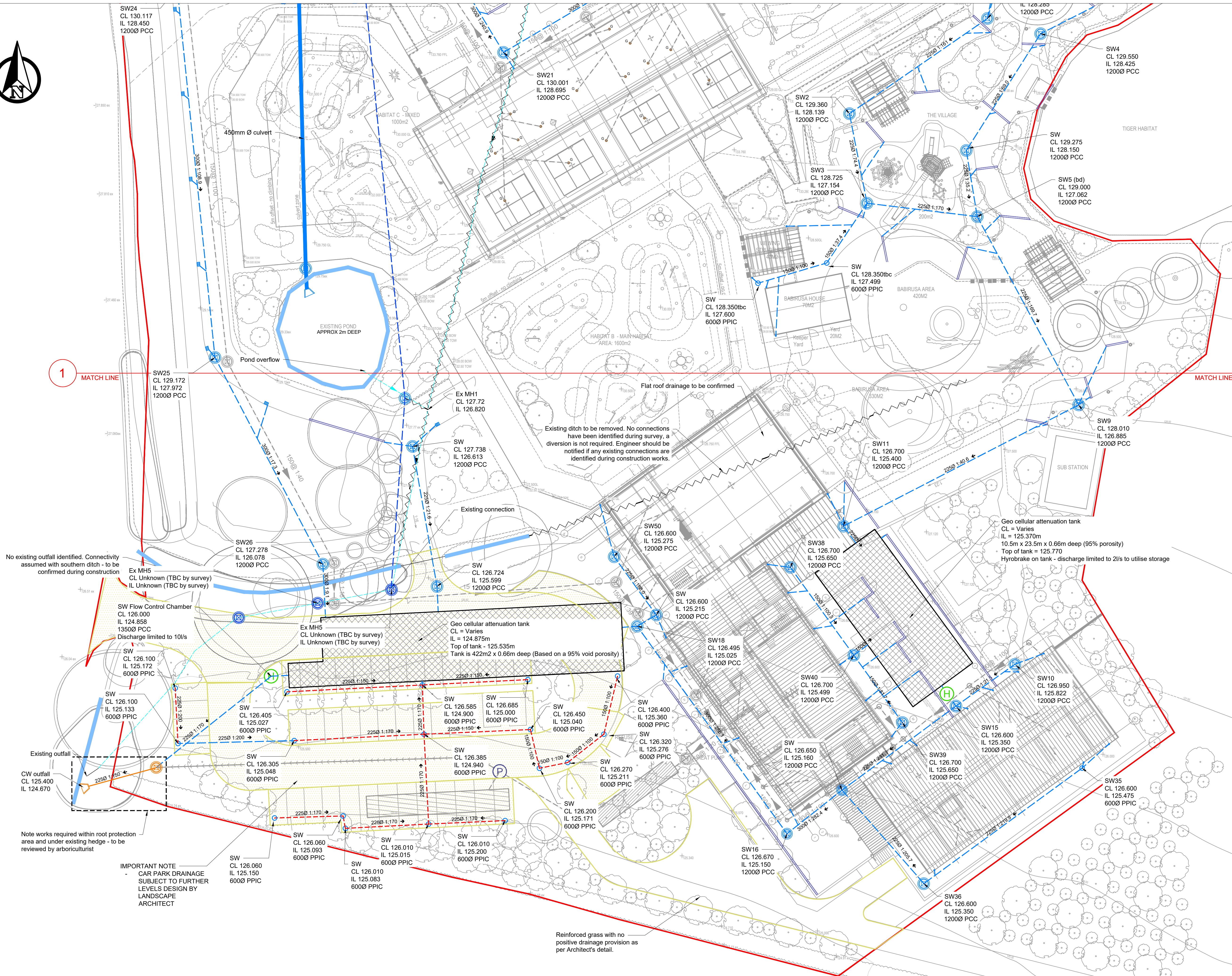
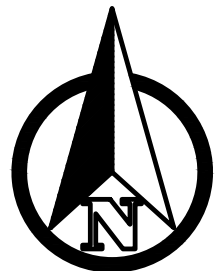




- Notes**
- Do not scale this drawing. All dimensions must be checked/verified on site. If in doubt ask.
 - This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
 - All dimensions in meters unless noted otherwise. All levels in 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**
- Cover levels in line with Landscape Architect drawings ref P22009-00-01-DZ-0107 Levels Plan, received 27.11.24.
 - Connection to ditch subject to Lead Local Flood Authority (LLFA), Environment Agency approval and a Land Drainage Consent.
 - Proposed ditch culvert pipework sizes to be agreed with LLFA.
 - Infiltration design based on infiltration rate of 6.0 x 10⁻⁷m/s - 0.00216m/hr (2.16mm/hr). It is recommended that additional testing is undertaken at soakaway formation depth prior to construction.
 - 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.

- 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)
 - Perforated pipe
 - 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

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

5m SCALE 1:250

P03	07.02.25	Car park drainage amended	HW	ST
P02	03.12.24	Draft Stage 4 Issue	AW	AS
P01	26.07.24	First Issue	AW	AS
Rev	Date	Details of Issue	Drawn	Rwd

Issues & Revisions

Consultant

HEXA



Project Title
TWYCROSS 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 4

Project - Originator - Zone - Level - Type - Role - Number
TWZ-HEX-XX-XX-DR-C-9201

Status
S3

Revision
P03