

Environmental Statement: Volume 3 Chapter 2 Figures

May 2025



PINS Ref: EN010153

Document Ref: EN010153/DR/6.3

Planning Act 2008; and Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations Regulation 5(2)(a)

Document Control

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P01	May 2025	S Kaye	A Russell

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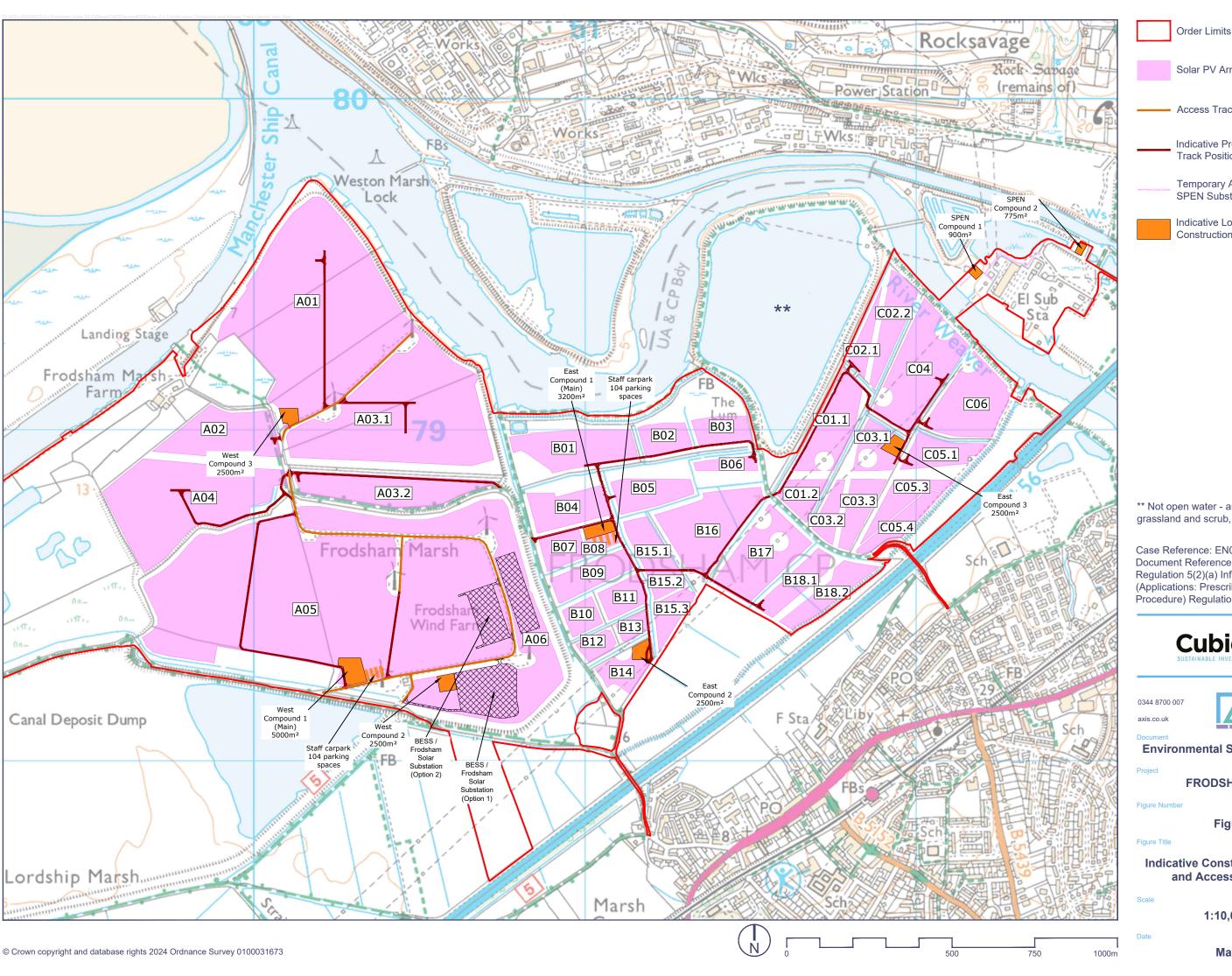


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Solar PV Array Areas

Access Track - Existing

Indicative Proposed Access Track Positions

Temporary Access Track for **SPEN Substation**

Indicative Location of Principal **Construction Compounds**

** Not open water - area now covered with grassland and scrub, see Figure 1-4

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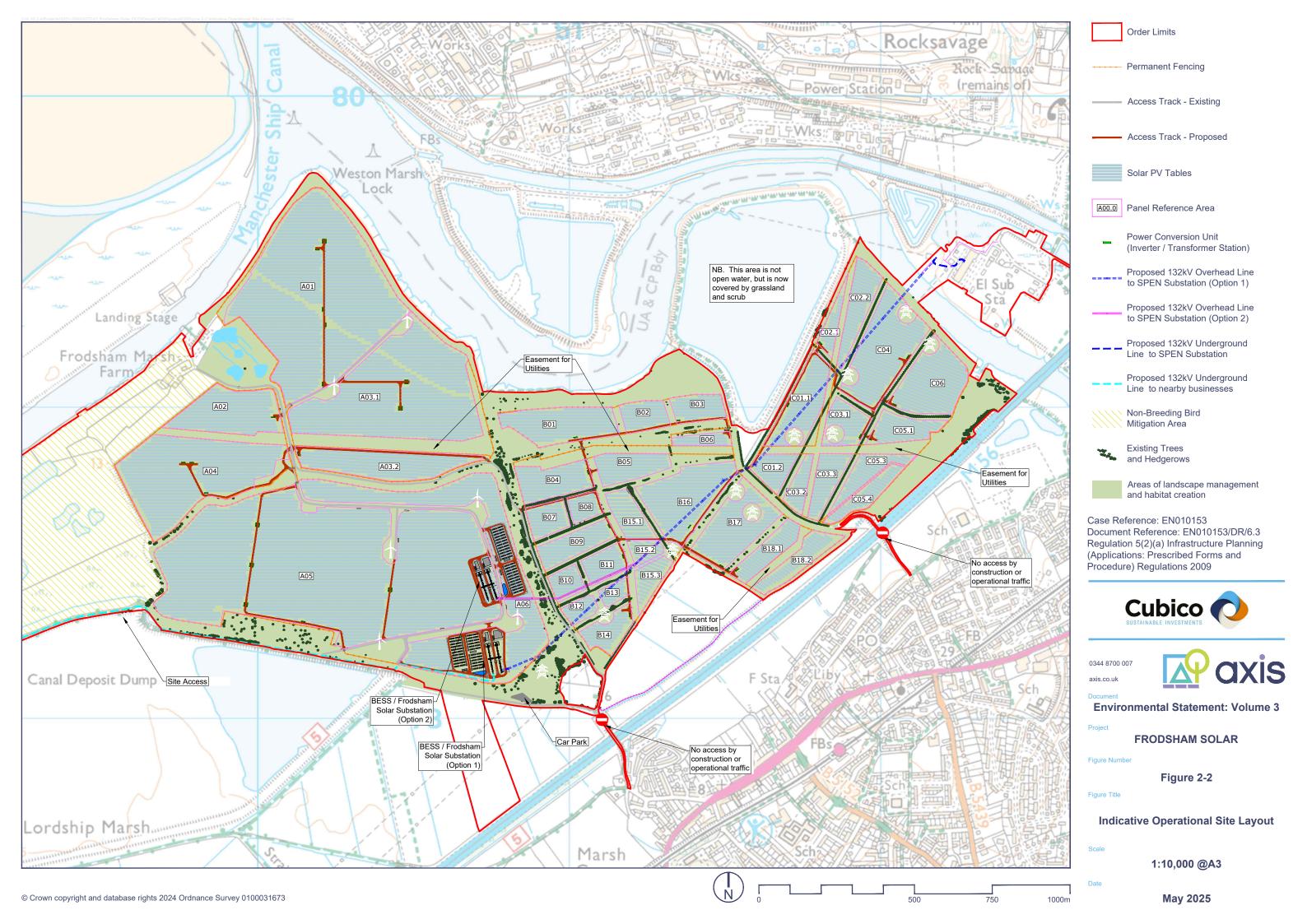
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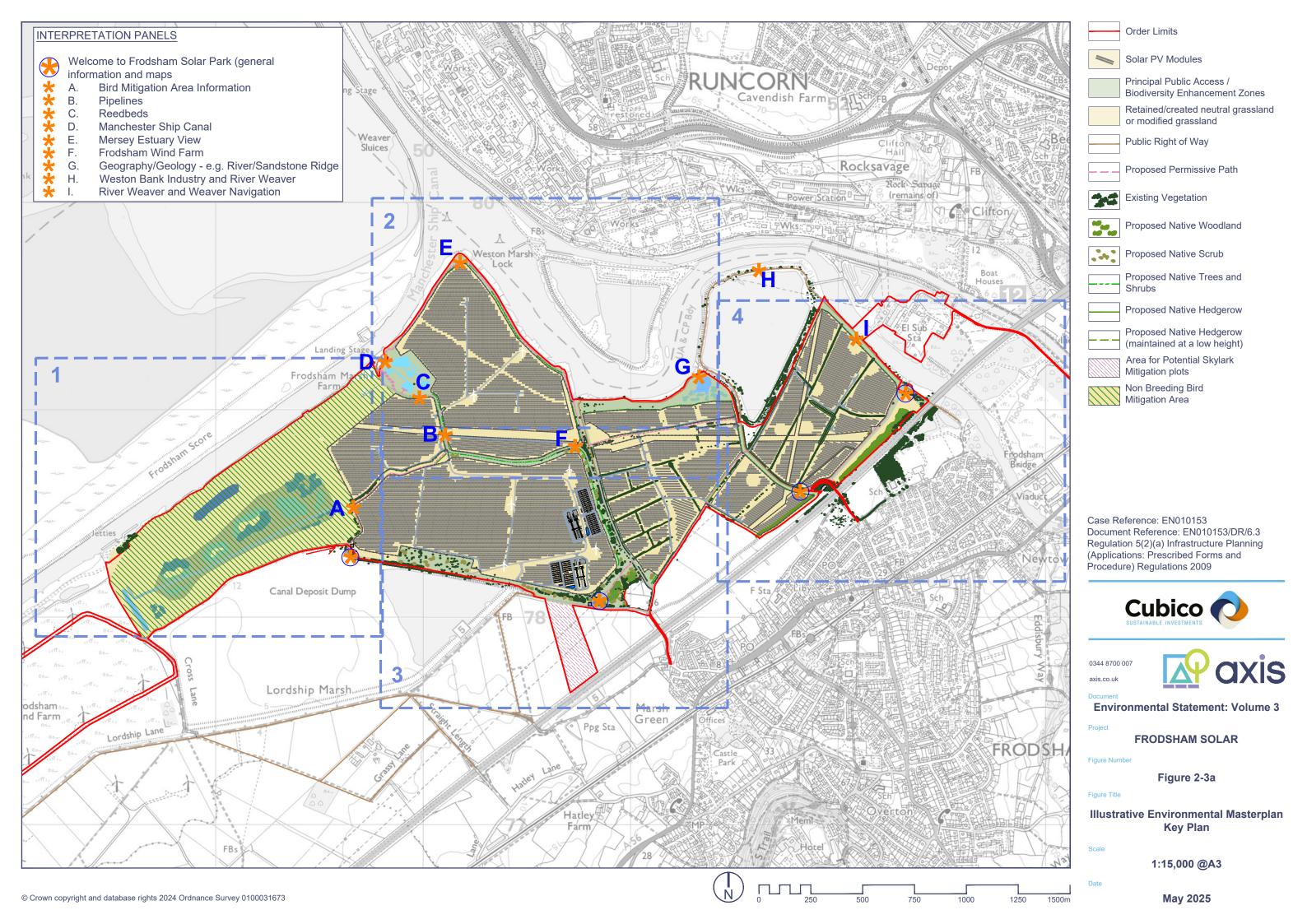
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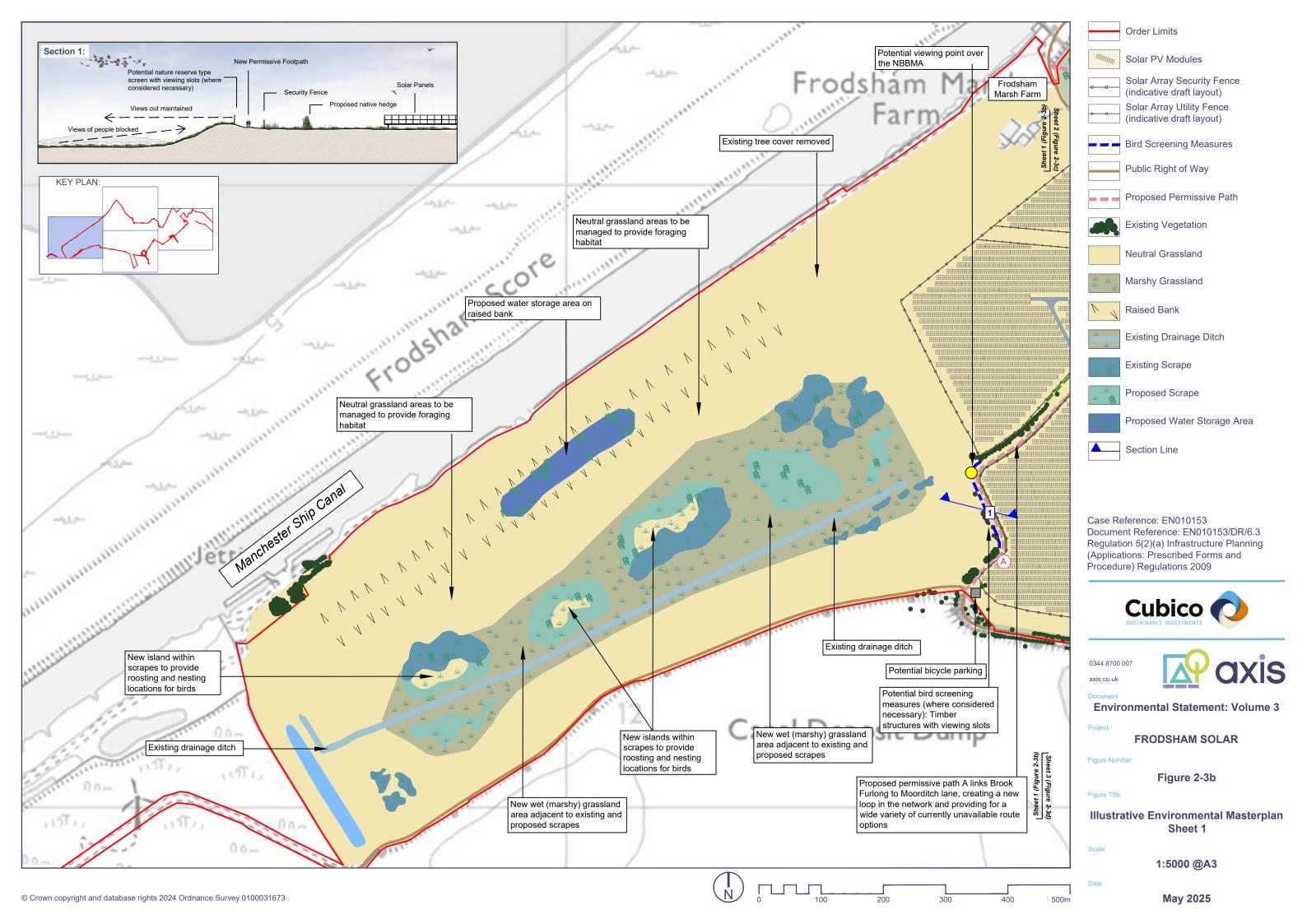
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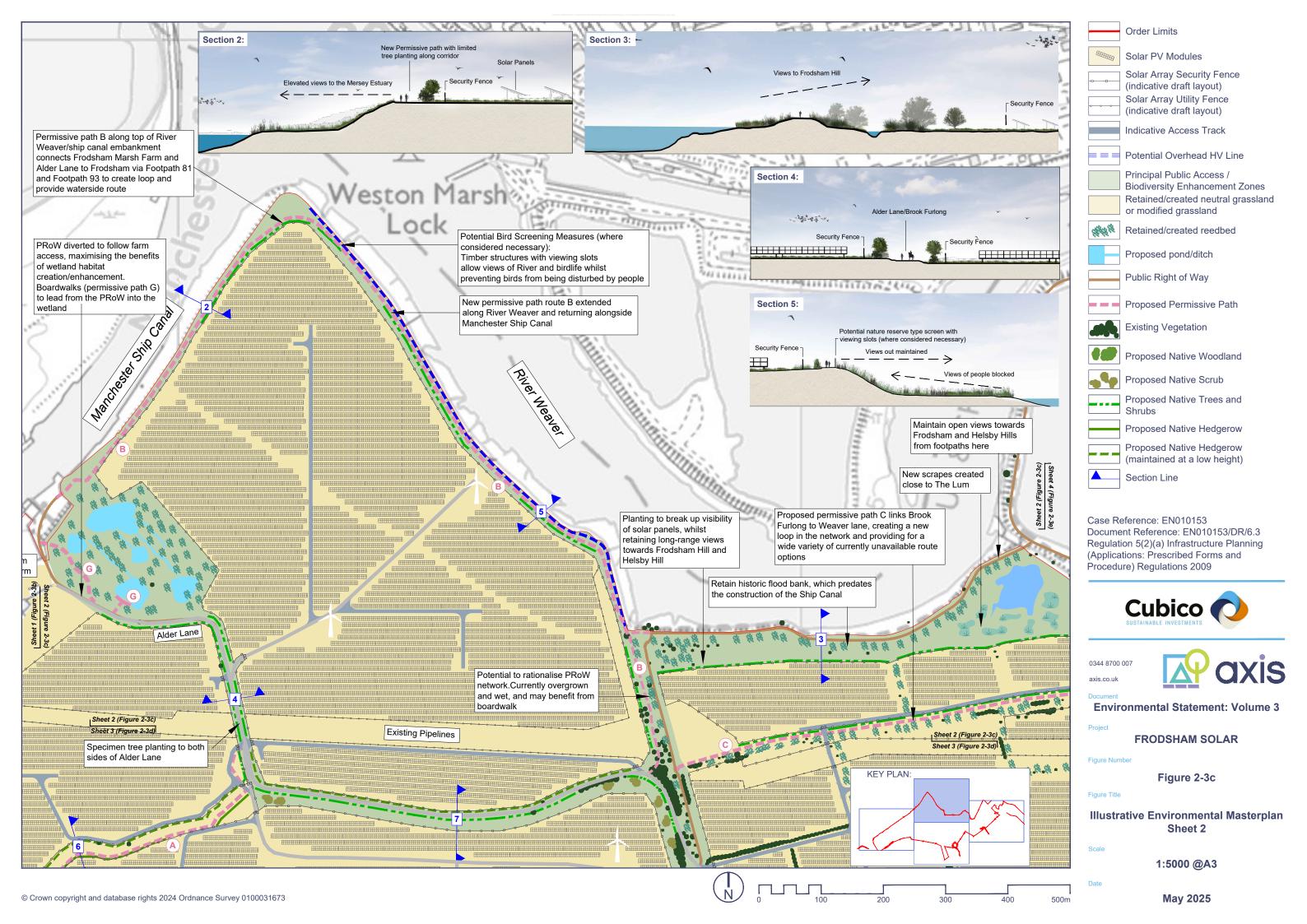
Indicative Construction Compound and Access Track Layout

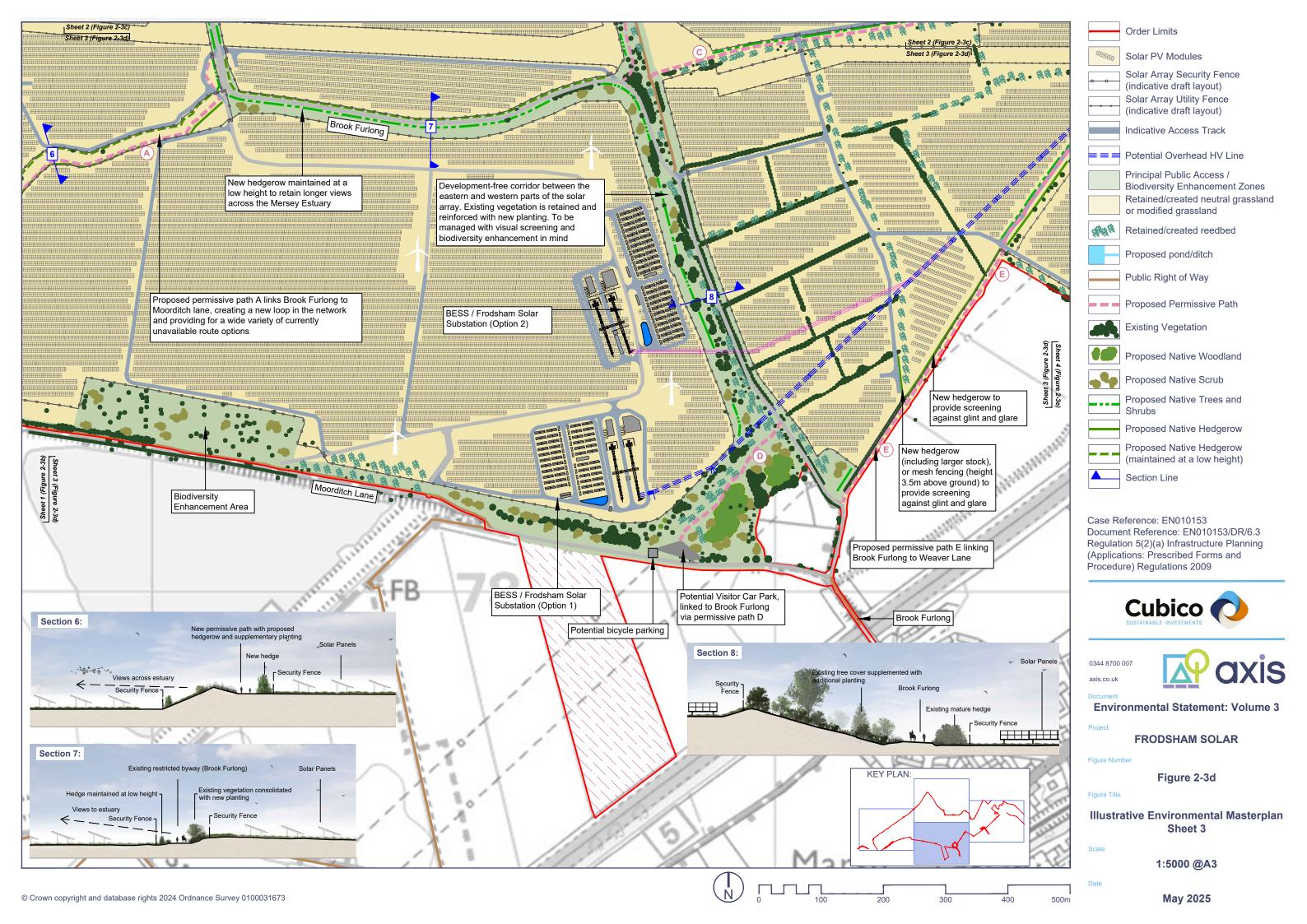
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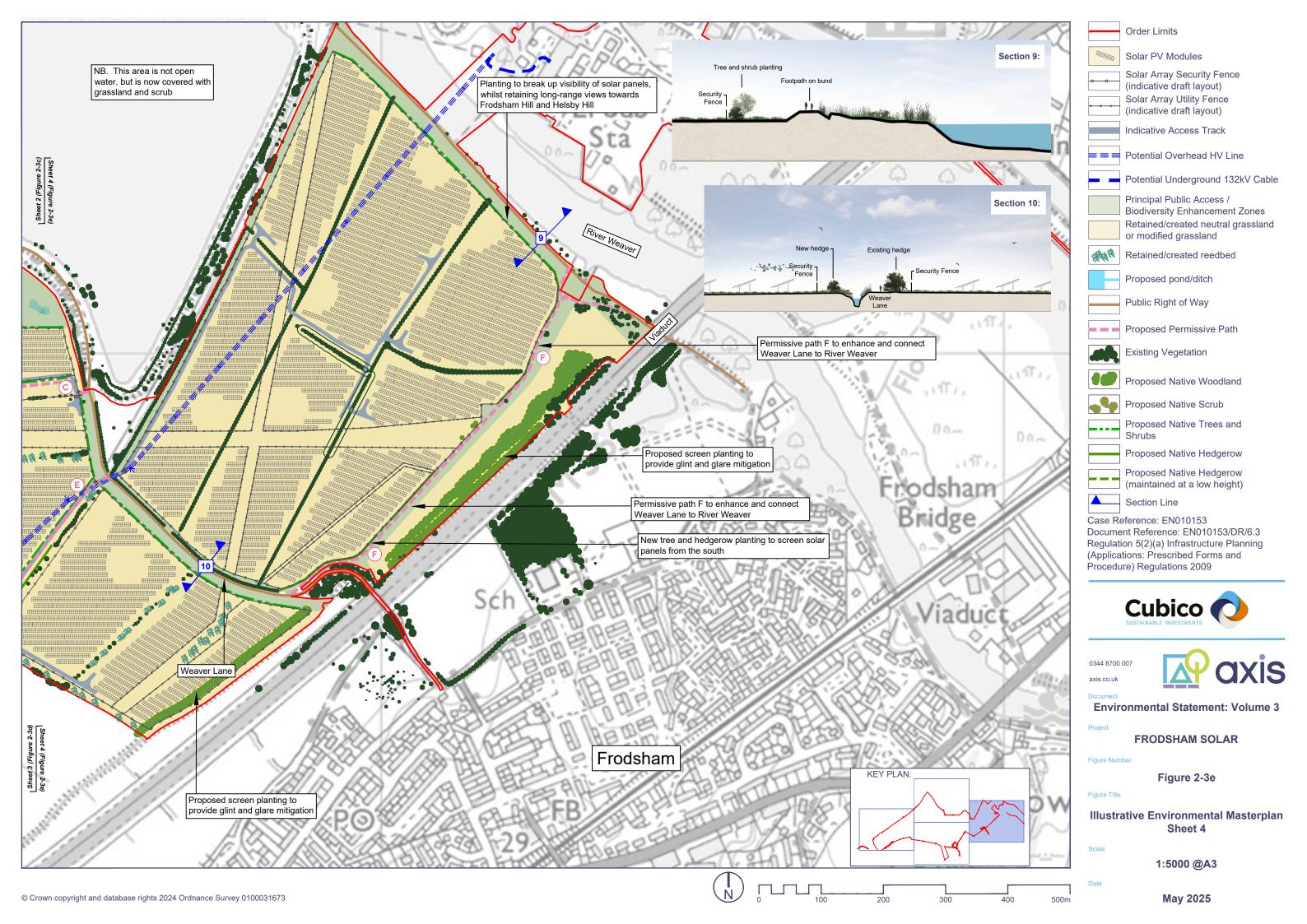


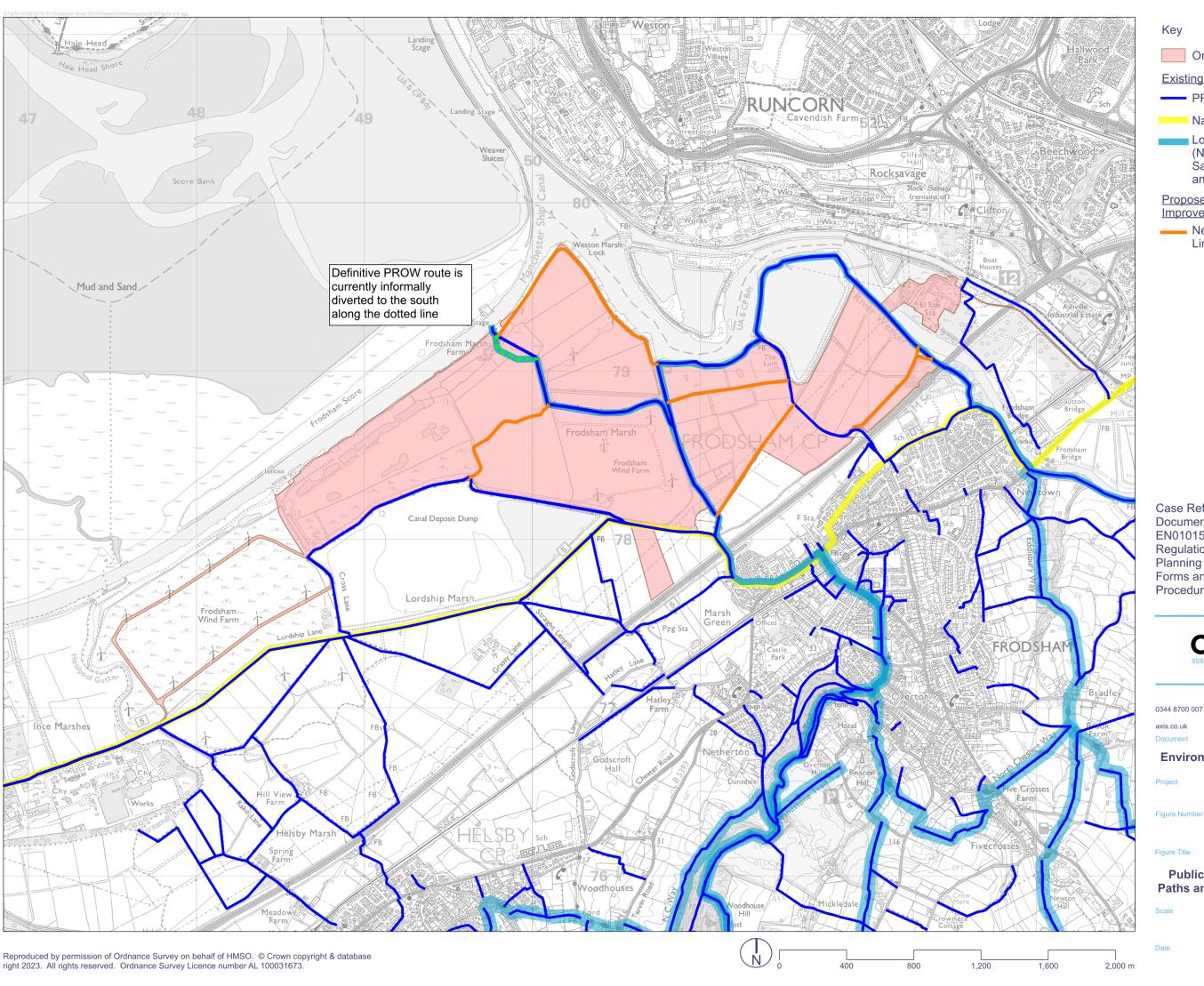












Order Limits

Existing Public Access:

PRoW Network

National Cycle Route 5

Long Distance Paths (North Cheshire Way, Sandstone Trail, Eddisbury Way and Cheshire Circuit)

Proposed Public Access Improvements:

> New Permissive Path Links to Improve Network

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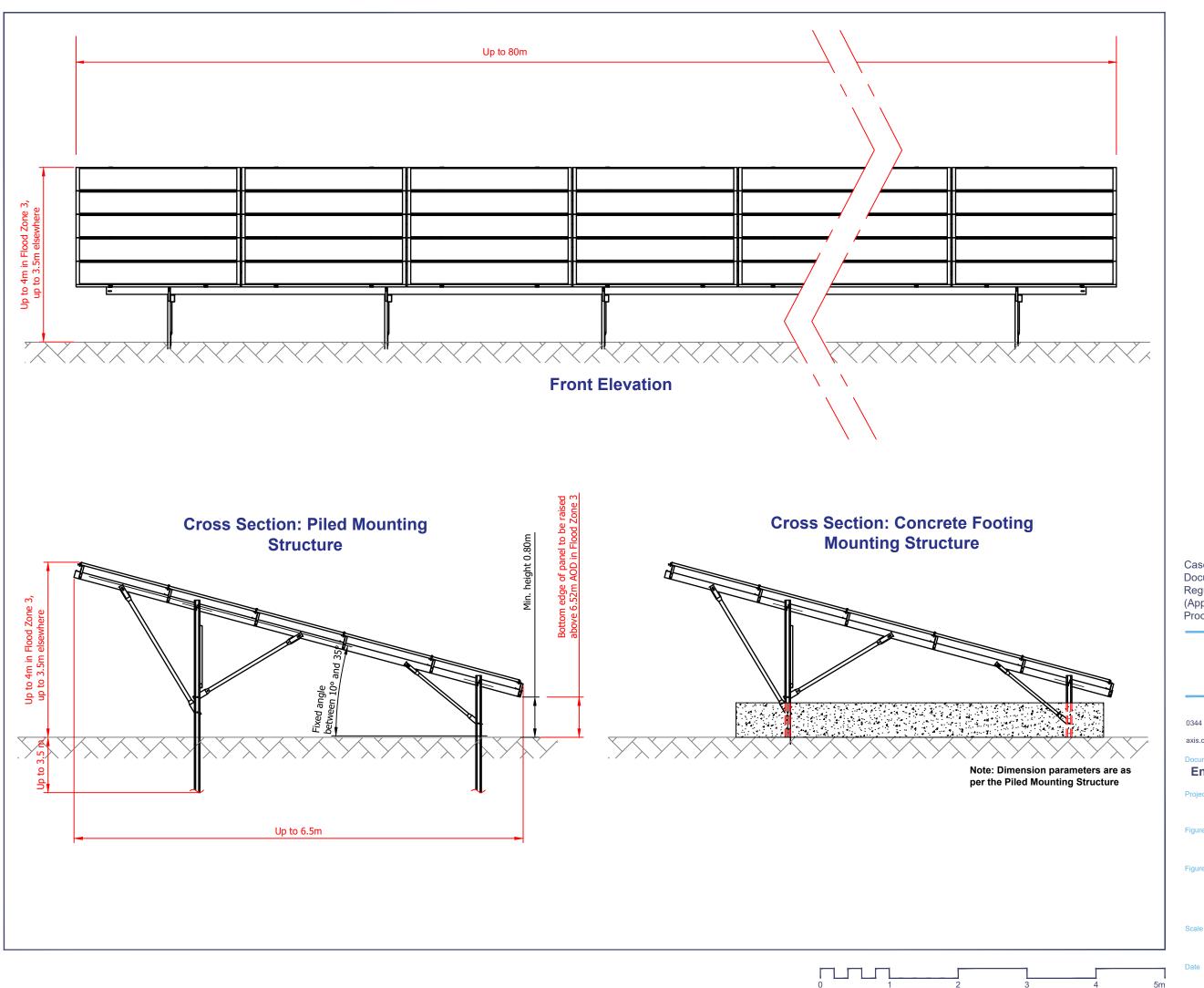
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Figure 2-4

Public Rights of Way, Permissive Paths and other Recreational Routes

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Figure Number

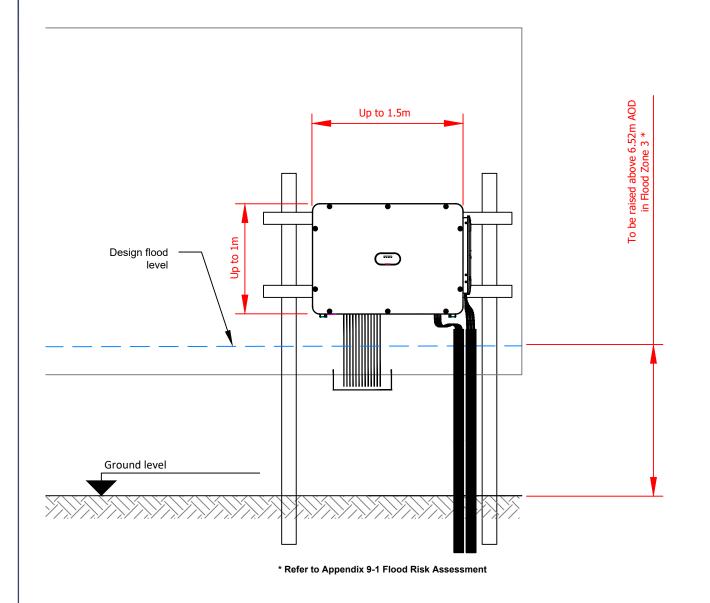
Figure 2-5a

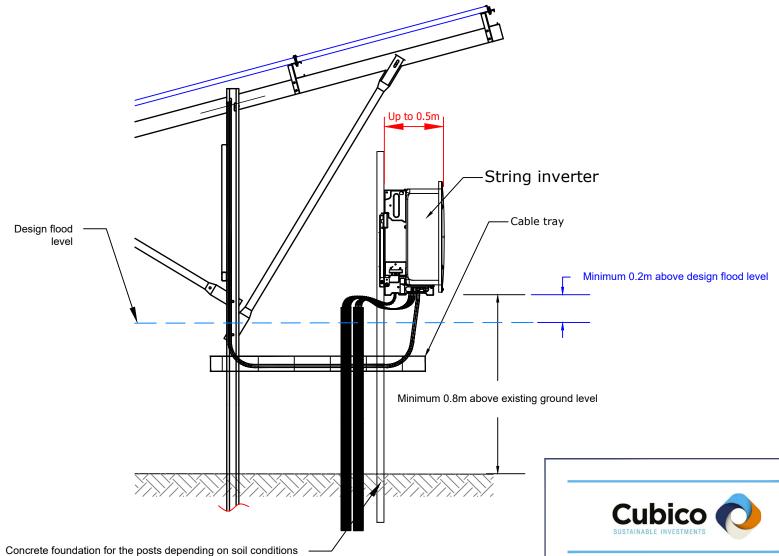
Indicative Solar PV Modules

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Cross Section Front Elevation





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Figure 2-5b

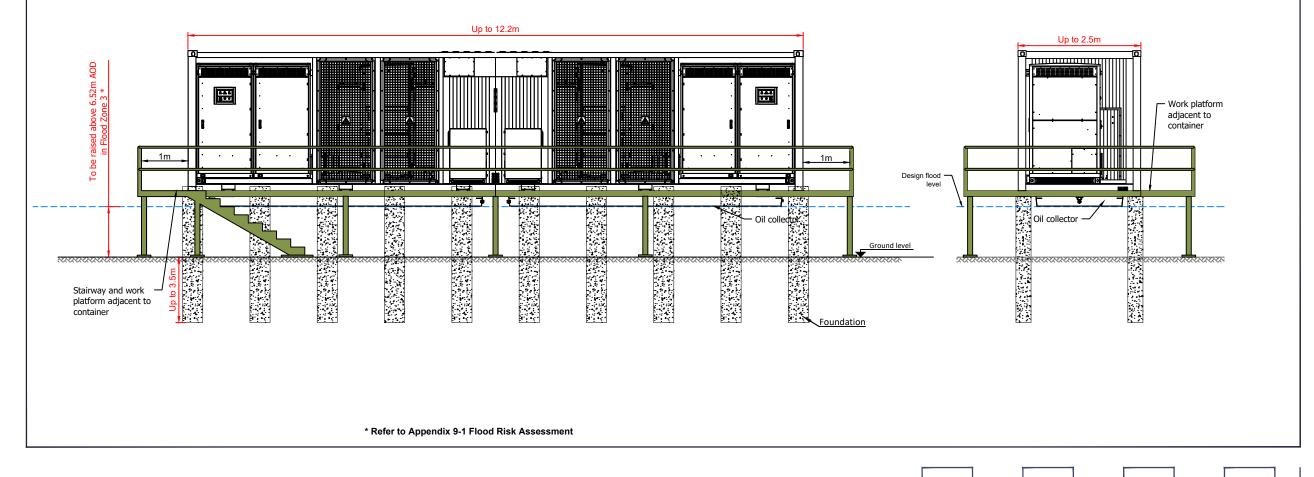
Indicative String Inverter

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Front Elevation: Typical PCU Side Elevation: Typical PCU Up to 12.2m Up to 2.5m Foundation Foundation

Front Elevation: PCU located in Flood Zone 3

Side Elevation: PCU located in Flood Zone 3



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Figure 2-5c

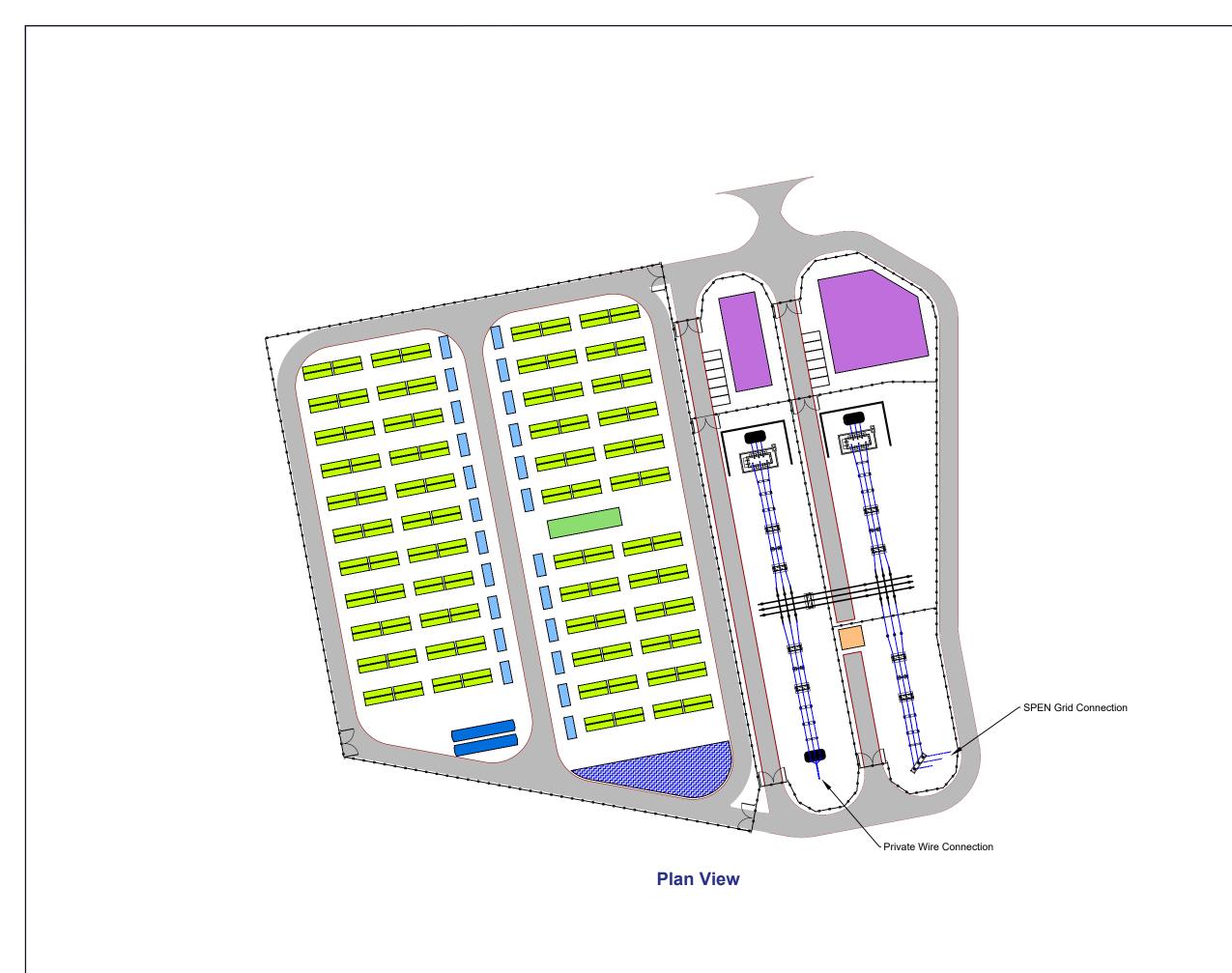
Figure Title

Indicative Power Conversion Unit (PCU)

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BESS Container

PCS / Transformer Unit

Switchgear Building

SPEN Control Building

Frodsham Substation Control Building

Water Storage Tank

Drainage Lagoon

---- Fenceline

Electrical Cable

Access Track

Note: Colours are illustrative for the purpose of identifying features and do not reflect the proposed appearance of any individual feature.

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Figure 2-5d

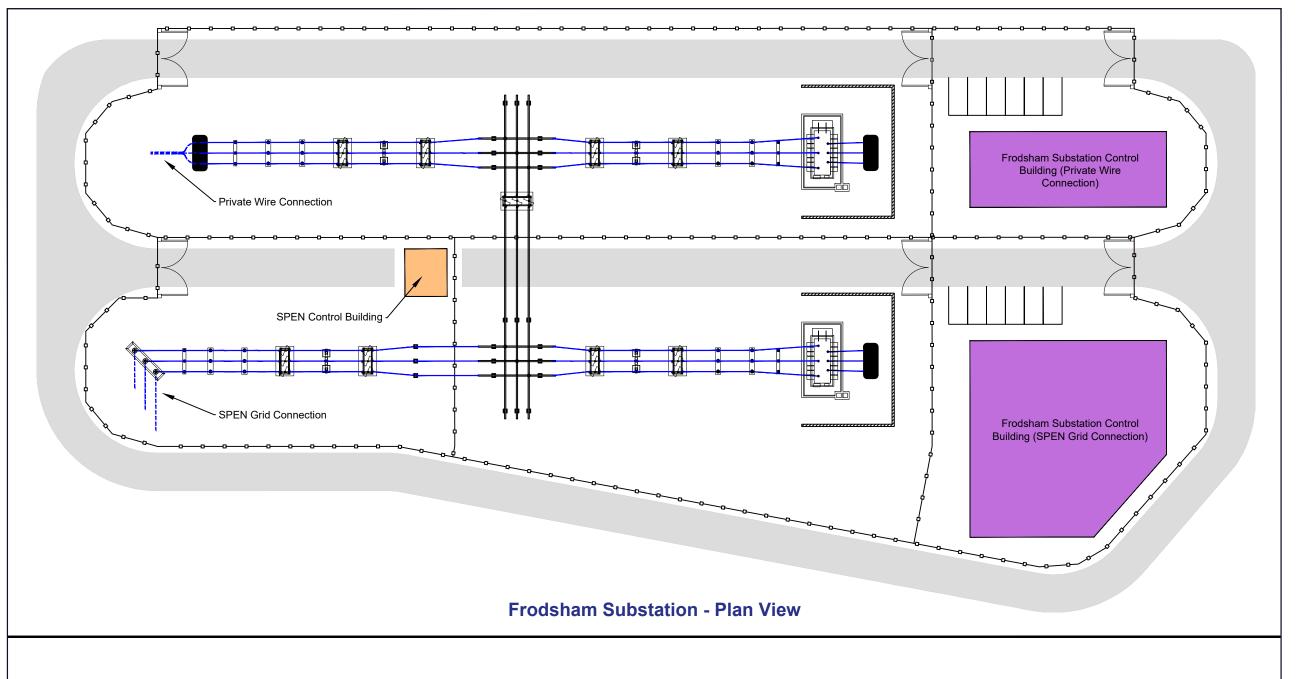
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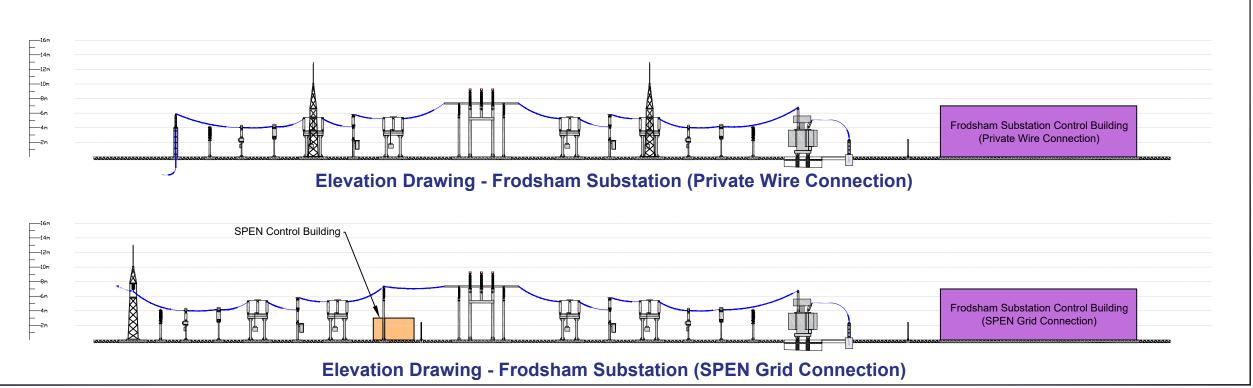
Indicative BESS and Frodsham Substation Layout

Scale

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Note: Colours are illustrative for the purpose of identifying features and do not reflect the proposed appearance of any individual feature.

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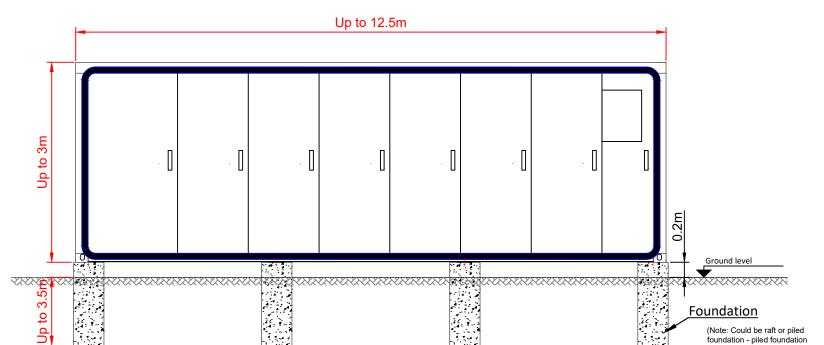
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Figure 2-5e

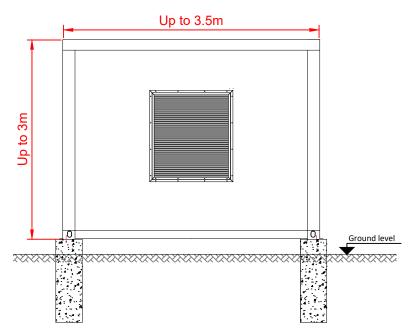
Indicative Frodsham Substation Elevation

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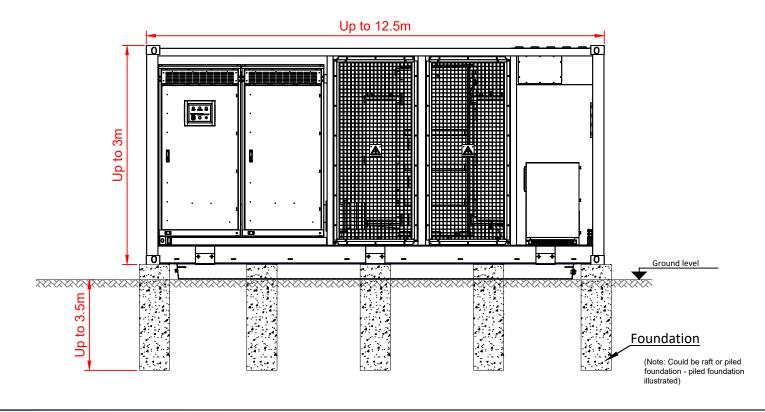
Front Elevation: BESS Container



Side Elevation: BESS Container

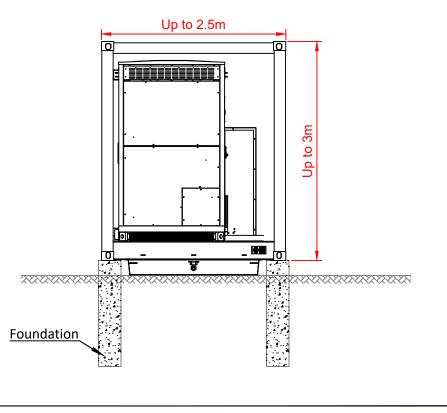


Front Elevation: Power Conversion System (PCS) / Transformer Unit



Side Elevation: PCS / Transformer Unit

illustrated)



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Figure 2-5f

Figure Title

Indicative BESS Container and PCS / Transformer Unit

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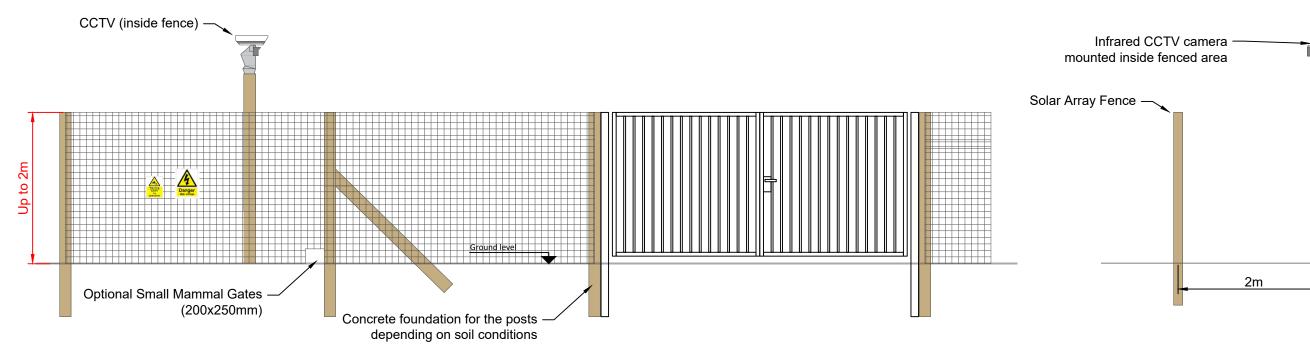
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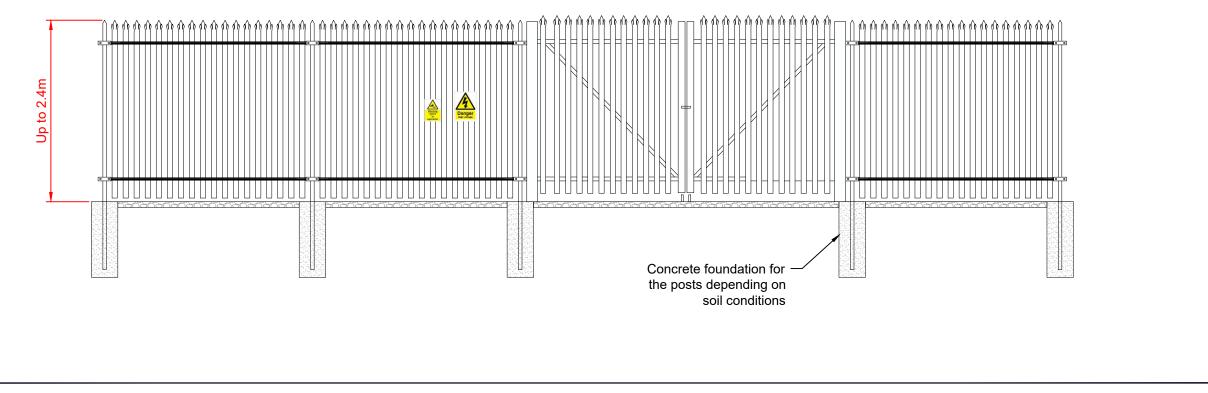
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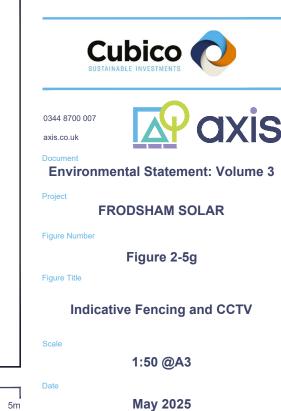
Elevation: CCTV

Elevation: Solar Array Fencing

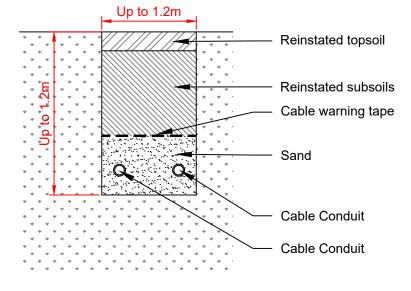


Elevation: BESS and Substation Fencing

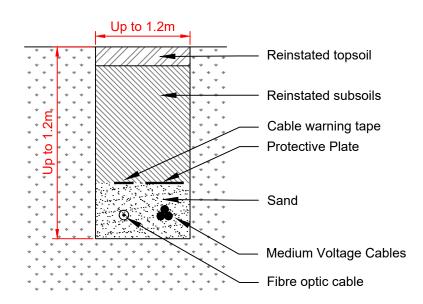




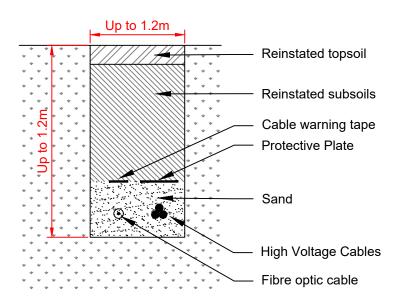
Cross Section: Low Voltage (LV) cable trench



Cross Section: Medium Voltage (MV) cable trench



Cross Section: High Voltage (HV) cable trench



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Figure 2-5h

Figure Title

Indicative Cable Trench Cross Sections

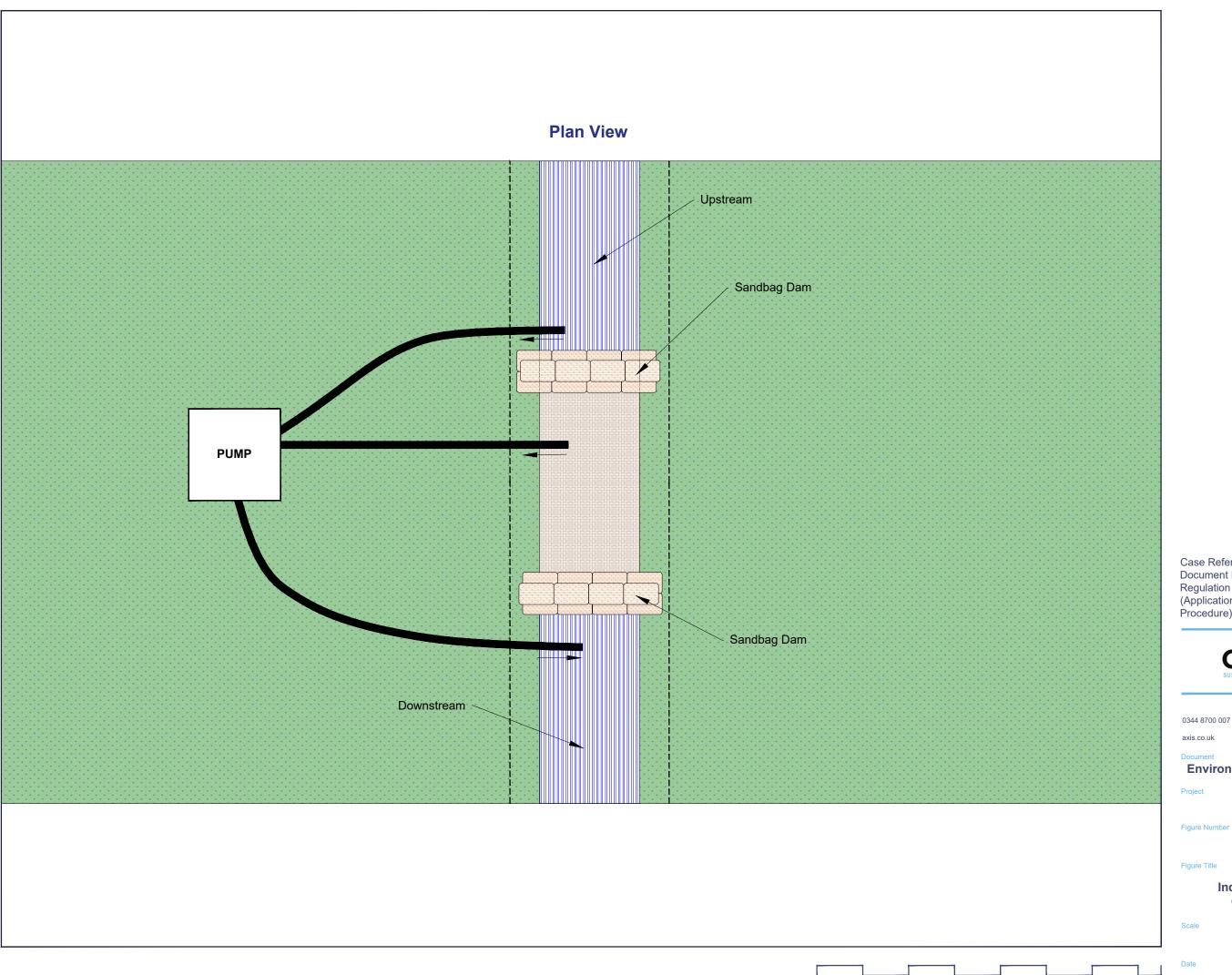
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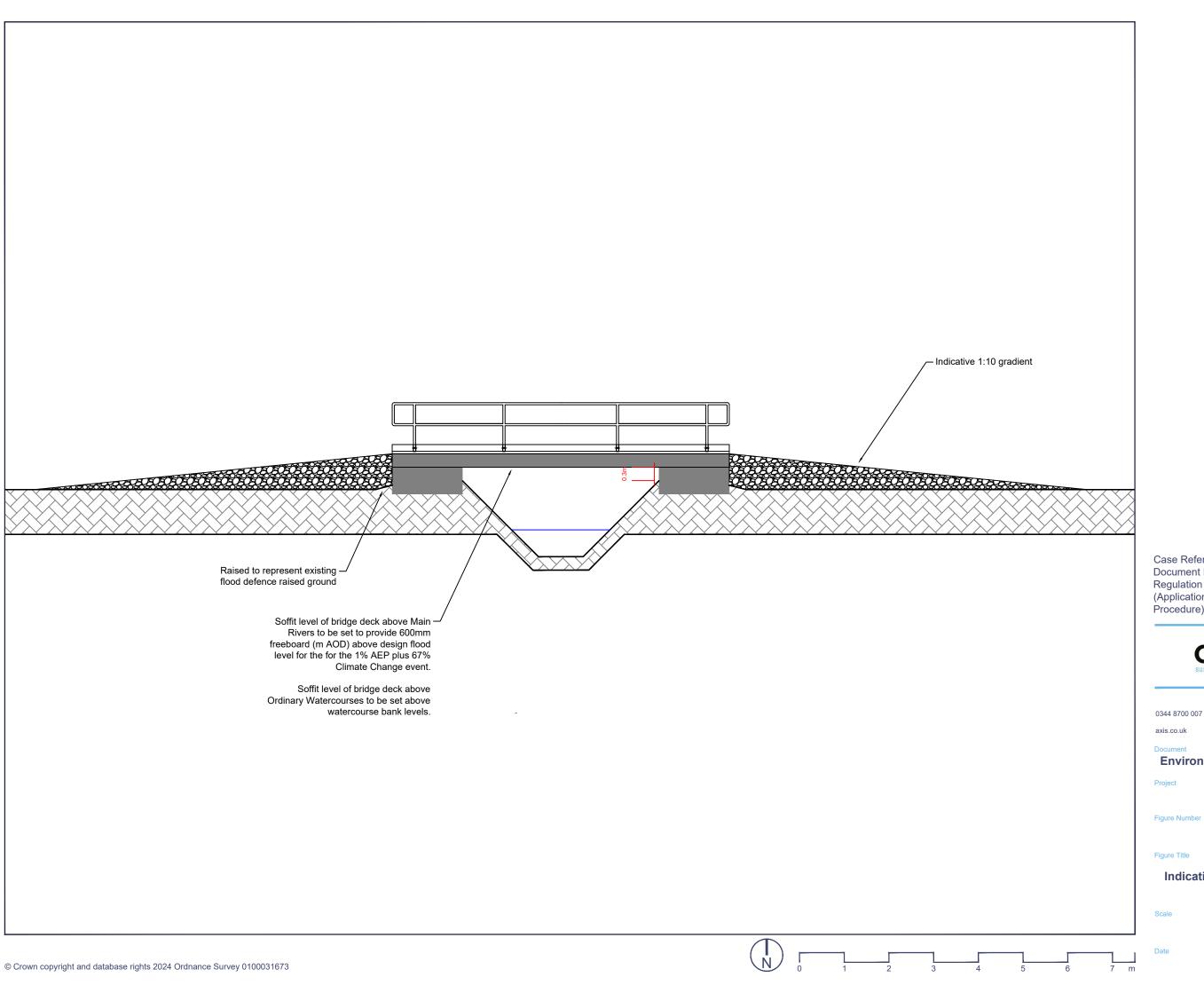
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Figure 2-5i

Indicative Ditch Crossing Construction Layout

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Indicative Permanent Watercourse Crossing

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