

SURVEY NOTES

- TOPOGRAPHICAL SURVEY BASED ON EXISTING LEVELS FROM 3rd PARTY SPECIALIST. DOB & ASSOCIATED TAKES NO RESPONSIBILITY FOR ACCURACY OF SURVEY INFORMATION.
- MAIN CONTRACTOR TO ESTABLISH INDEPENDENTLY ORDNANCE DATUM ON SITE FOR LEVELS TO MALIN 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 ARCHITECTS & ENGINEERS 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 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 AREAS/VALE
- 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 IN U.O.

NOTE 2: PIPES WITH LESS COVER THAN:

- 600mm FOR GRASSED AREAS
- 800mm 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 - PIPE LINES ON LAND OR EQUIVALENT: DESIGN, CONSTRUCTION & INSTALLATION.
- B.S. 5995: 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. 4534 - UNPLASTICISED P.V.C. SOIL PIPE SPECIFICATION
- DEHLG SITE DEVELOPMENT WORKS & SECTION H OF THE BUILDING REGULATIONS

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	80.072	77.726		
SMH 1.03	80.217	77.889	B.D. FROM SMH1.0 @ 78.793	
SMH 1.04	80.246	77.833		
SMH 1.05	80.363	77.617	B.D. FROM SMH2.04 @ 78.916	
SMH 1.06	80.016	77.597		
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	77.065		
SMH 1.13	79.430	76.866	B.D. FROM SMH7.07 @ 78.018	
SMH 1.14	79.336	76.793		
SMH 1.15	79.672	76.656		
SMH 1.17	78.604	76.609		
SMH 1.18	78.599	76.599		
SMH 1.19	78.977	76.571	B.D. FROM SMH9.02 @ 77.443	
SMH 1.20	78.977	76.450		
SMH 1.21	78.500	76.450		
SMH 1.22	78.700	76.258		
SMH 1.23	77.530	76.207		
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	79.787	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	78.139		
SMH 4.00	81.954	80.429		
SMH 5.00	81.954	80.076		
SMH 5.01	81.708	80.076		
SMH 5.02	81.918	79.468	B.D. FROM SMH5.01 @ 79.958	
SMH 5.03	81.286	78.447		
SMH 5.04	81.640	78.503		
SMH 6.00	79.025	77.468	B.D. FROM SMH5.03 @ 79.918	
SMH 6.01	79.364	77.564		
SMH 6.02	79.612	77.251		
SMH 7.00	82.102	78.815		
SMH 7.01	81.896	78.702		
SMH 7.02	81.573	78.586		
SMH 7.03	81.555	78.568		
SMH 7.04	80.977	78.893	B.D. FROM SMH7.03 @ 79.435	
SMH 7.05	80.967	78.775		
SMH 7.06	80.475	78.265	B.D. FROM SMH7.05 @ 78.768	
SMH 7.07	79.712	78.075		
SMH 8.00	78.473	77.075		
SMH 8.01	79.965	76.913		
SMH 8.02	78.696	76.880		
SMH 8.03	79.681	76.710		
SMH 9.00	81.518	79.668	B.D. FROM SMH9.00 @ 79.642	
SMH 9.01	81.013	79.965		
SMH 9.02	80.182	77.582	B.D. FROM SMH9.01 @ 78.722	
SMH 10.00	78.140	77.582		
SMH 11.00	80.688	76.888		
SMH 12.00	78.290	76.850		
SMH 12.01	78.510	76.752		
SMH 13.00	78.290	76.950		
SMH 14.00	75.200	74.070		
SMH 14.01	75.200	74.025		

ISSUED FOR PLANNING

S2 P091	ISSUED FOR PLANNING	19.06.2024	RR	AL
S2 P098	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	EC	AL
S2 P04	ISSUED FOR INFORMATION	03.05.2024	EC	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
Rev.	Note	Date	Drawn	Check

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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 1
Drawn By:	RR
Checked By:	PD
Approved By:	DOB
Date:	MARCH 2023
Scale:	1:500
Sheet Size:	A0
Project Number:	DOBA2334
Drawing Number:	2334-DOB-XX-SI-DR-C-0201
Status Code:	S2
Rev Number:	P09