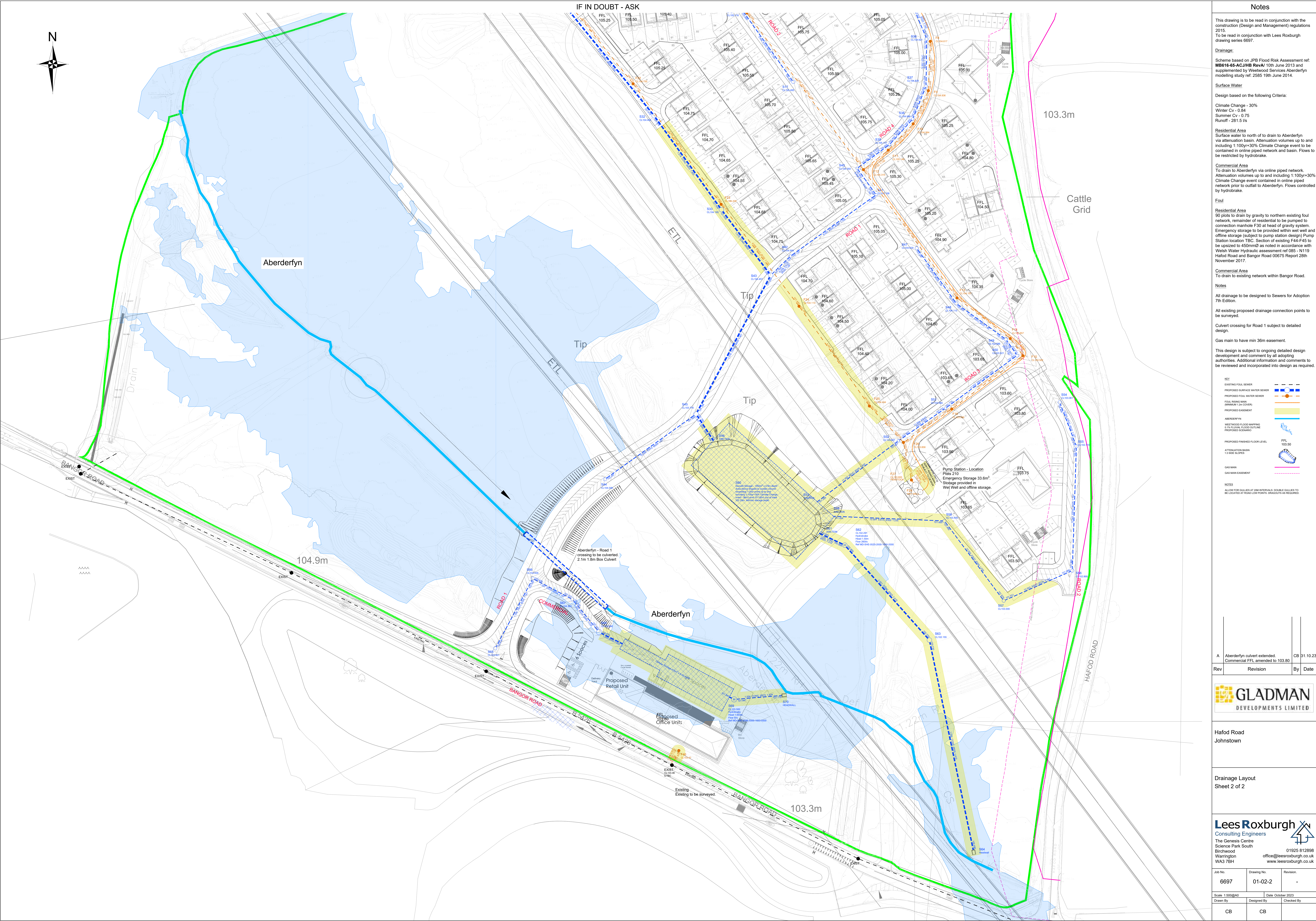




Notes

This drawing is to be read in conjunction with the construction (Design and Management) regulations 2015.
To be read in conjunction with Lees Roxburgh drawing series 6697.

Drainage:

Scheme based on JP8 Flood Risk Assessment ref: **MB616-65-ACJHB RevA** 10th June 2013 and supplemented by Weetwood Services Aberderfyn modelling study ref: 2585 19th June 2014.

Surface Water

Design based on the following Criteria:

Climate Change - 30%
Winter Cv - 0.34
Summer Cv - 0.75
Runoff - 281.5 l/s

Residential Area

Surface water to north of to drain to Aberderfyn via attenuation basin. Attenuation volumes up to and including 1:100yr+30% Climate Change event to be contained in online piped network and basin. Flows to be restricted by hydrobrake.

Commercial Area

To drain to Aberderfyn via online piped network. Attenuation volumes up to and including 1:100yr+30% Climate Change event contained in online piped network prior to outfall to Aberderfyn. Flows controlled by hydrobrake.

Foul

Residential Area

90 plots to drain by gravity to northern existing foul network, remainder of residential to be pumped to connection manhole F30 at head of gravity system. Emergency storage to be provided within wet well and offline storage (subject to pump station design) Pump Station location TBC. Section of existing F44-F45 to be upsized to 450mmØ as noted in accordance with Welsh Water Hydraulic assessment ref 085 - N119 Hafod Road and Bangor Road 00675 Report 28th November 2017.

Commercial Area

To drain to existing network within Bangor Road.

Notes

All drainage to be designed to Sewers for Adoption 7th Edition.

All existing proposed drainage connection points to be surveyed.

Culvert crossing for Road 1 subject to detailed design.

Gas main to have min 36m easement.

This design is subject to ongoing detailed design development and comment by all adopting authorities. Additional information and comments to be reviewed and incorporated into design as required.

KEY

EXISTING FOUL SEWER

PROPOSED SURFACE WATER SEWER

PROPOSED FOUL WATER SEWER

FOUL SUBSTANCES (MINIMUM 1.2m COVER)

PROPOSED EASEMENT

ABERDERFYN

WETLANDS FLOOD MAPPING 0.1% FLUANT FLOOD OUTLINE PROPOSED SCHEME

PROPOSED FINISHED FLOOR LEVEL

ATTENUATION BASIN 1:3 SLOPE

GAS MAIN

GAS MAIN EASEMENT

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