



- Notes:**
- This drawing should be read in relation to the subject of the title. All other details illustrated on the drawing (e.g. The proposed layout) are indicative only and are subject to change. For updated details of the proposed layout and finished levels see Proposed Layout & Levels drawings.
 - The mapping illustrated on this drawing is taken from the existing topographical survey received from the client with amendments made to illustrate the proposed site layout for the scheme.
 - All storm & foul drainage designed in accordance with IS EN 752: 2008
 - Drainage works to be carried out in accordance with Civil Engineering Specification for the Water Industry 6th Edition; published by WRc plc 2004.
 - Manholes to be constructed from precast concrete rings (unless otherwise stated / approved) to IS EN 1917 & BS 5911-3 with a D400 heavy duty cover for driveway/carpark and B125 for remaining surface (in accordance with IS EN 124:1994).
 - Pipes to be uPVC to IS EN 1401-1 for sizes Ø100 & Ø150mm.
 - Pipes to be uPVC to WIS 4-35-01, for sizes Ø225 & Ø300mm.
 - Pipes for storm drainage to be proprietary plastic twin wall design
 - All measurements shown are in meters, and all levels are to ordnance datum unless otherwise indicated.
 - All Coordinates are to Irish Grid, unless otherwise noted.
 - For indicative location for all sewers and services please see Existing Site Services drawings. It shall be the contractor's responsibility to verify position and level prior to commencing construction. The contractor shall also be responsible for the arrangement of all necessary permits as required prior to commencement.
 - Min cover to Clay / Concrete drainage Pipes to be 1200mm under roads/footpaths and 600mm under landscaping. Min cover to Thermoplastic drainage Pipes to be 900mm under roads/footpaths and 600mm under landscaping. Where adequate cover cannot be provided pipes are to be protected with a lean mix concrete surround.
 - Changes in invert levels at a manhole (not requiring a drop manhole) shall be graded evenly through the manhole in order to avoid an abrupt change in invert level.
 - Where concrete surround is specified for pipes the pipes shall be first wrapped with an approved plastic membrane. Flexibility at joints shall be maintained by insertion of 25mm compressible joint board at each joint to break the continuity of the concrete surround. However the plastic membrane shall be continuous at these locations to protect rubber jointing rings from ingress of grout. The minimum thickness of the concrete surround should be 150mm or the diameter of the pipe whichever is the greater.
 - Compressible boards to be laid between crossing pipes where cover between pipes limited.
 - All in-curtilage pipes to be minimum Ø100mm unless otherwise indicated.
 - A drain which is at a level lower than the foundations of a building should either
 - where the trench is within 1m of the foundations, be filled with concrete up to the level of the underside of the foundations,
 - where the trench is more than 1m from the foundations, be filled with concrete up to a level, below the level of the underside of the foundations, equal to the distance from the foundations less 150mm.
 - Existing sewers to be maintained and kept in service at all times.
 - This drawing should be read in conjunction with proposed drainage schedule drawings, construction details drawings and all other relevant drawings.
 - All internal pipework extending outside the building must be constructed with rocker pipes through the foundations/ trench fill as per construction details.
 - To allow connection to the invert levels of the proposed drainage network a change in pipe gradient may be required. To allow this all internal infrastructure (sinks, dishwasher, floor gullies etc, including rainwater downpipes) to be connected to a back inlet bottle gully prior to connection to the proposed drainage as per construction details with the exception of WCs.
 - To achieve invert levels of the foul drainage network all WC internal infrastructure must be connected via backdrop manhole (if required) as per construction details drawings, or similar approved.
 - All back inlet bottle gullies for foul drainage to be capped with closed lid with same strength class as adjacent manholes. Perforated lids will not be suitable.
 - Back inlet bottle gullies to be constructed directly adjacent to building provided construction achievable above foundations.
 - All drainage channels and outfalls to be constructed in accordance with manufactures specifications.
 - All details/ dimensions to be checked by the contractor. Any discrepancies to be reported to the engineer immediately.
 - Invert levels of catchpit chambers shown denote approximate invert levels of the lowest pipe and do not include for catchpit sump depth.

P4	05/03/2024	Site Layout Amended	PC
P3	26/02/2024	Amendments to Accommodate Bridge	PA
P2	25/02/2024	Minor Amendments	PA
Rev	Issue Date	Description	App

Status: **FOR PLANNING**

Client: **Cavan County Council**

Project: **Cavan Regional Sports Campus**

Drawing: **Proposed Drainage Layout - Overview**

Scale: 1:2000 @ A1

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Drawn: JG	Checked: PA	Approved: PA
Date: 23/02/2024	Date: 23/02/2024	Date: 23/02/2024

Project: CRSP - MCA - 00 - 00 - DR - C - 2000 - P4

Project Number: A2156 | Status code & Description: S4

All dimensions are in metres. Figured dimensions to be taken in preference to scale dimensions. Dimensions to be checked on site. © 2021 McAdam Design Ltd.

LEGEND

- SW → SW → SW → PROPOSED STORM SEWER
- FW → FW → FW → PROPOSED FOUL SEWER
- — — PROPOSED PERFORATED FILTER / LAND DRAIN / INFILTRATION TRENCH
- Fxxx PROPOSED FOUL MANHOLE
- Sxxx PROPOSED STORM MANHOLE
- 600mm Dia CATCHPIT CHAMBERS (LAND DRAINAGE)
- ATTENUATION TANK
- ↖ HEADWALL
- SITE BOUNDARY