STRUCTURE LIST-Network Foul 1			
STRUCTURE NAME	COVER LEVEL	INVERT LEVEL STRUCTURE DEPTH	INVERT ELEVATION
EX F MH1	99.510	97.490 2.020	1.010-INV IN 97.490
F MH1	102.902	101.550 1.352	1.000-INV OUT 101.550
F MH2	103.217	101.316 1.901	1.000-INV IN 101.356 2.000-INV IN 101.771 1.001-INV OUT 101.316
F MH3	103.237	100.943 2.294	1.001-INV IN 100.943 3.000-INV IN 100.943 1.002-INV OUT 100.983
F MH4	103.308	100.858 2.450	1.002-INV IN 100.898 1.003-INV OUT 100.858
F MH5	102.172	100.550 1.622	1.003-INV IN 100.550 1.004-INV OUT 100.550
F MH6	101.374	98.891 2.482	1.004-INV IN 99.585 4.002-INV IN 98.891 1.005-INV OUT 98.891
F MH7	101.477	98.679 2.798	1.005-INV IN 98.679 5.003-INV IN 99.499 1.006-INV OUT 98.679
F MH8	100.647	98.503 2.144	1.006-INV IN 98.503 1.007-INV OUT 98.503
F MH9	99.801	98.068 1.733	1.007-INV IN 98.373 6.000-INV IN 98.329 1.008-INV OUT 98.068
F MH10	98.840	97.677 1.163	1.008-INV IN 97.742 7.000-INV IN 97.677 1.009-INV OUT 97.742
F MH11	99.532	97.547 1.986	1.009-INV IN 97.547 1.010-INV OUT 97.547
F MH12	102.812	101.136 1.676	3.000-INV OUT 101.136
F MH13	101.612	100.547 1.066	5.000-INV OUT 100.547
F MH14	102.084	100.359 1.725	5.000-INV IN 100.399 5.001-INV OUT 100.359
F MH15	101.691	100.023 1.668	5.001-INV IN 100.023 5.002-INV OUT 100.023
F MH16	101.699	99.764 1.935	5.002-INV IN 99.764 5.003-INV OUT 99.764
F MH17	101.262	99.855 1.406	4.000-INV OUT 99.855
F MH18	101.329	99.368 1.961	4.000-INV IN 99.368 4.001-INV OUT 99.368
F MH19	101.815	99.121 2.694	4.001-INV IN 99.121 4.002-INV OUT 99.121

STRUCTURE LIST-Network Foul 1			
STRUCTURE NAME	COVER LEVEL	INVERT LEVEL STRUCTURE DEPTH	INVERT ELEVATION
F MH20	103.330	101.884 1.447	2.000-INV OUT 101.884
F MH47	99.402	98.006 1.395	7.000-INV OUT 98.006
F MH48	100.077	98.476 1.601	6.000-INV OUT 98.476

STRUCTURE LIST-Network Foul 2			
STRUCTURE NAME	COVER LEVEL	INVERT LEVEL STRUCTURE DEPTH	INVERT ELEVATION
F MH21	102.513	100.930 1.584	1.000-INV OUT 100.930
F MH22	99.681	97.663 2.018	1.000-INV IN 97.663 1.001-INV OUT 97.663
F MH23	98.491	97.142 1.350	1.001-INV IN 97.142 2.000-INV IN 97.142 1.002-INV OUT 97.142
F MH24	97.747	96.840 0.907	1.002-INV IN 96.840 1.003-INV OUT 96.851
F MH25	97.202	96.537 0.665	1.003-INV IN 96.537 3.000-INV IN 96.537 1.004-INV OUT 96.537
F MH26	97.008	96.235 0.773	1.004-INV IN 96.235 1.005-INV OUT 96.235
F MH27	99.787	98.232 1.555	4.000-INV OUT 98.232
F MH28	100.049	97.899 2.150	4.000-INV IN 97.899 5.001-INV IN 98.333 4.001-INV OUT 97.899
F MH29	99.465	97.616 1.850	4.001-INV IN 97.616 4.002-INV OUT 97.616
F MH30	99.843	97.318 2.525	4.002-INV IN 97.318 4.003-INV OUT 97.318
F MH31	98.279	96.652 1.627	7.002-INV IN 96.652 4.003-INV IN 96.652 4.004-INV OUT 96.652
F MH32	97.667	96.156 1.512	4.004-INV IN 96.156 4.005-INV OUT 96.156
F MH33	97.412	96.025 1.386	4.005-INV IN 96.025 4.006-INV OUT 96.025
F MH34	97.055	95.849 1.206	1.005-INV IN 95.849 4.006-INV IN 95.849 1.006-INV OUT 95.849
F MH35	96.592	95.694 0.898	1.006-INV IN 95.697 1.007-INV OUT 95.697
F MH36	98.720	97.336 1.384	2.000-INV OUT 97.336
F MH37	98.241	96.691 1.550	3.000-INV OUT 96.691
F MH38	101.292	99.350 1.942	7.000-INV OUT 99.350
F MH39	99.750	97.837 1.913	7.000-INV IN 97.837 7.001-INV OUT 97.837
F MH40	99.132	97.189 1.942	7.001-INV IN 97.189 8.000-INV IN 97.441 7.002-INV OUT 97.189

STRUCTURE LIST-Network Foul 2			
STRUCTURE NAME	COVER LEVEL	INVERT LEVEL STRUCTURE DEPTH	INVERT ELEVATION
F MH41	102.446	100.783 1.663	5.000-INV OUT 100.783
F MH42	101.175	99.535 1.640	8.000-INV OUT 99.535
F MH43	95.857	95.353 0.504	1.007-INV IN 95.353 1.008-INV OUT 95.353
F MH44	95.734	95.097 0.638	1.008-INV IN 95.097 1.009-INV OUT 95.097
F MH45	96.013	94.800 1.213	1.009-INV IN 94.800 1.010-INV OUT 94.817
F MH46	190.980	93.760 1.730	1.010-INV IN 94.580
F MH49	102.257	100.657 1.600	6.000-INV OUT 100.657
F MH50	101.906	100.231 1.675	5.000-INV IN 100.231 6.000-INV IN 100.529 5.001-INV OUT 100.231

STRUCTURE LIST-Network Foul 600mm Diversion			
STRUCTURE NAME	COVER LEVEL	INVERT LEVEL STRUCTURE DEPTH	INVERT ELEVATION
600 MH1	99.406	95.542 3.864	P1-INV OUT 95.542
600 MH2	98.786	95.429 3.357	P1-INV IN 95.429 P2-INV OUT 95.429
600 MH3	99.563	95.325 4.238	P2-INV IN 95.325 P3-INV OUT 95.325
600 MH4	100.041	95.144 4.897	P3-INV IN 95.144 P4-INV OUT 95.144
600 MH5	99.464	94.960 4.504	P4-INV IN 94.960 P5-INV OUT 94.960
600 MH6	99.771	94.833 4.938	P5-INV IN 94.833 P6-INV OUT 94.833
600 MH7	97.694	94.662 3.031	P6-INV IN 94.662 P7-INV OUT 94.662
600 MH8	96.659	94.610 2.049	P7-INV IN 94.610

FOUL NETWORK STRUCTURE DATA TABLES

STRUCTURE LIST-Network Surface Water 1			
STRUCTURE NAME	COVER LEVEL	INVERT LEVEL STRUCTURE DEPTH	INVERT ELEVATION
S MH1	102.900	101.771 1.129	1.000-INV OUT 101.771
S MH2	103.255	101.313 1.942	1.000-INV IN 101.590 2.000-INV IN 101.637 1.001-INV OUT 101.313
S MH3	103.254	100.942 2.312	1.001-INV IN 100.942 1.002-INV OUT 100.942
S MH4	102.202	100.353 1.849	1.002-INV IN 100.666 1.003-INV OUT 100.353
S MH5	100.428	99.103 1.325	1.003-INV IN 99.103 1.004-INV OUT 99.103
S MH6	100.341	99.078 1.263	1.004-INV IN 99.078 1.005-INV OUT 99.078
S MH7	103.342	101.913 1.429	2.000-INV OUT 101.913
S SOAKAWAY 1	100.297	99.066 1.232	1.005-INV IN 99.066

STRUCTURE LIST-Network Surface Water 2			
STRUCTURE NAME	COVER LEVEL	INVERT LEVEL STRUCTURE DEPTH	INVERT ELEVATION
S MH8	101.516	100.086 1.429	1.000-INV OUT 100.086
S MH9	101.714	99.884 1.830	1.000-INV IN 99.884 1.001-INV OUT 99.884
S MH10	101.573	99.603 1.970	1.001-INV IN 99.603 2.002-INV IN 99.603 1.002-INV OUT 99.603
S MH11	101.471	99.573 1.899	1.002-INV IN 99.573 1.003-INV OUT 99.573
S MH12	101.265	100.143 1.122	2.000-INV OUT 100.143
S MH13	101.441	99.935 1.506	2.000-INV IN 99.935 2.001-INV OUT 99.935
S MH14	101.408	99.682 1.726	2.001-INV IN 99.682 2.002-INV OUT 99.682
S SOAKAWAY 2	101.470	99.557 1.912	1.003-INV IN 99.557

STRUCTURE LIST-Network Surface Water 3			
STRUCTURE NAME	COVER LEVEL	INVERT LEVEL STRUCTURE DEPTH	INVERT ELEVATION
S MH15	100.108	98.680 1.428	2.000-INV OUT 98.680
S MH16	99.697	98.155 1.542	2.000-INV IN 98.349 1.000-INV IN 98.155 1.001-INV OUT 98.155
S MH17	98.965	97.326 1.639	1.001-INV IN 97.326 1.002-INV OUT 97.326
S MH18	98.880	97.291 1.590	1.002-INV IN 97.291 1.003-INV OUT 97.291
S MH19	101.807	100.354 1.453	1.000-INV OUT 100.354
S SOAKAWAY 3	98.794	97.269 1.525	1.003-INV IN 97.269

STRUCTURE LIST-Network Surface Water 4			
STRUCTURE NAME	COVER LEVEL	INVERT LEVEL STRUCTURE DEPTH	INVERT ELEVATION
S MH20	98.616	97.183 1.433	1.000-INV OUT 97.183
S MH21	98.220	96.836 1.384	1.000-INV IN 96.836 2.000-INV IN 96.836 1.001-INV OUT 96.836
S MH22	97.583	95.996 1.587	1.001-INV IN 95.996 1.002-INV OUT 95.996
S MH23	97.031	95.685 1.346	1.002-INV IN 95.685 3.000-INV IN 95.900 1.003-INV OUT 95.685
S MH24	96.819	95.387 1.432	1.003-INV IN 95.387 4.000-INV IN 95.387 1.004-INV OUT 95.387
S MH25	97.096	95.303 1.793	1.004-INV IN 95.303 1.005-INV OUT 95.303
S MH26	98.660	97.059 1.600	2.000-INV OUT 97.059
S MH27	99.402	97.475 1.926	3.000-INV OUT 97.475
S MH28	97.183	95.708 1.475	4.000-INV OUT 95.708
S SOAKAWAY 4	97.085	95.293 1.792	1.005-INV IN 95.293

STRUCTURE LIST-Network Surface Water 5			
STRUCTURE NAME	COVER LEVEL	INVERT LEVEL STRUCTURE DEPTH	INVERT ELEVATION
S MH29	101.344	99.923 1.421	1.000-INV OUT 99.923
S MH30	102.114	99.737 2.377	1.000-INV IN 99.737 1.001-INV OUT 99.737
S MH31	101.706	99.395 2.311	1.001-INV IN 99.395 2.000-INV IN 99.713 1.002-INV OUT 99.395
S MH32	101.694	99.325 2.369	1.002-INV IN 99.325 1.003-INV OUT 99.325
S MH33	101.354	99.899 1.455	2.000-INV OUT 99.899
S SOAKAWAY 5	101.699	99.313 2.386	1.003-INV IN 99.313

STRUCTURE LIST-Network Surface Water 6			
STRUCTURE NAME	COVER LEVEL	INVERT LEVEL STRUCTURE DEPTH	INVERT ELEVATION
S MH34	101.172	99.736 1.435	1.000-INV OUT 99.736
S MH35	99.508	98.117 1.391	1.000-INV IN 98.117 1.001-INV OUT 98.117
S SOAKAWAY 6	99.671	98.095 1.576	1.001-INV IN 98.095

STRUCTURE LIST-Network Surface Water 7			
STRUCTURE NAME	COVER LEVEL	INVERT LEVEL STRUCTURE DEPTH	INVERT ELEVATION
S MH36	99.663	98.233 1.431	1.000-INV OUT 98.233
S MH37	99.037	97.628 1.409	1.000-INV IN 97.628 2.000-INV IN 97.628 1.001-INV OUT 97.628
S MH38	98.856	97.066 1.790	1.001-INV IN 97.526 3.000-INV IN 97.066 1.002-INV OUT 97.066
S MH39	98.915	97.023 1.892	1.002-INV IN 97.023 1.003-INV OUT 97.023
S MH40	100.829	98.828 2.001	2.000-INV OUT 98.828
S MH41	98.463	97.263 1.200	3.000-INV OUT 97.263
S SOAKAWAY 7	99.016	96.997 2.019	1.003-INV IN 96.997

STRUCTURE LIST-Network Surface Water 8			
STRUCTURE NAME	COVER LEVEL	INVERT LEVEL STRUCTURE DEPTH	INVERT ELEVATION
S MH42	99.964	98.610 1.354	1.000-INV OUT 98.610
S MH43	99.880	97.313 2.567	1.000-INV IN 97.313 1.001-INV OUT 97.313
S MH44	98.323	96.346 1.977	1.001-INV IN 96.346 1.002-INV OUT 96.346
S MH45	97.600	95.892 1.708	1.002-INV IN 95.892 1.003-INV OUT 95.892
S MH46	97.064	95.625 1.438	1.003-INV IN 95.625 1.004-INV OUT 95.625
S MH47	96.430	94.913 1.518	1.004-INV IN 94.913 1.005-INV OUT 94.913
S SOAKAWAY 8	96.396	94.870 1.526	1.005-INV IN 94.870

SURFACE WATER NETWORK STRUCTURE DATA TABLES

QUALITY
I.S. EN ISO 9001:2008
NSAI Certified

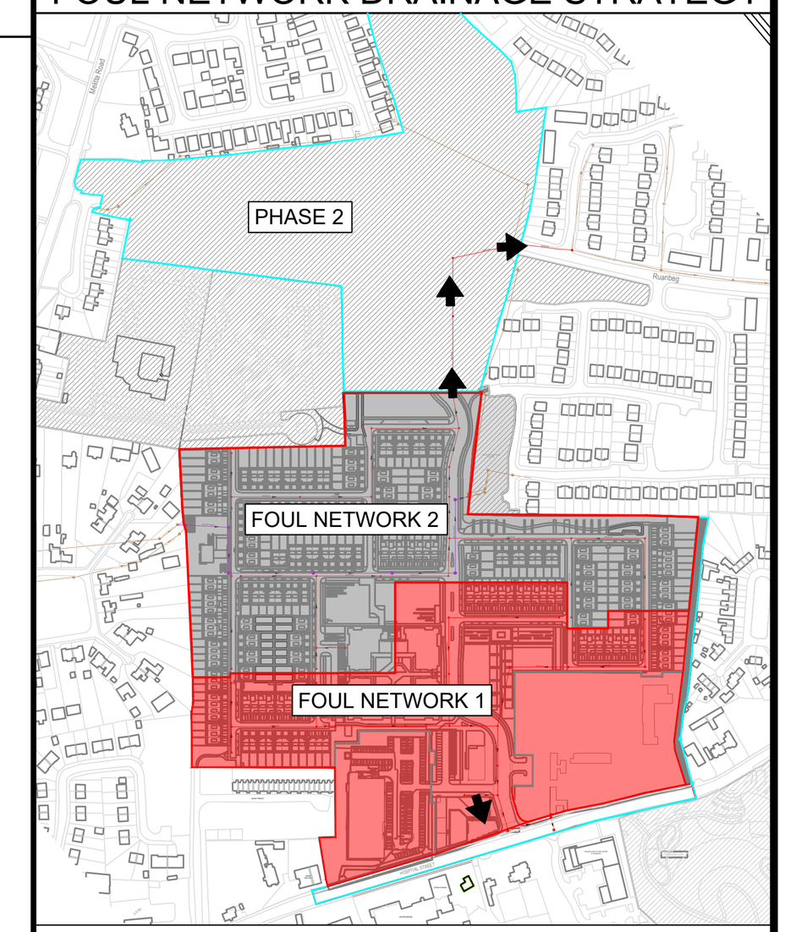
NOTES

1. REFER TO DRAWING R1831 - 1001 FOR PHASE 1 FOUL NETWORK LAYOUT AND R1831-1002 FOR PHASE 1 SURFACE WATER NETWORK LAYOUT.
2. ALL EXISTING MANHOLE COVERS & ROOFS TO BE ADJUSTED TO SUIT NEW GROUND LEVELS.
3. RECESSED MANHOLES TO BE USED IN ALL AREAS WITH PAVIORS.
4. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE ARCHITECTS DRAWINGS AND SPECIFICATIONS.
5. ALL SURFACE WATER & FOUL SEWERS WITHIN 1200mm OF FINISHED GROUND LEVEL TO BE ENCASED IN MINIMUM 150mm 20N10 CONCRETE.
6. ALL WORKS TO BE IN COMPLIANCE WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE AND WASTEWATER INFRASTRUCTURE STANDARD DETAILS.

LEGEND

ABBREVIATIONS USED IN TABLES	
	1.001 - INV IN (PIPE REF NO.) - (INVERT IN)
	1.001 - INV OUT (PIPE REF NO.) - (INVERT OUT)

FOUL NETWORK DRAINAGE STRATEGY



REV.	DATE	DESCRIPTION	DWG BY	APP. CHK

CLIENT:
BALLYMOUNT PROPERTIES LTD.

ARCHITECT:
RKD ARCHITECTS
59 NORTHUMBERLAND ROAD
DUBLIN 4

GARLAND
DUBLIN LIMERICK WATERFORD INTERNATIONAL
E: info@garlandconsultancy.com W: www.garlandconsultancy.com

PROJECT:
RESIDENTIAL AND NEIGHBOURHOOD CENTRE DEVELOPMENT (PHASE 1) AT FORMER MAGEE BARRACKS

TITLE:
PHASE 1
FOUL AND SURFACE WATER
STRUCTURE DATA TABLES

STATUS:
PLANNING APPLICATION

DRAWN: SL	DES. BY: BM
CHK. BY: BM	APP. BY: CR
DATE: 17/04/19	JOB No. R1831
A0 SCALE: N.T.S	
DRG. No. 1014	REV. 1st