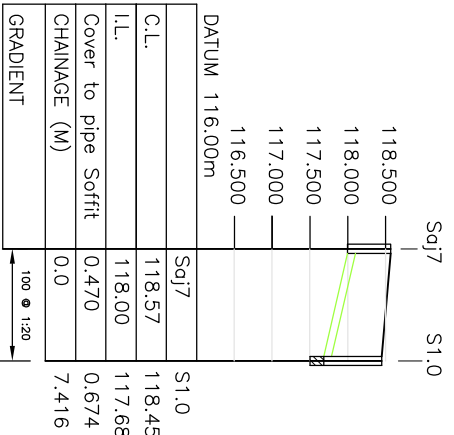


PROPOSED STORMWATER ATTENUATION TANK PROVIDING >22.5m³ OF STORAGE, WHICH INCLUDES 10% ADDITIONAL VOLUME CAPACITY TO CATER FOR FOR CLIMATE CHANGE

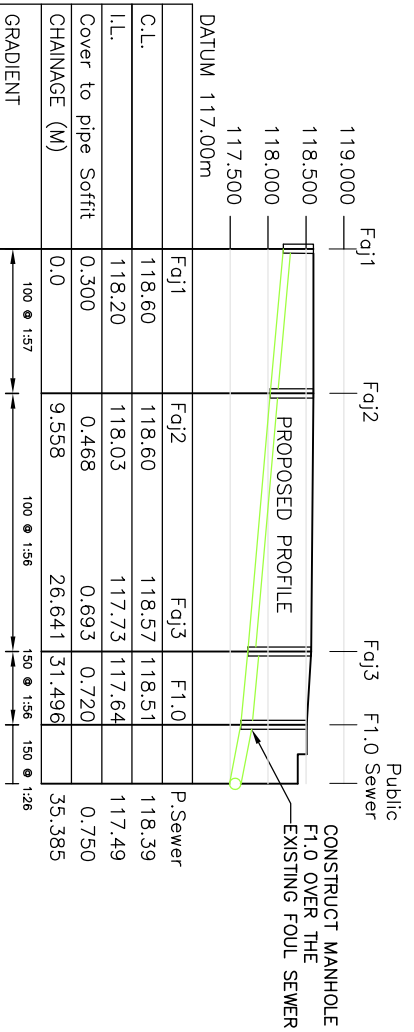
SILT TRAP SUMP LOCATED IN BASE OF MH ref. S1.0

FLOW CONTROL DEVICE FITTED WITHIN MH ref. S2.0 RESTRICTING FLOW TO 1 lt/sec.

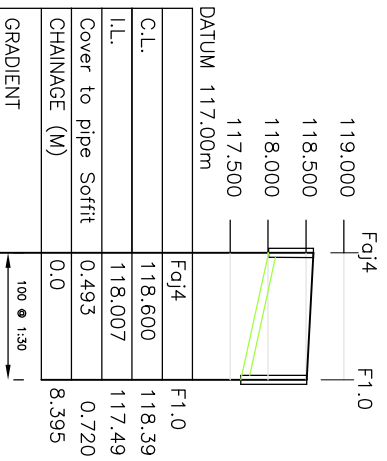
STORM LONGITUDINAL CROSS-SECTION (S1.0-Existing Storm Manhole)
1:500 HORIZONTALLY, 1:100 VERTICALLY.



STORM LONGITUDINAL CROSS-SECTION (Saj7-S1.0)
1:500 HORIZONTALLY, 1:100 VERTICALLY.



STORM LONGITUDINAL CROSS-SECTION (Faj1-Public Sewer)
1:500 HORIZONTALLY, 1:100 VERTICALLY.



FOUL LONGITUDINAL CROSS-SECTION (Faj4-F1.0)
1:500 HORIZONTALLY, 1:100 VERTICALLY.

- NOTES
1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
 2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE DISCREPANCIES BEFORE ANY WORK COMMENCES.
 3. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MAIN HEAD.
 4. ALL PEDESTRIAN WATER DETAILS TO LOCAL AUTHORITY REQUIREMENTS 400x400mm BUFF FACILE RIBSTER PAVING TO NEAR PEDESTRIAN ACCESS TRAFFIC SIGNS & ROAD MARKINGS AS PER CURRENT TRAFFIC DESIGN MANUAL.
 5. REFER TO STANDARD AND WATER SERVICE CONSTRUCTION DETAILS REFER TO STANDARD DETAILS FROM FRESH WATER.

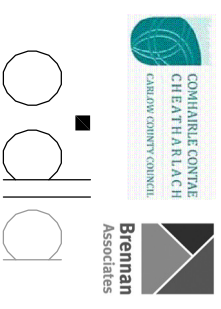
WATER MAIN PIPE MATERIAL SPECIFICATION:
 HPE PE shall be of a type PE-100 and have on SPR-11 or SPR-17 rating. They shall conform to IS EN 12201: Part 1 and Part 2 (Gratic Systems for Water Supply, Drainage and Sewerage) and EN 12201-3 (Gratic Systems for Water Supply, Drainage and Sewerage Under Pressure - Part 3: Fittings). HPE pipes should be of type PE-100 and have on SPR rating of 17. They shall conform to IS EN 12201: Part 2: 2009.

GRAVITY SEWER PIPE MATERIAL SPECIFICATION:
 Unplasticised PVC pipes and fittings shall comply with the provisions IS EN 1401 2009/2012. Pipes to be application area code 'U0', stiffness Class BkN/m² for roads & footpaths, stiffness class 4kN/m² for soft landscaped/grass areas with no vehicle access.

Provision for jacking shall be based on the Wg Sewer Jetting Code maximum jetting pump pressure of 2,600psi (180 Bar) without damage.

(Sewer diameters 150mm up to 450mm, Service Connections of 100mm diameter)

Rev.	Date	Description	Drawn/Checked	Approved
30.01.23		Part 8 Submission	AD	IB



Client:
CARLOW COUNTY COUNCIL

Job Description:
THE SCHOOL HOUSE COMMUNITY AND ENTERPRISE CENTRE, RAITHVILLY, Co. CARLOW

Project No:
22P1544

Drawing Ref:
P03

Rev:
-

Drawing Title:
PROPOSED DRAINAGE LONGITUDINAL SECTIONS

Date:
30.01.2023

Scale:
1:500H & 1:100V @A3

Drawn By:
AD

Checked By:
IB

Bowe Consulting Engineers

Carlow Gateway Enterprise Centre
Milly Road, Carlow