ALL DIMENSIONS TO BE CHECKED BY CONTRACTOR

D3
D4
D5
D6
D7
R1
REF

Key :

- Existing Drainage Ditch/Stream
- Existing Drainage Ditch/Stream to be Removed/Diverted due to New Development
- New Diverted Drainage Ditch/Stream
- New Road / Path Crossing Culvert
- New Drainage Ditch/Stream to intercept green field runoff from adjacent land and route via Existing / Diverted Ditch Stream

This strategy has been developed to maintain the existing surface water runoff regime for the adjacent land and convey it through the development. Greenfield surface water runoff is currently intercepted by a network of shallow ditches and routed to discharge into the existing outfall ditch on the southern boundary of the site.

The existing surface water drainage conveying greenfield runoff from adjacent land will be retained where possible.

Where these cross the proposed development - the existing ditches will be realigned/diverted to convey existing flows through the development and outfall into the existing watercourse on the site southern boundary as existing.

The new re-aligned ditches / culverted sections replacing existing ditches will be of equivalent dimensions/capacity of the existing ditches they replace.

New ditches will be installed at the northern development boundary to intercept greenfield runoff from adjacent land and divert it so it does not discharge into the new development drainage system. This will ensure that greenfield runoff from adjacent land continues to discharge in accordance with the current surface water runoff flow routing.

This Strategy will maintain the existing drainage regime for the land to the north of the development. The SW drainage flows and outfall locations with remain at the existing pre-development levels.

This will not adversely impact the flood risk downstream of the development.

This will convey these flows freely through the new development site, ensuring these flows do not enter the new development surface water drainage network.

NOTE :

The drainage strategy for the new development retaining and attenuating flows back to greenfield runoff rates for all event upto 1 in 100 year + 40% will provide a significant reduction of peak runoff rates from the development site, in all events above in 1 in 1 year events.

FFL 103.25

FFL 94.85

FFL 91.65

Potential bund to create visual and acoustic barrier

Potential bund to create visual and acoustic barrier

Potential bund to create visual and acoustic barrier

Attenuation Pond
Base level 92.00
Spillway level 93.00
Attenuation Volume 7365m³
1 in 100yr + 40% CC 7361.46 m³
Top of Bank level 94.50

Dismantled Railway

Works

Stables

Denby Hall

DENBY HALL WAY

DERBY ROAD

POTTERY LANE

STREET LANE

ROMAN ROAD

B 6179

439600m
439800m
439000m
439200m
439400m
439500m
348100m
348000m
347900m
347800m
347700m
347600m
347500m
347400m

REV	AMENDMENT	BY	DATE
P2	FFL Revised. Attenuation pond amended to be outside revised flood plain extents identified during flood modelling. Drainage Revised to Suit.	MWA	04.08.2022
P1	Indicative bunds removed	MWA	01.03.2022
P0	First Issue	MWA	28.01.2022

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

COUCH
Consulting Engineers
Civil & Structural

The Old Forge, Priory, London Road, Cantwell, Sutton Coldfield, B75 5SH
Tel: 0121 308 7557
info@coeng.co.uk

14-16 St. Nicholas, Church Street, Warwick, CV34 4JD
Tel: 01926 409 036

Genesis Centre, 18 Innovation Way, Stoke-on-Trent, ST6 4BF
Tel: 01782 366 160
www.coeng.co.uk

CLIENT

GARNER HOLDINGS LTD

PROJECT

PHASE 2
DENBY HALL BUSINESS PARK

DRAWING TITLE

DITCH/ STREAM DIVERSION STRATEGY

SHEET SIZE	SCALE	DATE	DRAWN	CHECKED	STATUS
A0	1:1000	DEC 2021	MWA	CCE	-

CCE PROJECT No.	DRAWING No.	REV
C8093	8093-C-113	P2

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