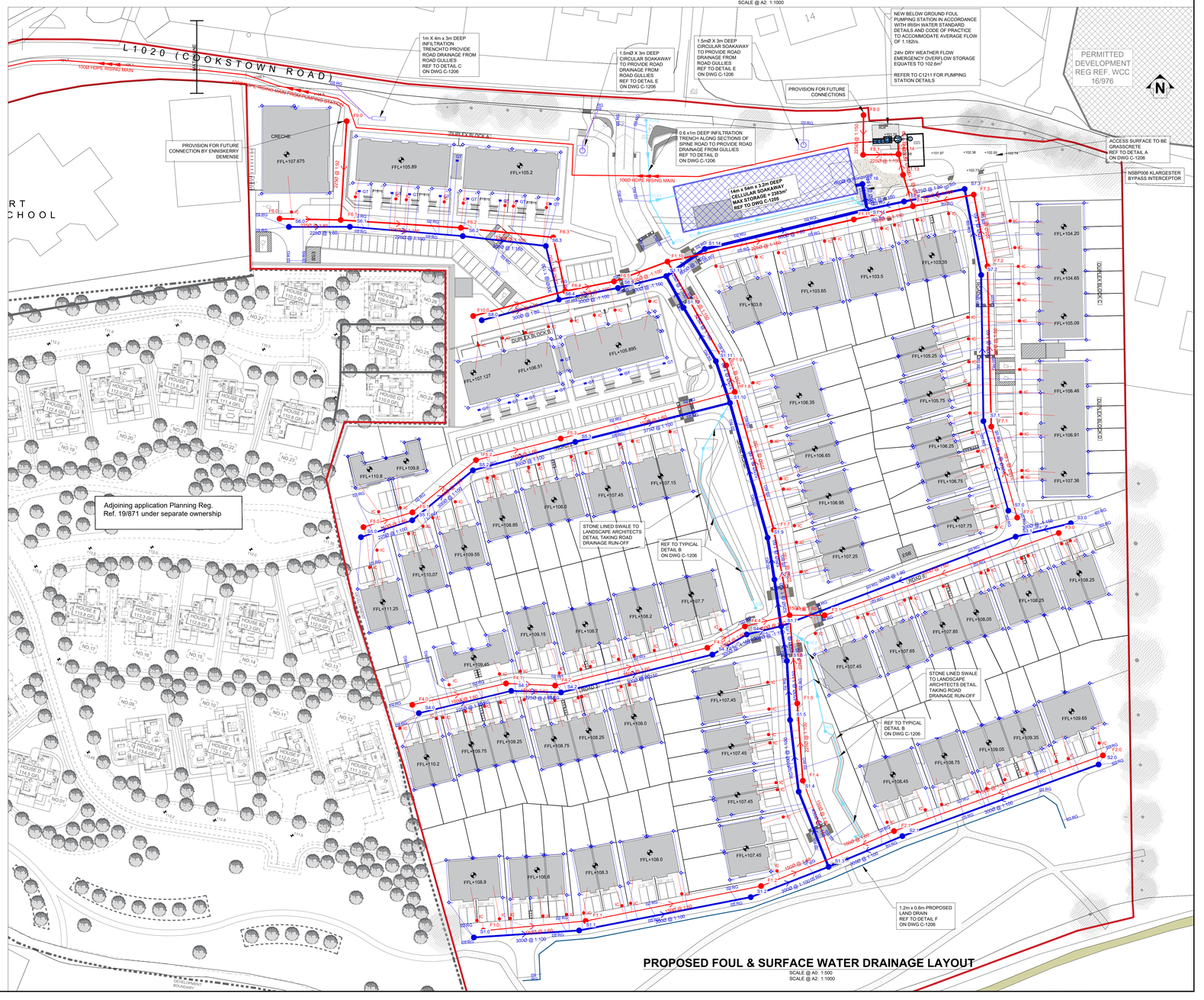
PROPOSED ROUTE OF FOUL RISING MAIN

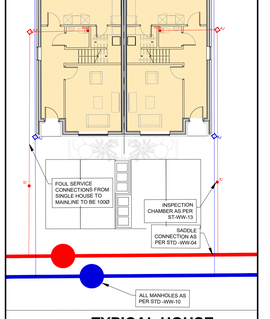
SCALE @ A0: 1:500
SCALE @ A2: 1:1000



PROPOSED FOUL & SURFACE WATER DRAINAGE LAYOUT

SCALE @ A0: 1:500
SCALE @ A2: 1:1000





TYPICAL HOUSE DRAINAGE LAYOUT

SCALE: A0 1:150
SCALE: A2 1:300

ISSUE	DATE	DESCRIPTION	ORIG	CHK
PL2	05.03.21	ISSUED FOR PLANNING	MARK	TMH
PL1	25.09.20	ISSUED FOR SuDS AUDIT	MARK	TMH

DRAWING STAGE: **PLANNING**

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PROJECT TITLE: **COOKSTOWN ROAD, ENNISKERRY, CO. WICKLOW**

BM PROJECT No.: **18243**

MODEL REFERENCE: **18243-BMD-00-ZZ-M3-C-1020**

MODEL REV: **P1** SUITABILITY: **S0**

DRAWING TITLE: **PROPOSED FOUL & SURFACE WATER DRAINAGE LAYOUT**

DRAWING No.: **18243-BMD-00-ZZ-DR-C-1020**

ISSUE: **PL2**