



Mapping reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown Copyright and Database right 2017. All rights reserved. Ordnance Survey licence number 100056637

Coordinates are to Ordnance Survey Datum OSGB36. All levels are in metres and relate to the tunnel datum which is 100 metres below Ordnance Datum Newlyn.

**Safety, Health and Environmental Information**  
 Notes below are additional to hazards/risks normally associated with this type of work:  
**Construction**  
 None identified.  
**Operations**  
 None identified.  
**Maintenance**  
 Mi. Cleaning/maintaining brown roof on kiosk. Contractor to utilise MEWP for brown roof maintenance activities.  
 Mii. Primary/secondary cranes will be in close proximity to adjacent overhanging trees for maintenance. Slewing of loads in close proximity to Barn Elms Sports Centre sports facilities.  
 Miii. Damage by arson to gabion fill. 'Degradable' fill to be restocked in limited quantities as per facades specification.  
**Dismantling/Demolition (Future)**  
 None identified.  
**Environmental**  
 None identified.  
 Note: Always consult BMB Risk Register: Doc No: 3120-BMBJV-CONTR-200-ZZ-OL-000003 when undertaking future design or planning construction work.  
 Note: These notes are based on the use of experienced and competent contractors carrying out the work using an approved safe method of working.

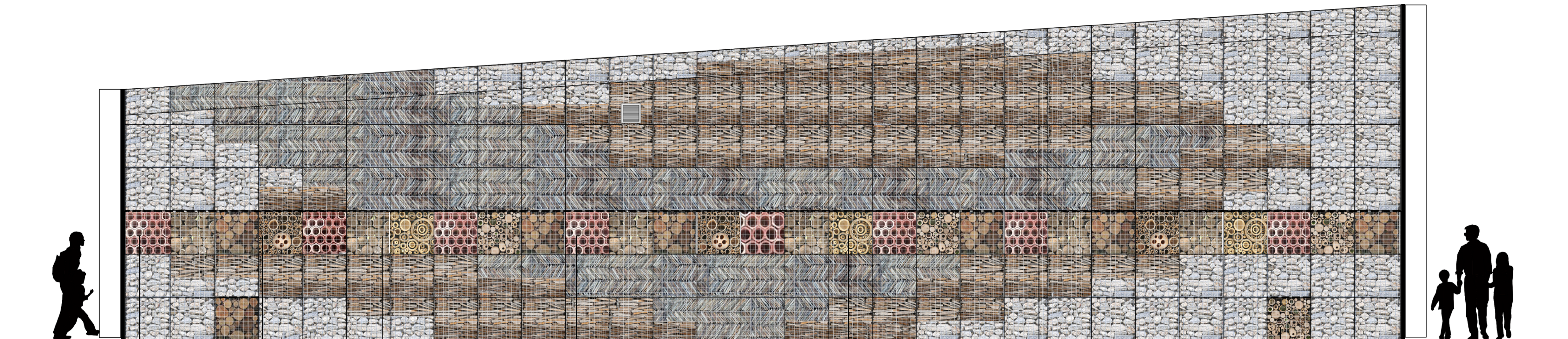
**Notes:**  
 1. This drawing shall be read in conjunction with the following plans and details:  
 Key plan  
 3320-AAJVX-BAREL-590-LZ-DR-000101  
 General arrangement plans  
 3320-AAJVX-BAREL-590-LZ-DR-000201-7  
 Hard landscape plans  
 3320-AAJVX-BAREL-590-LZ-DR-000300-7  
 Landscape sections and details  
 3320-AAJVX-BAREL-590-LZ-DR-000310-17  
 Soft landscape plans  
 3320-AAJVX-BAREL-590-LZ-DR-000601-609  
 Architectural plans and details  
 3320-AAJVX-BAREL-620-AZ-DR-000400-425  
 2. This drawing shall be read in conjunction with the following reports:  
 Landscape specification  
 3120-AAJVX-BAREL-230-LZ-SP-000002  
 Architectural specification  
 3120-AAJVX-BAREL-230-LZ-SP-000003  
 Facades specification  
 3120-AAJVX-BAREL-240-AZ-SP-000001-2  
 3120-AAJVX-BAREL-240-LZ-SP-000002  
 3. Design for the Aluminium and Gabion facade elements shall be completed by the appointed subcontractor for Project Manager approval. Aluminium facade elements shall be coordinated with Tideway appointed artist.

P02	2017-10-03	Gate 4 Submission
P03	2018-05-09	Gate 4 Resubmission
P04	2019-10-11	Gate 4 Resubmission
P05	2020-09-07	Gate 4 Resubmission
P06	2021-08-31	Gate 4 Resubmission
Rev	Date	Issue history
Rationalisation of gabion facade fill pattern. Refer to C405-BMBJV-CIN-AAJVX-00472 and C405-BMBJV-DCAC-AAJVX-00281		

Checker: DKAN  
 Approver: ASTE  
 Approved as Gate 4 Complete  
 A4

Location  
 Barn Elms  
 London Borough of Richmond upon Thames  
 Document Information  
 AA JV - General Permanent Works  
 Habitat Façade Matrix

2021-08-31  
 3320-AAJVX-BAREL-620-AZ-DR-000405  
 OFFICIAL



1 Kiosk Gabion Facade - Unwrapped Elevation  
 3320-AAJVX-BAREL-620-AZ-DR-000405 NOT TO SCALE

Target species	General	Material Required
Beetles	Many species of beetles can be attracted to the invertebrate wall through the inclusion of a diverse range of materials included within the design. These materials will be used for feeding, breeding, hibernating and shelter.	Dry leaves, decaying wood, bark, bundles of twigs/sticks, slates/stones and hollow materials with small crevices
Solitary Bees	The inclusion of drilled wood to create holes (in a range of sizes 2-10mm) in which to lay their eggs. The use of hollow bamboo canes (or similar materials) and plant stems can also be included for this purpose. Hay and straw can be tightly packed in to provide potential hibernating places. In addition, plants incorporated in the brown roof design will provide a nectar source for bees. A section of light, sandy soil may also be beneficial for attracting solitary bees and wasps as this is often used for excavating egg-laying tunnels.	Drilled wood, hollow bamboo, plant stems, hay and straw, light sandy soil or low strength cement mix.
Solitary Wasps	The inclusion of drilled wood or and hollow bamboo canes/other small crevices and plant stems in which they can lay their eggs.	Drilled wood, hollow bamboo.
Spiders	Spiders can be attracted to the invertebrate wall by providing lots of crevices and places to shelter. Spiders are likely to use the habitat for feeding, breeding and shelter.	Straw, wood, slate/stones, bundles of twigs/sticks and plant stems, bark and dry leaves.
Lacewings	Lacewings are likely to use the habitat for feeding, breeding and shelter.	Straw, hay and rolled up corrugated cardboard
Birds	Previous breeding bird surveys at the site have shown that several common bird species nest in the vicinity of the proposed kiosk. Of these, it is likely that wren Troglodytes troglodytes and blue tit Cyanistes caeruleus have the potential to nest within the kiosk if the right opportunities are provided. Both wrens and blue tits will make nests in holes in walls. For blue tits, this could be provided by leaving small gaps (25mm) between some of the construction materials. Wrens prefer a wider opening which could be provided by leaving a larger gap or choosing specifically-shaped materials	For both species, there would need to be a gap of sufficient size behind the opening to enable room for nest construction.
Hedgehogs	A space at the base of the kiosk could provide the right sort of hibernation habitat for this species.	A suitable nest box for hedgehogs shall be included at low level. It would then need to be filled with suitable nesting material such as fallen leaves and straw.

2 Habitat Target Species  
 3320-AAJVX-BAREL-620-AZ-DR-000405 NOT TO SCALE

Not For Construction