



**DALCOUR  
MACLAREN**

# Optimising Routes, Minimising Impact:

## GIS in Action on the Strathrory Windfarm Connection

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Phil Rees & Sam West, Dalcour Maclaren



# LAND, STAKEHOLDER & ENVIRONMENTAL SOLUTIONS

Expert in

ENVIRONMENT &  
PLANNING

GEOMATICS

LAND & PROPERTY

STAKEHOLDER  
ENGAGEMENT



Established in 2003

# 22

Years since inception

Offices

# 20

In UK & Ireland

Employees

# 650+

Dedicated experts

Exclusively for

# UTILITIES & INFRASTRUCTURE



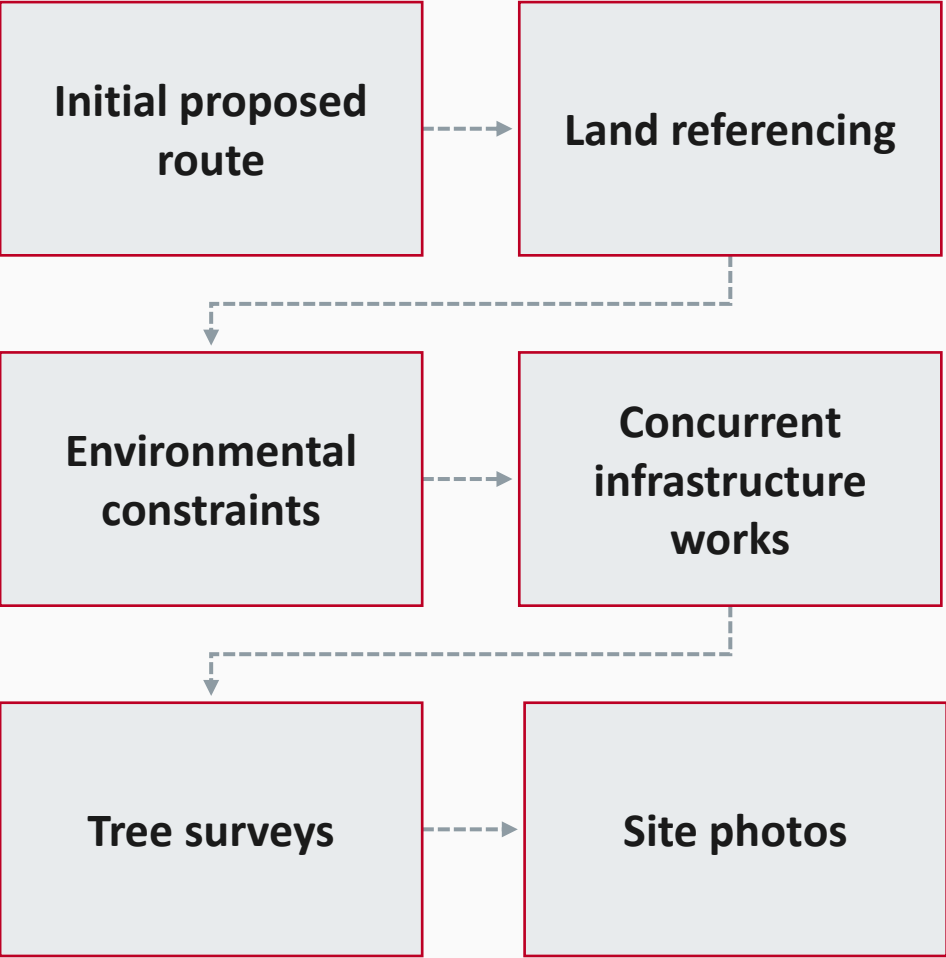
# Project background

A new 33kV underground connection running 11km from Alness substation to Strathroy Windfarm development

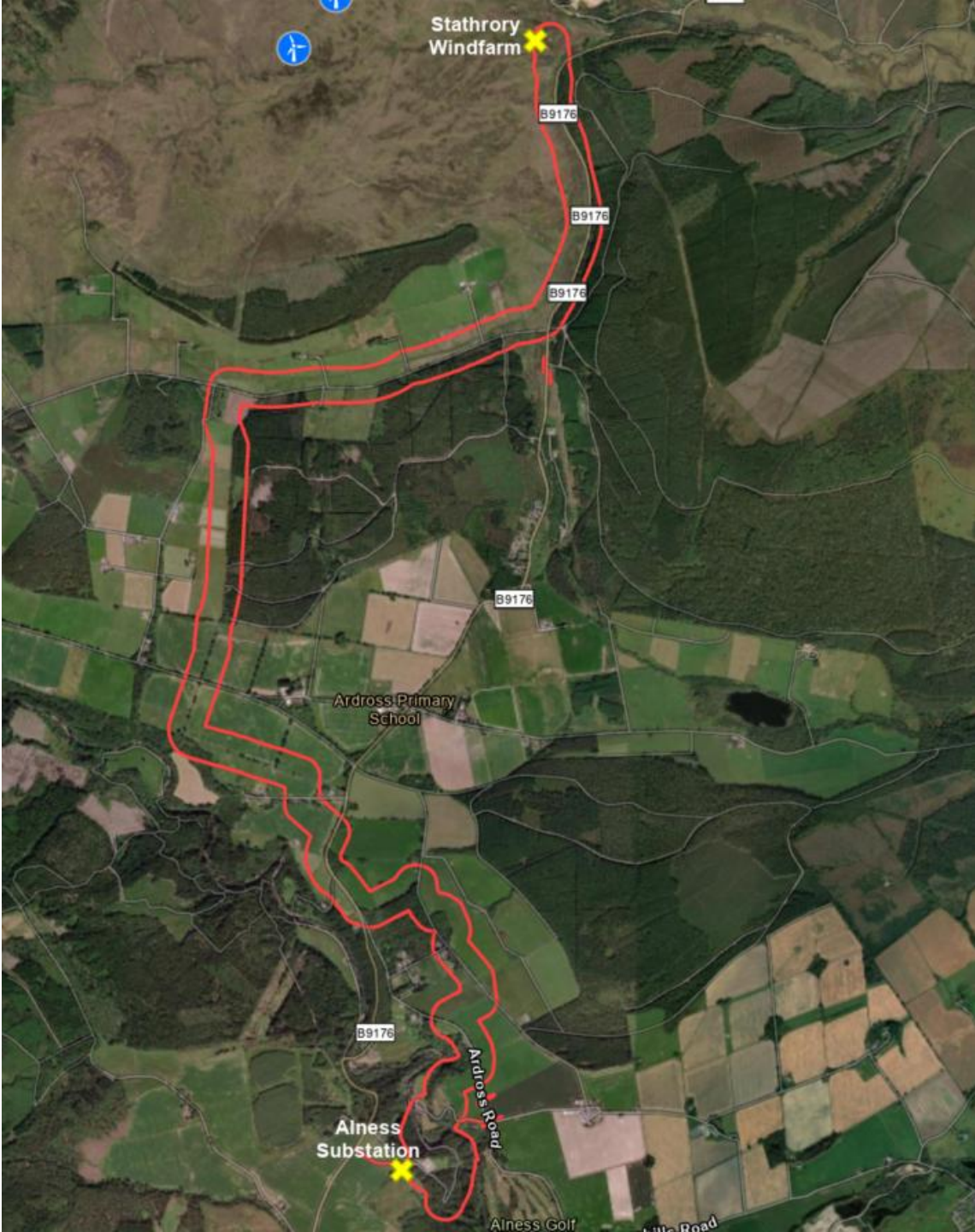
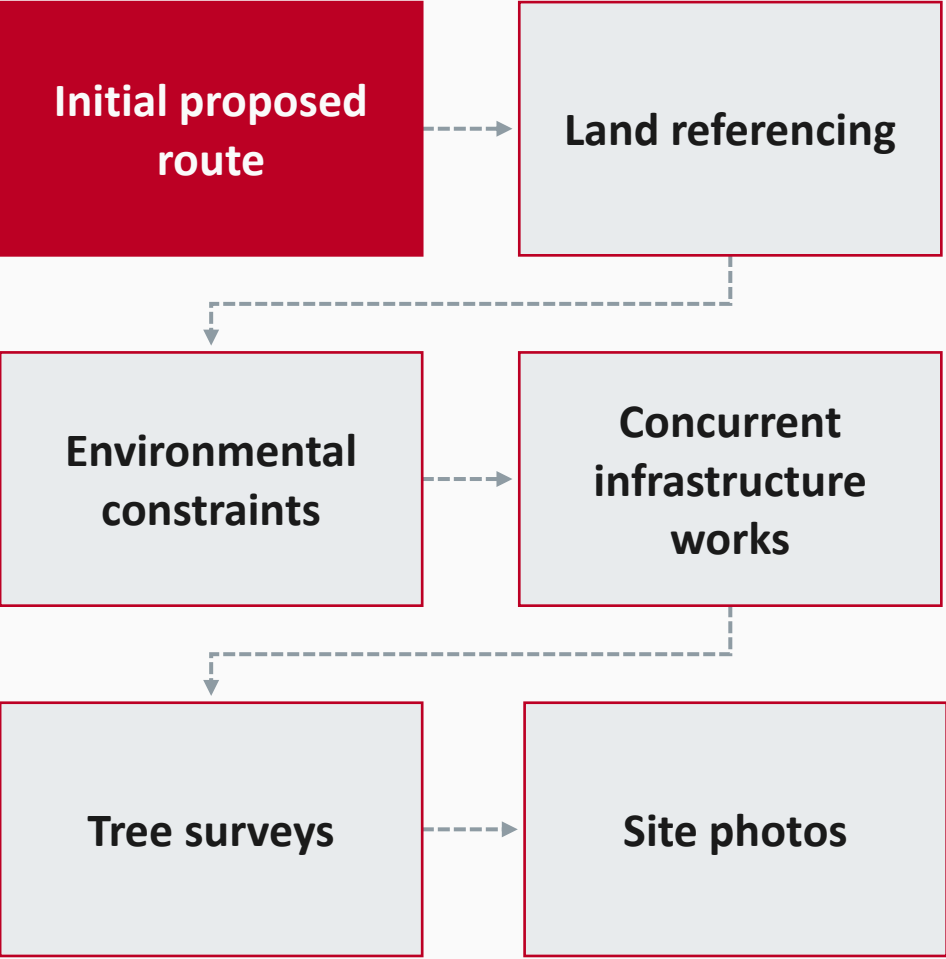
Working alongside Scottish Hydro Electric Power Distribution (SHEPD)

The project presented several complex environmental and land challenges

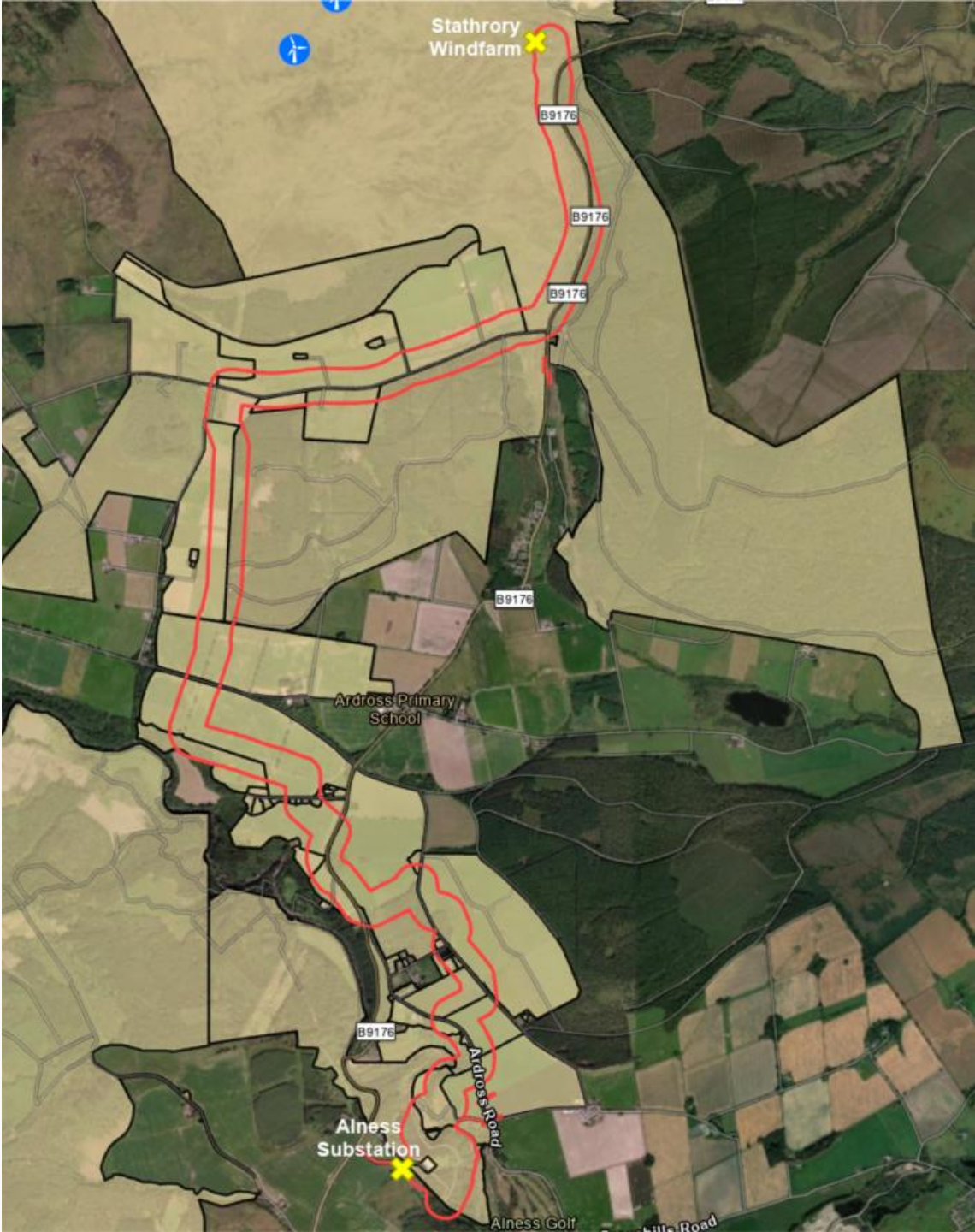
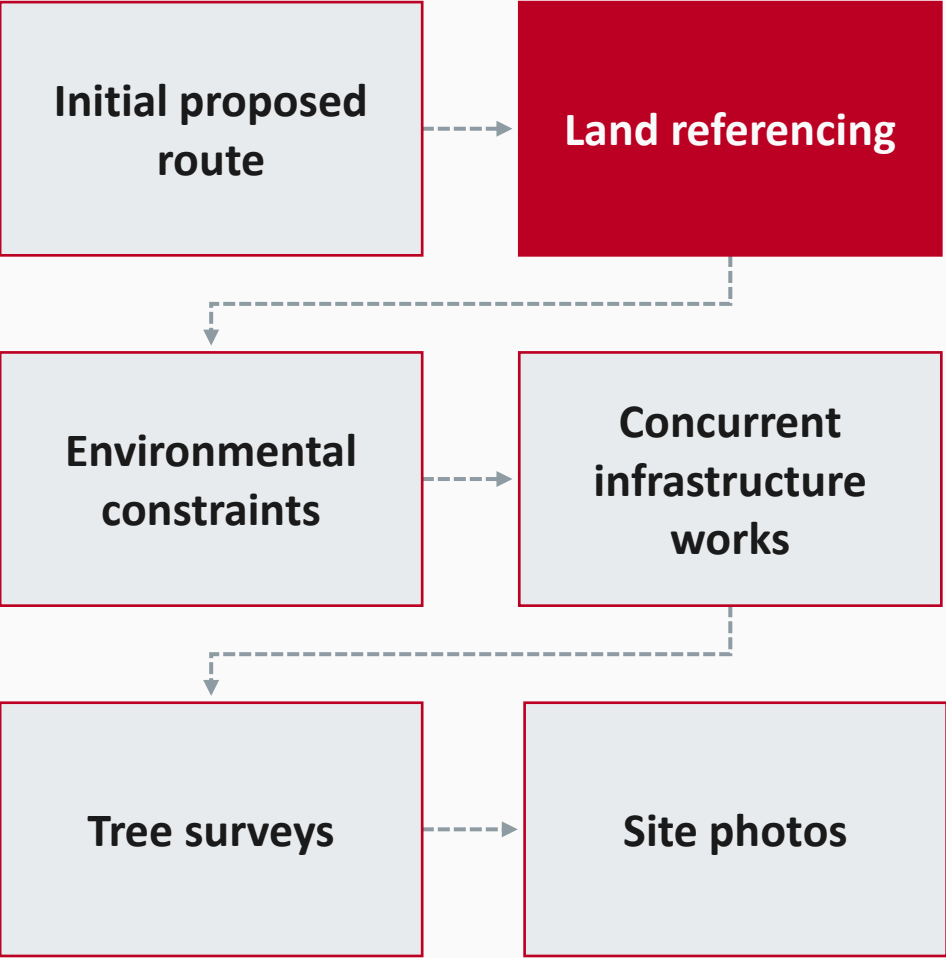
# Optimising the route



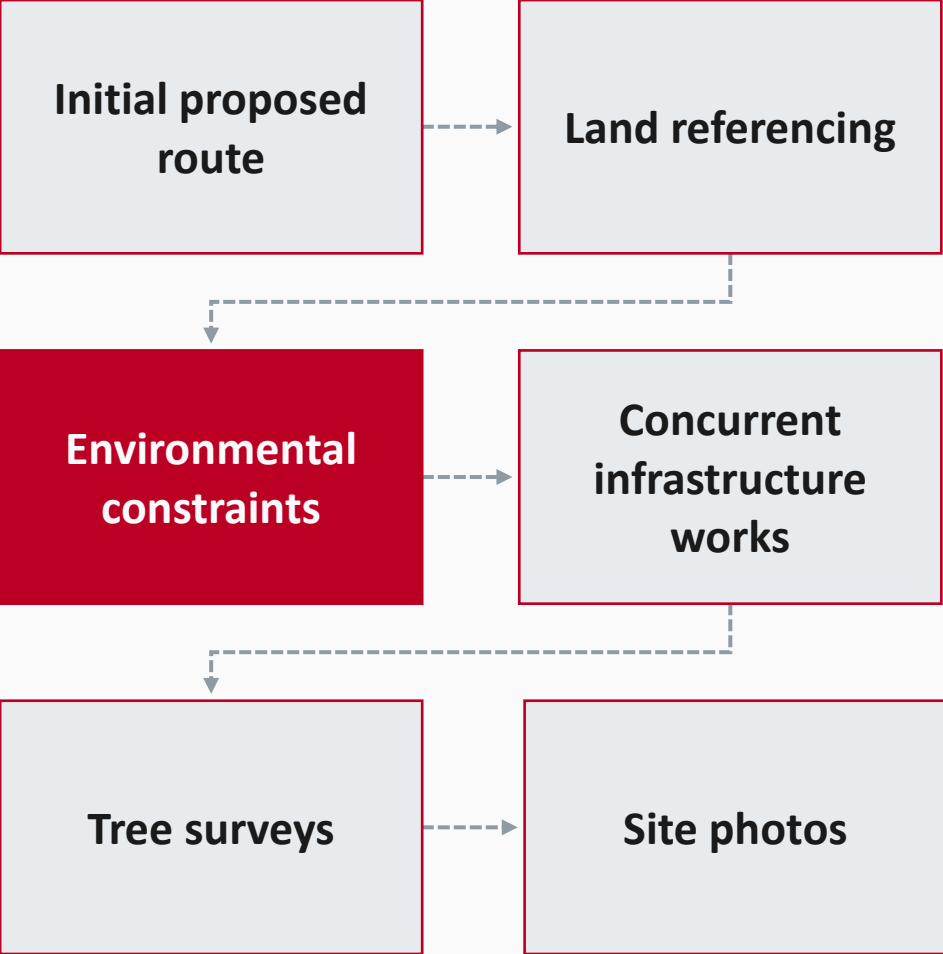
# Optimising the route



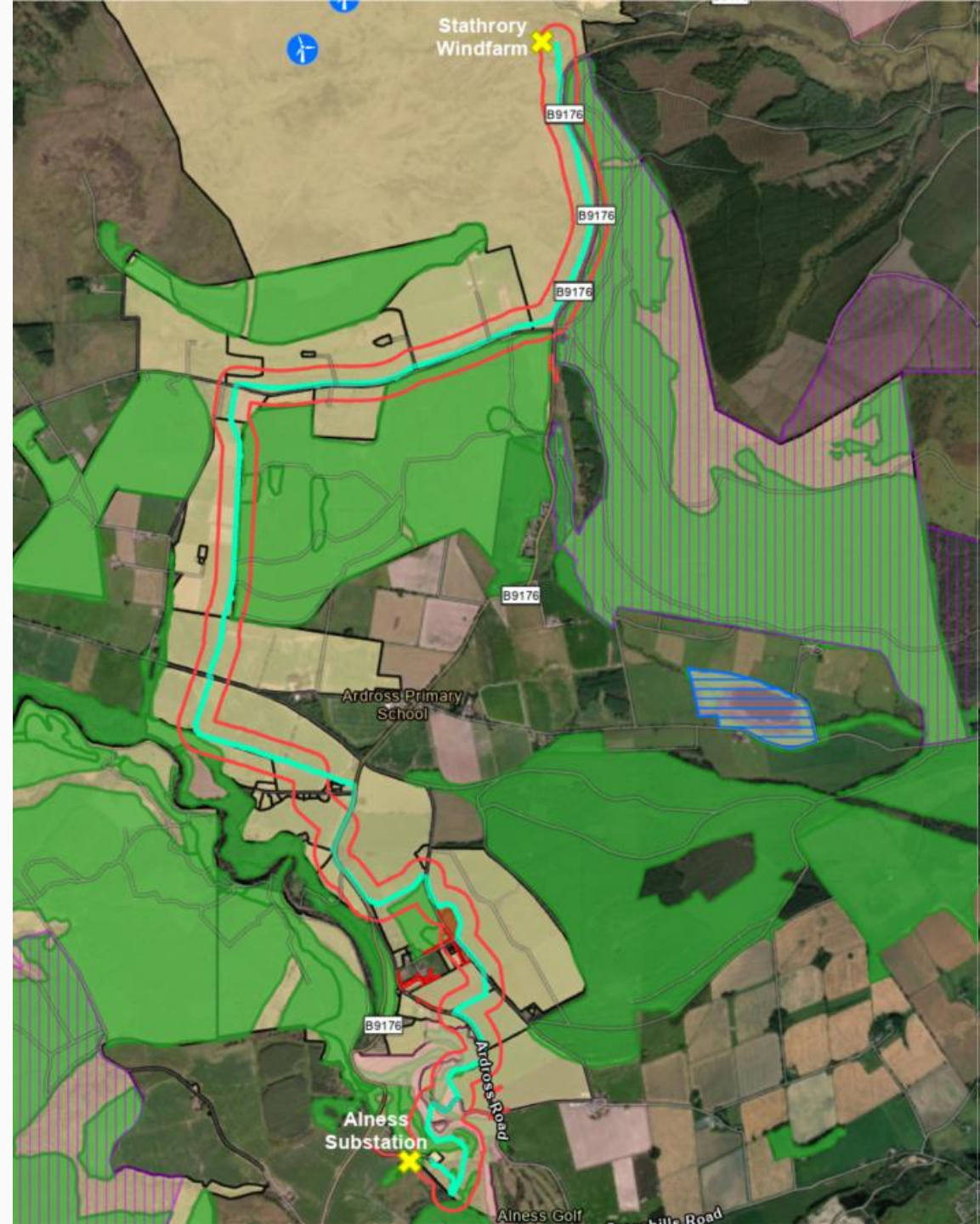
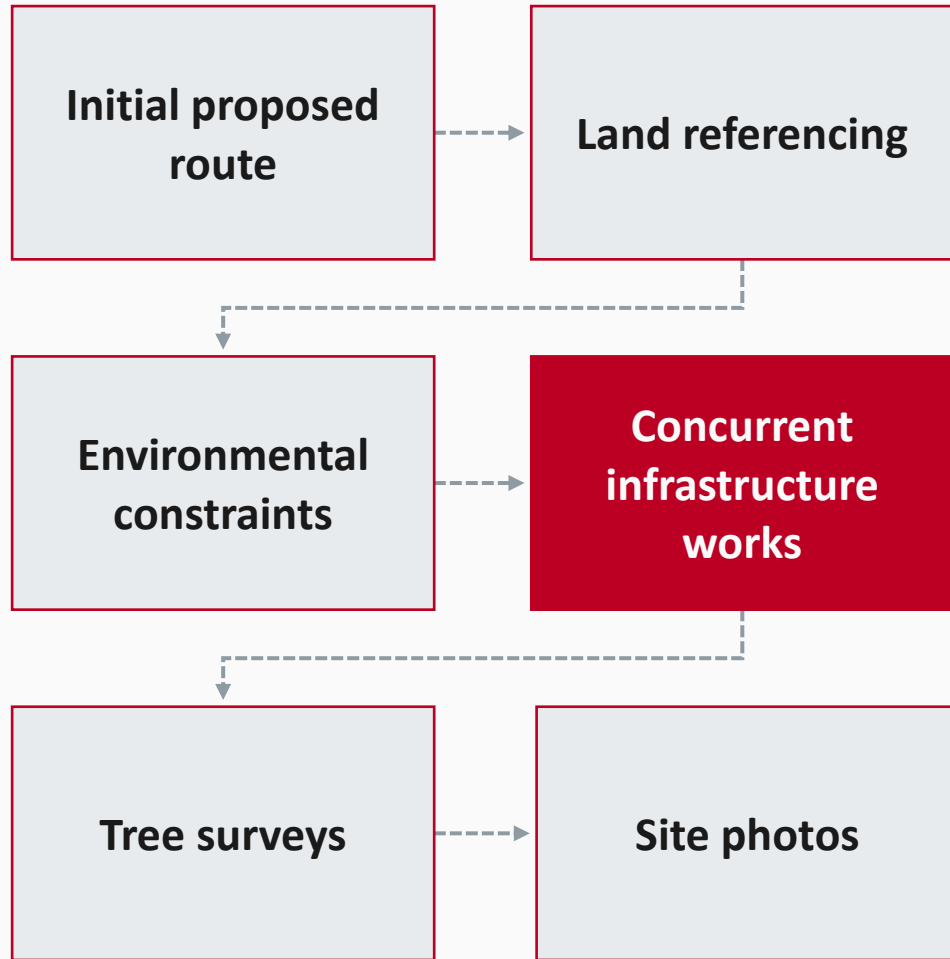
# Optimising the route



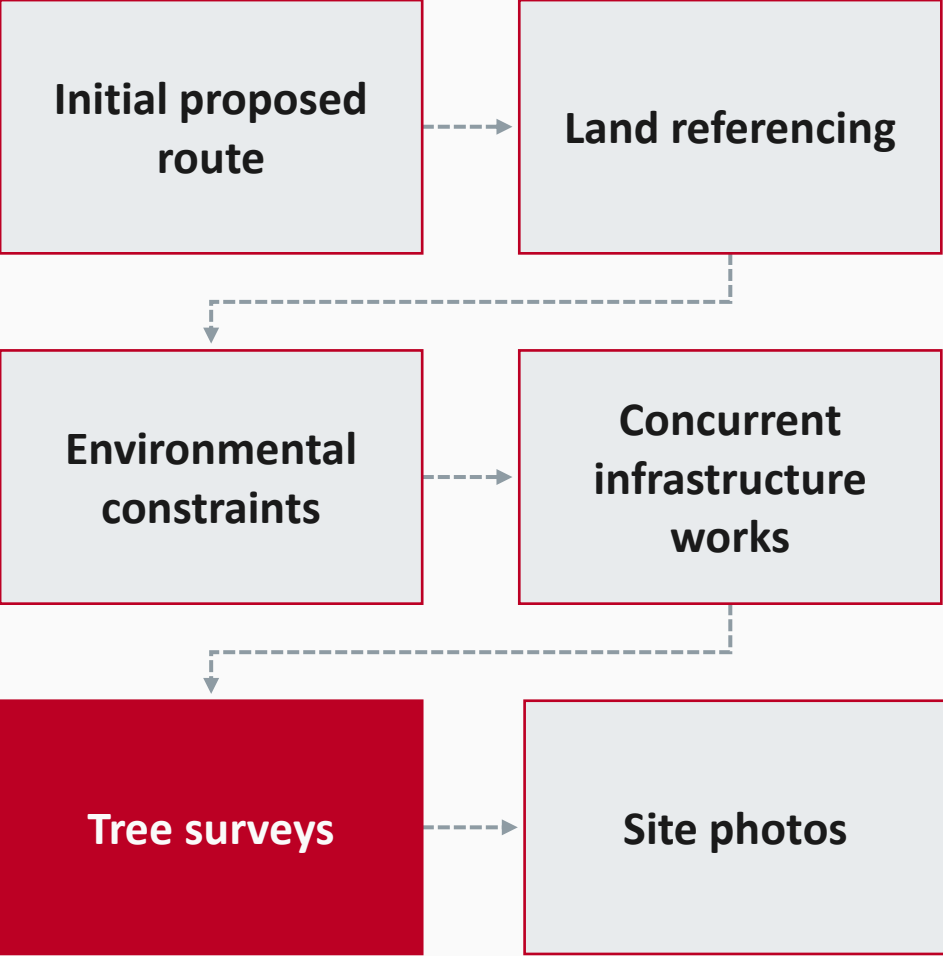
# Optimising the route



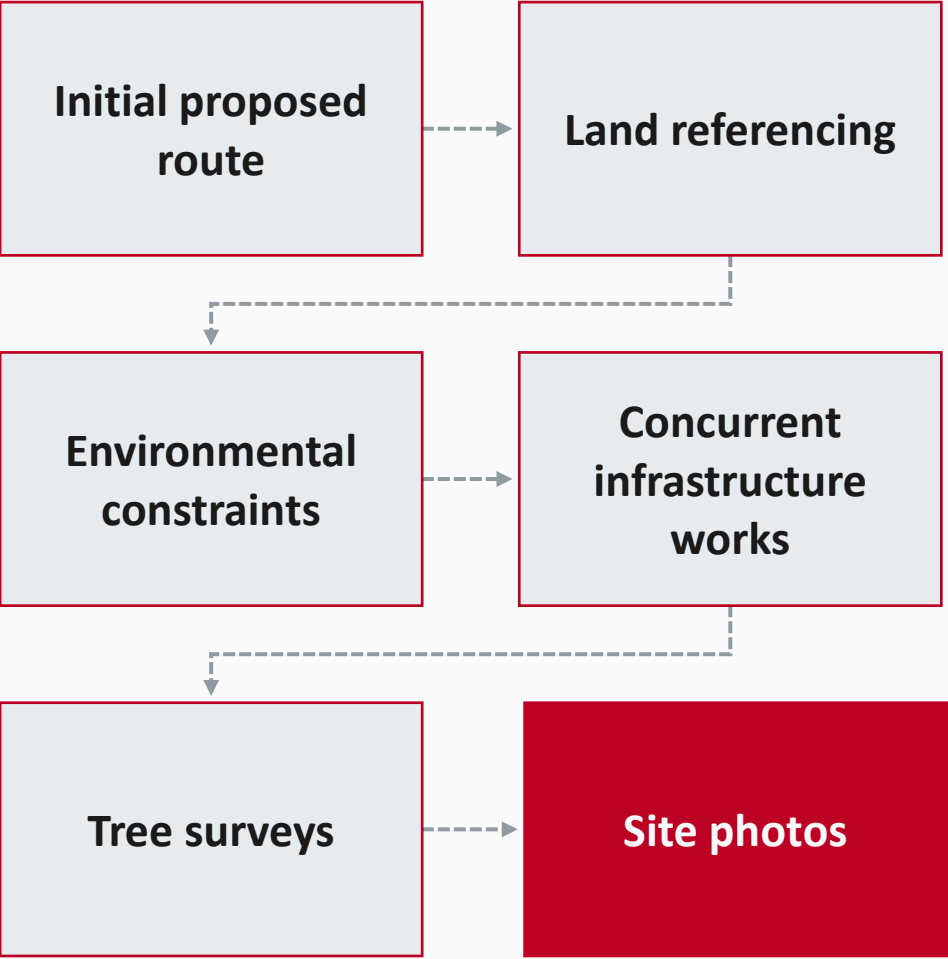
# Optimising the route



# Optimising the route



# Optimising the route





**DM**

Land adjacent to Ailseas, Scotland, N17 5AS  
 2645000, 870000

Topographical Survey Plan

Date	Issue	Revision
08.02.2020	Final Issue	

1 of 2

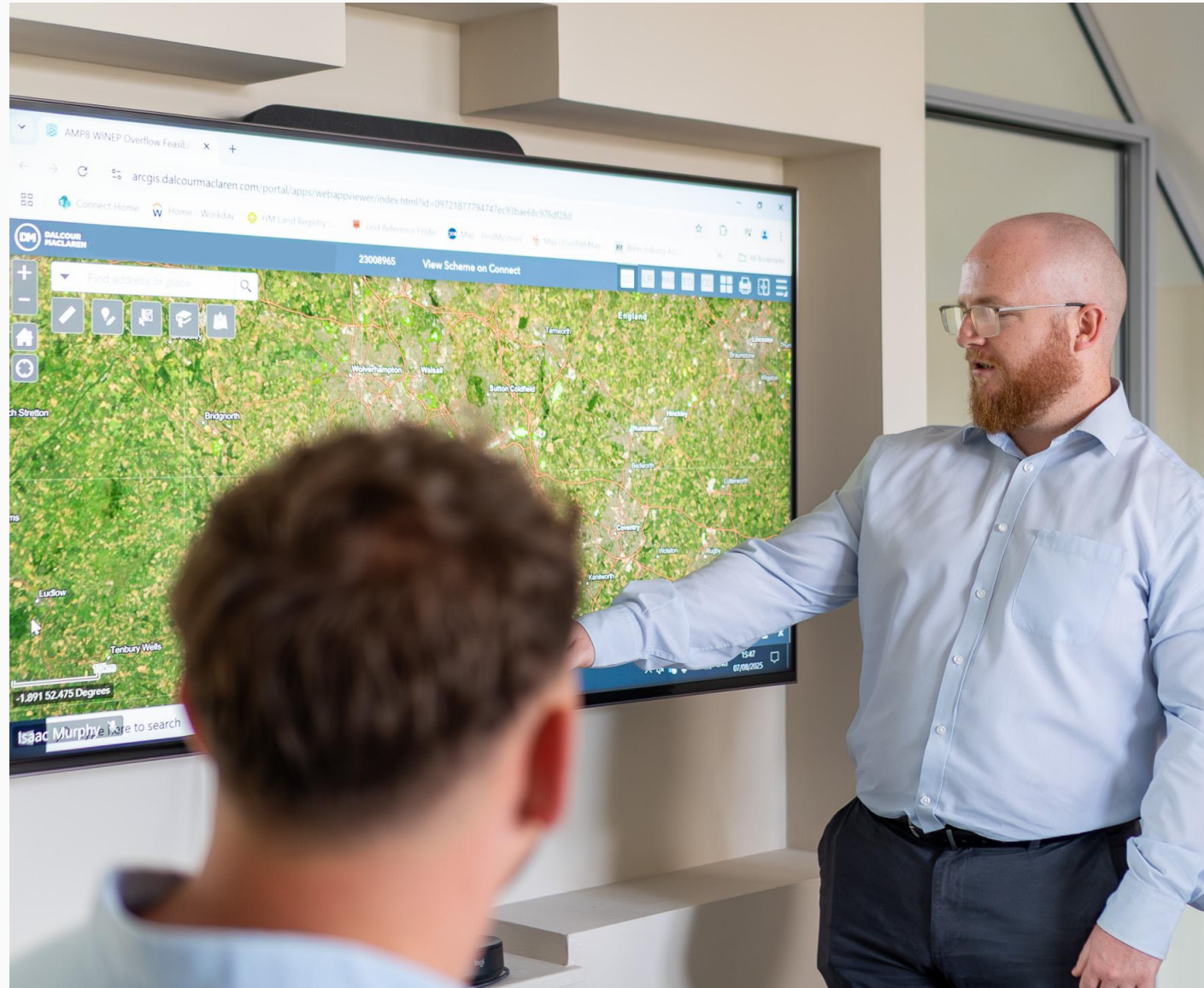
**DM**

**SHEET 1**

**SHEET 2**

# Landowner & stakeholder engagement

- 11 landowners
  - Scottish Ministers
  - Agricultural land
  - Estates
  - Unregistered/Unknown land
- Statutory bodies
  - SEPA
  - NatureScot
- Sub-contractors
  - Arboriculture surveys
  - Ecological surveys



# KEY TAKEAWAYS

01.

Early identification of risks with the right data

02.

Spatial data at the heart of decision making

03.

Landowner and stakeholder engagement

# Thank you

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Any questions?

## Contact

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