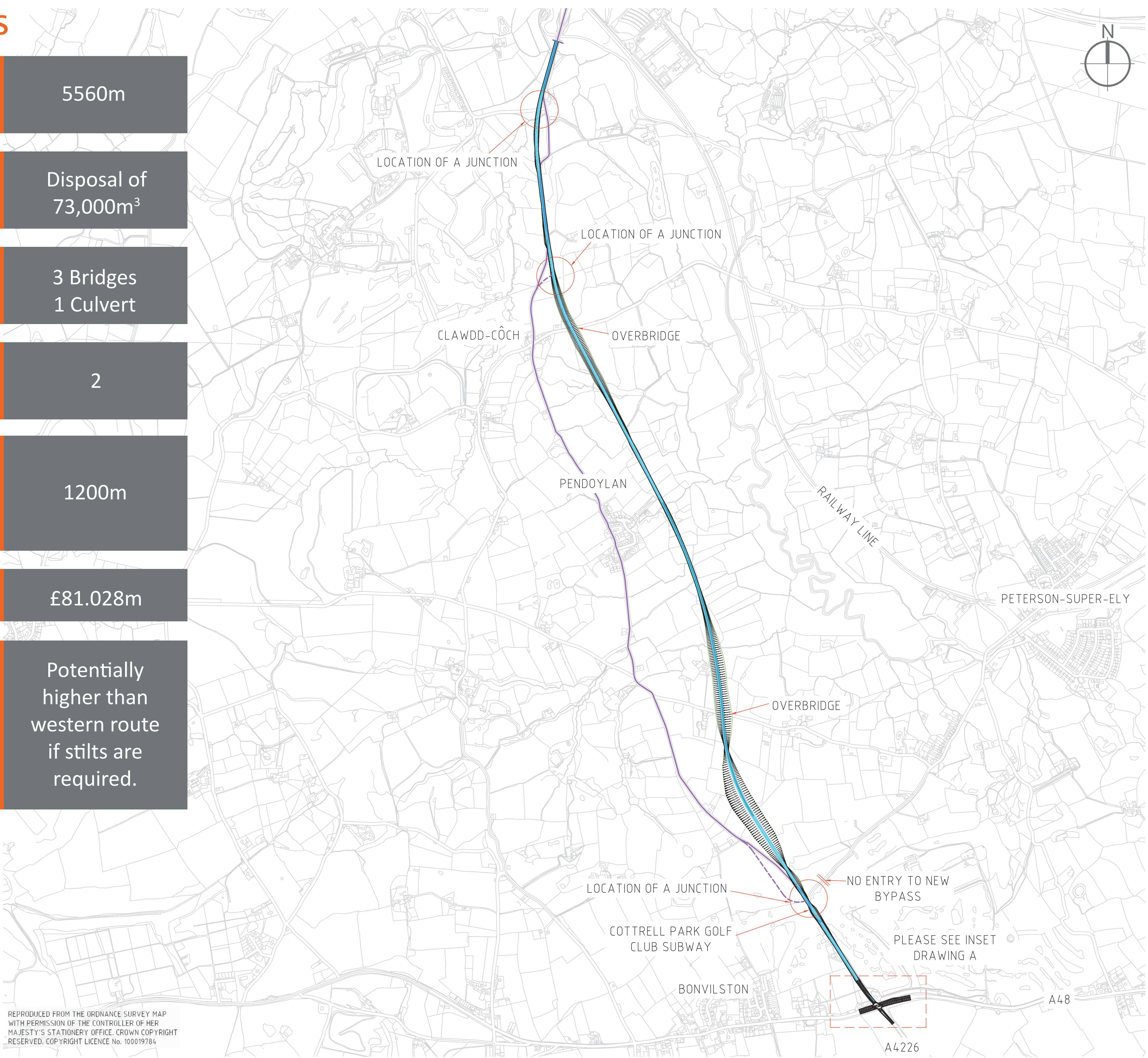


Highway Option 1: Eastern Route

Highway Option 1 is an eastern alignment that would connect from just south of Junction 34 of the M4 to the A48 at Sycamore Cross. The northern and southern sections would involve online improvements. The remainder of the route between these two junctions would be offline and bypass Pendoylan to the east of the village.

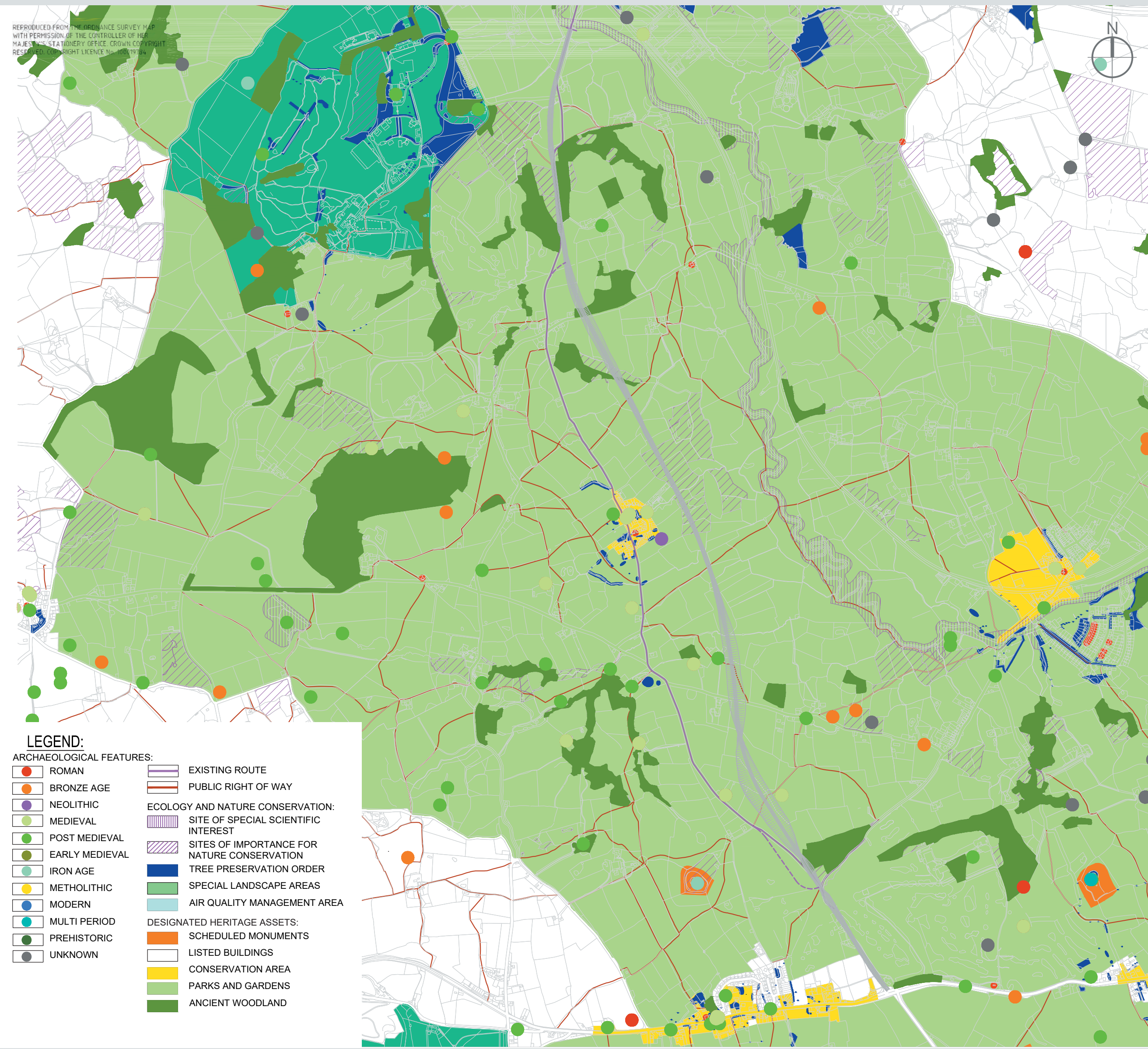
Key Features

Length of New Bypass	5560m
Cut and Fill Balance	Disposal of 73,000m³
Public Rights of Way Impacts	3 Bridges 1 Culvert
No. of Structures	2
Length of Floodplain Affected	1200m
Total Cost	£81.028m
Maintenance Costs	Potentially higher than western route if stilts are required.

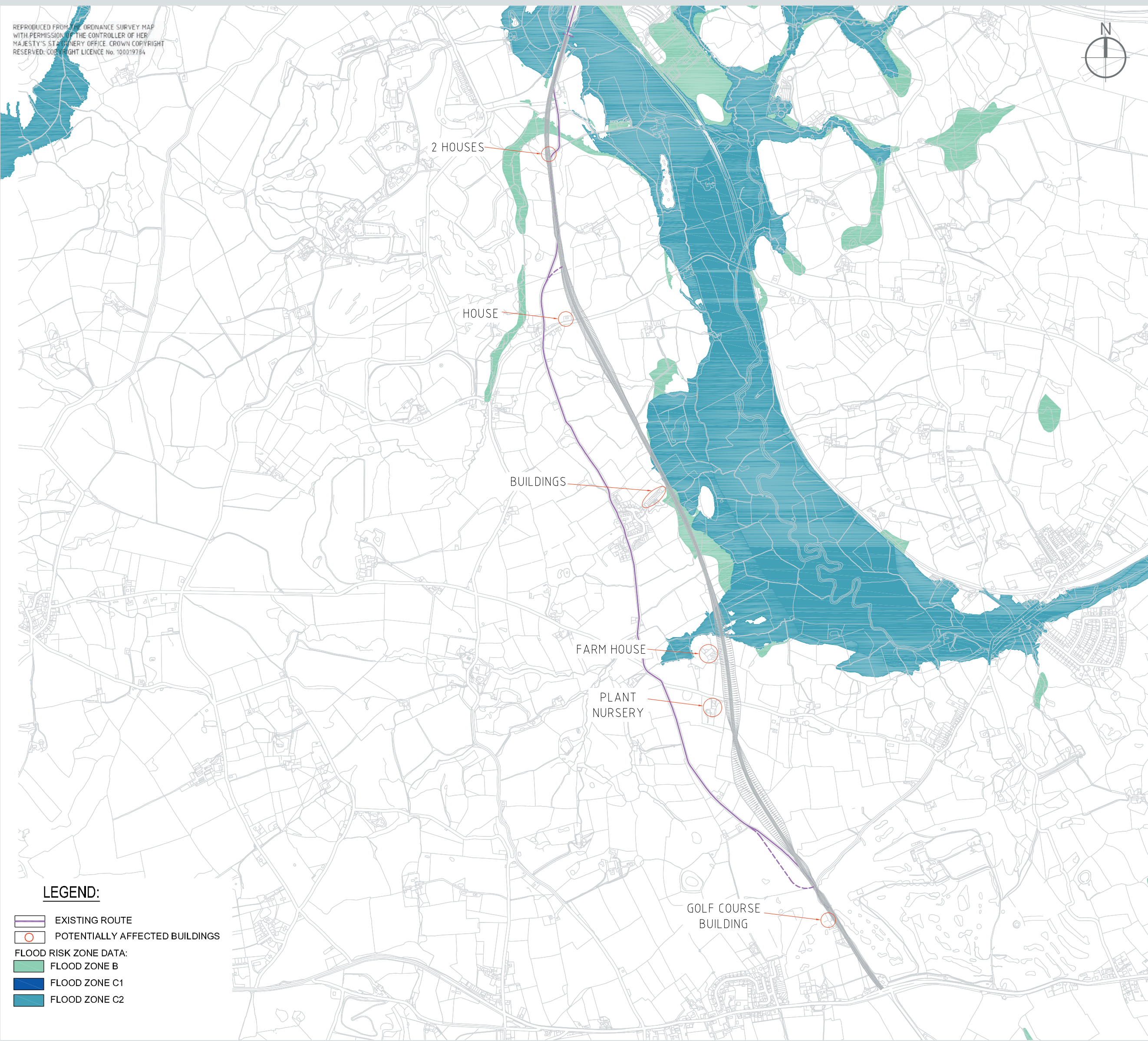


Key Issues

- The route would by-pass the existing communities of Pendoylan and Clawdd Coch.
- There would be some estimated seven properties affected by the route as shown, subject to more detailed design.
- The route would cross part of the floodplain for the River Ely, requiring consideration of how to deal with any flood impacts. It can be built on embankment with drainage culverts or might require stilts (this has been added as a potential risk on the cost).
- There would be some impacts on Ancient Woodland, although the alignment seeks to minimise impacts to the edges of woodlands
- There is potential for protected species to be located along the route.
- Buried archaeological features have the potential to add time and cost to any scheme and may impact on route alignments.



Environmental Constraints



Flood Constraints and Affected Buildings

Improving Strategic Transport Encompassing Corridors for the M4 Junction 34 to A48 Including the Pendoylan Corridor

WelTAG Stage Two: Outline Business Case