



SURFACE WATER LEGEND:

- PR. ATTENUATION TANK
- EXISTING STORM WATER SEWER
- PR. STORM WATER SEWER
- PR. LINEAR FILTER DRAIN*
- PR. INFILTRATION TRENCH
- PR. UNDERSLUNG SW DRAINAGE** (TO U/S OF GROUND FLOOR SLAB BY OTHERS)
- PROPOSED SW DRAINAGE (FUTURE PHASES)
- PROPOSED STORM WATER MH
- PROPOSED ROAD GULLY
- PROPOSED RAIN WATER OUTLET CAST INTO PODIUM SLAB
- PR. SUSPENDED FOUL DOWNPIPE FROM ABOVE TO M&E ENG. DTLS

* FILTER DRAINS TO BE A Min 1.0 x 1.0m DP WITH 225Ø PERFORATED PIPE LAID AT 1:200 WITH CATCHPIT MANHOLES EACH END DISCHARGING INTO MAIN SW NETWORK

** PROPOSED UNDERSLUNG DRAINAGE TO DISCHARGE TO 10x1x1m FILTER DRAIN (TYP). UNDERSLUNG LABELS OMITTED FOR CLARITY. REFER TO SW CALCULATION ANALYSIS FOR DETAILS.

FOUL WATER LEGEND:

- EXISTING FOUL SEWER
- PROPOSED FOUL WATER SEWER
- PR. UNDERSLUNG FW DRAINAGE (TO U/S OF GROUND FLOOR SLAB)
- PROPOSED FOUL WATER MH
- PROPOSED BACKDROP IN MH
- PR. SUSPENDED FOUL DOWNPIPE FROM ABOVE TO M&E ENG. DTLS
- PR. FOUL LINE RODDING EYE
- PROPOSED INSPECTION CHAMBER
- PR. BASEMENT EXTENTS

WATERMAIN LEGEND:

- EXISTING WATERMAIN
- PROPOSED WATERMAIN- HDPE BL 160 SDR17 PE100
- PROPOSED WATERMAIN- HDPE DN110 SDR17 PE100 PN10
- PR. UNDERSLUNG WATERMAIN (TO U/S OF GROUND FLOOR SLAB TO M&E ENG. DETAILS)
- PROPOSED HYDRANT
- PROPOSED BOUNDARY BOX
- PROPOSED BULK WATER METER
- PROPOSED AIR VALVE
- PROPOSED SLUICE VALVE
- PROPOSED SCOUR VALVE
- THRUST BLOUR OMITTED FOR CLARITY. TO BE INSTALLED AS PER I.W. TYPICAL DETAILS
- PR. BASEMENT EXTENTS

ISSUED FOR PLANNING

FOUL PIPE MATERIAL TO BE IN ACCORDANCE WITH IW-CDS-5030-03 SECTION 3.13.2

- 3.13.2 THERMOPLASTIC STRUCTURAL WALL PIPES, THERMOPLASTIC STRUCTURED WALL PIPES SHALL COMPLY WITH THE PROVISIONS OF IS EN 13476 (2007/2009), PIPES TO BE OF STIFFNESS CLASS 8kN/m² & TO BE CAPABLE OF DEMONSTRATING A JETTING RESISTANCE OF 2,600 PSI (180 BAR) WITHOUT DAMAGE WHEN TESTED IN ACCORDANCE WITH SECTION 3.3 OF WIS 4-35-01 (2008). (SEWER DIAMETERS 150mm UP TO 450mm, SERVICE CONNECTIONS OF 100mm DIAMETER).

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 DEPT. OF THE ENVIRONMENT - B.S. 8005: PART 1 - SEWERAGE OR EQUIVALENT;
- B.S. 8010: PART 2 - PIPELINES ON LAND OR EQUIVALENT: DESIGN, CONSTRUCTION & INSTALLATION;
- B.S. 5955: PART 6 CODE OF PRACTICE FOR THE INSTALLATION OF UNPLASTICISED P.V.C. PIPEWORK FOR GRAVITY DRAINS & SEWERS OR EQUIV.
- EN1401 - UNPLASTICISED P.V.C. SEWER PIPE SPECIFICATION
- B.S.4514 - UNPLASTICISED P.V.C. SOIL PIPE SPECIFICATION
- DoEHLG 'SITE DEVELOPMENT WORKS' & SECTION H OF THE BUILDING REGS

WATERMAIN MATERIAL TO BE IN ACCORDANCE WITH IW-CDS-5020-03 SECTION 3.9.2

- 3.9.2 MDPE & HDPE PIPES SHALL BE OF A TYPE PE-80 & HAVE AN SDR-11 OR SDR-17 RATING. THEY SHALL CONFORM TO IS EN 12201-PART 1 & PART 2 (PLASTIC SYSTEMS FOR WATER SUPPLY, DRAINAGE & SEWERAGE UNDER PRESSURE - PART 1. GENERAL & PART 2. PIPES) & I.S. EN 12201-3 (PLASTIC SYSTEMS FOR WATER SUPPLY, DRAINAGE & SEWERAGE UNDER PRESSURE - PART 3. FITTINGS).

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Client: LADAS PROPERTY COMPANY

Project: PROPOSED DEVELOPMENT AT MILLSTREET, MAYNOOTH

Drawing Title: PROPOSED COMBINED SERVICES

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PROPOSED COMBINED SERVICES
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