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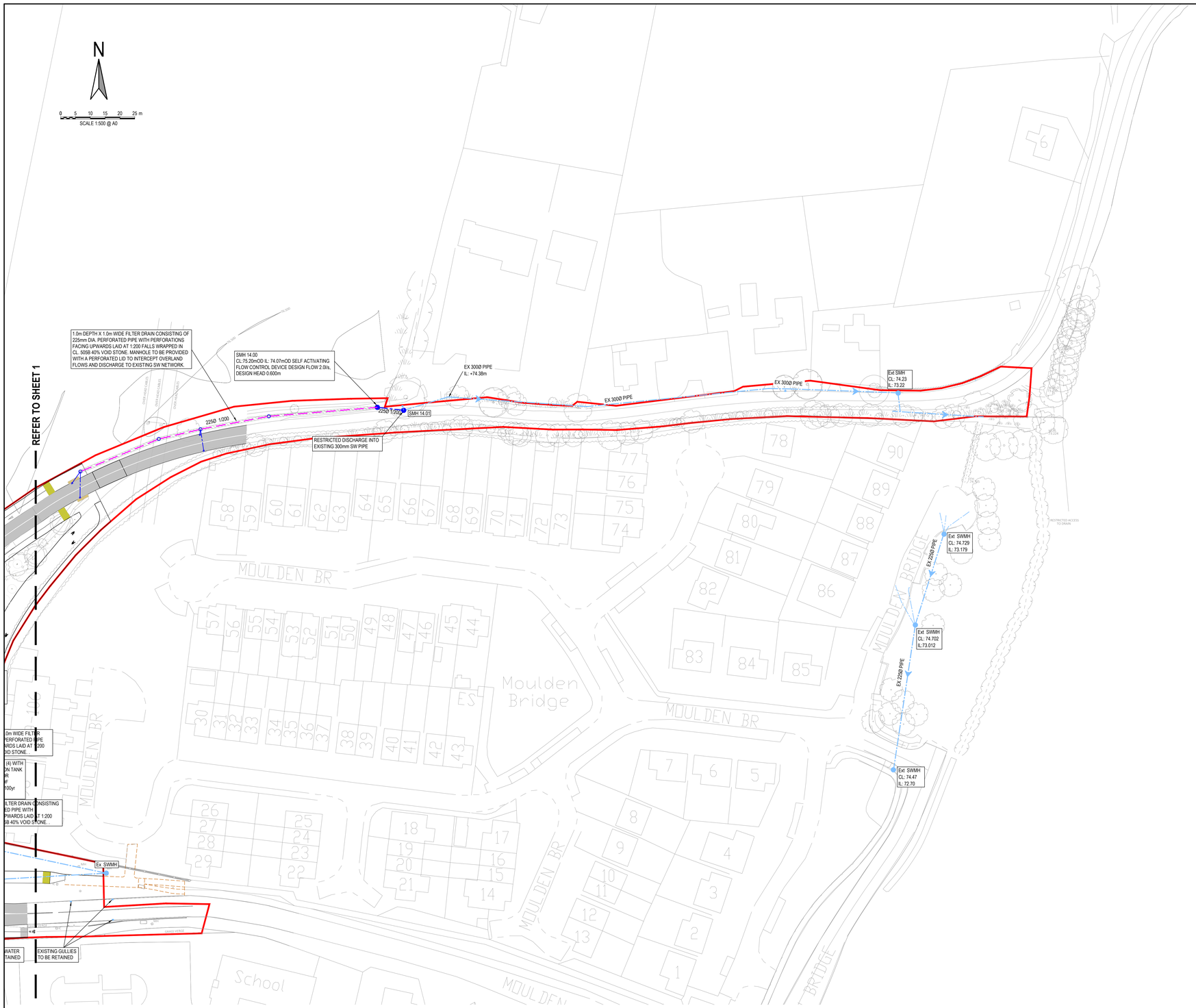
DO NOT SCALE: CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ANY ERRORS OR OMISSIONS



SURVEY NOTES

- TOPOGRAPHICAL SURVEY BASED ON EXISTING LEVELS FROM 3rd PARTY SPECIALIST. DOB & ASSOCIATES TAKES NO RESPONSIBILITY FOR ACCURACY OF SURVEY INFORMATION.
- MAIN CONTRACTOR TO ESTABLISH INDEPENDENTLY ORDANCE DATUM ON SITE FOR LEVELS TO MAILIN HEAD DATUM AND CO-ORDINATES FOR SETTING OUT TO NATIONAL GRID.
- MAIN CONTRACTOR TO VERIFY ALL UNDERGROUND SERVICES ON THE SITE INCLUDING ALL ANOMALIES NOTED ON THE GPR SURVEY AND TO TAKE ALL NECESSARY PRECAUTIONS PRIOR TO ANY EXCAVATIONS ON THE SITE.
- REFER TO M&E ENGINEERS DRAWINGS FOR DIVERSION / DEMOLITION OF ALL UNDERGROUND ELECTRICAL CABLES / DUCTS, TELECOM DUCTS, LIGHTING DUCTS, OIL LINES ETC.

NOTES:

1. FOR STANDARD DOBA NOTES REFER TO DRAWING 2334-DOB-XX-SI-DR-S-0001 & S-0002
2. REFER TO ARCHITECTS DRAWINGS FOR ALL SITE & APPLICATION BOUNDARIES
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT'S & ENGINEER'S DRAWINGS AND SPECIFICATIONS.
4. USE FIGURED DIMENSIONS ONLY. DO NOT SCALE
5. REFER TO SURVEY DRAWINGS FOR EXISTING SERVICES LAYOUTS AND MANHOLE INFORMATION
6. ALL EXISTING SURFACES TO BE REINSTATED FOLLOWING DIVERSION OF SERVICES/CONSTRUCTION OF NEW SERVICES
7. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LEVELS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES TO BE NOTIFIED TO THE ENGINEER & ARCHITECT FOR RESOLUTION
8. CONTRACTOR TO ENSURE ALL WATER & WASTEWATER RELATED WORKS ARE IN ACCORDANCE WITH THE IRISH WATER WATER INFRASTRUCTURE & WASTEWATER INFRASTRUCTURE CODE OF PRACTICE & STANDARD DETAILS DOCUMENTS
9. TESTING OF ALL GRAVITY SEWERS AND MANHOLES TO BE IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE SECTION 4.10 TESTING OF GRAVITY SEWERS & MANHOLES

SURFACE WATER DRAINAGE MANHOLE SCHEDULE

REF:	CL:	IL:	NOTES:
SMH 1.00	79.978	78.035	
SMH 1.01	80.467	78.936	
SMH 1.02	80.073	77.726	
SMH 1.03	80.217	77.689	B.D. FROM SMH11.0 @ 78.793
SMH 1.04	80.240	77.633	
SMH 1.05	80.363	77.617	B.D. FROM SMH2.04 @ 78.916
SMH 1.06	80.016	77.557	
SMH 1.07	79.678	77.516	
SMH 1.08	79.500	77.493	
SMH 1.09	79.500	77.362	
SMH 1.10	79.500	77.311	
SMH 1.11	79.992	77.144	B.D. FROM SMH5.04 @ 78.417
SMH 1.12	79.654	77.062	
SMH 1.13	79.430	76.866	B.D. FROM SMH7.07 @ 78.018
SMH 1.14	79.450	76.840	
SMH 1.15	79.335	76.793	
SMH 1.16	79.672	76.656	
SMH 1.17	78.604	76.609	
SMH 1.18	78.509	76.555	
SMH 1.19	78.677	76.517	B.D. FROM SMH9.02 @ 77.443
SMH 1.20	78.585	76.480	
SMH 1.21	78.500	76.439	
SMH 1.22	78.700	76.398	
SMH 1.23	78.497	76.258	
SMH 1.24	77.530	76.207	
HEADWALL	77.530	76.200	
SMH 2.00	81.437	80.037	
SMH 2.01	81.583	79.949	
SMH 2.02	81.830	79.797	B.D. FROM SMH4.00 @ 80.345
SMH 2.03	81.401	79.720	B.D. FROM SMH2.03 @ 79.720
SMH 2.04	80.821	79.022	
SMH 3.00	79.558	76.139	
SMH 4.00	81.954	80.429	
SMH 5.00	82.186	80.209	
SMH 5.01	81.708	80.076	
SMH 5.02	81.319	79.468	B.D. FROM SMH5.01 @ 79.958
SMH 5.03	81.288	78.447	
SMH 5.04	80.640	78.543	B.D. FROM SMH5.03 @ 79.318
SMH 6.00	79.025	77.468	
SMH 6.01	79.354	77.369	
SMH 6.02	79.612	77.251	
SMH 7.00	82.102	79.815	
SMH 7.01	81.806	79.702	
SMH 7.02	81.573	79.586	
SMH 7.03	81.505	79.568	
SMH 7.04	80.977	78.893	B.D. FROM SMH7.03 @ 79.435
SMH 7.05	80.567	78.787	
SMH 7.06	80.479	78.265	B.D. FROM SMH7.05 @ 78.768
SMH 7.07	79.712	78.093	
SMH 8.00	78.473	77.076	
SMH 8.01	78.969	76.973	
SMH 8.02	78.896	76.880	
SMH 8.03	78.681	76.770	
SMH 9.00	81.518	78.668	
SMH 9.01	81.013	78.963	B.D. FROM SMH9.00 @ 79.642
SMH 9.02	80.182	77.582	B.D. FROM SMH9.01 @ 78.722
SMH 10.00	78.140	76.692	
SMH 11.00	80.686	78.888	
SMH 12.00	78.280	76.850	
SMH 12.01	78.510	76.752	
SMH 13.00	78.280	76.592	
SMH 14.00	75.200	74.070	
SMH 14.01	75.300	74.025	

SURFACE WATER LEGEND:

- EX. SURFACE WATER SEWER
- SMH — EX. SURFACE WATER MANHOLE
- SIC — EX. SURFACE WATER INSPECTION CHAMBER
- EX. WATER COURSE
- EX. SURFACE WATER SEWER TO BE DECOMMISSIONED
- PR. SURFACE WATER SEWER
- SMH — PR. SURFACE WATER MANHOLE
- SIC — PR. SURFACE WATER INSPECTION CHAMBER
- SAJ — PR. SURFACE WATER ACCESS JUNCTION
- PR. ROAD GULLY
- PR. ATTENUATION TANK
- PR. PERMEABLE PAVING
- PR. FILTER DRAIN
- PR. DRAINAGE CHANNEL
- PR. BIORETENTION AREA/SWALE
- P INT — PR. PETROL INTERCEPTOR
- PR. TREE PIT DISCHARGING TO MAIN SW DRAINAGE
- PROPOSED SOAKAWAY

CATCHMENT LEGEND:

- SUB-CATCHMENT 1
- SUB-CATCHMENT 2
- SUB-CATCHMENT 3
- SUB-CATCHMENT 4
- SUB-CATCHMENT 5
- SUB-CATCHMENT 6

NOTE 1: MANHOLE COVER LEVELS ARE APPROXIMATE. ACTUAL COVER LEVELS SHOULD MATCH SURROUNDING FINISHED GROUND LEVELS U.N.O.

NOTE 2: PIPES WITH LESS COVER THAN
- 600mm FOR GRASSED AREAS
- 900mm FOR FOOTPATHS
- 1200mm FOR ROADS

TO BE SURROUNDED IN 150mm CONCRETE PROTECTION IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-WW-07

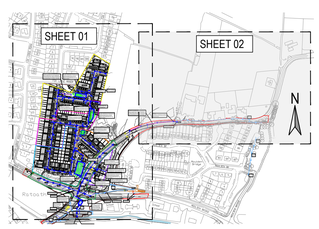
NOTE 3: ALL MANHOLE COVERS LOCATED IN GRASS AREAS TO BE SURROUNDED (Min. 200mm SURROUND) IN 100mm THK C20/25 CONCRETE APRON

SURFACE WATER MATERIAL TO BE IN ACCORDANCE WITH GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS

- UNPLASTICISED P.V.C. PIPES MUST COMPLY WITH THE "PROVISIONAL SPECIFICATION FOR SOIL PIPES, DRAINS, SEWERS & FITTINGS MADE OF UNPLASTICISED P.V.C." ISSUED BY THE DEPARTMENT OF THE ENVIRONMENT.
- B.S. 8005: PART 1 - SEWERAGE OR EQUIVALENT;
- B.S. 8010: PART 2 - PIPELINES ON LAND OR EQUIVALENT: DESIGN, CONSTRUCTION & INSTALLATION;
- B.S. 5955: PART 6 CODE OF PRACTICE FOR THE INSTALLATION OF UNPLASTICISED P.V.C. PIPEWORK FOR GRAVITY DRAINS & SEWERS OR EQUIVALENT
- EN1401 - UNPLASTICISED P.V.C. SEWER PIPE SPECIFICATION
- B.S.4514 - UNPLASTICISED P.V.C. SOIL PIPE SPECIFICATION
- DoEHLG 'SITE DEVELOPMENT WORKS' & SECTION 1 OF THE BUILDING REGULATIONS

ISSUED FOR PLANNING

Rev.	Note	Date	Drawn	Check
S2.P09	ISSUED FOR PLANNING	19.06.2024	RR	AL
S2.P08	ISSUED FOR INFORMATION	17.06.2024	RR	AL
S2.P07	DRAFT ISSUE	07.06.2024	RR	AL
S2.P06	ISSUED FOR INFORMATION	23.05.2024	RR	AL
S2.P05	ISSUED FOR INFORMATION	21.05.2024	RR	AL
S2.P04	ISSUED FOR INFORMATION	20.05.2024	RR	AL
S2.P03	ISSUED FOR LRD OPINION	27.03.2024	NQ	AL
S2.P02	DRAFT ISSUE	21.03.2024	NQ	AL
S2.P01	DRAFT ISSUE	14.03.2024	NQ	AL



KEY PLAN

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Client: MARSHALL YARDS DEVELOPMENT COMPANY LTD.

Project: BALLYBIN ROAD LRD , RATOATH, CO. MEATH

Drawing Title: PROPOSED SURFACE WATER DRAINAGE LAYOUT - SHEET 2

Drawn By:	Checked By:	Approved By:	Date:	Scale:	Sheet Size:
RR	PD	DOB	MARCH 2023	1:500	A0

Project Number:	Drawing Number:	Status Code:	Rev Number:
DOBA2334	2334-DOB-XX-SI-DR-C-0202	S2	P09