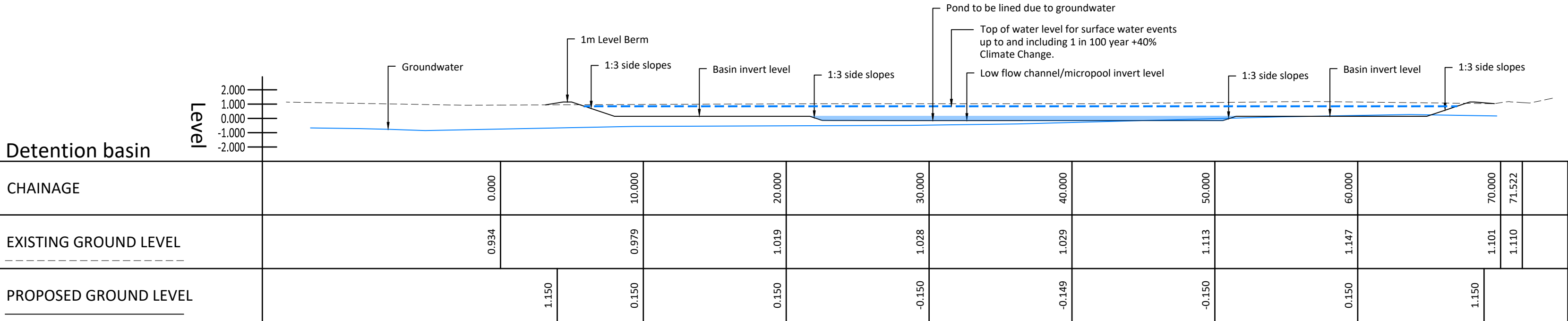
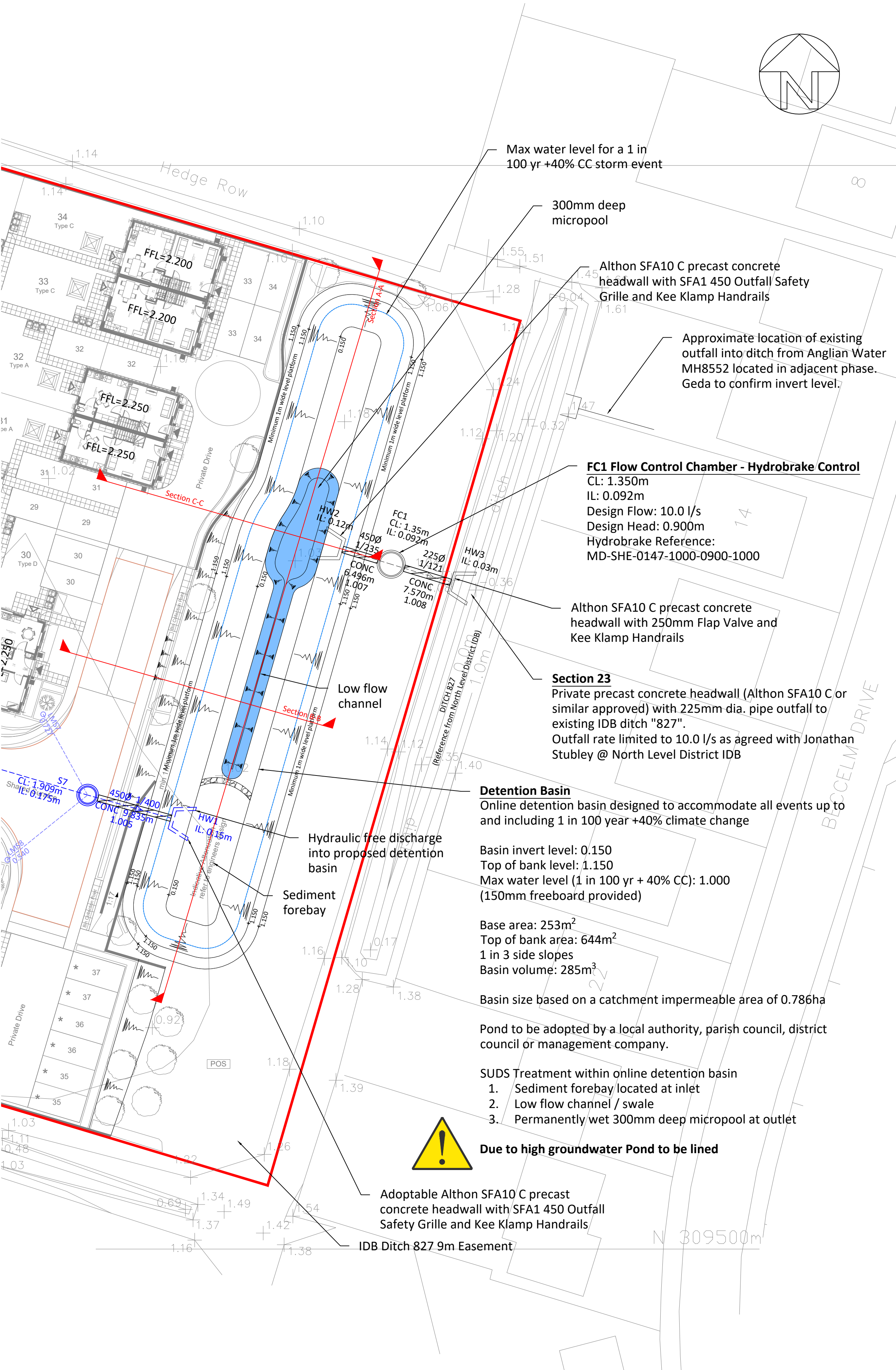
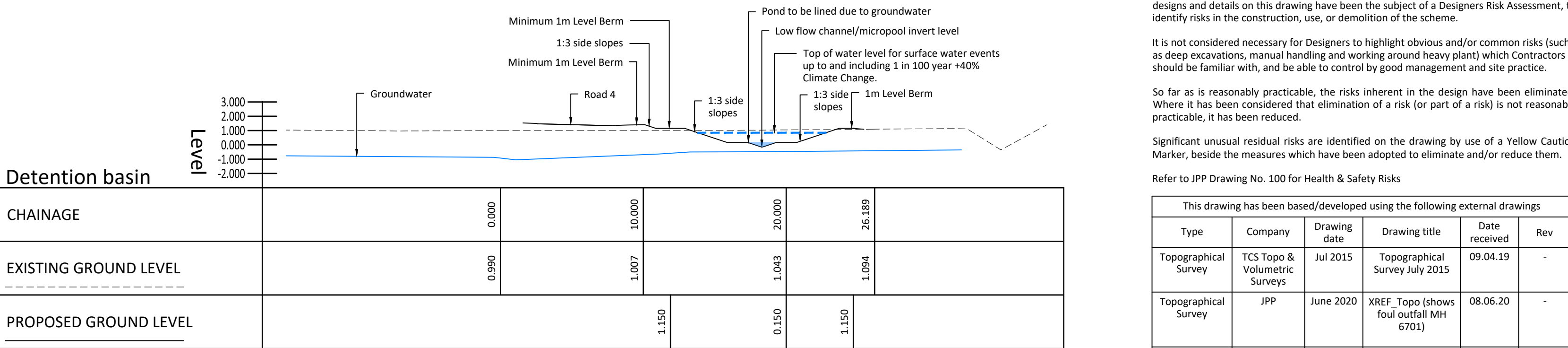
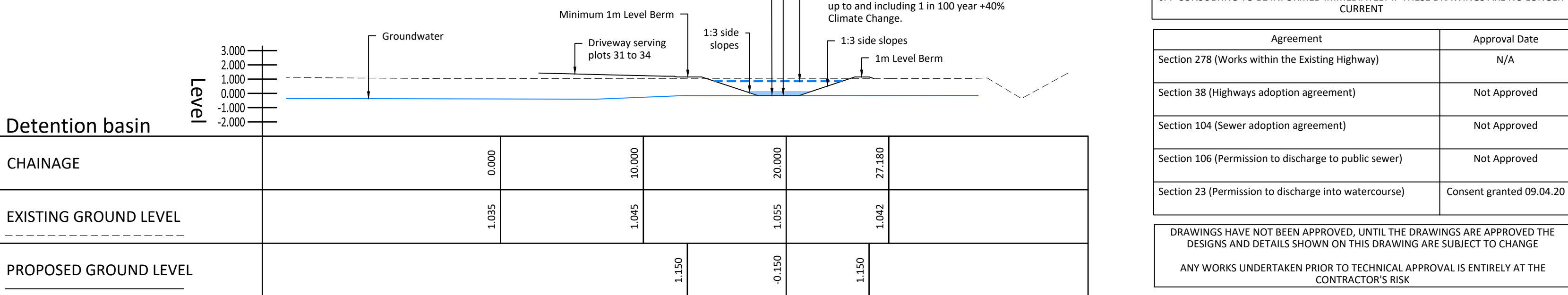




Section A-A



Section B-B



Section C-C



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	RGP	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					

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

THE SPECIFICATION IN ALL RESPECTS SHALL BE IN ACCORDANCE WITH THE CURRENT "LINCOLNSHIRE DEVELOPMENT ROADS & SUSTAINABLE DRAINAGE DESIGN GUIDE" AND "DEVELOPMENT ROAD AND SUSTAINABLE DRAINAGE SPECIFICATION AND CONSTRUCTION" PUBLICATIONS IN FORCE IN THE COUNTY AT THE TIME OF CONSTRUCTION.

General Notes

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

Engineering Layout

Drawing key

	Site boundary (Taken from latest site layout referenced below)
	Adoptable Section 104 foul water sewer with pipe diameter, gradient and manhole
	Adoptable Section 104 surface water sewer with pipe diameter, gradient and manhole
	Private surface water drainage run
	Adoptable Section 38 trapped road gully and 150Ø connection
	Private surface water drainage
	Private foul water drainage
	Finished Floor Level
	Existing ground level
	Existing contour

Rev	C	Drawing status updated to construction issue
Rev	B	Drawing updated to suit S104 and client comments
Rev	A	Drawing updated to current site layout

By RF	Checked TH	04.02.2021
By RF	Checked TH	03.11.2020
By RF	Checked TH	25.09.2020

Drawn By:	ML	Client	Geda Construction
Chkd By:	TH	Project	Housing Development
Scale @ A1:	1:500		Crease Drove
Date:	March 2020	Title	Crowland
Status:	CONSTRUCTION		Pond Details
Project No.:	11557H	Drawing No:	108
Rev:	C		



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