

NOTES:

1. THIS DRAWING IS FOR SAB SUBMISSION ONLY.
2. PROPOSED FOUL AND SURFACE WATER NETWORK SHOWN INDICATIVELY, DETAILS TO BE CONFIRMED AT DETAILED DESIGN.
3. THE SPECIFICATION IN ALL RESPECTS SHALL BE IN ACCORDANCE WITH THE CURRENT WREXHAM COUNTY COUNCIL (WCC) SPECIFICATION AND CONSTRUCTION PUBLICATIONS IN FORCE IN THE COUNTY AT THE TIME OF CONSTRUCTION.
4. DRAINAGE STRATEGY IS SUBJECT TO APPROVAL FROM THE LLFA, WCC, DWR CYMRU WELSH WATER (DCWW) AND NATURAL RESOURCES WALES (NRW).
5. ALL PRIVATE DRAINAGE WILL BE CONSTRUCTED IN LINE WITH BUILDING REGULATIONS PART H.
6. ALL ADOPTED DRAINAGE WILL BE CONSTRUCTED INLINE WITH LLFA REQUIREMENTS.
7. KERBING SURROUNDING SuDS FEATURES IS TO BE INSTALLED TO ENSURE ADEQUATE DRAINAGE OF THE SURROUNDING IMPERMEABLE AREAS. KERBS ARE TO BE FLUSH, OR WHERE UPSTANDS ARE REQUIRED, THE KERBS ARE TO BE SPACED TO FACILITATE DRAINAGE.
8. ROOT BARRIERS ARE TO BE INSTALLED WHERE SEWERS ARE WITHIN 1.5m OF PROPOSED/ EXISTING TREES.
9. PIPE MATERIAL AND SPECIFICATION TO BE AGREED BETWEEN THE CONTRACTOR AND LLFA PRIOR TO COMMENCING WORK.
10. ALL TRAFFICKED COVERS AND GRATINGS TO BE TO D400 LOAD CLASSIFICATION AND B125 FOR NON-TRAFFICKED.
11. PROPOSED CONNECTION TO FOUL SEWER SUBJECT TO DCWW APPROVAL.
12. OTHER DCWW SEWER DIVERSIONS/ DIVESTMENTS ARE NOT ILLUSTRATED ON THIS DRAWING.
13. EXISTING DRAINAGE TO BE REMOVED AND DIVERTED WITHIN THE PROPOSED BUILDING FOOTPRINT.
14. SURFACE WATER DISCHARGE REQUIRES LLFA, SAB AND NATURAL RESOURCES WALES APPROVAL.
15. FOUL DESIGN CONNECTS ONTO THE EXISTING SEWER WITHIN THE SITE AND WILL FORM THE POINT OF CONNECTION FOR THE PROPOSED BUILDINGS. CONNECTION REQUIRES A S106 AGREEMENT WITH DCWW.
16. CONDENSATE DRAINS DISCHARGE ARE ASSUMED TO BE TRADE EFFLUENT AND REQUIRE A TRADE EFFLUENT AGREEMENT WITH DCWW.
17. TOGGLEBLOCK INCLUDED AS EMERGENCY SHUT OFF ON CHAMBER SW35. ADDITIONAL TOGGLEBLOCK MAY BE REQUIRED.

Rev	Date	Description	By	Apvd
P5	25.03.24	ISSUE FOR PLANNING	WS	GS
P4	06.03.23	ISSUE FOR REVIEW	JH	GS
P3	19.02.23	ISSUE FOR REVIEW	JA	GS
P2	12.10.23	PRE-APP SAB SUBMISSION	JA	GS
P1	28.08.23	PRELIMINARY ISSUE	JA	GS

PROJECT:
Project Sakura

TITLE:
PROPOSED DRAINAGE STRATEGY

CLIENT:
TSL Limited

SCALE@A1:
1:500

PROJECT REF:
23284

DRAWING No: 23284-JUB-ZZ-XX-DR-C-0501

REV: P5

Revision Referencing
P = Preliminary A = Approval T = Tender C = Construction

Jubb
Bristol, Cardiff, Plymouth, Winchester
2A Oak Tree Court, Cardiff Gate Business Park, Cardiff
jubb.uk.com
+44(0)292 052 4444

APPENDIX G: ECOLOGICAL COMPLIANCE AUDIT EXAMPLE

Cyfoeth Naturiol Cymru

Natural Resources Wales

Ecological Compliance Audit

Species: Great Crested Newt

A. Licensing

Natural Resources Wales licence reference number:		Site name:	
		Site grid reference:	
Name of licence holder:		Name of developer if different from licence holder:	
Name of Licence Ecologist and Organization:		Planning Permission Condition	Yes/No If yes: Application No:

Name and Organization of Ecological Compliance Auditor		Type Of Audit	☐ Internal ☐ External ☐ Combination of Internal and External ========== ☐ Ecological Clerk of Works
Name and Organization of Ecological Compliance Audi Verifier	☐ Not Applicable ☐ Name and Address:	Type of Verification	☐ Internal ☐ External
Number of Ecological Compliance Audits (ECA')		Intervals between Audits	☐ 3 Months ☐ 4 Months ☐ 6 Months ☐ Other
Date licence issued (dd/mm/yy):	Date licence expired:	Licence implemented between (dd/mm/yy)	
		From:	To:

Amendment 1			
Amendment 2			

B. Schedule of Ecological Compliance Audit Completion and Dissemination

Audit Number	Date Completed	Date Issued to Licence Holder	Date Issued to NRW/Other
1			
2			
3			
4			

C. Performance Indicators

The audit to be conducted in accordance with NRW compliance audit guidelines.

No	**Performance Indicator**	**Evidence required** - this list should be adapted to reflect the agreed method statement	**Pass (Yes/No), comments.** **State if photographic evidence has been used**	**What action is required as a result of findings?**
1	Before starting work the licensee will advise NRW Species Officer of the date the works will start.	Written or electronic documentation of notification of start of works.	☐ Yes ☐ No	
2	A suitably experienced licensed ecologist will be appointed and retained during the life time of this licence to provide on-site advice.	Letter, contract or other document outlining the appointment of an Ecologist for the lifetime of the project. This to be supplied.	☐ Yes ☐ No	
3	Prior to the start and throughout the duration of any works on site, all site workers will be inducted by the Project Ecologist. This induction will cover the legal status of the species, the method of working, and action to be taken if protected species are encountered.	Copy of documents from ecological induction, showing content of induction. List of induction attendees will be provided.	☐ Yes ☐ No	
4	Preparation and implementation of a bio-security risk assessment	Bio-security risk assessment is available for inspection.	☒ Yes ☐ No	

	as detailed in E.5 of the method statement	Log of implementation of bio security measures is available for inspection and shows that they have been implemented. Field observations shows that physical evidence of biosecurity measures are available, eg footwashes		
5	Licence available for inspection by any police constable or employee of Natural Resources Wales	Licence is available for inspection on site	☐ Yes ☐ No	
6	No agent of the licensee shall act under licence unless they are in possession of a letter signed by the licensee appointing them by name as the duly accredited agent of the licensee for the purposes of this licence, and shall carry with them the said letter and a copy of this licence and shall produce them to any police constable or employee of the Natural Resources Wales or other authorised person on demand	All relevant accredited agents have copies of licence holder's letter of authorization. Licence holder's letter is available for inspection.	☐ Yes ☐ No	
	E.1 GCN capture and exclusion			

7	Different species of newt and other amphibians to be held and transported in separate containers		Log of activities, including use of containers is available for inspection Log shows that amphibians have been transported within separate containers Containers are available for inspection	☐ Yes ☐ No	
8	Netting to be used only when all other methods		Log of activities, including use of netting, is available for inspection Log shows that netting was onmly use		
9	Design and installation of amphibian fencing to the specifications provided in the CCW guidance sheets/ EN (2001) and as detailed in the method statement:			☒ Yes ☐ No	
10	Amphibian fencing has been subject to inspection and maintenance according to CCW guidance sheets/ EN (2001) and as detailed in the method statement throughout the			☒ Yes ☐ No	

	translocation and construction periods.			
11	Works within amphibian habitats will not commence until working areas are confirmed to be clear of amphibians by the licensed ecologist.	Log of activities, including clearance activities, is available for inspection recording captures.	☒ Yes ☐ No	
12	Any works outside the amphibian fence are to be in accordance with a methodology as approved by NRW supervised by a licensed person.	Log of works undertaken, including evidence of licensed person on site, available for inspection. The log book will be kept at; A log book will be kept available that demonstrates all works done under licence and in accordance with the method statement that has been agreed.	☒ Yes ☐ No	
	E.2/E3 GCN habitat modification and creation for mitigation and compensation			
13	All mitigation and compensation measures have been implemented as per section E2 and E.3 of the Method Statement:	Log of works demonstrates habitat creation /enhancement implementation which is provided in the sites ecological management plan.	☒ Yes ☐ No	

14	The habitat conservation areas on site has been subject to appropriate management during construction as specified in section E.2.1 of the Method Statement	Log and field observation show that appropriate management activities have been implemented.	☒ Yes ☐ No	
15	The implementation of measures or procedures to evidence development and associated works, including any mitigation and or compensation, are being carried out in compliance with licence condition and provisions of the method statement.	Log and/or other recording systems that evidences procedures and other measures document compliant implementation of the method statement. This may include log maintained by the licensed ecologist to provide a record of all measures implemented to ensure compliance with the relevant parts of E.2/ E.3.	☒ Yes ☐ No	
	F and H: Long Term Site proposals			
16	Implementation of habitat/site management and maintenance and, habitat monitoring as detailed in F.1 and F.2 of the method statement	If audit undertaken during development phase: - Habitat management plan demonstrates measures are in place to ensure ongoing ecological land management are	☒ Yes ☐ No	

		in line with the ecological management plan which has been produced for the site.		
17	Implementation of <u>population monitoring</u> as detailed in F.2 of the method statement	If audit undertaken <u>during development phase</u>: - monitoring plan demonstrates measures are in place to undertake GCN population monitoring post-development. If audit undertaken <u>post-development</u>: - log or report demonstrate monitoring plan has been implemented log or report demonstrate results passed to local record centre including upload of data into the online Wales GCN Monitoring Scheme	☒ Yes ☐ No	
18	Implementation of long term site safeguard proposals as detailed in F.4, H.1 and H.2 of the method statement	Log of works demonstrates implementation eg: (i) land transfer or other legal interest proposal (ii) mitigation/compensation site been listed as a local land charge (iii) proposed legal agreements and contracts been completed (iv) wardening requirements implemented to proposed timescales and	☒ Yes ☐ No	

		in accordance with the submitted Method Statement (v) financial plan in place to resource mitigation, compensation, monitoring, site management or wardening		

Any other points to note/comments from auditor:			
Photographic Evidence ☒ Yes ☐ No		**If Yes, Please attach to completed report**	
Auditor Name		**Date Completed**	
Auditor Signature			
Date ECA Submitted to License Holder		**Date ECA Submitted to License Holder**	

Copy of this to be sent to;

Name	Organization	Date

Draft Oct 2019