



Vale of Glamorgan Highway Authority Observation Sheet

Planning Application Ref:	2016/01427/OUT
Observations By:	Paul D Harrison
Date:	16 January 2017
Location:	Land off Cowbridge Road, St Athan
Proposal:	Residential development of up to 300 units and associated work, including the provision of public open space and strategic access points
Case Officer:	Mr. Steven Rennie

Further to reviewing the above, the submitted Transport Assessment (TA) and associated plans are required to be amended and resubmitted taking account of the following.

- 1 The proposed site layout and access arrangements are required to be provided on an engineering plan to a suitable scale (1/200), showing all engineering details and dimensions associated with cycleways, footways, dropped kerbs, tactile paving, carriageways, shared surfaces, junction radii, visibility splays (including forward visibility) and associated car parking spaces etc.
- 2 A single point of access is required to be provided from the adjacent highway into the main aspect of the site. As a result, the applicant is required to investigate the provision of a roundabout junction with St Athan Road/Eglwys Brewis Road/Cowbridge Road, with access provided to the site at this location.

If it is demonstrated that a roundabout junction cannot be provided, the access will be required to be formed as a priority ghost island T-junction. In addition visibility from the access will be required to be provided based on the recorded speeds along the adjacent highway.

- 3 The proposed combined cycleway/footway along the southern site of Cowbridge Road is required to be provided at 3.5m and not 3.0m as stated within the TA.
- 4 A combined cycle/footway (3.5m wide) is required to be provided along the northern side of Cowbridge Road across the complete frontage of the site, connecting to Flemingston Road.

- 5 Details of the proposed speed reducing features and pedestrian crossing facilities as mentioned within the TA are required to be provided and shown on plan.
- 6 The existing zebra crossing to the southeast of the site, adjacent to the exit of RAF base, is required to be replaced with a Toucan Crossing.
- 7 The existing 30/40mph speed limit transition adjacent to the site is required to be relocated approximately 250m northwest of its current location along St Athan Road and constructed as a gateway feature, with associated forward visibility shown on the submitted plans.
- 8 An assessment of road traffic accidents along the adjacent highway network is required to be undertaken within the TA for the most recent 5 year period, which shall be based on STATS 19 accident data. The assessment will be required to be undertaken for a distance of 500m from the site along St Athan Road and Eglwys Brewis Road and along Cowbridge Road (through St Athan Village), between the junctions of the B4265 and Eglwys Brewis Road.
- 9 A comparative assessment of the distribution of development trips along the adjacent highway network is required to be undertaken within the TA based on travel to work Census data.
- 10 A capacity analysis of the junctions of Eglwys Brewis Road/Cowbridge Road (pre and post improvements) Gilestone Road/B4265 and Cowbridge Road/site access is required to be undertaken using the appropriate modelling software.
- 11 Swept paths of a 11.22m refuse vehicle showing all turning movements in/out and within the site are required to be submitted for consideration.
- 12 Pedestrian and cycle permeability is required to be increase with the provision of additional links to and within the site.