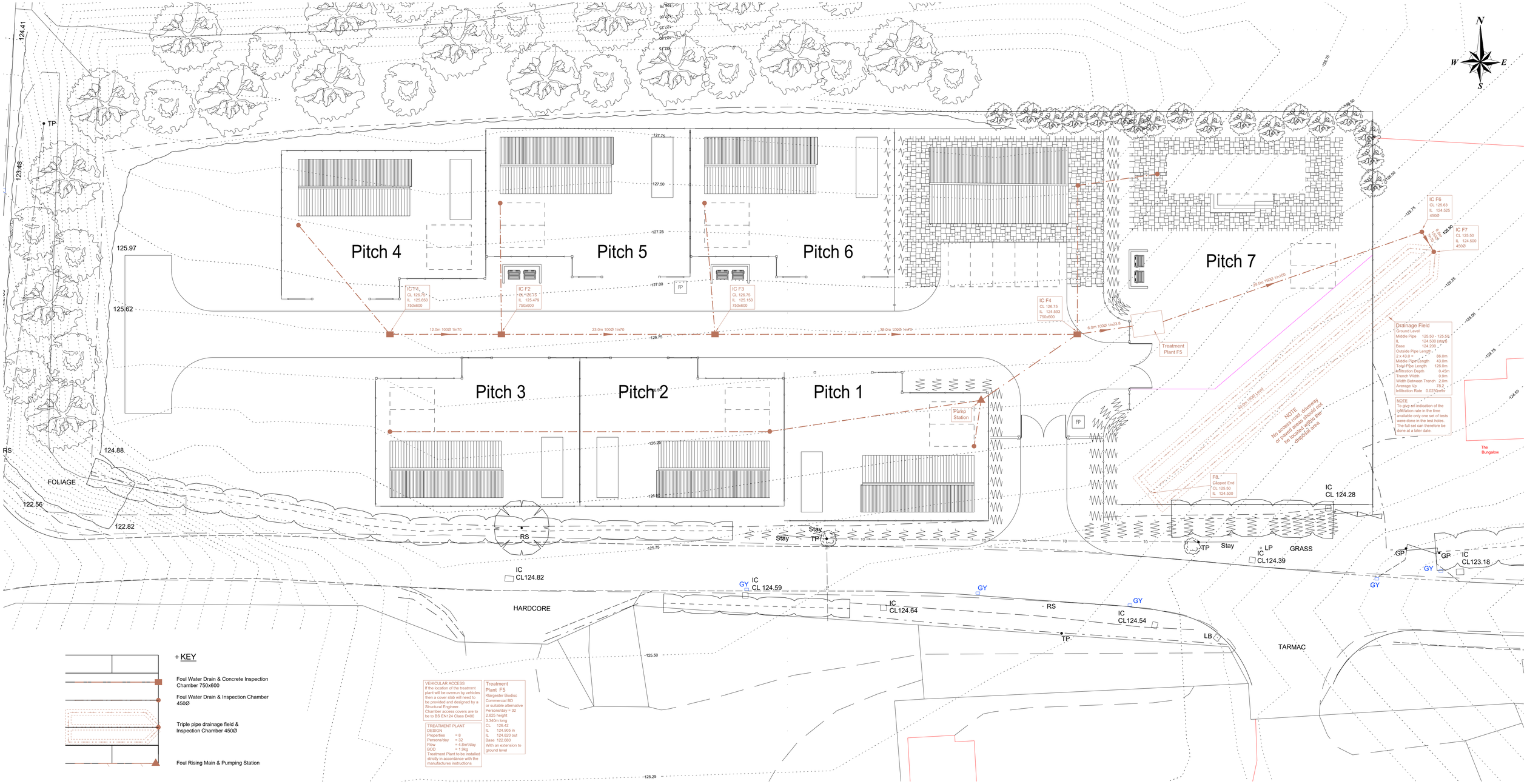


KEY

Foul Water Drain & Concrete Inspection Chamber 750x600

Foul Water Drain & Inspection Chamber 450Ø

Triple pipe drainage field & Inspection Chamber 450Ø

Foul Rising Main & Pumping Station

VEHICULAR ACCESS
If the location of the treatmnt plant will be overrun by vehicles then a cover slab will need to be provided and designed by a Structural Engineer.
Chamber access covers are to be to BS EN124 Class D400

TREATMENT PLANT DESIGN
Properties = 8
Persons/day = 32
Flow = 4.8m³/day
BOD = 1.9kg
Treatment Plant to be installed strictly in accordance with the manufactures instructions

Treatment Plant F5
Klargester Biodisc Commercial BD or suitable alternative
Persons/day = 32
2.625 height
3.340m long
CL 126.42
IL 124.905 in
IL 124.820 out
Base 122.680
With an extension to ground level

Notes

6. The contours have been obtained from the Ordnance Survey Terrain 5 DTM (Digital Terrain Model). This produces a typical accuracy level greater than 2m RMSE (Root Mean Squared Error). These contours and any level information must only be used as guide.

Notes from the Welsh Government's Building Regulations Approved Document H 2010.

1. A drainage field or mound serving a wastewater treatment plant or septic tank should be located:
   a. at least 10m from any watercourse or permeable drain;
   b. at least 50m from the point of abstraction of any groundwater supply and not in any Zone 1 groundwater protection zone;
   c. at least 15m from any building;
   d. sufficiently far from any other drainage fields, drainage mounds or soakaways so that the overall soakage capacity of the ground is not exceeded.
2. The disposal area should be downslope of groundwater sources.
3. No water supply pipes or underground services other than those required by the disposal system itself should be located within the disposal area.
4. No access roads, driveways or paved areas should be located within the disposal area.

Notes

1. Do not scale from this drawing.
2. All drawings are to be checked by the contractor and setting out engineer and read in conjunction with one another to ensure they are mutually compatible with each other before any setting out or construction commences.
   In the event of apparent ambiguity or contradiction the engineer and/or architect shall be notified immediately. Sumner Consultancy accepts no liability in the event of not being so notified and where construction work has commenced.
3. The site survey was produced by Invar Mapping Surveys Reference D1100-500 Date 10-07-14 Levels are to OS Datum by GPS Sumner Consultancy have not undertaken, nor have been instructed to undertake, any special investigations to verify the information provided. The Principle Contractor, sub contractors and others who may need to rely on this information must ascertain its accuracy before commencing the works. Sumner Consultancy accept no responsibility or liability for the accuracy of this information.
4. The site layout is an extract from Treveor Mennell Planning's Proposed Revised Site Layout Drawing No. 71298:1001 APP
   CAD Ref: 71298 1001 APP - PROPOSED SITE LAYOUT.
   Received on 26-09-22.
   This is shown for information purposes only and must not be used for setting out purposes.
   Sumner Consultancy have not undertaken, nor have been instructed to undertake, any special investigations to verify the information provided. The Principle Contractor, sub contractors and others who may need to rely on this information must ascertain its accuracy before commencing the works. Sumner Consultancy accept no responsibility or liability for the accuracy of this information.
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Revisions

Rev	Date	Description

ISSUED FOR PLANNING
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Drawing Size: A1

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Drawing Title: FOUL DRAINAGE

Scale: 1:200 | Drawn by: JRS | Date: September 2022

Drawing Number: 823-22-15 | Revision: