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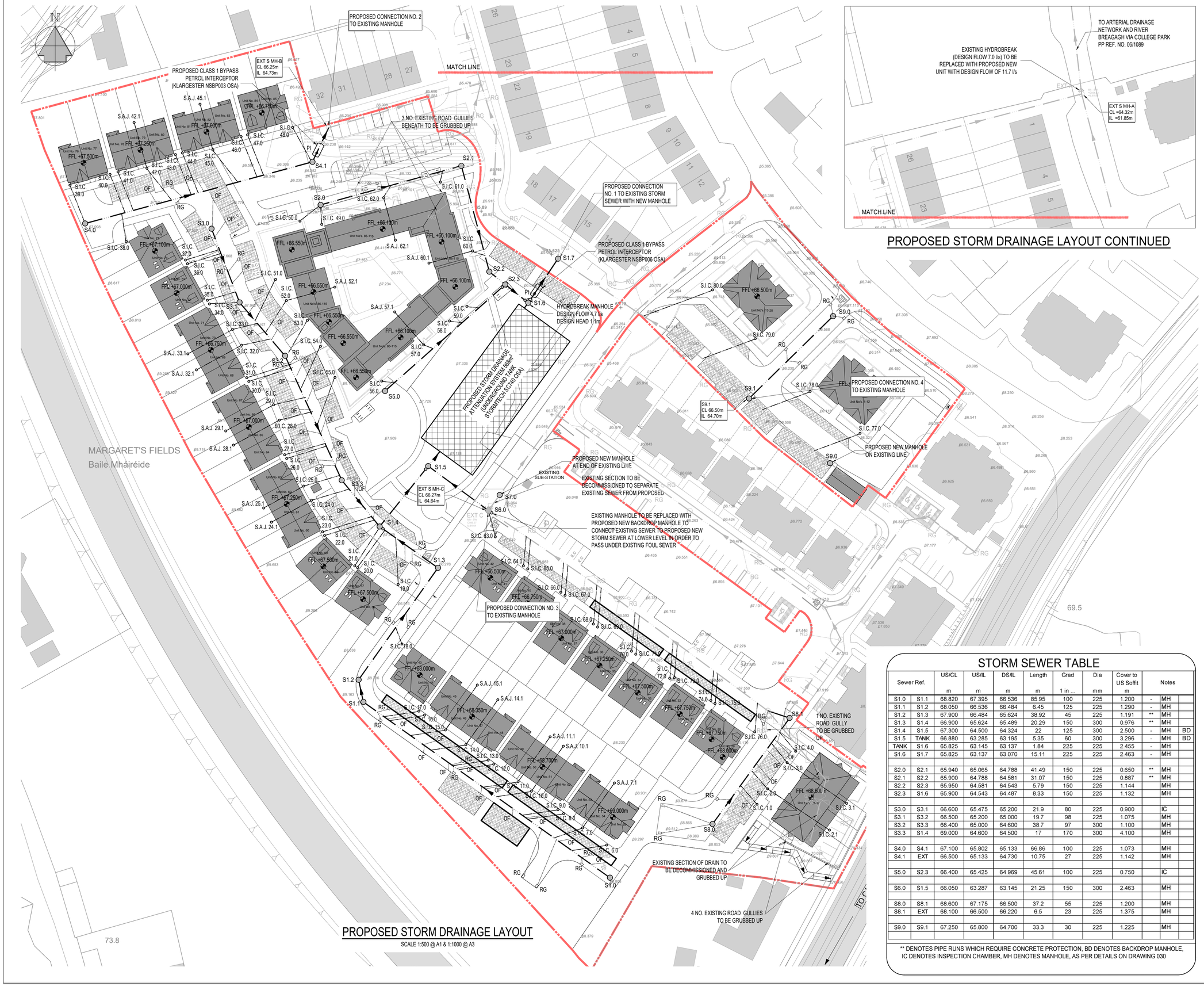
A1



PROPOSED STORM DRAINAGE LAYOUT

SCALE 1:500 @ A1 & 1:1000 @ A3

PROPOSED STORM DRAINAGE LAYOUT CONTINUED

GENERAL NOTES:-

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS & ENGINEERS DRAWINGS & SPECIFICATIONS.
2. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. ALL DISCREPANCIES TO BE NOTIFIED, IN WRITING TO ENGINEERS & ARCHITECTS FOR RESOLUTION.
4. ALL DIMENSIONS ON DRAWINGS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
5. FOR DETAILS AND SETTING OUT OF RWP, SVP, WVP & ALL OPENINGS SEE THE RELEVANT ARCHITECTS DRAWINGS.
6. FOR RADON BARRIER, D.P.C. & INSULATION DETAILS REFER TO ARCHITECTS DRAWINGS

ABBREVIATIONS:-

BTM	BOTTOM
C/C	CENTRE TO CENTRE
CTRS	CENTRES
SFL	STRUCTURAL FLOOR LEVEL
FFL	FINISHED FLOOR LEVEL
TOC	TOP OF CONCRETE
TP	TOP
TOS	TOP OF STEEL
UNO	UNLESS NOTED OTHERWISE

GENERAL LEGEND:-

- DENOTES SITE BOUNDARY
- DENOTES EXISTING BUILDING
- DENOTES PROPOSED BUILDING
- 54.04 — DENOTES EXISTING SITE LEVELS
- FFL +0.000m — DENOTES FINISHED FLOOR LEVEL
- +1.000m — DENOTES PROPOSED GROUND LEVEL
- DENOTES PROPOSED ATTENUATION SYSTEM

STORM DRAINAGE LEGEND:-

- EXT — DENOTES EXISTING STORM SEWER RUN & EXISTING MANHOLE
- DENOTES EXISTING STORM SEWER RUN & MANHOLE TO BE GRUBBED UP
- S1.2 — DENOTES PROPOSED uPVC SN8 STORM SEWER LINE & MANHOLE
- S1.3 — DENOTES PROPOSED uPVC SN8 STORM SEWER LINE & BACKDROP MANHOLE
- S1.4 — DENOTES PROPOSED uPVC SN8 STORM SEWER LINE & HYDROBRAKE MANHOLE
- S.I.C. 3.0 — DENOTES PROPOSED uPVC SN8 STORM SEWER LINE & INSPECTION CHAMBER TO DWELLING UNITS (100mm Ø AT 1:100)
- S.A.J. 4.1 — DENOTES PROPOSED uPVC SN8 STORM SEWER LINE & ARMSTRONG JUNCTION TO DWELLING UNITS (100mm Ø AT 1:80)
- RG — DENOTES PROPOSED ROAD GULLY WITH 150mm Ø uPVC SN8 STORM SEWER CONNECTION PIPE (CONCRETE SURROUND
- DENOTES PROPOSED PERMEABLE PAVING TO CAR PARKING BAYS AS PER DETAILS
- OF — DENOTES PROPOSED PERMEABLE PAVING FIN DRAIN & HIGH LEVEL OVERFLOW PIPE TO STORM SEWER FROM FIN DRAIN (100mm Ø uPVC SN8 AT 1:80)

ALL SETTING OUT DIMENSIONS TO BE CHECKED AGAINST ARCHITECTS DRAWINGS. ARCHITECTS DRAWINGS TO TAKE PRECEDENCE.

STORM SEWER TABLE

Sewer Ref.		US/CL	US/IL	DS/IL	Length	Grad	Dia	Cover to US Soffit	Notes		
		m	m	m	m	1 in …	mm	m			
S1.0	S1.1	68.820	67.395	66.536	85.95	100	225	1.200	-	MH	
S1.1	S1.2	68.050	66.536	66.484	6.45	125	225	1.290	-	MH	
S1.2	S1.3	67.900	66.484	65.624	38.92	45	225	1.191	**	MH	
S1.3	S1.4	66.900	65.624	65.489	20.29	150	300	0.976	**	MH	
S1.4	S1.5	67.300	64.500	64.324	22	125	300	2.500	-	MH	BD
S1.5	TANK	66.880	63.285	63.195	5.35	60	300	3.296	-	MH	BD
TANK	S1.6	65.825	63.145	63.137	1.84	225	225	2.455	-	MH	
S1.6	S1.7	65.825	63.137	63.070	15.11	225	225	2.463	-	MH	
S2.0	S2.1	65.940	65.065	64.788	41.49	150	225	0.650	**	MH	
S2.1	S2.2	65.900	64.788	64.581	31.07	150	225	0.887	**	MH	
S2.2	S2.3	65.950	64.581	64.543	5.79	150	225	1.144		MH	
S2.3	S1.6	65.900	64.543	64.487	8.33	150	225	1.132		MH	
S3.0	S3.1	66.600	65.475	65.200	21.9	80	225	0.900		IC	
S3.1	S3.2	66.500	65.200	65.000	19.7	98	225	1.075		MH	
S3.2	S3.3	66.400	65.000	64.600	38.7	97	300	1.100		MH	
S3.3	S1.4	69.000	64.600	64.500	17	170	300	4.100		MH	
S4.0	S4.1	67.100	65.802	65.133	66.86	100	225	1.073		MH	
S4.1	EXT	66.500	65.133	64.730	10.75	27	225	1.142		MH	
S5.0	S2.3	66.400	65.425	64.969	45.61	100	225	0.750		IC	
S6.0	S1.5	66.050	63.287	63.145	21.25	150	300	2.463		MH	
S8.0	S8.1	68.600	67.175	66.500	37.2	55	225	1.200		MH	
S8.1	EXT	68.100	66.500	66.220	6.5	23	225	1.375		MH	
S9.0	S9.1	67.250	65.800	64.700	33.3	30	225	1.225		MH	

** DENOTES PIPE RUNS WHICH REQUIRE CONCRETE PROTECTION, BD DENOTES BACKDROP MANHOLE, IC DENOTES INSPECTION CHAMBER, MH DENOTES MANHOLE, AS PER DETAILS ON DRAWING 030

Issue Register

No.	Date	Description	Drawn	Checked	Approved
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PL5	29/03/2021	PLANNING ISSUE - STAGE 2 SHD PLANNING SUBMISSION	DCH	MJP	MJP
PL4	12/03/2021	PLANNING ISSUE - STAGE 2 SHD PLANNING SUBMISSION	DCH	MJP	MJP
PL3	18/02/2021	PLANNING ISSUE - I.W. DESIGN SUBMISSION - NEW LAYOUT	NJF	MJP	MJP
PL2	11/09/2020	PLANNING ISSUE - IRISH WATER DESIGN SUBMISSION	MT	DCH	MJP
PL1	11/08/2020	PLANNING ISSUE - STAGE 1 - PRE APPLICATION CONSULTATION	MT	DCH	MJP

PLANNING

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Client: DENIS TREACY CONSTRUCTION LTD

Project: RESIDENTIAL DEVELOPMENT, MARGARET'S FIELDS, CALLAN ROAD, KILKENNY

Drawing Title: PROPOSED STORM DRAINAGE LAYOUT

Project No:	Scale @ A1:
201004	1:500
Drawing No: 201004/C/004	Rev: PL5
Drawn: MT / Checked: DCH	Date: 18/02/2021