



- Notes**
- Do not scale this drawing. All dimensions must be checked/verified on site. If in doubt ask.
 - This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
 - All dimensions in meters unless noted otherwise. All levels in metres unless noted otherwise.
 - Any discrepancies noted on site are to be reported to the engineer immediately.
 - This drawing should be printed and read in colour.
- Design Notes**
- Masterplan based on 'Dearadh 2u' plan ref. TW2-D2U-00-00-DR-L-00125. Storyline General Arrangement Plan-D07.
 - Ditch connection subject to LLFA approval.
 - Downpipe locations indicative only - to be confirmed by Architect.
 - All manhole lids subject to vehicular loading to have D400 lids. All others to be B125.
 - Manholes within block paved areas to have recessed lids to allow continuation of surfaces.
 - Manhole/chamber access covers to be orientated in the same direction as any hard landscaping pavers/flags.
 - All permeable sub-bases formation levels to fall to perforated pipework.
- Legend**
- Red line boundary
 - Existing private SW drain / manhole
 - Proposed diversion to existing SW drainage
 - FW drain (I/D & gradient)
 - SW drain (I/D & gradient)
 - Type A Filter Drain System
 - Type B Filter Drain System
 - Type C Filter Drain System
 - Class Z Pipe Installation
 - Rodding Eye
 - Drainage channel with sump at outlet
 - FW manhole / access chamber
 - SW manhole / access chamber
 - Hydro-Brake flow control manhole
 - Headwall
 - Attenuation tank
 - Permeable paving
 - Existing ditch / watercourse
 - Culvert
 - Drainage to be abandoned
 - Retaining Feature
- Abbreviations:**
FW - foul water
SW - surface water
CW - combined water
U/S - upstream
D/S - downstream
mAOd - meters above Ordnance Datum
- MH - manhole**
CL - cover level
IL - invert level
I/D - internal diameter
BD - backdrop
EX - existing

C16	02.05.26	Hydrobrake specs added	ST	ST
C15	02.03.26	Filter drain extents updated	KJ	ST
C14	04.02.26	Filter drain added as clouded	TC	ST
C13	24.11.25	Drainage in the clouded area updated to suit latest masterplan	KJ	ST
C12	23.10.25	Pond amended to prevent erosion	ST	ST
C11	13.10.25	Minor note amendments	ST	ST
C10	10.10.25	Minor note amendments	ST	ST
C09	03.09.25	S24f and S24h removed	ST	ST
C08	21.08.25	Updates in clouded areas	ST	ST
C07	13.08.25	ACO specs added	ST	ST
C06	21.07.25	Updates in clouded areas	ST	ST
C05	14.07.25	Updates in clouded areas	KJ	ST
C04	11.07.25	Updates in clouded areas	KJ	ST
C03	03.07.25	Construction issue - changes made in clouded areas	KJ	ST

Rev	Date	Details of Issue	Drawn	Rwd
Issues & Revisions				

Consultant

HEXA



Project Title
TWYCROSS ZOO

Drawing Title
SURFACE WATER
DRAINAGE - SHEET 1 OF 2

Drawn By	AW	Reviewed By	AS
Hexa Ref	600902	Scale at A1	1:250

Purpose of Issue
STAGE 5

Project - Originator - Zone - Level - Type - Role - Number
TWZ-HEX-XX-XX-DR-C-9200

Status
A

Revision
C16

