

Wastewater Network Design Tables						Surface Water Network Design Tables							
USMH	USCL (m)	Pipe Number	USIL (m)	Dia (mm)	Slope (1:3)	DSIL (m)	USMH	USCL (m)	Pipe Number	USIL (m)	Dia (mm)	Slope (1:3)	DSIL (m)
F1	80.470	F1.000	79.120	150	60.0	78.752	S1	80.900	S1.000	79.925	225	128.3	79.745
F2	79.840	F1.001	78.123	150	75.0	77.218	S2	81.000	S1.001	79.745	225	170.0	79.521
F3	79.400	F1.002	77.718	150	135.0	77.676	S3	81.000	S2.002	79.521	225	40.0	78.926
F4	80.530	F2.000	79.180	150	60.0	78.887	S4	80.200	S2.000	79.225	225	170.2	79.135
F5	80.250	F2.001	78.887	150	60.0	78.492	S5	80.200	S2.001	79.135	225	75.0	78.820
F6	79.600	F1.003	77.676	150	135.0	77.653	S6	79.800	S2.002	78.820	225	52.4	78.584
F7	78.600	F1.004	77.653	150	135.0	77.575	S7	80.390	S3.000	79.415	225	35.0	78.623
							S8	79.600	S2.003	78.584	225	170.0	78.442
							S9	80.480	S4.000	79.505	225	24.9	78.403
							S10	79.470	S2.004	78.403	225	169.6	78.320
							S11	79.510	S2.005	78.370	225	169.6	78.206
							S12	80.000	S1.003	78.206	225	170.0	78.193

- LEGEND**
- PROPOSED SURFACE WATER NETWORK
 - PROPOSED WASTEWATER NETWORK
 - EXISTING WASTEWATER NETWORK
 - PROPOSED HDPE WASTEWATER RISING MAIN
 - PROPOSED SOAKAWAY
 - PROPOSED PERVIOUS PARKING AREA

- NOTES**
- ALL NOTED LEVELS ARE TO ORDNANCE DATUM, MAIN 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.
 - 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 WASTEWATER DRAINAGE IS TO BE INSTALLED IN ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE, THE BUILDING REGULATIONS PART H AND THE SITE DEVELOPMENT SPECIFICATION.
 - ALL DRAINAGE COVER LEVELS ARE TO BE COORDINATED WITH THE PROPOSED ROAD DESIGN LEVELS AND ARCHITECT DESIGN FINISH DETAILS.
 - ALL CONNECTIONS TO NEW DRAINAGE NETWORKS ARE TO BE MADE AT AN ANGLE OF 90° OR IN THE DIRECTION OF FLOW.
 - 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.
 - REFER TO ARCHITECTS DRAWINGS FOR DETAILS OF PRIVATE DRAINAGE.
 - ALL COVER LEVELS ARE TO BE COORDINATED WITH ROAD DESIGN LEVELS AND LANDSCAPE ARCHITECT'S PROPOSED FINISH LEVELS.

PROPOSED SOAKAWAY TO ALLOW FOR INFILTRATION OF SURFACE WATER. SOAKAWAY TO BE TEMPORARILY STORE RUN-OFF FROM EVENTS UP TO AND INCLUDING 1% AEP EVENT INCLUDING 20% INCREASE FOR CLIMATE CHANGE. SOAKAWAY TO CONTAIN CLEAN DRAINAGE STONE TO CLASSES OF TM SPECIFICATION FOR ROAD WORKS WRAPPED IN PERMEABLE GEOTEXTILE. MINIMUM POROSITY OF 30% POROSITY TO BE PROVIDED. 210m³ TEMPORARY STORAGE TO BE PROVIDED.

SOAKAWAY DESIGN SUBJECT TO VALIDATION TESTS TO BE UNDERTAKEN ON SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION

600mm SILT TRAP TO BE PROVIDED UPSTREAM OF SOAKAWAY

SOAKAWAY PROVIDED MINIMUM OF 5m FROM PROPOSED STRUCTURE TO ALLOW FOR INFILTRATION

PROPOSED 6hr. EMERGENCY STORAGE FOR WASTEWATER PUMP STATION. 12m³ EMERGENCY STORAGE TO BE PROVIDED

PROPOSED WASTEWATER PUMP STATION TO BE PROVIDED IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE

PROPOSED VALVE CHAMBER IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE

PROPOSED FLOW METER IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE

PROPOSED 80mm Ø HDPE WASTEWATER RISING MAIN

PROPOSED PERVIOUS PARKING SURFACE. TO BE IN ACCORDANCE WITH ARCHITECTS DETAILS

WORKS REQUIRED OUTSIDE OF SITE BOUNDARY

PROPOSED STANDOFF MANHOLE TO BE PROVIDED IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE

PROPOSED GRAVITY CONNECTION TO EXISTING WASTEWATER SEWER

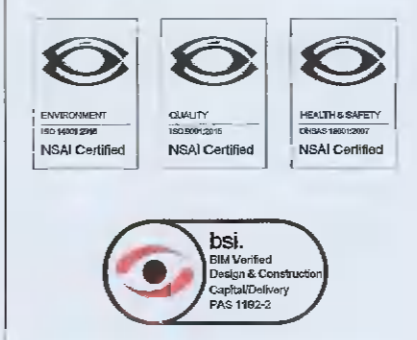
EXISTING 225mm Ø WASTEWATER SEWER (FROM IRISH WATER RECORDS)

PLANNING DRAWING.
NOT FOR CONSTRUCTION.
ALL LEVELS GIVEN ARE RELATIVE TO ORDNANCE DATUM.
THIS DRAWING HAS BEEN ISSUED FOR INFORMATION PURPOSES ONLY AND MUST NOT BE USED FOR CONSTRUCTION UNDER ANY CIRCUMSTANCES

ORDNANCE SURVEY OF IRELAND LICENCE NO. EN0000821 © GOVERNMENT OF IRELAND

- FOR SETTING OUT REFER TO ARCHITECT'S DRAWINGS.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL AND ENGINEERING DRAWINGS AND ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.
- DO NOT SCALE THIS DRAWING. USE FIGURED DIMENSIONS ONLY.
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