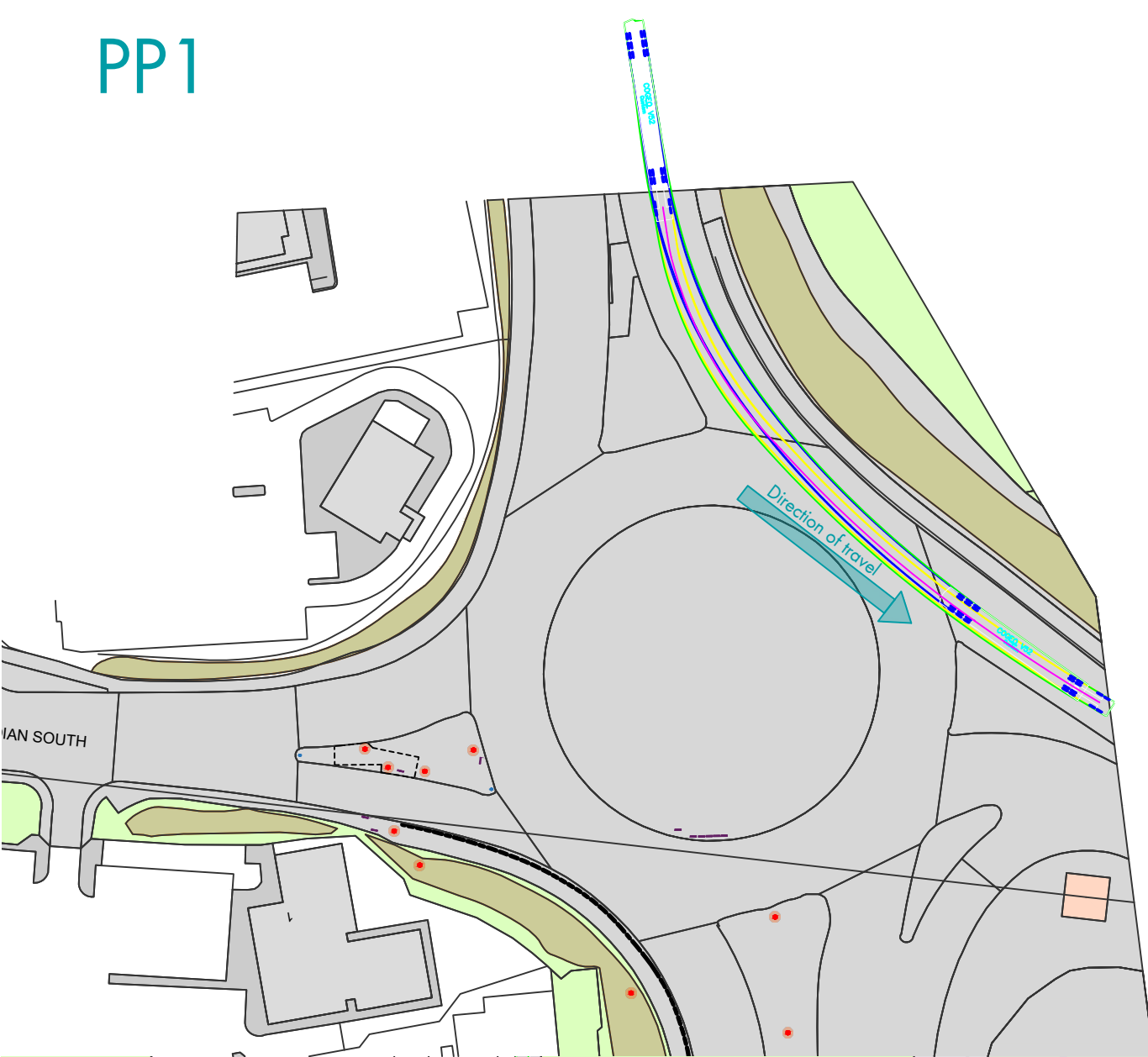
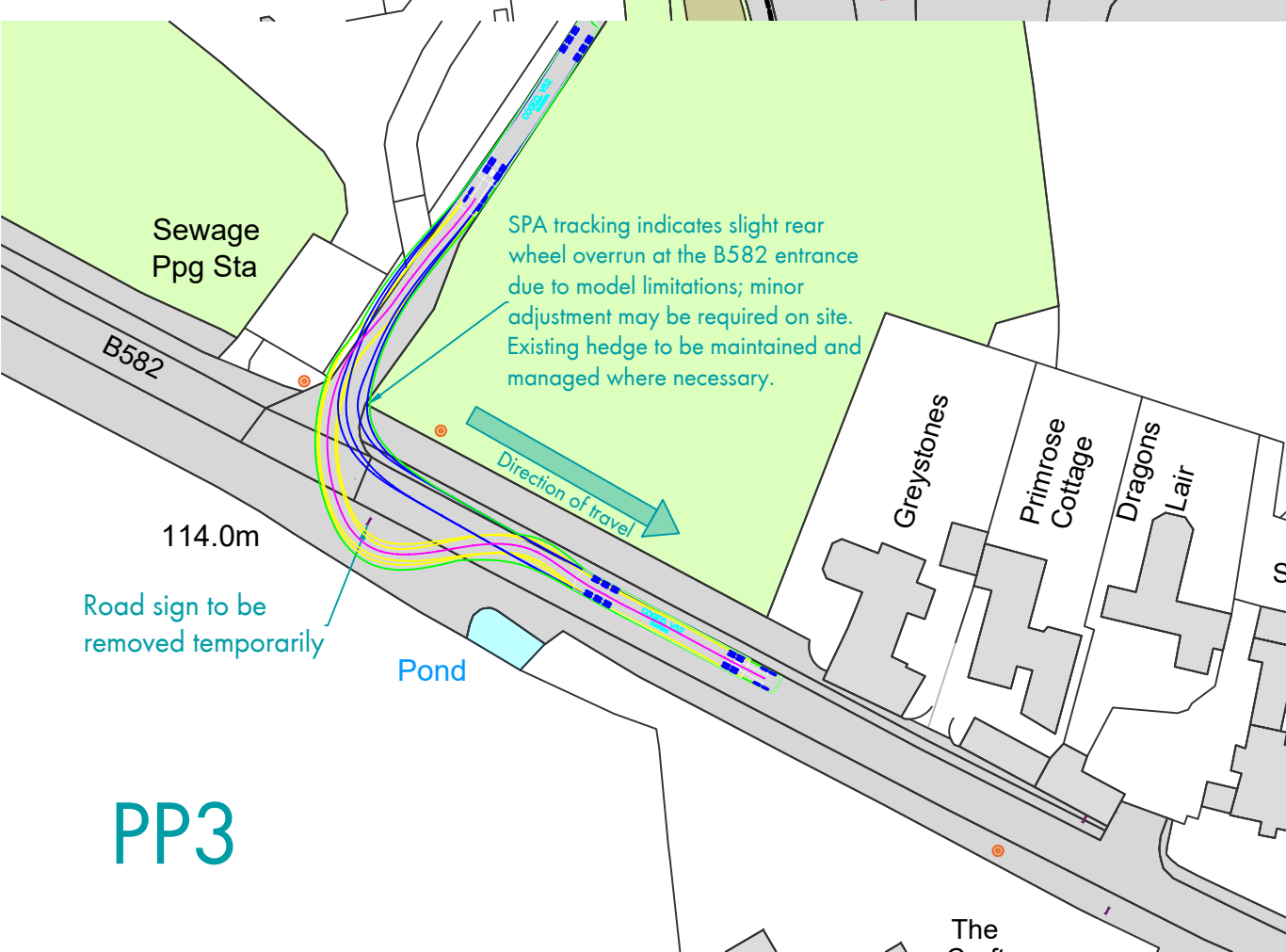
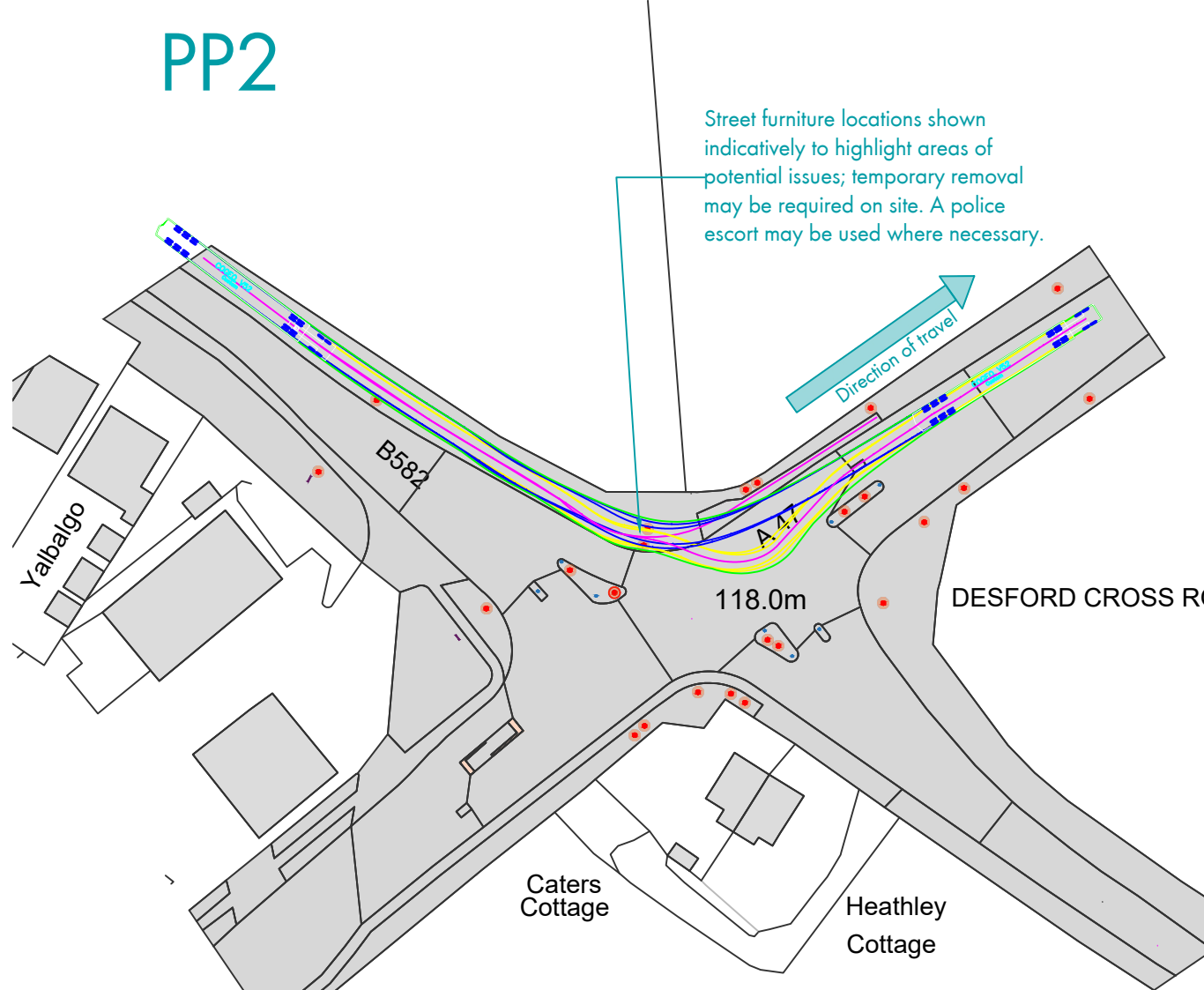


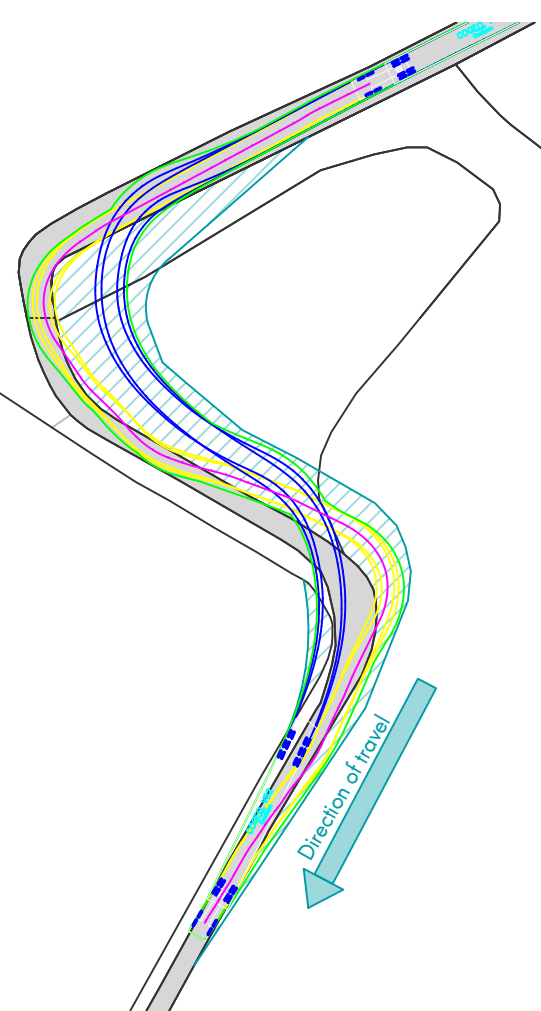
PP1



PP2



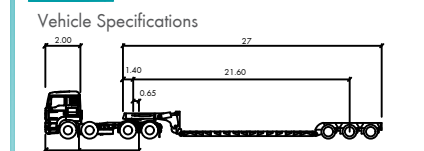
PP4



Appendix 8.4

Swept Path Analysis - 27m Trailer Exit - Part A

- Vehicle Centreline Pathway
- Rear Vehicle Tyres
- Front Vehicle Tyres
- Vehicle Load
- Lighting Column & Overhead Poles
- Bollard
- Electrical Safety Margin (0.5m)
- Non-lit Street Sign
- Land Taken for Temporary Reinforcement



Drawing Details
Desk-based swept path analysis (SPA) calculation generated for a trailer suitable for a Vestas V52 turbine at the 6 pinch points highlighted in Appendix 8.1. The trailer was chosen as a representation of the turbine blade length and the vehicle tracking was carried out at a speed of 15kph. Exit movements will be less constrained as the trailer will be unloaded.

NOTE: SPA modelling has limitations and cannot completely replicate real world actions. Shown for indicative purposes only to highlight areas of review in the field.

Pinch Point 1
The width and layout of the A563 roundabout are suitable for blade delivery vehicle movements, as demonstrated on the pinch point plan.

Pinch Point 2
The tracking shown on the plans illustrates that the turn between the two roads can be negotiated; however, the manoeuvre results in verge overrun and potential conflict with existing traffic poles. Further site investigations will be required prior to the delivery of turbine components to confirm suitability and identify any necessary mitigation measures.

Pinch Point 3
Exiting Park House Farm the front wheels will travel fully on the verge, on the right hand turn. Rear wheels will traverse verge on left hand turn. Street sign will be temporarily removed.

Pinch Point 4
Areas of land required to be taken to navigate the corners is shown. These areas will be reinforced temporarily and then restored to the current state.



Client Name Paul Hilyer
Project Name Park House Farm Repowering
Drawing Reference COGAPP/849/029/b
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