ALL DIMENSIONS TO BE CHECKED BY CONTRACTOR

FFL 91.65

Potential bund to create visual and acoustic barrier

Potential bund to create visual and acoustic barrier

Attenuation Pond

Base level 82.90
Banks 1 in 3

Attenuation Volume 7365m³
1 in 100yr + 40% CC TWL 86.05
Min top of bank level 86.50

SHW A
SHW B
SHW C
SHW D

STILE

Dismantled Railway

B 6179

Current for Watermoune below Access

Bin Store

Recycling Containers

Footpath

Footpath

Footpath

MP

MP

Key :

- FFL 93.000 — Finished Floor Level
- Highway Drainage and Gully Connection to Swale (Not shown)
- Highway Swale
- Surface Water Drainage
- Porous Paving Parking Bay
- Linear Drainage Channel
- Bypass Petrol Interceptor
- Rainwater Harvesting Tank (Indicative - Size TBC by specialist to meet requirements for each unit)
- Foul Water Drainage
- Banking Works (max 1:3 unless otherwise stated)
- 1:15 — Fall Arrow
- 600 0.5m — Retaining Wall (Max height shown)

SURFACE WATER DESIGN SUMMARY

Overall Site Developed Area - 23 Ha

Development Impermeable Area - 10.1 Ha

The surface water drainage strategy has been prepared in accordance with the principles set out in Inspire Flood Risk Assessment GHL-1355-01-FRA - 002 April 2019

The discharge rate has been restricted to Qbar greenfield runoff rate.

As the impermable area of development has reduced since FRA was approved so discharge rate has been reduced on a pro rata basis to accord with reduction in impermable area to 53.0 l/s for all storm events upto and including critical 100yr + 40% CC storm event. Attenuation basin is sized according to provide storage volume required due to discharge rate restriction.

No urban creep allowance has been applied to Industrial Estate areas.

Surface Water system has been design in accordance with principles set out in the FRA including water quality treatment using a combination of SuDS techniques in accordance with Simple index method.

Surface Water discharges to be outfall via headwall at 53 l/s into Denby/Bottle Brook

REV	AMENDMENT	BY	DATE
P3	FFL Revised. Attenuation pond amended to be outside revised flood plain extents identified during flood modelling. Drainage Revised to Suit.	MWA	04.08.2022
P2	Indicative bunds removed.	MWA	01.03.2022
P1	Attenuation Pond - Additional information added	MWA	17.12.2021
P0	First Issue	MWA	10.12.2021

PROJECT EXECUTION CLASS: N/A

All materials supplied in relations to those specified on this drawing are to be CE marked in accordance with the European Union Declaration of conformity

PURPOSE OF ISSUE

PRELIMINARY

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CLIENT

GARNER HOLDINGS LTD

PROJECT

PHASE 2
DENBY HALL BUSINESS PARK

DRAWING TITLE

DRAINAGE STRATEGY
SHEET 3 OF 3

SHEET SIZE	SCALE	DATE	DRAWN	CHECKED	STATUS
A0	1:500	DEC 2021	MWA	CCE	-

CCE PROJECT No.	DRAWING No.	REV
C8093	8093-C-112	P3

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