



LEGEND:

EXTENT OF WORKS BOUNDARY	
EXISTING WASTEWATER DRAINAGE	
EXISTING COMBINED WATER DRAINAGE	
PROPOSED WASTEWATER DRAINAGE	
PROPOSED SURFACE WATER DRAINAGE	
PROPOSED COMBINED WATER DRAINAGE	
EXISTING WASTEWATER DRAINAGE MANHOLE	
EXISTING COMBINED WATER DRAINAGE MANHOLE	
PROPOSED WASTEWATER DRAINAGE PRECAST CONCRETE MANHOLE	
PROPOSED SURFACE WATER DRAINAGE PRECAST CONCRETE MANHOLE	
PROPOSED COMBINED WATER DRAINAGE PRECAST CONCRETE MANHOLE	
PROPOSED PPIC WASTEWATER DRAINAGE MANHOLE	
PROPOSED PPIC SURFACE WATER DRAINAGE INSPECTION CHAMBER	
PROPOSED SURFACE WATER ATTENUATION TANK	
PROPOSED SURFACE WATER ACO CHANNEL (TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURE'S GUIDELINES & RECOMMENDATIONS)	

- NOTES:**
- ALL NOTED LEVELS ARE TO ORDNANCE DATUM, MALIN HEAD.
 - REFER TO ARCHITECT'S LAYOUT FOR ALL SET-OUT INFORMATION.
 - REFER TO ARCHITECT / LANDSCAPE ARCHITECT'S DESIGN DRAWINGS FOR DETAILS OF PROPOSED SURFACE FINISHES AND LANDSCAPING.
 - REFER TO ARCHITECT DRAWINGS FOR DETAILS OF PRIVATE DRAINAGE.
 - ALL SURFACE WATER DRAINAGE IS TO BE INSTALLED IN ACCORDANCE WITH THE GREATER DUBLIN REGION CODE OF PRACTICE FOR DRAINAGE WORKS, THE BUILDING REGULATIONS PART H AND THE SITE DEVELOPMENT SPECIFICATION.
 - ALL CAR PARK DRAINAGE IS TO BE INSTALLED IN ACCORDANCE WITH THE GREATER DUBLIN REGION CODE OF PRACTICE FOR DRAINAGE WORKS, THE BUILDING REGULATIONS PART H AND THE SITE DEVELOPMENT SPECIFICATION.
 - ALL WASTEWATER DRAINAGE IS TO BE INSTALLED IN ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE (REVISION 2 - JULY 2020), THE BUILDING REGULATIONS PART H AND THE SITE DEVELOPMENT SPECIFICATION.
 - ALL DRAINAGE COVER LEVELS ARE TO BE COORDINATED WITH PROPOSED ROAD DESIGN LEVELS AND ARCHITECT/LANDSCAPE ARCHITECT'S PROPOSED FINISH LEVELS.
 - ALL CONNECTIONS TO NEW DRAINAGE NETWORKS ARE TO BE MADE AT AN ANGLE OF 90° OR IN THE DIRECTION OF FLOW.
 - REFER TO ARCHITECT AND M&E ENGINEERING DESIGN DRAWINGS FOR CONFIRMATION OF LOCATION AND SPECIFICATION OF FLOOR GULLIES.
 - REFER TO M&E ENGINEERING DESIGN FOR CONFIRMATION OF WASTE AND SANITARY POP-UP/OUTLET LOCATIONS.
 - THE CONTRACTOR IS TO VERIFY INVERT LEVEL AT PROPOSED CONNECTION TO EXISTING SEWERS, PRIOR TO ANY OTHER WORKS BEING CARRIED OUT, AND MAKE ANY DISCREPANCIES KNOWN TO THE ENGINEER.
 - THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMATION OF PRESENCE ALL EXISTING UTILITIES, IF ANY, ALONG ROUTE OF PROPOSED DRAINAGE NETWORKS - BY INTRUSIVE INVESTIGATION OR EQUAL.
 - EXISTING PUBLIC SEWER TO BE JET CLEANED AND CCTV SURVEYED PRIOR TO, AND AFTER PROPOSED CONNECTIONS FROM NEW NETWORK.
 - ALL NEW DRAINAGE INFRASTRUCTURE TO BE JET CLEANED AND CCTV SURVEYED, WITH ANY NOTED DEFECTS REMEDIATED, ON COMPLETION OF WORKS, TO THE SATISFACTION OF THE LOCAL AUTHORITY.
 - DRAINAGE LAYOUT TO BE READ IN CONJUNCTION WITH ARCHITECTS LAYOUT TO VERIFY SETTING OUT INFORMATION FOR MANHOLES.

NOTE:
 SW04 IS PROVIDED FOR MAINTENANCE ACCESS TO THE ATTENUATION TANK. REQUIREMENT OF MAINTENANCE TBC BY TANK MANUFACTURER.

NOTE:
 THE Q_{BAR} DISCHARGE RATE OF 0.4 l/s IS EXTREMELY LOW. THIS WOULD REQUIRE A VERY SMALL ORIFICE FLOW CONTROL DEVICE WHICH IS PROM TO BLOCKING. REGULAR MAINTENANCE WILL BE REQUIRED.
 TO MITIGATE BLOCKAGE A DISCHARGE RATE OF 2 l/s CONTROLLED WITH A HYDRO BRAKE COULD BE IMPLEMENTED. HOWEVER THIS IS SUBJECT TO LOCAL AUTHORITY'S APPROVAL.

Surface Water Manhole Schedule								
MH. Ref.	Easting (m)	Northing (m)	CL (m)	Depth (m)	Sump (m)	Size (mm)	IL (m)	Dia (mm)
SW01	557165.120	658463.408	6.750	0.650	-	600	6.100	225
SW02	557158.925	658459.180	6.750	0.700	-	600	6.050	225
SW03	557153.144	658455.289	6.750	1.200	0.450	600	6.000	225
SW04	557154.091	658452.796	6.750	1.700	0.450	600	5.500	225 *
SW05	557149.597	658455.051	6.750	1.200	0.450	600	6.000	225
SW06 (FC)	557147.662	658448.425	6.750	1.260	-	1200	5.490	225

Foul Water Manhole Schedule								
MH. Ref.	Easting (m)	Northing (m)	CL (m)	Depth (m)	Sump (m)	Size (mm)	IL (m)	Dia (mm)
FW01	557165.317	658464.450	6.750	0.950	-	450	5.800	150
FW02	557152.218	658455.516	6.750	1.150	-	450	5.600	150
FW03	557151.522	658456.536	6.750	1.165	-	450	5.585	150
FW04	557145.082	658452.135	6.750	1.260	-	1200	5.490	150
FW05	557157.270	658460.532	6.750	1.045	-	450	5.705	150
FW06	557163.192	658464.560	6.750	0.950	-	450	5.800	150

Combined Water Manhole Schedule								
MH. Ref.	Easting (m)	Northing (m)	CL (m)	Depth (m)	Sump (m)	Size (mm)	IL (m)	Dia (mm)
CW01	557146.420	658450.206	6.750	1.290	-	1200	5.460	225

* ACCESS RESTRICTION REQUIRED

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P01	09/08/24	ISSUE FOR INFORMATION	EK	SD

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 Project: 52 NEW ROAD, THOMONDGATE, LIMERICK

Title: PROPOSED DRAINAGE LAYOUT

Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
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