



- LEGEND**
- PROPOSED BUILDING
 - BASEMENT OUTLINE
 - PROPOSED DN200 WATERMAIN (TO BE CONSTRUCTED AS PART OF LEHAUNSTOWN NEIGHBOURHOOD ROAD PROJECT OUTSIDE OF SCOPE OF WORKS)
 - PROPOSED WATERMAIN (180 OD PE100 SDR11 PIPE) ALL WORKS MUST BE IN ACCORDANCE WITH IRISH WATER STANDARDS
 - PROPOSED WATERMAIN (110 OD PE80 SDR11 PIPE) ALL WORKS MUST BE IN ACCORDANCE WITH IRISH WATER STANDARDS
 - PROPOSED WATERMAIN PIPE (SIZE AS NOTED ON LAYOUT) ALL WORKS MUST BE IN ACCORDANCE WITH IRISH WATER STANDARDS
 - OD25 WATER SERVICE CONNECTION AND BOUNDARY BOX TO IRISH WATER DETAIL STD-W-26G. BB
 - FIRE HYDRANT IN ACCORDANCE WITH USICE EIRANN STANDARD DETAIL DRAWING STD-W-18
 - SLUICE VALVE IN ACCORDANCE WITH USICE EIRANN STANDARD DETAIL DRAWING STD-W-15
 - AIR VALVE IN ACCORDANCE WITH USICE EIRANN STANDARD DETAIL DRAWING STD-W-22
 - SCOUR VALVE IN ACCORDANCE WITH USICE EIRANN STANDARD DETAIL DRAWING STD-W-30A
 - PROPOSED BLANK FLANGE IN ACCORDANCE WITH USICE EIRANN STANDARD DETAIL DRAWING STD-W-05
 - PROPOSED WASH OUT HYDRANT IN ACCORDANCE WITH USICE EIRANN STANDARD DETAIL DRAWING STD-W-30A
 - ELECTROMAGNETIC WATERMETER & CHAMBER TO IRISH WATER DETAIL STD-W-26. KIOSK REQUIRED TO IW DETAIL STD-W-36. KIOSK LOCATION TO BE AGREED WITH ARCHITECT
 - MECHANICAL WATERMETER & CHAMBER TO IRISH WATER DETAIL STD-W-26A. KIOSK REQUIRED TO IW DETAIL STD-W-36. KIOSK LOCATION TO BE AGREED WITH ARCHITECT

Plan of Attenuation Pond 2A
Refer to separate Planning Application PC/CSDZ/005/2021 by others

Proposed Access Road
Refer to separate Planning Application ST79A/H/03/2024 by others

PROPOSED WATER SERVICE CONNECTION TO PROPOSED OD 225mm Ø WATERMAIN. WATERMAIN TO BE INSTALLED AS PART OF SEPARATE LEHAUNSTOWN NEIGHBOURHOOD PROJECT CONTRACTOR TO CONNECT TO WATERMAIN IN ACCORDANCE WITH USICE EIREANN STANDARDS

CONNECTION PIPE TO PLANT ROOM SERVICING BLOCKS A1, A2, B & C

ALL VALVES, BEDDING, BACKFILL & ALL WORKS TO WATERMANS TO BE IN ACCORDANCE WITH USICE EIREANN STANDARDS. BACKFILL MATERIAL TO BE IN ACCORDANCE WITH TII SERIES 800

- NOTES :**
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS & MANUFACTURERS DRAWINGS & SPECIFICATIONS.
 - ALL MATERIALS, SUBSTANCES AND PRODUCTS IN CONTACT WITH POTABLE WATER SHALL COMPLY IN ALL RESPECTS WITH THE EUROPEAN COMMUNITIES (DRINKING WATER) (NO. 2) REGULATIONS, 2007 (S.I. NO. 278 OF 2007) AND SHALL BE INCLUDED IN THE LATEST "LIST OF APPROVED PRODUCTS AND PROCESSES" PUBLISHED BY THE DRINKING WATER INSPECTORATE FOR ENGLAND AND WALES. THE CONTRACTOR SHALL PRODUCE DOCUMENTARY EVIDENCE THAT THE SUBSTANCE OR PRODUCT HAS BEEN SPECIFICALLY APPROVED UNDER THE DWI SYSTEM, OR EQUIVALENT APPROVAL SYSTEM.
 - ALL PROPOSED PIPE DIAMETERS ARE NOMINAL.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING OUT WATERMANS & VALVES TO ENSURE NO CLASHES WITH SERVICE DUCTS OR PIPES. CONTRACTOR TO CO-ORDINATE CONSTRUCTION OF WATERMANS WITH ALL OTHER GROUND SERVICES AND UTILITIES.
 - ALL THRUST BLOCKS MUST BE CAST AGAINST UNDISTURBED GROUND. FLEXIBLE PIPES SHOULD BE WRAPPED IN PLASTIC SHEETING IN ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE AND STANDARD DETAILS.
 - MARKER POSTS AND PLATES TO BE PROVIDED FOR ALL VALVES, METERS AND HYDRANTS.
 - TESTING AND COMMISSIONING - ALL ON SITE AND OFF SITE TESTING (PRESSURE TESTING, JOINT TESTING, DISINFECTION OF WATERMAIN TESTING, COMMISSIONING TESTING ETC.) TO BE UNDERTAKEN BY EXTERNAL TESTER. ALL TESTING AND CERTIFICATION TO BE UNDERTAKEN IN ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE, MUST PASS THE RELEVANT TESTS AND BE SUBMITTED TO THE ENGINEER.
 - TESTING BETWEEN LIVE SHUT VALVES WILL NOT BE ACCEPTED UNDER ANY CIRCUMSTANCE.
 - WHERE PIPE RUN IS LOCATED ADJACENT TO FOUNDATION AND IS AT A LEVEL BELOW UNDERSIDE OF THE FOUNDATION, PIPE TRENCH TO BE BACKFILLED TO FORMATION LEVEL WITH CLASS 15/20 CONCRETE.
 - PROVIDE ANCHOR/THRUST BLOCKS ON ALL HORIZONTAL BENDS EQUAL TO OR IN EXCESS OF 11.25°. ALL VERTICAL BENDS, DEAD ENDS, TAPERS TEES ON ALL PIPES ETC. IN ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE AND STANDARD DETAILS.
 - TRENCHES IN EXISTING SURFACES TO BE SAW CUT.
 - ALL INDIVIDUAL CONNECTIONS TO THE EXISTING WATERMANS TO BE DISCONNECTED AND RECONNECTED TO THE NEW WATERMAIN WHEN IT HAS BEEN MADE LIVE.
 - FINAL CONNECTION DETAILS TO BE AGREED WITH IRISH WATER.
 - THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING ALL TEMPORARY WORKS, SUPPORTS AND VALVING TO ENSURE THE WATERMAIN REMAINS ADEQUATELY ANCHORED AND STABLE FOR THE DURATION OF THE TEST.

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COLOUR DRAWING

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PUNCH
consulting engineers
Dublin | Limerick | Cork | Galway | Glasgow
Carnegie House Library Road,
Dun Laoghaire, Co. Dublin, A96 C7W7
t+353 1 271 2200 | w.punchconsulting.com

Project: RESIDENTIAL DEVELOPMENT LEHAUNSTOWN, CHERRYWOOD
Title: PROPOSED WATERMAIN LAYOUT

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