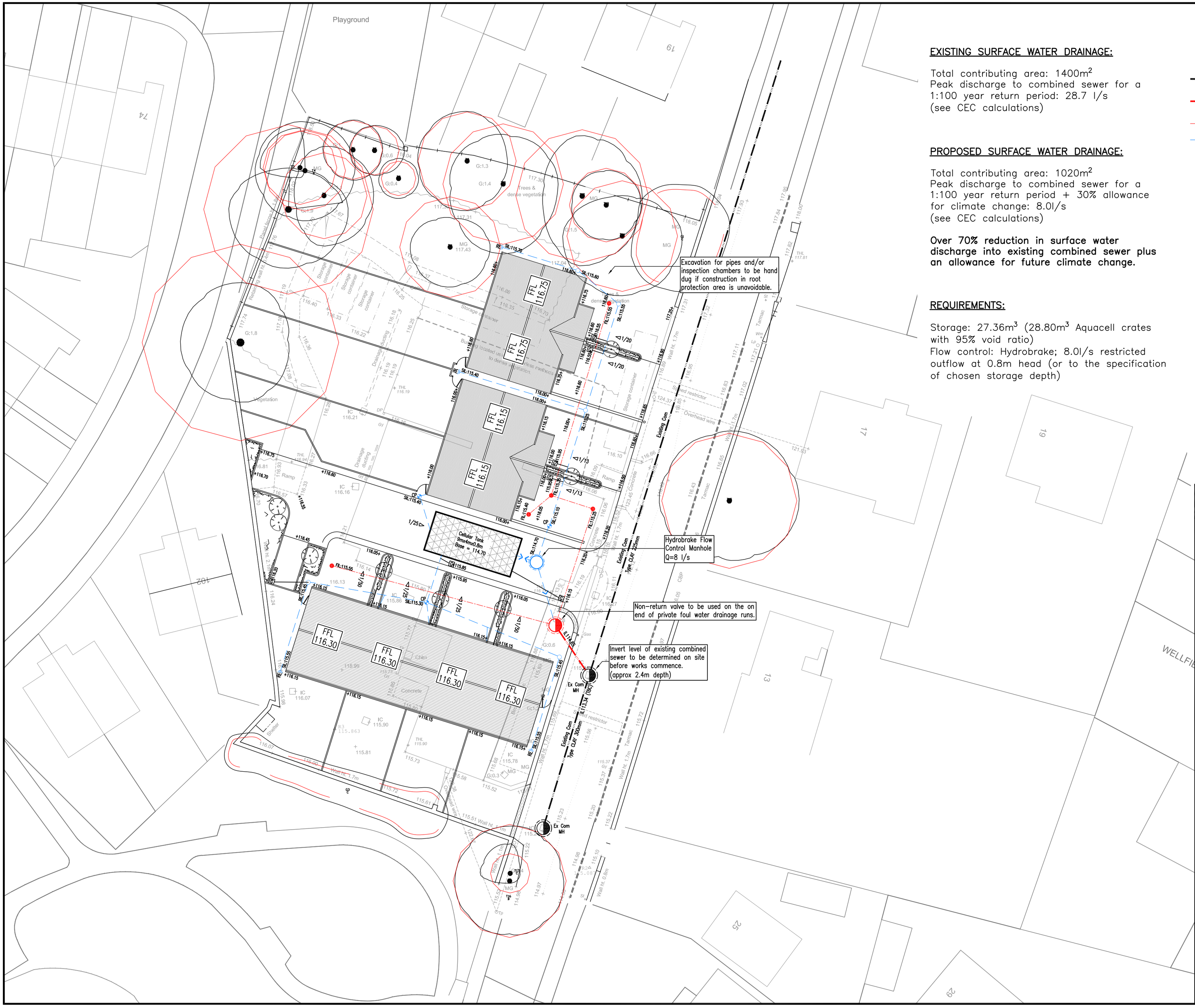

EXISTING SURFACE WATER DRAINAGE:

Total contributing area: 1400m^2
Peak discharge to combined sewer for a 1:100 year return period: 28.7 l/s
(see CEC calculations)

PROPOSED SURFACE WATER DRAINAGE:

Total contributing area: 1020m^2
Peak discharge to combined sewer for a 1:100 year return period + 30% allowance for climate change: 8.0l/s
(see CEC calculations)

Over 70% reduction in surface water discharge into existing combined sewer plus an allowance for future climate change.

REQUIREMENTS:

Storage: 27.36m^3 (28.80m^3 Aquacell crates with 95% void ratio)
Flow control: Hydrobrake; 8.0l/s restricted outflow at 0.8m head (or to the specification of chosen storage depth)

KEY:

- EXISTING COMBINED SEWER, MANHOLE AND DETAILS
- PROPOSED COMBINED SEWER, MANHOLE AND DETAILS
- PROPOSED FOUL WATER DRAIN, INSPECTION CHAMBER AND DETAILS
- PROPOSED SURFACE WATER DRAIN, INSPECTION CHAMBER AND DETAILS
- PROPOSED CATCH PIT
- PROPOSED RODDING EYE
- HIGHWAY GULLY & CONNECTION
- FFL 116.30 — PROPOSED FINISHED FLOOR LEVEL
- 1/60 — FALL INDICATORS
- +23.75 — PROPOSED SPOT LEVELS

No.	By	Date	Revision Details
A	RT	10.04.17	Drainage and tree locations updated to client comments

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Client
Guy Taylor Associates

Job Title
Proposed Residential Development
Hardy And Hanson Site
Summit Works
Dewsbury

Drawing Title
Drainage Strategy

Drawing Status:

FOR COMMENT	FOR PLANNING	FOR TENDER	FOR APPROVAL	FOR CONSTRUCTION	AS BUILT
X					

CONSTRUCTION AT CLIENT / CONTRACTOR RISK

Designed by:	Drawn by:	Checked by:
RT	RT	AD

Date	Scale
March 2017	1:250 @ A2

Drg. No.	Rev.
5585/01	A