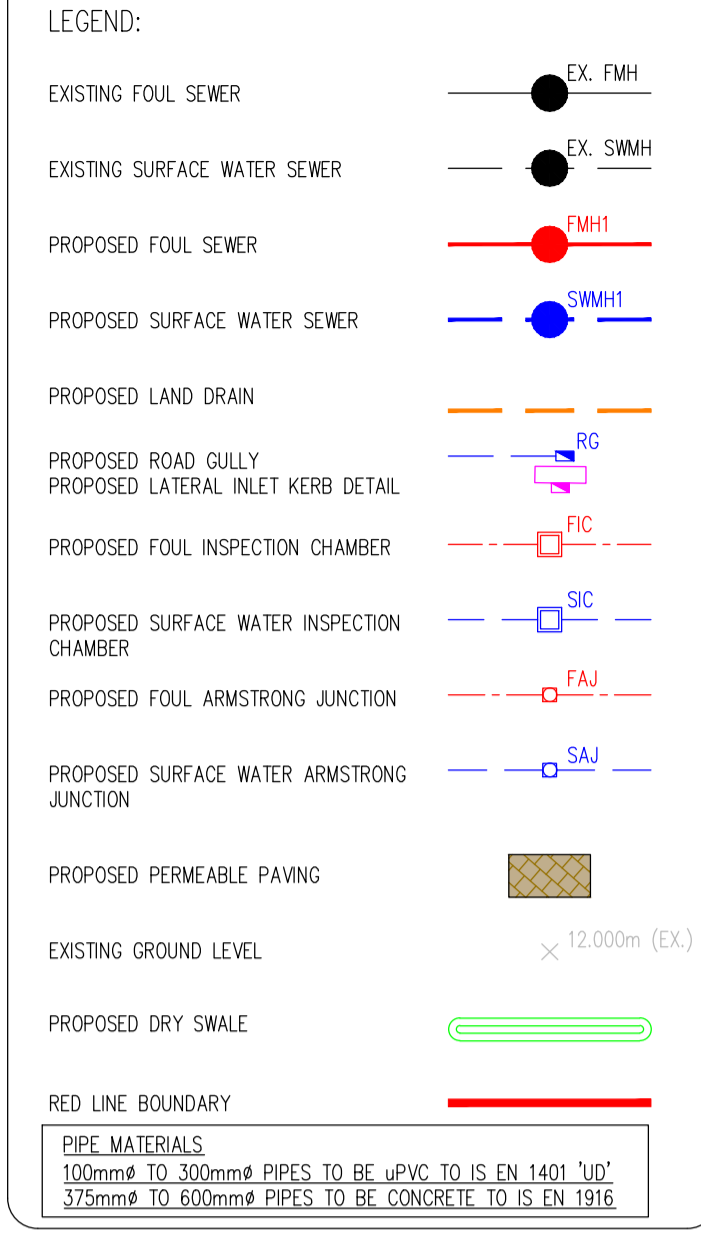
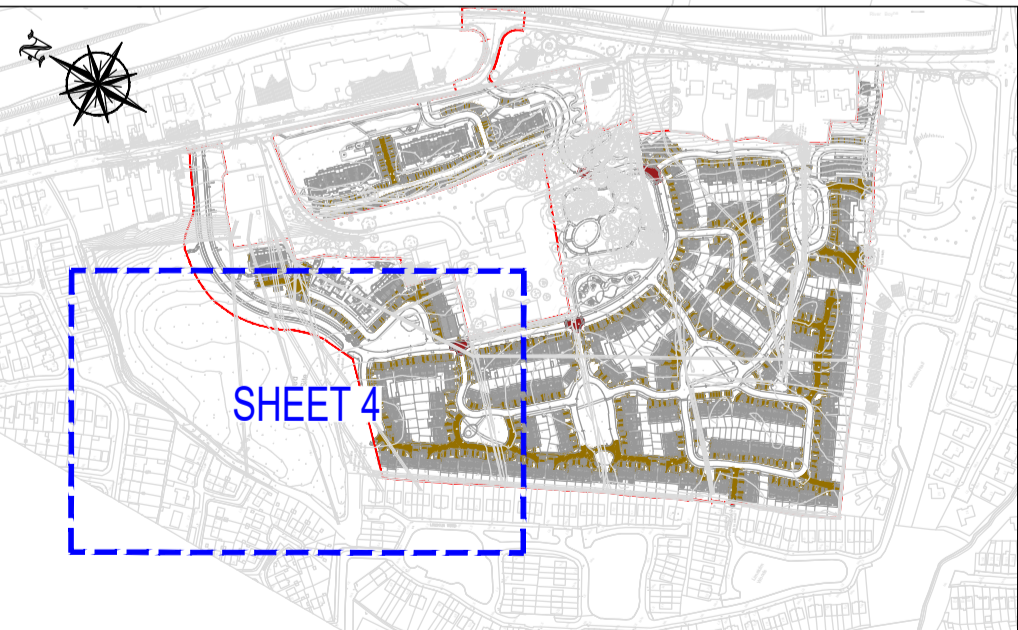


SURFACE WATER PIPES			FOUL WATER PIPES		
PN	Slope (1:X)	Øa (mm)	PN	Slope (1:X)	Øa (mm)
2.000	58.1	225	PL000	79.0	150
2.001	100.0	225	PL000	79.0	150
2.002	100.0	225	PL001	79.2	150
2.003	100.0	225	PL000	149.6	225
2.004	99.9	225	PL000	200.0	225
2.005	100.0	225	PL000	200.0	225
2.006	99.8	225	PL000	79.8	150
2.007	100.0	225	PL000	79.8	150
2.008	100.0	225	PL000	79.8	150
2.009	100.0	225	PL000	79.8	150
2.010	100.0	225	PL000	79.8	150
2.011	100.0	225	PL000	79.8	150
2.012	149.6	225	PL000	79.8	150
2.013	149.6	225	PL000	79.8	150
2.014	149.6	225	PL000	79.8	150
2.015	149.6	225	PL000	79.8	150
2.016	149.6	225	PL000	79.8	150
2.017	149.6	225	PL000	79.8	150
2.018	149.6	225	PL000	79.8	150
2.019	149.6	225	PL000	79.8	150
2.020	149.6	225	PL000	79.8	150
2.021	149.6	225	PL000	79.8	150
2.022	149.6	225	PL000	79.8	150
2.023	149.6	225	PL000	79.8	150
2.024	149.6	225	PL000	79.8	150
2.025	149.6	225	PL000	79.8	150
2.026	149.6	225	PL000	79.8	150
2.027	149.6	225	PL000	79.8	150
2.028	149.6	225	PL000	79.8	150
2.029	149.6	225	PL000	79.8	150
2.030	149.6	225	PL000	79.8	150
2.031	149.6	225	PL000	79.8	150
2.032	149.6	225	PL000	79.8	150
2.033	149.6	225	PL000	79.8	150
2.034	149.6	225	PL000	79.8	150
2.035	149.6	225	PL000	79.8	150
2.036	149.6	225	PL000	79.8	150
2.037	149.6	225	PL000	79.8	150
2.038	149.6	225	PL000	79.8	150
2.039	149.6	225	PL000	79.8	150
2.040	149.6	225	PL000	79.8	150
2.041	149.6	225	PL000	79.8	150
2.042	149.6	225	PL000	79.8	150
2.043	149.6	225	PL000	79.8	150
2.044	149.6	225	PL000	79.8	150
2.045	149.6	225	PL000	79.8	150
2.046	149.6	225	PL000	79.8	150
2.047	149.6	225	PL000	79.8	150
2.048	149.6	225	PL000	79.8	150
2.049	149.6	225	PL000	79.8	150
2.050	149.6	225	PL000	79.8	150
2.051	149.6	225	PL000	79.8	150
2.052	149.6	225	PL000	79.8	150
2.053	149.6	225	PL000	79.8	150
2.054	149.6	225	PL000	79.8	150
2.055	149.6	225	PL000	79.8	150
2.056	149.6	225	PL000	79.8	150
2.057	149.6	225	PL000	79.8	150
2.058	149.6	225	PL000	79.8	150
2.059	149.6	225	PL000	79.8	150
2.060	149.6	225	PL000	79.8	150
2.061	149.6	225	PL000	79.8	150
2.062	149.6	225	PL000	79.8	150
2.063	149.6	225	PL000	79.8	150
2.064	149.6	225	PL000	79.8	150
2.065	149.6	225	PL000	79.8	150
2.066	149.6	225	PL000	79.8	150
2.067	149.6	225	PL000	79.8	150
2.068	149.6	225	PL000	79.8	150
2.069	149.6	225	PL000	79.8	150
2.070	149.6	225	PL000	79.8	150
2.071	149.6	225	PL000	79.8	150
2.072	149.6	225	PL000	79.8	150
2.073	149.6	225	PL000	79.8	150
2.074	149.6	225	PL000	79.8	150
2.075	149.6	225	PL000	79.8	150
2.076	149.6	225	PL000	79.8	150
2.077	149.6	225	PL000	79.8	150
2.078	149.6	225	PL000	79.8	150
2.079	149.6	225	PL000	79.8	150
2.080	149.6	225	PL000	79.8	150
2.081	149.6	225	PL000	79.8	150
2.082	149.6	225	PL000	79.8	150
2.083	149.6	225	PL000	79.8	150
2.084	149.6	225	PL000	79.8	150
2.085	149.6	225	PL000	79.8	150
2.086	149.6	225	PL000	79.8	150
2.087	149.6	225	PL000	79.8	150
2.088	149.6	225	PL000	79.8	150
2.089	149.6	225	PL000	79.8	150
2.090	149.6	225	PL000	79.8	150
2.091	149.6	225	PL000	79.8	150
2.092	149.6	225	PL000	79.8	150
2.093	149.6	225	PL000	79.8	150
2.094	149.6	225	PL000	79.8	150
2.095	149.6	225	PL000	79.8	150
2.096	149.6	225	PL000	79.8	150
2.097	149.6	225	PL000	79.8	150
2.098	149.6	225	PL000	79.8	150
2.099	149.6	225	PL000	79.8	150
2.100	149.6	225	PL000	79.8	150



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



PLAN:
SCALE: 1:500

PLANNING DRAWING
NOT FOR CONSTRUCTION THIS DRAWING HAS BEEN ISSUED FOR INFORMATION PURPOSES ONLY AND MUST NOT BE USED FOR CONSTRUCTION UNDER ANY CIRCUMSTANCES

NOTES
1. For setting out refer to Architect's drawings.
2. This drawing to be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications.
3. DO NOT SCALE THIS DRAWING. Use figured dimensions only.
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- NOTES:**
- ALL LEVELS ARE TO MALIN 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 ENGINEER 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 1000MM 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 MANHOLES SHALL BE VERIFIED ON SITE.
 - PROPOSED FOUL SEWERS WILL BE EITHER CONCRETE, THERMOSTATIC STRUCTURED WALLIED PIPES OR UNPLASTICISED PVC IN ACCORDANCE WITH SECTION 3.13 OF THE IRISH 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 ROAD KERB LINE IN ACCORDANCE WITH SECTION 1.23 OF THE IRISH WASTEWATER CODE OF PRACTICE
 - INSPECTION CHAMBERS TO EACH HOUSE/UNIT 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 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

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CS Consulting Group
DUBLIN | LONDON | LIMERICK

Head Office
19-22 Dame Street, Dublin 2.
T: +353 (0)1 5480863 F: +353 (0)1 9011355
e: info@csconsulting.ie
w: www.csconsulting.ie

Quality
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IS EN ISO 9001:2008
IS EN ISO 14001:2004
IS EN ISO 50001:2011
OHSAS 18001:2007

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