

Building Information

Modelling (BIM) Execution Plan (BEP)

Project Name: Pedestrian Footbridge with Minor Highway Works

Project Address: Prince of Wales Dock

Swansea

Pembrokeshire,

SA1 1LY

Project Number: 6003

Date: 26/10/2022

Work Undertaken by Richard Murray will be highlighted Yellow

Document No: 1

Date: Oct 2022

Revision: v1.0

Status: Draft

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Notes

The BIM Execution Plan (BEP) has been produced and structured with headings to correspond to the requirements outlined by BS EN ISO 19650-2 (formally PAS1192-2) (British Standards Institute, 2018).

Rev.	Status	Page Nos.	Amendment	Date	By
1.0	Draft		Draft	14/1/2023	SPR

1.0 Project Information

In accordance with the requirement for BS EN ISO 19650-2 5.1.2 (British Standards Institute, 2018) the project information is shown below. For future correspondence the project will use this information where applicable.

Project Name	Pedestrian Footbridge with Minor Highway Works
Project Number	6003
Project Description	Design a pedestrian footbridge from the kings road to Langdon Roundabout. Proposed footway to have vehicle access at Langdon Roundabout.
Site Name	Prince of Wales Dock Adjacent to Kings Road and Langdon Road
Site Description	Prince of Wales Dock is currently a dry dock within the city of Swansea located between Kings Road which is the current location of Swansea University Campus and Langdon Roundabout. The location is currently a large body of water where pedestrians must use a lengthy footway around the dock. Student Accommodation located on southern side for UWTSD Campus and business nad parking facilities located to the north. Northern area proposed to undergo building improvement with proposed levelling up of location.

2.0 Management

The points below outline how information will be managed as well as the roles and responsibilities of those working within the project in accordance with BS EN ISO 19650-2 (British Standards Institute, 2018).

2.1 Roles and Responsibilities

Name	Company	Role	Resources	Contact Information
Gavin Taylor	UWTSD	Client	Client1	g.traylor@uwtsd.ac.uk
Debroah Hughes	UWTSD	Client	Client 2	d.hughes@uwtsd.ac.uk
Brett Thomas	Springfield Designs Ltd	Project Manger	PManager1	1807835@student.uwtsd.ac.uk
Richard Murray	Springfield Designs Ltd	Design Engineer - Civils	Civil1	0851739@student.uwtsd.ac.uk
Jonathan Triggs	Springfield Designs Ltd	Quantity Surveyor	QSurveyor1	1807834@student.uwtsd.ac.uk
Benjamin Davies	Springfield Designs Ltd	Planning Engineer	PEngineer1	2012775@student.uwtsd.ac.uk
Rhys Ratner	Springfield Designs Ltd	Site Engineer	SEngineer1	1803424@student.uwtsd.ac.uk

Lead Designer responsibilities apply to the individuals below;

Responsibility	Resource
Coordinate Deliver of all Design Information	Civil1
Manage Information development for approvals	Civil1
Confirm Design Deliverables	Civil1
Overall Lead for Configuration Management	Civil1

Confirm Status and approve information for issue	Civill
Approve design changes as required	Civill

The task teams responsibilities will be as follows

Responsibility	Resource Civil Engineer
Production of Design	Civill
Approve Information	Civill
Direct the production of information	Civill
Direct the production of information using agreed systems	Civill
Confirm Information is suitable	Civill
Managed Coordination on behalf of task team	Civill
Proposed coordination on behalf of task team	Civill
Develop constituent part of the information model	Civill
Production of Project Outputs	Civill

3.0 Planning and Documentation

3.1 Collaboration and Information Modelling

All software exchanges will be undertaken utilising the standards outlined in 4.0.

Project will be designed utilising Civils 3D to generate basic corridor modelling information with subsequent 2D plans for site specific mechanisms, these 2D Drawings will be supported by an Asset Inventory Database which will confirm the proposed assets as well as their associated information.

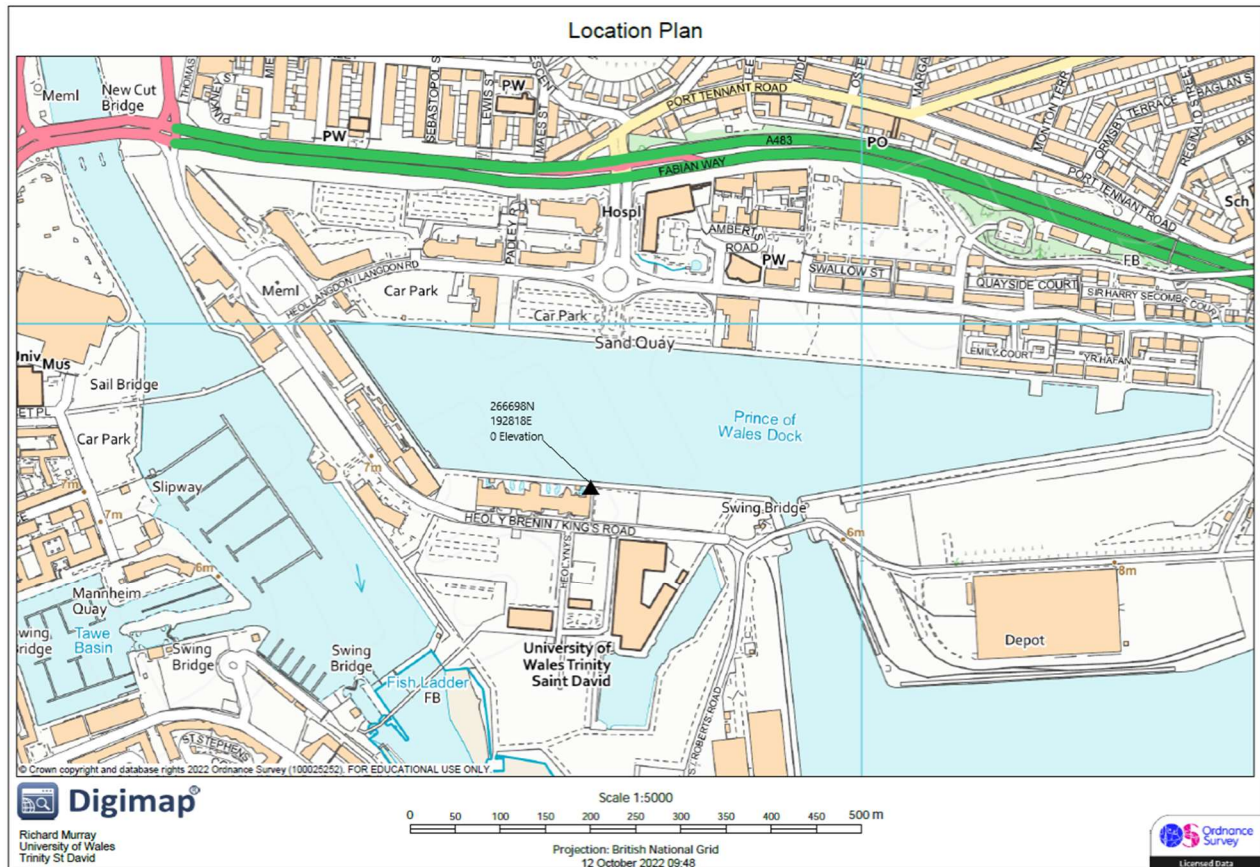
The designs of the scheme will be undertaken on Topographical Survey of the existing ground level of the site. All drawing design will be utilised Civils 3D with collaboration achieved through shared portal on Microsoft Teams. The project base point will be utilised and outlined with 4.0. All naming conventions will be utilised and in accordance with requirements outlined in BS EN ISO 19650-2 (British Standards Institute, 2018).

4.0 Standards, Methods and Procedures

This section will cover the requirements outlined in BS EN ISO 19650-2 5.4.1 (British Standards Institute, 2018).

4.1 Origin and Orientation

The project base point will be as outlined below.



Reference	Position
Project Base Point	266698, 192818
Elevation	0.000

4.2 File Naming Conventions

Project	Originator	Zone	Level	Type	Role	Number	Description	Suitability	Revision
PED1	SPR	XX		DR	CIVIL 1	See BS EN ISO 19650-2	Brief Descrip- tion	See BS EN ISO 19650- 2	Rev No.
PED2									

4.3 Drawing Sheet Template

All drawings produced will utilise the following splash page and title block in order to ensure compliance with BS EN ISO 19650-2 (British Standards Institute, 2018).

DRAWING TITLE PROPOSED BRIDGE DESIGN OVERVIEW WITH ACCESS AND PARKING PROVISION ON LANGDON ROAD				PROJECT TITLE ACBA6003 - SPRINGFIELD DESIGNS - PEDESTRIAN BRIDGE				DRAWING No. PED2-SPR-DR-C-0002-S1			
CAD REF. CAD											
DRAWN BY	RM	11/22	SCALE	PROJECT	PHASE	REV.					
CHECKED	XXX	X/XX	SHOWN								
								REV.	DESCRIPTION	BY	DATE

Splash Page AND Title Block

5.0 IT Solutions

This section is to ensure all parties are utilising the same software and version and adhering to the same exchange formats to ensure correct compatibility across all users in accordance with BS EN ISO 19650-2 (British Standards Institute, 2018).

5.1 Software Versions

Company	Purpose	Software	Version
Autodesk	2D Modelling	AutoCAD	Civils 2020
Autodesk	3D Modelling	AutoCAD	Civils 2020
Microsoft Office	Inventory Database	Microsoft Excel	Office 2019
Microsoft Office	Programme of Works	Microsoft Projects	Project 2019

5.2 Exchange Formats

Export Software	Format	Version
AutoCAD	.dwg	2020
AutoCAD	.pdf	
Microsoft Excel	.xlsx	Office 2019
Microsoft Project	.mpp and/or PDF	Project 2019