

LEGEND
— Site Boundary

1	Updated details	18/05/23
0	Issued for information	20/10/2022
REV	COMMENT	DATE



Unit 8, Commerce Park
 Brunel Road
 Theale
 Reading
 RG7 4AB
 01189 167340

Columbus House
 Greenmeadow Springs
 Torgwyntia
 Cardiff
 CF15 7NE
 02920 368636

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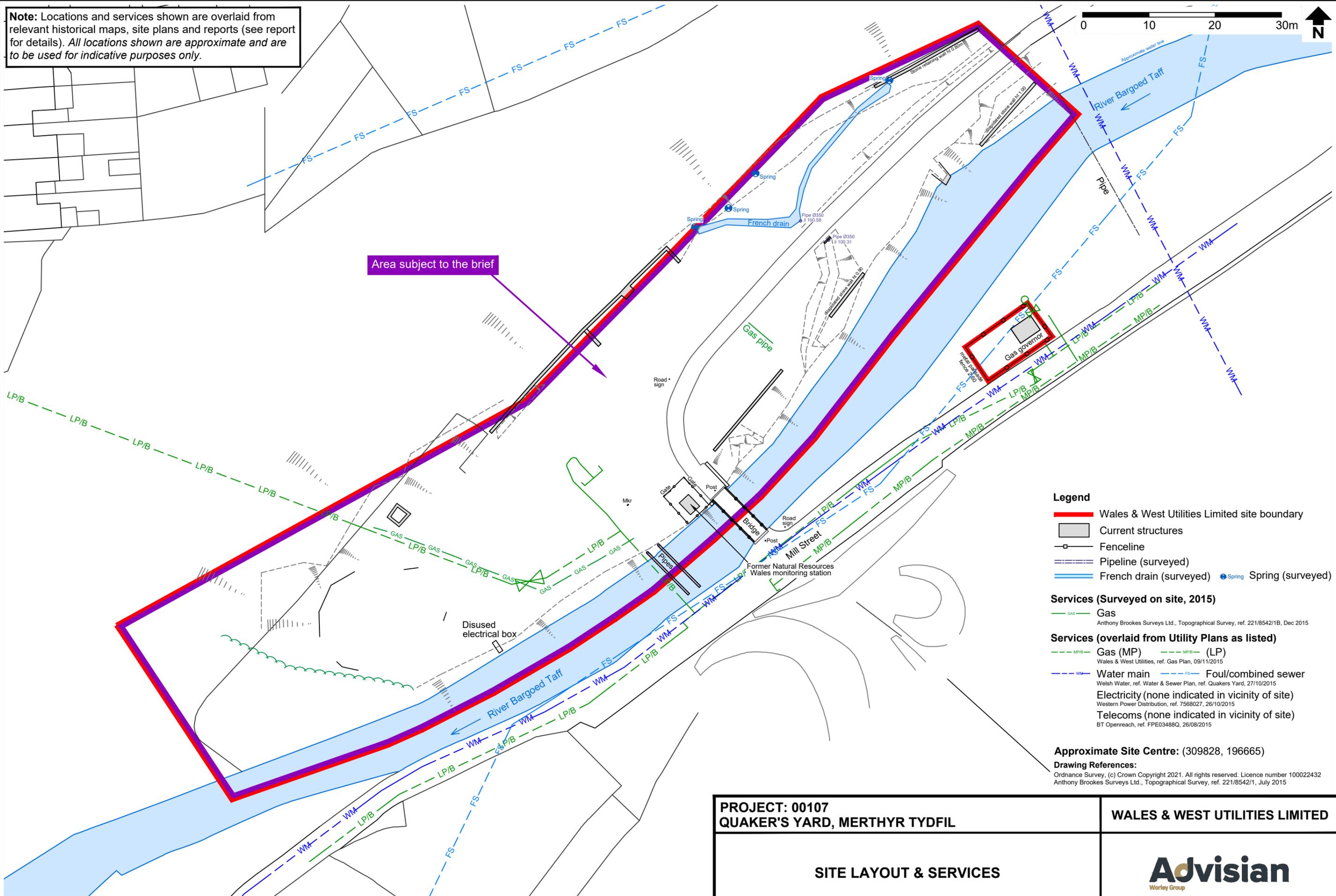


Client
 Quakers Yard, Treharris

Title
 Site Location Plan

Drawn by CC	Checked Date SK 20/10/2022	Authorised Date SK 20/10/2022
Original Scale N.T.S	Date 20/10/2022	Rev 0
Drawing Number D1871/23/5302/A1		Paper A3

Note: Locations and services shown are overlaid from relevant historical maps, site plans and reports (see report for details). All locations shown are approximate and are to be used for indicative purposes only.



Area subject to the brief

- Legend**
- Wales & West Utilities Limited site boundary
 - Current structures
 - Fenceline
 - Pipeline (surveyed)
 - French drain (surveyed)
 - Spring (surveyed)
- Services (Surveyed on site, 2015)**
- Gas
- Anthony Brookes Surveys Ltd., Topographical Survey, ref. 221/8542/1B, Dec 2015
- Services (overlaid from Utility Plans as listed)**
- - - Gas (MP) - - - (LP)
 - - - Water main - - - Foul/combined sewer
- Wales & West Utilities, ref. Gas Plan, 09/11/2015
Welsh Water, ref. Water & Sewer Plan, ref. Quakers Yard, 27/10/2015
Western Power Distribution, ref. 7568027, 26/10/2015
Electricity (none indicated in vicinity of site)
Telecoms (none indicated in vicinity of site)
BT Openreach, ref. FPE03488Q, 26/08/2015

Approximate Site Centre: (309828, 196665)

Drawing References:
Ordnance Survey, (c) Crown Copyright 2021. All rights reserved. Licence number 100022432
 Anthony Brookes Surveys Ltd., Topographical Survey, ref. 221/8542/1, July 2015

PROJECT: 00107
QUAKER'S YARD, MERTHYR TYDFIL

WALES & WEST UTILITIES LIMITED

SITE LAYOUT & SERVICES



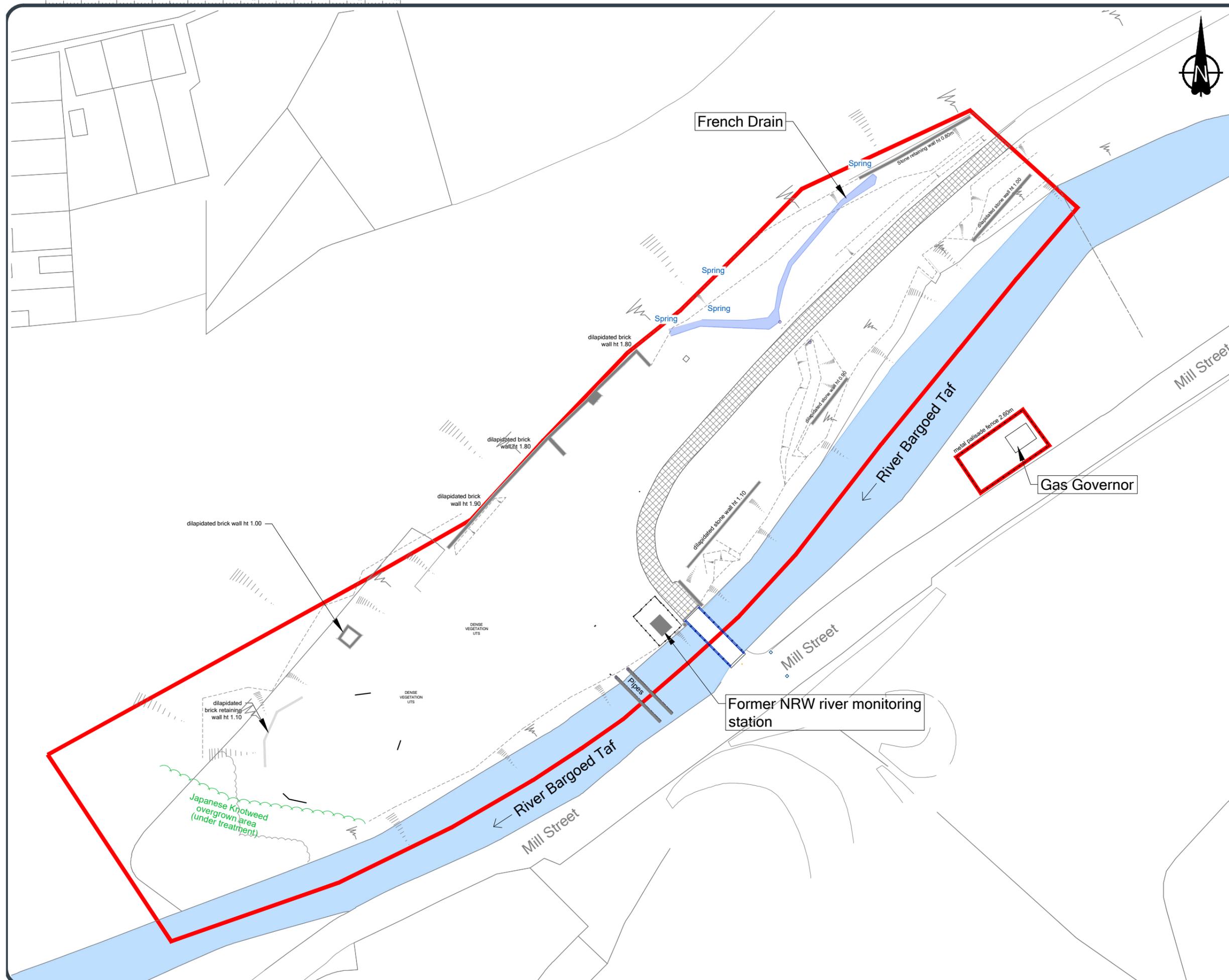
DRAWN BY PM	STATUS DRAFT	APPROVER -	PAPER SIZE A2	DATE MAR 2022	SCALE 1:500	OFFICE BRISTOL	T +44 (0)117 925 1304 www.advisian.com	FIGURE 3	REV -
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LEGEND

- WWU Limited Site Boundary
- Tarmac
- Current Structures
- Pipeline (surveyed)
- French Drain (surveyed)
- Spring (surveyed)

NOTE: Site is heavily wooded



1	Details amended	18/05/2023
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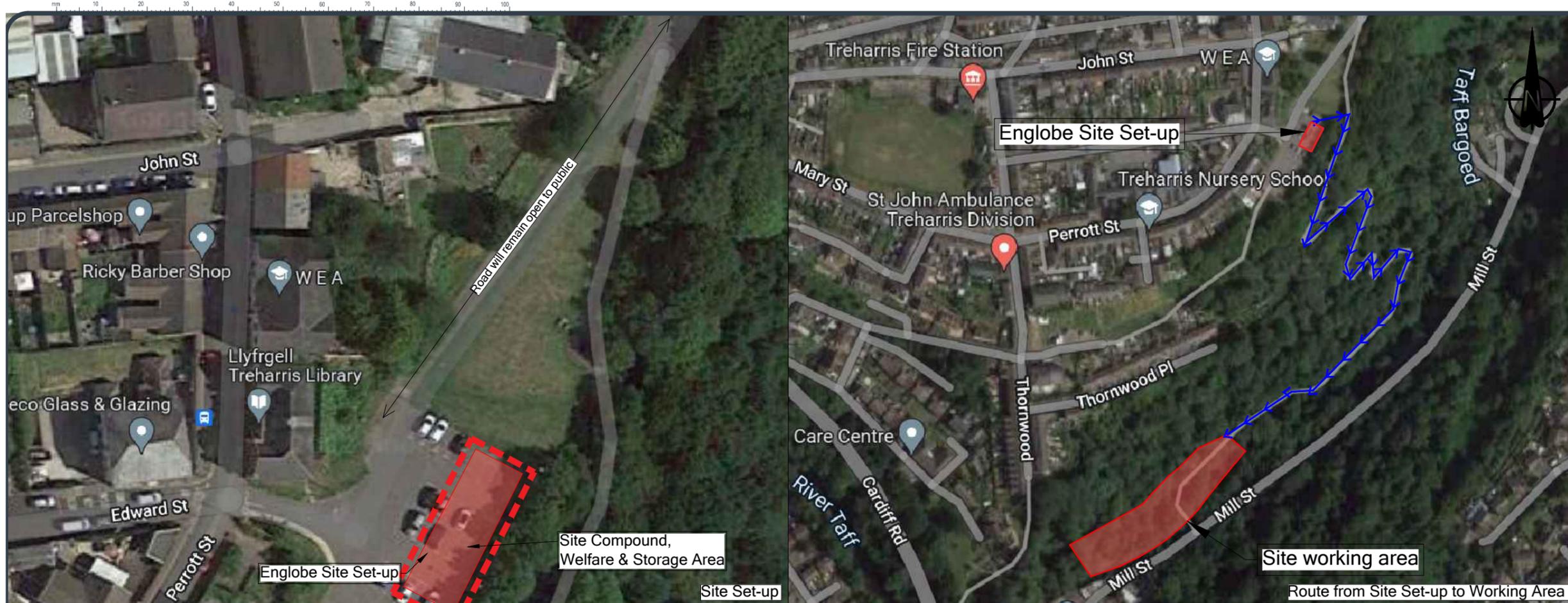
Unit 8, Commerce Park Brunel Road Theale Reading RG7 4AB 01189 167340	Columbus House Greenmeadow Springs Torgwyntia Cardiff CF15 7NE 02920 368636	enquiries@englobecorp.com www.englobecorp.com
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Client **WALES & WEST UTILITIES**

Project
Quakers Yard, Treharris

Title
Site Layout

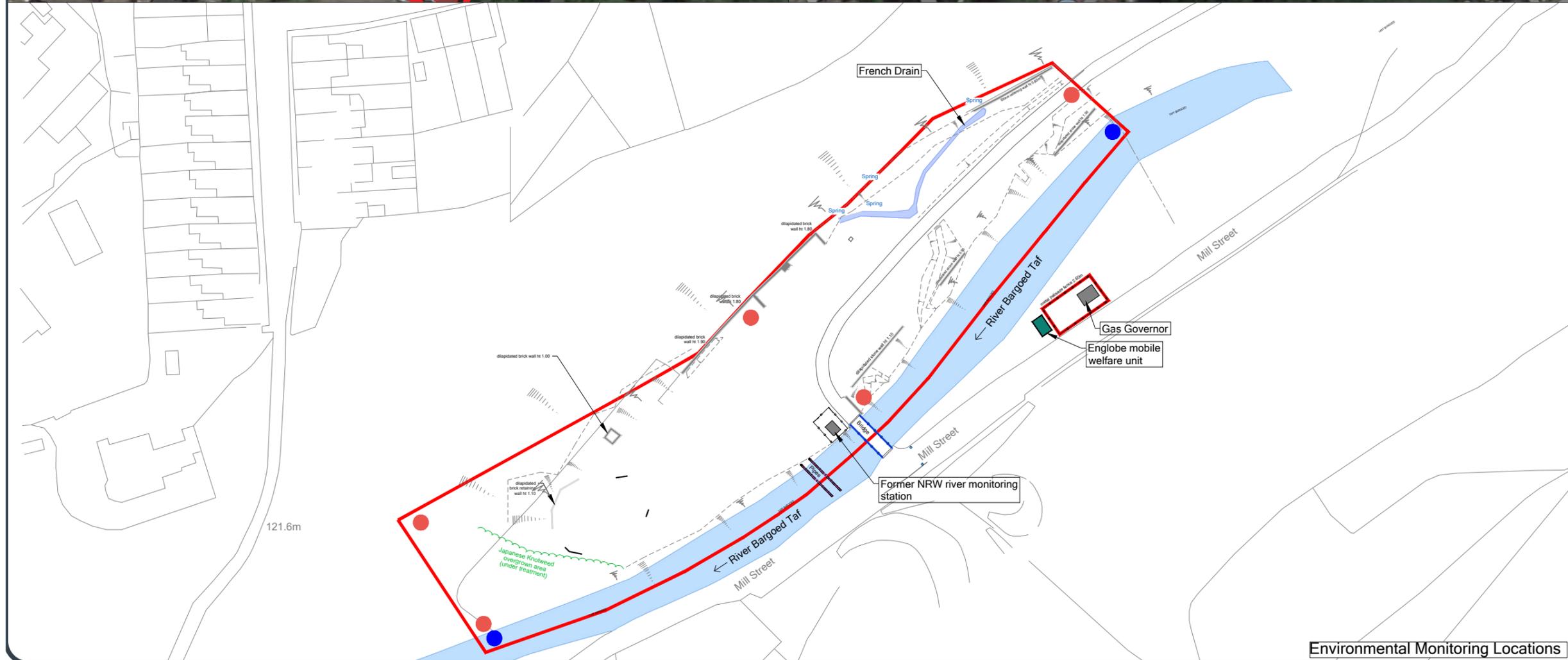
Drawn by CC	Checked Date SK 20/10/2022	Authorised Date SK 20/10/2022
Original Scale 1:500	Date 20/10/2022	Rev 1
Drawing Number D1871/23/5302/A2		Paper A3





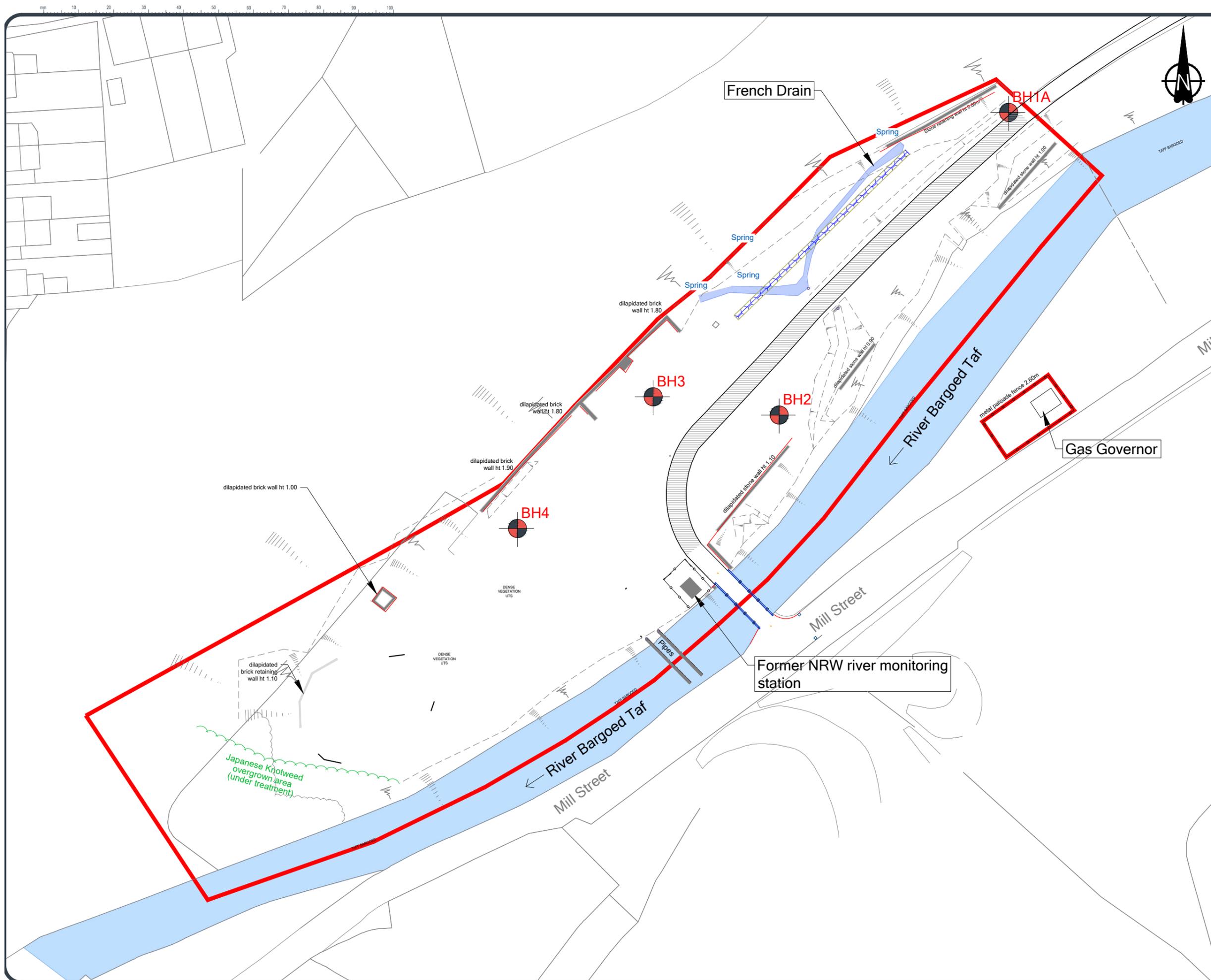
LEGEND

- WWU Limited Site Boundary
- Englobe Site Set-up boundary
- Access route between Englobe Site set-up and Site Working Area (will be closed to the public)
- Mobile Welfare Unit
- Environmental Monitoring Locations
- River Monitoring Locations



1 Updated information 18/05/2023 0 Issued for information 20/10/2022 REV COMMENT DATE	
	
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Project Quakers Yard, Treharris	
Title Site Set-up and Environmental Monitoring Locations	
Drawn by CC	Checked Date SK 20/10/2022
Original Scale N.T.S	Date 20/10/2022
Drawing Number D1871/23/5302/A3	Authorised Date SK 20/10/2022
Rev 1	Paper A3

Environmental Monitoring Locations



- LEGEND**
- WWU Limited Site Boundary
 - Englobe Borehole

0	First Issue	08/06/23
REV	COMMENT	DATE



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Client
Quakers Yard, Treharris

Title
Borehole Survey Locations

Drawn by CC	Checked Date SK 08.06.23	Authorised Date SK 08.06.23
Original Scale 1:500	Date 08.06.23	Rev 1
		Paper A3

Drawing Number
D1871/23/5270/A4

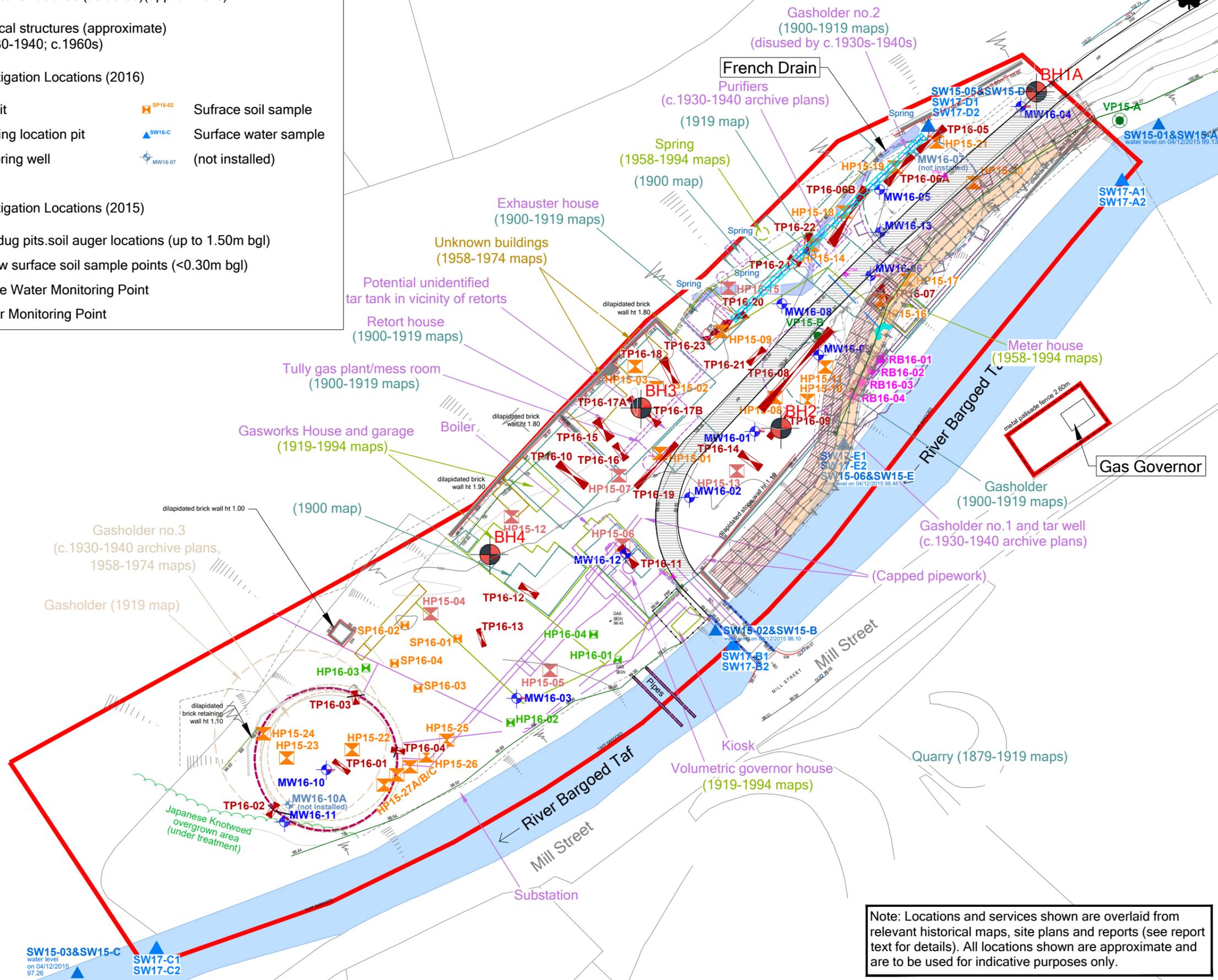
Legend

- Fenceline
 - Historical structures (as dated)(approximate)
 - Historical structures (approximate) (c. 1930-1940; c.1960s)
 - Pipework
- Advison Site Investigation Locations (2016)**
- TP16-06A Trial Pit
 - SP16-02 Surface soil sample
 - HP16-03 Servicing location pit
 - MW16-04 Monitoring well
 - SW16-C Surface water sample
 - MW16-07 (not installed)
- Advison Site Investigation Locations (2015)**
- Hand-dug pits.soil auger locations (up to 1.50m bgl)
 - Shallow surface soil sample points (<0.30m bgl)
 - Surface Water Monitoring Point
 - Vapour Monitoring Point



LEGEND

- WWU Limited Site Boundary
- Current Structures
- Pipeline (surveyed)
- French Drain (surveyed)
- Spring (surveyed)



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ENLOBE

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WALES & WEST UTILITIES

Project
Quakers Yard, Treharris

Title
Previous Site Investigations and Historical Features

Drawn by CC	Checked Date SK 20/10/2022	Authorised Date SK 20/10/2022
Original Scale 1:500	Date 20/10/2022	Rev 1
Drawing Number D1871/23/5302/A5		Paper A3

Note: Locations and services shown are overlaid from relevant historical maps, site plans and reports (see report text for details). All locations shown are approximate and are to be used for indicative purposes only.



Legend

- Fenceline
- Historical structures (as dated)(approximate)
- Historical structures (approximate) (c. 1930-1940; c.1960s)
- Pipework



LEGEND

- WWU Limited Site Boundary
- Current Structures
- Pipeline (surveyed)
- French Drain (surveyed)
- Remediation Areas
- Gasholder stabilisation
- Asbestos removal works (as shown)
- Foundation removal works (as shown)
- Excavation works (as shown)
- Demolition works (as shown)
- Pipework removal works (as shown)
- Source Area A
- Source Area B
- Source Area C

Turnover and excavation of unsaturated made ground. Grub up foundations to 1.50m below formation.

Excavate and stabilise gasholders

Remove foundations

Gas Governor

Asbestos hot spot removal

Remove pipework

Hotspot removal:
Excavate and screen overlying soils, break out foundation and crush

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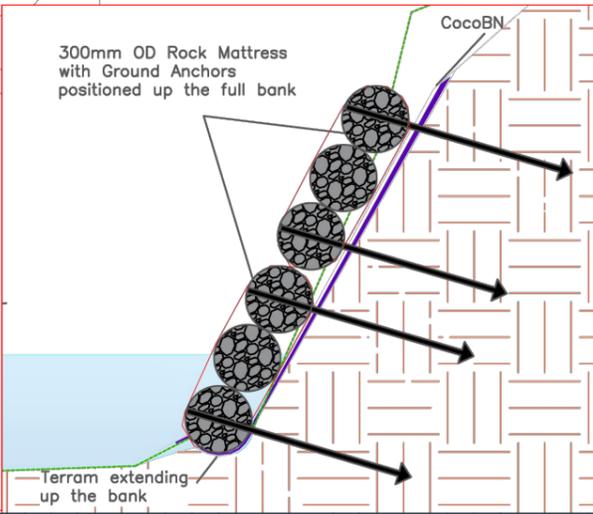
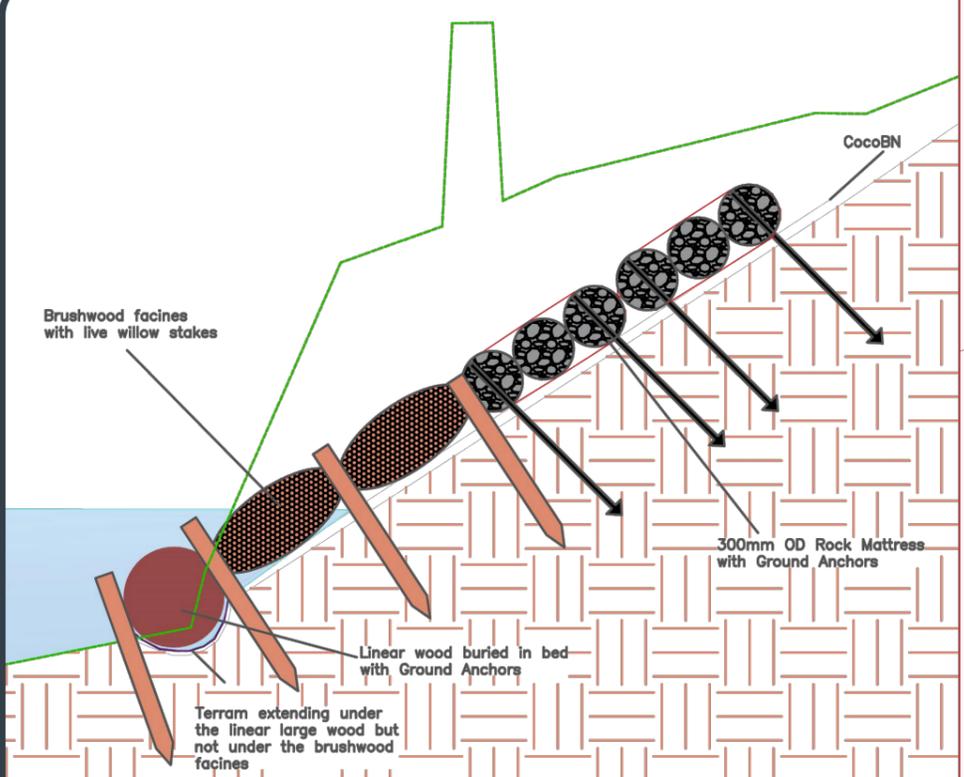
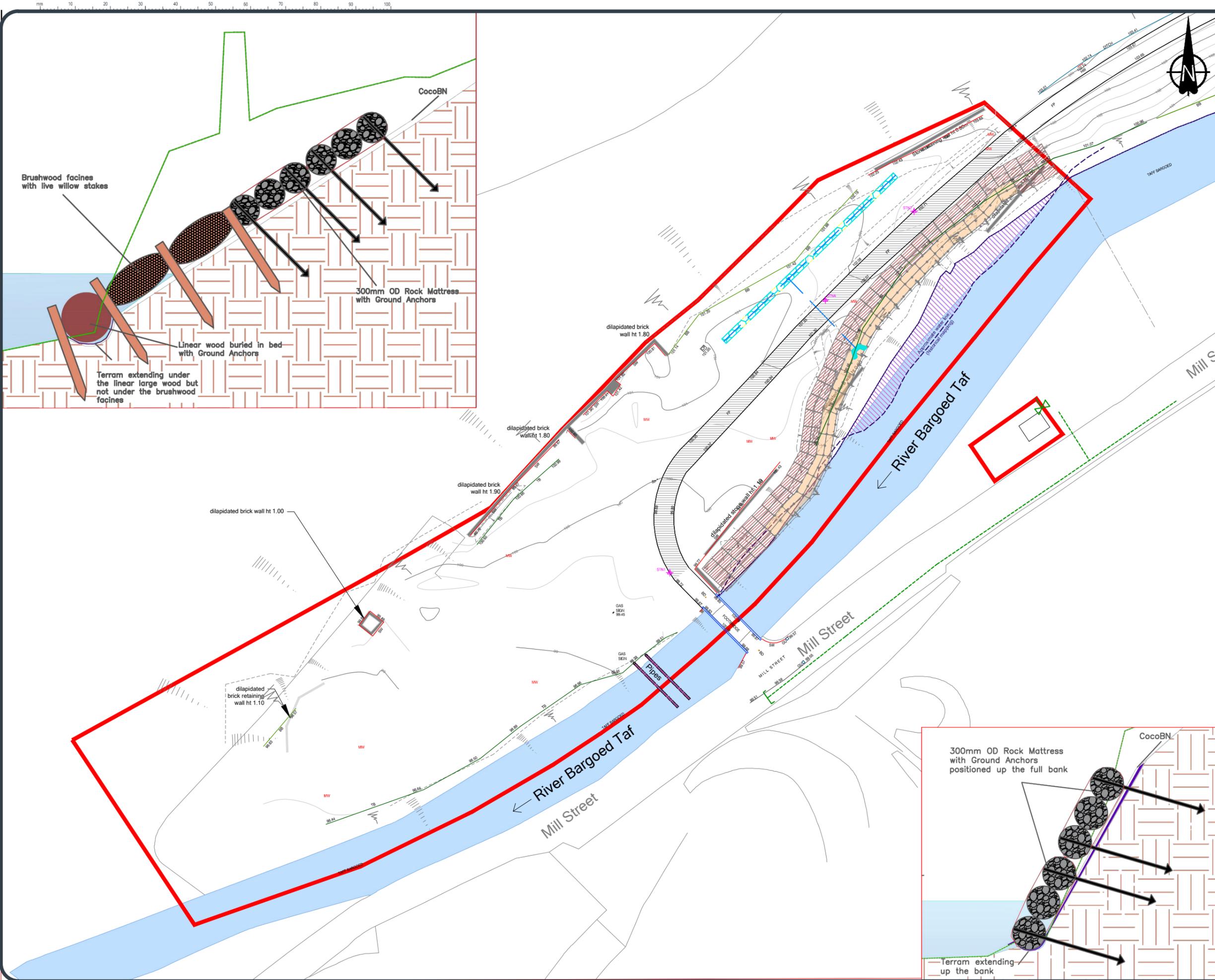
Client

WALES & WEST UTILITIES

Project
Quakers Yard, Treharris

Title
Remediation Areas

Drawn by CC	Checked SK	Date 20/10/2022	Authorised SK	Date 20/10/2022
Original Scale 1:500	Date 20/10/2022	Rev 1	Paper A3	
Drawing Number D1871/23/5302/A6				



ENGLOBE

LEGEND

- WWU Limited Site Boundary
- Current Structures
- Pipeline (surveyed)
- French Drain (surveyed)
- Brushwood facies
- ▨ Proposed rock mattress bank protection
- Live willow stakes
- △ Large wood toe protection

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Client

WALES & WEST UTILITIES

Project
Quakers Yard, Treharris

Title
Final Site Conditions

Drawn by CC	Checked SK	Date 20/10/2022	Authorised SK	Date 20/10/2022
Original Scale 1:500	Date 20/10/2022	Rev 1	Paper A3	
Drawing Number D1871/23/5302/A7				

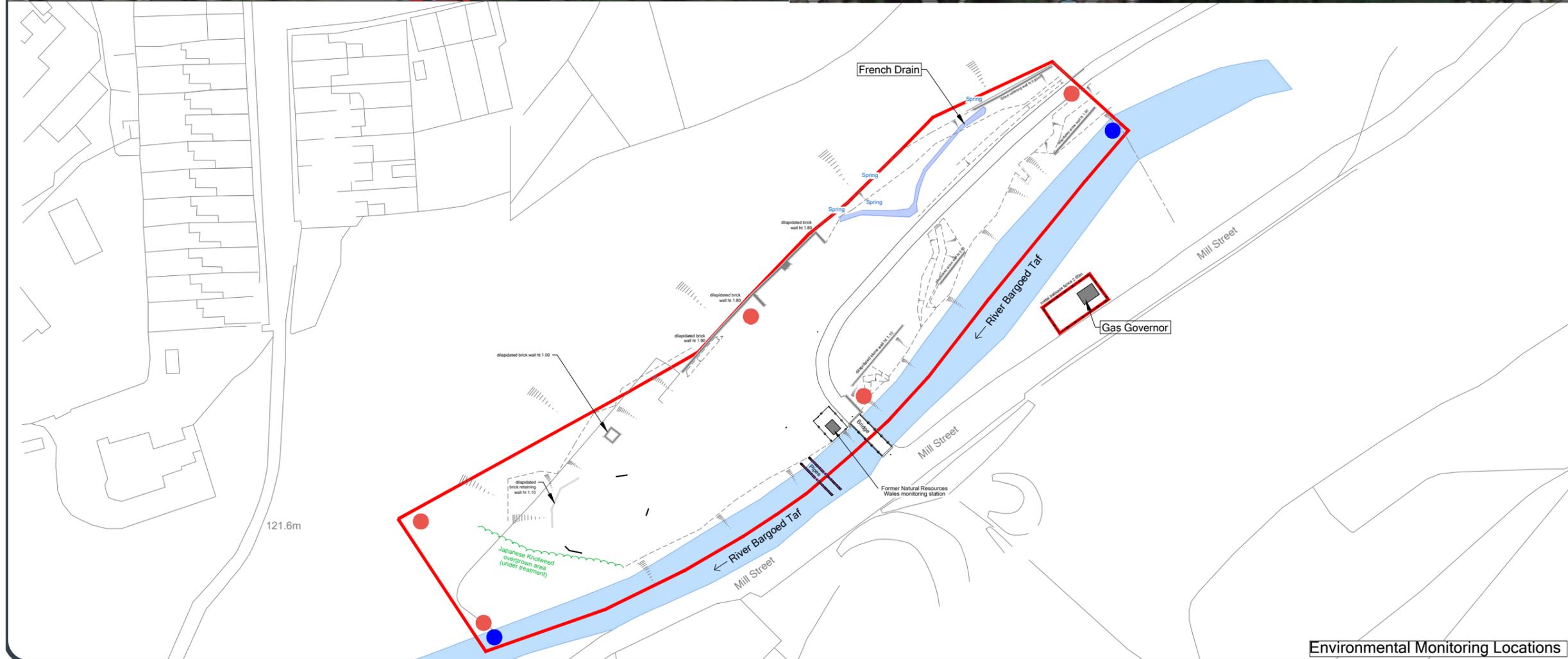



LEGEND

- WWU Limited Site Boundary
- - - Englobe Site Set-up boundary
- Access route between Englobe Site set-up and Site Working Area (will be closed to the public)
- Environmental Monitoring Locations
- River Monitoring Locations

Environmental Monitoring shall include

1. PID (VOCs)
2. Dust (PM10 and 2.5)
3. Tenax Tubes
4. Odour (Olfactory)
5. Noise



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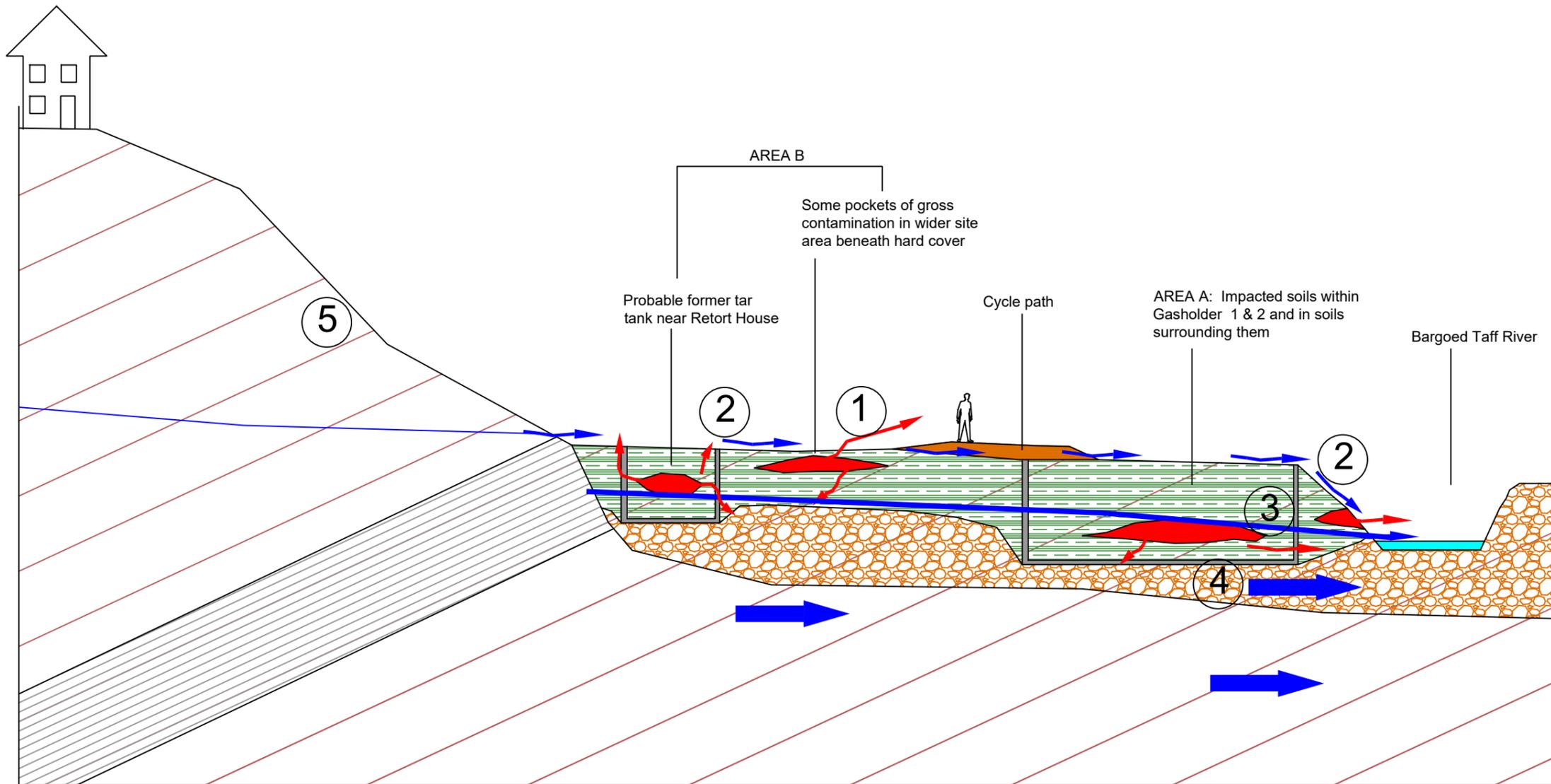
Client: **WALES & WEST UTILITIES**

Project: Quakers Yard, Treharris

Title: Site Set-up and Environmental Monitoring Locations

Drawn by CC	Checked Date SK 20/10/2022	Authorised Date SK 20/10/2022
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Drawing Number D1871/23/5302/EMP		Paper A3

Environmental Monitoring Locations



KEY:

-  Made ground. Mixed lithologies, with variable clay content
-  Superficial deposits: Sands and gravels with cobbles and varying fines content.
-  Cycle path subbase and tarmac surface
-  Sandstone
-  Conjectured presence of mudstone band, causing springs at ground surface
-  Buried gasworks structure
-  Bargoed Taff River
-  Groundwater surface
-  Groundwater flow direction
-  Visually impacted contaminated soils
-  Migration of leached and dissolved-phase contamination

- 1** Potential linkage to current and future site users in public open space (parks) scenario, direct contact and inhalation.
- 2** Potential linkage for dissolved phase contamination, leached by spring water, flowing across site in unlined channel and flowing into river.
- 3** Downwards migration of contamination from shallow unsaturated zone (made ground) to aquifer and lateral flow into river.
- 4** Some limited downwards migration of dissolved phase into deeper aquifer, with potential to flow beneath river into wider aquifer.
- 5** Potential for off-site migration of dissolved phase and then upwards vapours phase migration considered very limited

Client
Englobe

Project
Quakers Yard Gasworks

Revision record			
Revision	Drawn by	Check by	Notes
00	GRO	RCW	First Issue

Drawing Number
P23545_R1_D04

Drawing Title
Conceptual site model

Scale @ A3
Not to scale