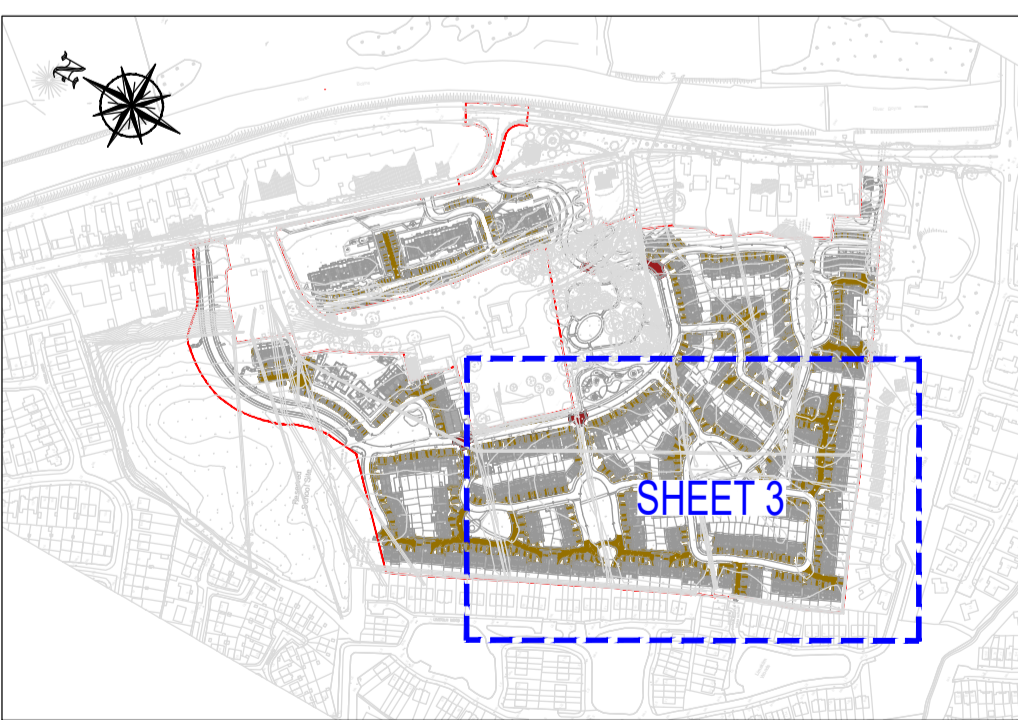


LEGEND:

EXISTING FOUL SEWER	● EX. FMH
EXISTING SURFACE WATER SEWER	● EX. SWMH
PROPOSED FOUL SEWER	● FMH1
PROPOSED SURFACE WATER SEWER	● SWMH1
PROPOSED LAND DRAIN	— LD
PROPOSED ROAD GULLY	— RG
PROPOSED LATERAL INLET KERB DETAIL	— LK
PROPOSED FOUL INSPECTION CHAMBER	— FIC
PROPOSED SURFACE WATER INSPECTION CHAMBER	— SIC
PROPOSED FOUL ARMSTRONG JUNCTION	— FAJ
PROPOSED SURFACE WATER ARMSTRONG JUNCTION	— SAJ
PROPOSED PERMEABLE PAVING	— PP
EXISTING GROUND LEVEL	× 12.000m (EX.)
PROPOSED DRY SWALE	— DS
RED LINE BOUNDARY	— RL

PIPE MATERIALS
 100mm to 300mm PIPES TO BE uPVC TO IS EN 1401 'U'
 375mm to 600mm PIPES TO BE CONCRETE TO IS EN 1916



PLAN:
SCALE: 1:500

- NOTES:**
- ALL LEVELS ARE TO MAIN HEAD ORDNANCE DATUM.
 - REFER TO DRAWING D061-016 FOR MANHOLE DETAILS.
 - REFER TO DRAWING D061-017 FOR PIPE BEDDING DETAILS.
 - ALL WORKS IN CONFINED SPACES SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE PROVISIONS ON "SAFE WORK" IN CONFINED SPACES CODE OF PRACTICE FOR WORKING IN CONFINED SPACES, PUBLISHED BY THE HEALTH & SAFETY AUTHORITY.
 - ALL SITE DEVELOPMENT WORKS SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE CONSTRUCTION DRAWINGS.
 - ALL DRAINAGE WORKS SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY. THE PUBLICATIONS SERIES 500, THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS AND THE IRISH WATER CODE OF PRACTICE AND STANDARD DETAILS.
 - THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTATION, INCLUDING DRAWINGS AND SPECIFICATIONS.
 - THE CONTRACTOR IS SOLELY RESPONSIBLE FOR LOCATING, PROTECTING AND MAINTAINING ALL EXISTING SERVICES WITHIN THE SITE BOUNDARY AND IN THE AREAS AFFECTED BY THE WORKS. THE CONTRACTOR HAS PROVIDED INFORMATION ON KNOWN SERVICES BUT GIVES NO GUARANTEE THAT THIS INFORMATION PROVIDED BY THE THIRD PARTIES, IS CORRECT OR THAT THESE ARE THE ONLY SERVICES ON THE SITE.
 - SUITABLE SHORT LENGTHS OF PIPE OR ROCKER PIPES SHALL BE INSTALLED TO PROVIDE A FLEXIBLE JOINT WITHIN 100MM OF THE OUTER FACE OF THE MANHOLE ON ALL SEWERS AND BRANCHES.
 - WHERE ROCK IS MET IN TRENCHES IT SHALL BE EXCAVATED AND TRIMMED TO 300MM BELOW THE UNDERSIDE OF PIPELINE.
 - GRANULAR MATERIAL SMM - 20MM NOMINAL SIZE GRADED AGGREGATE (TO COMPLY WITH TABLE 1 OF BS) TO BE USED FOR BEDDING, HAUNCHING AND SURROUND TO PIPES WHERE SPECIFIED.
 - CONCRETE MIX C16/20 TO BE USED FOR BEDDING, HAUNCHING AND SURROUND WHERE SPECIFIED.
 - WHERE RIGID PIPES WITH FLEXIBLE JOINTS ARE USED WITH CONCRETE BEDS FOR DRAINS AND WATERMANS, VERTICAL MOVEMENT JOINTS SHALL BE PROVIDED IN THE BEDS AT MAX INTERVALS OF 5.0M AND ALIGNED WITH FACE OF PIPE SOCKET. JOINTS TO BE MINIMUM 12M WIDE AND FILLED WITH FLEXCELL OR SIMILAR APPROVED MATERIAL.
 - SURFACE WATER AND FOUL DRAINS SHALL BE SURROUNDED BY 150 THICKNESS OF C16/20 CONCRETE IF COVER TO PIPE IS LESS THAN:
 - 1.2M IN ROADS AND DRIVEWAYS
 - 0.9M IN OPEN SPACES AND PATHS NOT NEAR CARRIAGEWAYS.
 - ALL PIPE RUNS SHALL BE LAID IN STRAIGHT LINES BOTH VERTICALLY AND HORIZONTALLY TO THE SPECIFIED GRADIENTS BETWEEN MANHOLES. NO DEVIATIONS OR BENDS SHALL BE PERMITTED.
 - REFER TO "THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS" FOR DETAILS OF SURFACE WATER MANHOLE STANDARDS AND IRISH WATER CODE OF PRACTICE AND STANDARD DETAILS FOR DETAILS OF FOUL MANHOLE STANDARDS.
 - THE CONTRACTOR SHALL CARRY OUT A CCTV SURVEY REPORT OF THE COMPLETED STORM & FOUL NETWORK TO THE SATISFACTION OF THE LOCAL AUTHORITY AND REPORT TO BE ISSUED ON PRACTICAL COMPLETION.
 - THE LOCAL AUTHORITY MUST BE NOTIFIED AT LEAST 10 WORKING DAYS IN ADVANCE OF COMMENCEMENT OF WORKS.
 - PRIOR TO COMMENCEMENT OF CONSTRUCTION OUTFALL LEVELS FOR THE FOUL AND SURFACE WATER MANHOLE SHALL BE VERIFIED ON SITE.
 - PROPOSED FOUL SEWERS WILL BE EITHER CONCRETE, THERMOSTATIC STRUCTURED WALL PIPES OR UNPLASTICISED PVC IN ACCORDANCE WITH SECTION 3.13 OF THE IRISH WATER WASTEWATER CODE OF PRACTICE. PROPOSED STORM DRAINS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF MEATH CO. CO.
 - TYPICAL SERVICE LAYOUT DISTANCES (HORIZONTAL AND VERTICAL) AS PER IRISH WATER DETAIL STD-WW-05
 - THE EXTERNAL FACE OF PROPOSED MANHOLE CHAMBERS IN PUBLIC ROADS WILL BE A MINIMUM OF 0.5M FROM THE PROPOSED PUBLIC ROAD KERB LINE IN ACCORDANCE WITH SECTION 1.23 OF THE IRISH WATER WASTEWATER CODE OF PRACTICE
 - INSPECTION CHAMBERS TO EACH HOUSE/JUNIT TO BE IN ACCORDANCE WITH IRISH WATER DETAIL STD-WW-02 AND STD-WW-03.
 - APPROPRIATE MEASURES ADHERING TO SECTION 3.21 OF THE IRISH WATER WASTEWATER CODE OF PRACTICE WILL BE PROVIDED TO PREVENT ANY DAMAGE TO INFRASTRUCTURE VIA ROOT INGRESS OR NEGATIVE IMPACTS TO PLANTING SUCH AS DAMAGE OF TREE ROOTS

SURFACE WATER PIPES			FOUL WATER PIPES		
PN	Slope (1:X)	CL (mm)	PN	Slope (1:X)	CL (mm)
2000	0.81	225	PL001	7.9	150
2001	100.0	225	PL002	7.9	150
2002	100.0	225	PL003	7.9	150
2003	100.0	225	PL004	7.9	150
2004	99.9	225	PL005	7.9	150
2005	100.0	225	PL006	7.9	150
2006	99.8	225	PL007	7.9	150
2007	100.0	225	PL008	7.9	150
2008	100.1	225	PL009	7.9	150
2009	99.8	225	PL010	7.9	150
2010	100.0	225	PL011	7.9	150
2011	100.0	225	PL012	7.9	150
2012	100.1	225	PL013	7.9	150
2013	99.8	225	PL014	7.9	150
2014	100.0	225	PL015	7.9	150
2015	100.0	225	PL016	7.9	150
2016	100.1	225	PL017	7.9	150
2017	99.8	225	PL018	7.9	150
2018	100.0	225	PL019	7.9	150
2019	100.0	225	PL020	7.9	150
2020	100.1	225	PL021	7.9	150
2021	99.8	225	PL022	7.9	150
2022	100.0	225	PL023	7.9	150
2023	100.0	225	PL024	7.9	150
2024	100.1	225	PL025	7.9	150
2025	99.8	225	PL026	7.9	150
2026	100.0	225	PL027	7.9	150
2027	100.0	225	PL028	7.9	150
2028	100.1	225	PL029	7.9	150
2029	99.8	225	PL030	7.9	150
2030	100.0	225	PL031	7.9	150
2031	100.0	225	PL032	7.9	150
2032	100.1	225	PL033	7.9	150
2033	99.8	225	PL034	7.9	150
2034	100.0	225	PL035	7.9	150
2035	100.0	225	PL036	7.9	150
2036	100.1	225	PL037	7.9	150
2037	99.8	225	PL038	7.9	150
2038	100.0	225	PL039	7.9	150
2039	100.0	225	PL040	7.9	150
2040	100.1	225	PL041	7.9	150
2041	99.8	225	PL042	7.9	150
2042	100.0	225	PL043	7.9	150
2043	100.0	225	PL044	7.9	150
2044	100.1	225	PL045	7.9	150
2045	99.8	225	PL046	7.9	150
2046	100.0	225	PL047	7.9	150
2047	100.0	225	PL048	7.9	150
2048	100.1	225	PL049	7.9	150
2049	99.8	225	PL050	7.9	150
2050	100.0	225	PL051	7.9	150
2051	100.0	225	PL052	7.9	150
2052	100.1	225	PL053	7.9	150
2053	99.8	225	PL054	7.9	150
2054	100.0	225	PL055	7.9	150
2055	100.0	225	PL056	7.9	150
2056	100.1	225	PL057	7.9	150
2057	99.8	225	PL058	7.9	150
2058	100.0	225	PL059	7.9	150
2059	100.0	225	PL060	7.9	150
2060	100.1	225	PL061	7.9	150
2061	99.8	225	PL062	7.9	150
2062	100.0	225	PL063	7.9	150
2063	100.0	225	PL064	7.9	150
2064	100.1	225	PL065	7.9	150
2065	99.8	225	PL066	7.9	150
2066	100.0	225	PL067	7.9	150
2067	100.0	225	PL068	7.9	150
2068	100.1	225	PL069	7.9	150
2069	99.8	225	PL070	7.9	150
2070	100.0	225	PL071	7.9	150
2071	100.0	225	PL072	7.9	150
2072	100.1	225	PL073	7.9	150
2073	99.8	225	PL074	7.9	150
2074	100.0	225	PL075	7.9	150
2075	100.0	225	PL076	7.9	150
2076	100.1	225	PL077	7.9	150
2077	99.8	225	PL078	7.9	150
2078	100.0	225	PL079	7.9	150
2079	100.0	225	PL080	7.9	150
2080	100.1	225	PL081	7.9	150
2081	99.8	225	PL082	7.9	150
2082	100.0	225	PL083	7.9	150
2083	100.0	225	PL084	7.9	150
2084	100.1	225	PL085	7.9	150
2085	99.8	225	PL086	7.9	150
2086	100.0	225	PL087	7.9	150
2087	100.0	225	PL088	7.9	150
2088	100.1	225	PL089	7.9	150
2089	99.8	225	PL090	7.9	150
2090	100.0	225	PL091	7.9	150
2091	100.0	225	PL092	7.9	150
2092	100.1	225	PL093	7.9	150
2093	99.8	225	PL094	7.9	150
2094	100.0	225	PL095	7.9	150
2095	100.0	225	PL096	7.9	150
2096	100.1	225	PL097	7.9	150
2097	99.8	225	PL098	7.9	150
2098	100.0	225	PL099	7.9	150
2099	100.0	225	PL100	7.9	150

NOTE:
 FOR DRAINAGE STANDARD DETAILS REFER TO DRAWINGS D061-016, D061-017, D061-018
 FOR ATTENUATION TANK DETAIL REFER TO DRAWING D061-019

PLANNING DRAWING
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NOTES

- For setting out refer to Architect's drawings.
- This drawing to be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications.
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Rev.	Date	REVISION NOTE	Drn. By	Chkd. By
A	01.10.2019	ARCHITECT'S LAYOUT REVISED	JS	NB
B	01.11.2019	ISSUED TO IRISH WATER	DD	RFM
C	05.11.2019	REVISED FOLLOWING COMMENTS FROM IRISH WATER	DD	RFM
D	15.11.2019	ISSUED FOR PLANNING	DD	RFM

Architect	Conroy Crowe Kelly	
Project	Belmont	
Title	Drainage Layout Sheet 3 of 4	
Drn. by	Chkd. by	Appr. by
JC	NB	NB
Date	Scale	Dwg. No.
Mar 2019	1:500 @ A1	D061/014
Revision	D	

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 IS EN ISO 50001:2011
 OHSAS 18001:2007