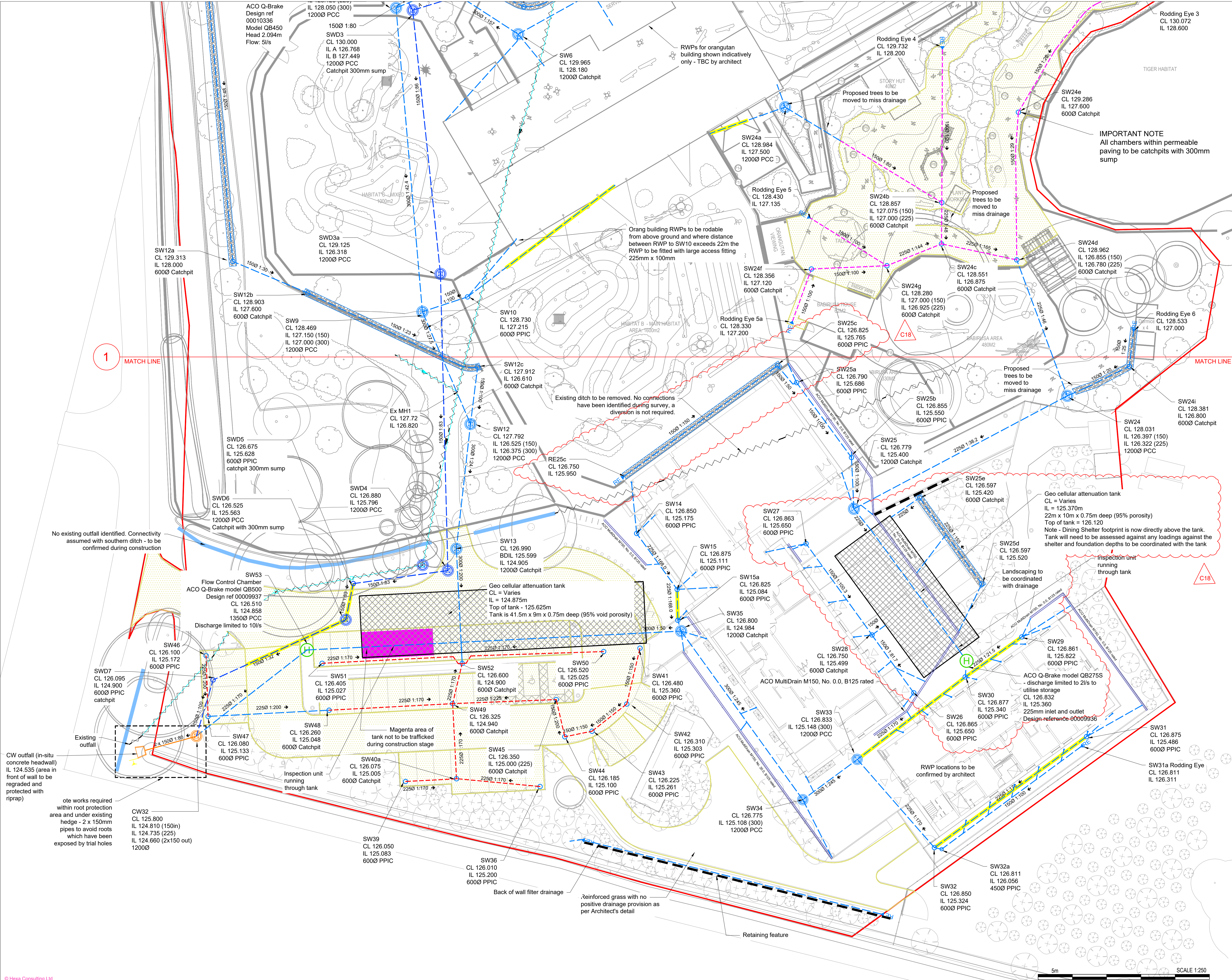




Notes

- 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

- Ditch connection subject to Lead Local Flood Authority (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	MH - manhole
SW - surface water	CL - cover level
CW - combined water	IL - invert level
U/S - upstream	I/D - internal diameter
D/S - downstream	BD - backdrop
mAOD - meters above Ordnance Datum	EX - existing

Issues & Revisions

Rev	Date	Details of Issue	Drawn	Rwd
C19	02.05.26	Hydrobrake specs added	TC	ST
C18	04.02.26	Filter drain extents updated in clouded area. Drainage updated to suit latest masterplan in clouded area	KJ	ST
C17	04.02.26	Filter drain added as clouded	TC	ST
C16	12.12.25	Chamber type and positions of SW52 and SW50 updated in clouded area	KJ	ST
C15	24.11.25	Drainage in the clouded area updated to suit latest masterplan	KJ	ST
C14	29.10.25	Channel Drain Specification Changed	KJ	ST
C13	16.10.25	Additional drainage run next to resi to pick up additional RWPs	ST	ST
C12	10.10.25	Minor note amendments	ST	ST
C11	13.08.25	Back of r/wall filter drain added	ST	ST
C10	29.08.25	Outfall headwall changed to in situ concrete	ST	ST
C09	21.08.25	Updates in clouded areas + RWP updates	ST	ST
C08	13.08.25	ACO specs added	ST	ST

Consultant

Client

Project Title

TWY CROSS ZOO

Drawing Title

SURFACE WATER DRAINAGE - SHEET 2 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-9201

Status

A

Revision

C19