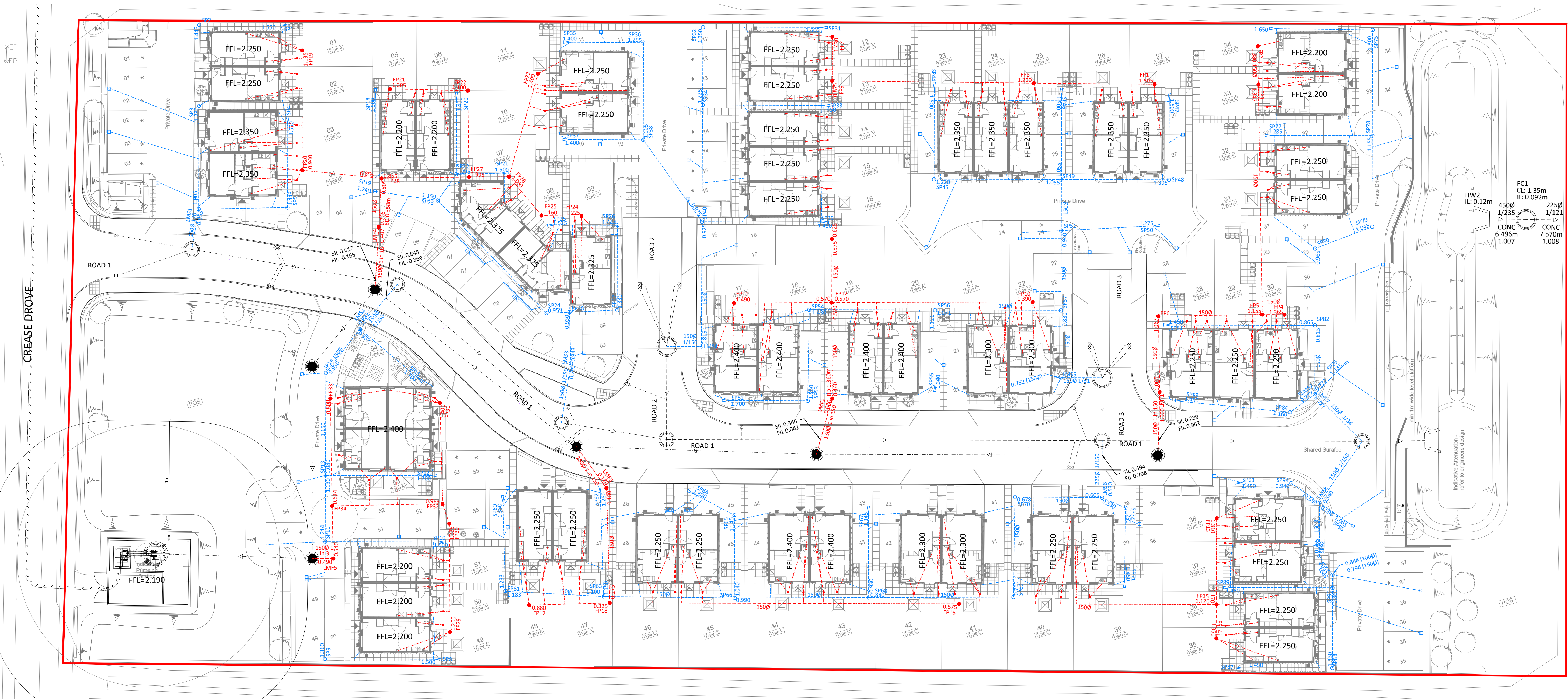




HIGH GROUNDWATER AND TRENCH INSTABILITY

Due to High Groundwater Table encountered there are potential issues with ingress of water within trenches. This can cause instability and collapse. Groundworker to ensure appropriate trench shoring up and de-watering works.

LOW STRENGTH ORGANIC SOILS

Due to the presence of organic soils designed levels have been kept to less than 1.3m build up to reduce the chance of settlement.

Buried services should be designed with flexible joints to allow the uptake of future movement cause by settlement of the soft soils beneath the site.

Ground reinforcement required where CBRs less than 2%. To be designed by a specialist.

Health, safety & the environment

In accordance with the Construction (Design and Management) Regulations 2015, the designs and details on this drawing have been the subject of a Designers Risk Assessment, to identify risks in the construction, use, or demolition of the scheme.

It is not considered necessary for Designers to highlight obvious and/or common risks (such as deep excavations, manual handling and working around heavy plant) which Contractors should be familiar with, and be able to control by good management and site practice.

So far as is reasonably practicable, the risks inherent in the design have been eliminated. Where it has been considered that elimination of a risk (or part of a risk) is not reasonably practicable, it has been reduced.

Significant unusual residual risks are identified on the drawing by use of a Yellow Caution Marker, beside the measures which have been adopted to eliminate and/or reduce them.

Refer to JPP Drawing No. 100 for Health & Safety Risks

This drawing has been based/developed using the following external drawings					
Type	Company	Drawing date	Drawing title	Date received	Rev
Topographical Survey	TCS Topo & Volumetric Surveys	Jul 2015	Topographical Survey July 2015	09.04.19	-
Topographical Survey	JPP	June 2020	XREF Topo (shows foul outfall MH 6701)	08.06.20	-
Site Layout	RGF	08.09.20	100-220/(90)001G External Works	28.01.21	G

JPP CONSULTING TO BE INFORMED IMMEDIATELY IF THESE DRAWINGS ARE NO LONGER CURRENT

General Notes

- All dimensions are in metres unless otherwise stated.
- All levels are in metres and are in relation to Ordnance Datum
- This drawing is to be read in conjunction with all relevant Engineers and Architect's drawings, Specifications, Reports and Engineering Details.
- Do not scale from this drawing.

Agreement	Approval Date
Section 278 (Works within the Existing Highway)	N/A
Section 38 (Highways adoption agreement)	Not Approved
Section 104 (Sewer adoption agreement)	Not Approved
Section 106 (Permission to discharge to public sewer)	Not Approved
Section 23 (Permission to discharge into watercourse)	Consent granted 09.04.20

DRAWINGS HAVE NOT BEEN APPROVED, UNTIL THE DRAWINGS ARE APPROVED THE DESIGNS AND DETAILS SHOWN ON THIS DRAWING ARE SUBJECT TO CHANGE

ANY WORKS UNDERTAKEN PRIOR TO TECHNICAL APPROVAL IS ENTIRELY AT THE CONTRACTOR'S RISK

Drawing key

- FFL=144.300
- Site boundary - taken from latest layout referenced
- Finished Floor Level
- Adoptable Section 104 foul water sewer with pipe diameter, gradient and manhole
- Adoptable Section 104 surface water sewer with pipe diameter, gradient and manhole
- Adoptable foul rising main
- Adoptable Section 38 trapped road gully and 150Ø connection
- Private surface water drainage run with 450mmØ inspection chamber for pipes 150mmØ and below, 600mmØ inspection chambers for 225mmØ
- Private foul water drainage run with 450mmØ inspection chamber for pipes 150mmØ and below, 600mmØ inspection chambers for 225mmØ
- Private foul water backdrop within 450mmØ inspection chamber
- Private foul water drainage run with private access chamber < 0.6m deep 225mmØ
- Private rodding eye
- Private trapped pot gully
- Linear drainage channel
- ACO channel

Rev	D	Run from FP1 amended following comment from client. Status updated to construction issue.
Rev	C	Foul design updated following comments from client
Rev	B	Drawing updated to suit client comments
Rev	A	Drawing updated to suit client comments

By RF	Checked TH	04.02.2021
By RF	Checked TH	29.01.2021
By RF	Checked TH	18.11.2020
By RF	Checked TH	04.11.2020

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- Infrastructure Design
- Structural Engineering
- Planning Services
- Geotechnical & Environmental
- Surveying
- Professional Advice

Drawn By:	RF	Client	Geda Construction
Chkd By:	TH	Project	Housing Development Crease Drive Crowland
Scale @ A1:	1:250	Title	Private Drainage Layout
Date:	September 2020		
Status:	CONSTRUCTION		
Project No.:	11557H	Drawing No:	112
Rev:	D		

