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- NOTES**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AND ALL RELEVANT ARCHITECTS AND SERVICES ENGINEERS DRAWINGS.
 - DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
 - DRAWINGS SHALL BE CHECKED BY CONTRACTOR AND ANY DISCREPANCIES (DIMENSIONS) SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE WORK IS COMMENCED.
 - ALL WORKS TO BE IN COMPLIANCE WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE AND WASTEWATER INFRASTRUCTURE STANDARD DETAILS.
 - ALL STORM AND FOUL PIPES TO BE UPVC STIFFNESS CLASS BSN/m². FITTINGS SHALL COMPLY WITH THE PROVISIONS OF IS EN 1401 2009/2012.
 - TYPICAL SERVICE LAYOUT SEPARATION DISTANCES, HORIZONTALLY AND VERTICALLY, AS PER IRISH WATER DETAIL STD-WW-05 & STD-W-11.
 - IN LOCATIONS WHERE A SEWER LINE CROSSES OVER A WATERMAIN IS UNAVOIDABLE, JOINTS IN THE WATERMAIN SHALL NOT BE LOCATED DIRECTLY BELOW SURFACE WATER OR WASTEWATER SEWER CROSSINGS.
 - THE LOCATION AND TYPES OF TRESS LOCATED ADJACENT TO THE ATTENUATION TANK IS TO BE CONFIRMED WITH THE ENGINEER. ALL TREES LOCATED ADJACENT TO ATTENUATION TANK TO HAVE PROTECTIVE ROOT GUARD.
 - ATTENUATION TANK SHALL PROVIDE THE DESIGNATED STORAGE VOLUME AND SHALL BE A SEALED SYSTEM. THE ATTENUATION TANK SYSTEM SHALL HAVE NSAI AGREEMENT CERTIFICATION OR EQUIVALENT. THE ATTENUATION TANK SHALL BE DESIGNED FOR THE SITE-SPECIFIC CONDITIONS, INSTALLED, TESTED AND CERTIFIED BY THE APPROVED SUPPLIER. THE CERTIFICATION SHALL BE PROVIDED TO LIMERICK CITY & COUNTY COUNCIL UPON COMPLETION OF THE DEVELOPMENT.
 - THE HYDROBRAKE SHALL MEET DESIGNATED FLOW REQUIREMENTS AT THE SPECIFIED DESIGN HEAD.
 - NON-ROCK SEALED MANHOLES COVERS TO BE INSTALLED ON ALL SERVICE CHAMBERS AND APPROPRIATE NETWORK COVER AND FRAMES SHALL BE USED THROUGHOUT THE DEVELOPMENT WITH THE APPROPRIATE CERTIFICATION AND MARKINGS.
 - IN ADDITION A CCTV SURVEY OF THE ENTIRE STORM SEWER SYSTEM WITH 'AS BUILT'S' IN DIGITAL FORMAT COMPATIBLE TO LOCAL AUTHORITY GIS DATA CAPTURE SYSTEMS INCORPORATING COVER AND INVERT LEVELS SHALL BE PROVIDED AND SHALL BE SUBMITTED TO LOCAL AUTHORITY PRIOR TO THE ESTATE BEING TAKEN IN CHARGE.
 - CONTRACTOR HAVE A SITE BASED CHARTERED ENGINEER WHO SHALL CERTIFY ALL WORKS IN RELATION TO THE STORM SEWERS, FOUL SEWERS AND WATERMANS TO THE REQUIREMENTS OF IRISH WATER AND LOCAL AUTHORITY.
 - CONTRACTOR TO PREPARE 'AS-CONSTRUCTED DRAWINGS' OF ALL UNDERGROUND SERVICES IN DIGITALELECTRONIC FORMAT FOR THE WRITTEN AGREEMENT OF LOCAL AUTHORITY SUITABLE FOR IMPORT INTO MAINFRAME.
 - CONTRACTOR TO CARRY OUT INFILTRATION TEST, PRESSURE TESTS AND CCTV SURVEY, REPORT, AND DRAWING OF ALL PIPES AND MANHOLES.
 - ALL WATER PIPES TO BE PE100 SDR17.
 - ALL WATER PIPES TO BE INSTALLED WITH 900mm COVER BELOW FINISHED LEVEL TO THE EXTERNAL CROWN OF THE PIPE UNLESS OTHERWISE NOTED.
 - INDICATOR PLATES SHALL CLEARLY IDENTIFY HYDRANT, AIR VALVE, SCOUR VALVE, WASHOUT HYDRANT, METER, PRESSURE REDUCING/SUSTAINING VALVE AND SLUICE VALVE LOCATIONS. THEY SHALL BE LOCATED TO THE APPROVAL OF BOTH IRISH WATER AND THE ROADS AUTHORITY FOR THE AREA. THE PLATES SHALL BE MOUNTED ON MARKER POSTS AT THE BACK OF FOOTPATHS OR ON THE BOUNDARY WALL OF THE PUBLIC THOROUGHFARE NEAREST TO THE HYDRANT OR VALVE AS PER IRISH WATER CODE OF PRACTICE.

LEGEND:

EXISTING WATERMAIN	
EXISTING WATERMAIN HYDRANT	
EXISTING WATERMAIN SLUICE VALVE	
NEW WATERMAIN (80mm PE100 SDR17)	
NEW SLUICE VALVE	
PROPOSED BULKER METER (BM) IRISH WATER APPROVED	
EXISTING COMBINED SEWER AND MANHOLE	
NEW STORMWATER SEWER	
NEW WASTEWATER SEWER	
GREEN ROOF (SUDS)	
ATTENUATION TANK (SUDS)	
SITE BOUNDARY (RED LINE)	

REV	DATE	DESCRIPTION	DRN	DES	CHK	APP
P04	30/06/22	REVISED BACKGROUND LAYOUT	PC	PC	BL	BL
P03	03/06/21	REVISED INVERT LEVELS	PC	PC	BL	BL
P02	26/05/21	REVISED GREEN ROOF EXTENTS AND WATERMAIN CONNECTION LOCATION	PC	PC	SD	SD

CLIENT: Limerick City & County Council

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PROJECT: RESIDENTIAL DEVELOPMENT AT SPEAKER CORNER, LIMERICK

TITLE: CIVIL SERVICES AND FINISHED FLOOR LEVEL LAYOUT

STATUS: S4 PLANNING APPLICATION

DRAWN: JA DES. BY: PC
CHK. BY: PC APP. BY: BL

GARLAND No: W0622 DATE: 08/04/2021
A1 SCALE: 1:100

DRG. No: W0622-GAR-XX-DR-C-0010 REV: P04

