DEVELOPMENT SERVICES
23 JAN 2009
RECEIVED

White Gate Farm, Mythe Lane, Witherley, Atherstone Warks CV9 3NU

Improve existing field access.
Provide new access road and landscaping.

DESIGN AND ACCESS STATEMENT

IMPROVEMENT TO THE EXISTING ACCESS:

The access referred to was given permission in 1972, permission number 72/5494/M.

The access was started, gates, drop kerb and hard standing were provided. Hardcore was partially laid up to the site. Some of this was lost when a new water main was laid to the farm, however, the outline of the road remains.

The proposals look to make improvements to this road and access. The other access to the agricultural unit is single track and is used by a further property. This particular road would be difficult to widen due to the other ownership of the adjacent house.

REQUIREMENT:

The existing main access is single track and conflicts occur at the junction due to its inadequate width. The access is near a bend and it is considered the access should be limited to residential use. The proposed improvement to the eastern access is on a road with light traffic, and can easily provide access for larger tractors and farm vehicles.

See also attached highway specialist's report.

Dated 22 January 2009
Ref: rw280711/1

Alder Mill
Sheepy Road
Atherstone
Warwickshire
CV9 3AH

FAO: Mr Robert Williams



Our Ref: PW/BN/NTT496/081219
Contact: paul.wilson@bwb-consulting.com
Direct Dial: 0115 8517436

Date: 19 December 2008

Dear Robert

WHITE GATE FARM, WITHERLEY, ATHERSTONE

We refer to our recent telephone conversation and your meeting on site with my colleague Andrew Gilnicz, on Friday 12 December 2008.

We understand that the local highway authority, Leicestershire County Council (LCC), have raised concerns regarding the proposed intensification of use of the existing farm access onto Atherstone Road, albeit moved slightly to the west. Specifically, whether suitable forward visibility can be achieved towards the rear of a vehicle turning right into the access and also whether the required visibility splays can be achieved from the proposed access along Atherstone Road. As a result, LCC have suggested that a speed survey should be undertaken on Atherstone Road at the proposed access location to determine the vehicle speeds and hence whether the required visibility could be achieved.

As you will be aware, Atherstone Road is subject to the national 60mph speed limit, although due to the bend in the road at the access location vehicle speeds are actually slower. A speed survey was therefore undertaken from the location of the proposed access on Friday 12 December 2008 between 1135 and 1330 hours to record the free-flowing speeds of passing vehicles. During the survey the weather was overcast and the road surface was wet. Because of the low number of vehicles travelling along Atherstone Road, the speed survey was undertaken until the speeds of a minimum of 50 vehicles were recorded in each direction.

The speed survey analysis is enclosed in Appendix A and shows that the eastbound 85th percentile wet weather speed was 35.6mph (57.5kph) and the southbound 85th percentile wet weather speed was 36.09mph (58.2kph). These recorded speeds are significantly less than the 60mph posted speed limit.

Technical Design Note 42/95 provides guidance of the visibility requirements at junctions and identifies that for a speed of 60kph a visibility splay of 90 metres should be provided. During the site visit the visibility splays from the proposed access were measured from a 2.4 metres setback distance along Atherstone Road, and have since been confirmed using Ordnance Survey (OS) mapping. A visibility splay of 145 metres is available to the west and a visibility splay in excess of 215 metres is available to

the north along Atherstone Road from a 2.4 metres setback distance. These visibility splays are in excess of the required 90 metres based on the results of the speed survey.

The forward visibility towards the rear of a vehicles turning right into the site was determined from the OS mapping to be 46 metres if measured within the extents of the existing carriageway. However a forward visibility distance in excess of 90 metres could be achieved if a slither of the verge adjacent to the northern side of the carriageway, which is assumed to be highway land, is utilised. Hence the required forward visibility distance could be achieved.

In summary, the required visibility splays can be achieved to and from the proposed access, as can the forward visibility towards the rear of vehicles turning right into the access. As a result, the proposed access should be acceptable to LCC.

We trust that the above and enclosed information is satisfactory to allow you to respond to LCC to address their concerns with regards to visibility at the proposed access. However, should you have any queries or require any further information please do not hesitate to contact us.

Yours sincerely

Paul Wilson
Associate

enc

APPENDIX A

SPEED SURVEY RESULTS

observed speed mph x	no. of readings f	fx	fx^2
10	0	0	0
11	0	0	0
12	0	0	0
13	0	0	0
14	0	0	0
15	0	0	0
16	0	0	0
17	0	0	0
18	0	0	0
19	0	0	0
20	0	0	0
21	1	21	441
22	1	22	484
23	0	0	0
24	3	72	1728
25	1	25	625
26	3	78	2028
27	3	81	2187
28	5	140	3920
29	5	145	4205
30	4	120	3600
31	2	62	1922
32	7	224	7168
33	4	132	4356
34	3	102	3468
35	2	70	2450
36	1	36	1296
37	1	37	1369
38	1	38	1444
39	1	39	1521
40	0	0	0
41	1	41	1681
42	0	0	0
43	1	43	1849
44	0	0	0
45	0	0	0
46	0	0	0
47	0	0	0
48	1	48	2304
49	0	0	0
50	0	0	0
51	0	0	0
52	0	0	0
53	0	0	0
54	0	0	0
55	0	0	0
56	0	0	0
57	0	0	0
58	0	0	0
59	0	0	0
60	0	0	0
61	0	0	0
62	0	0	0
63	0	0	0
64	0	0	0
65	0	0	0
66	0	0	0
67	0	0	0
68	0	0	0
69	0	0	0
70	0	0	0
71	0	0	0
72	0	0	0
73	0	0	0
74	0	0	0
75	0	0	0
76	0	0	0
77	0	0	0
78	0	0	0
79	0	0	0
80	0	0	0
Total Σ	51	1576	50046

SPEED READINGS

location: **Atherstone Road, Witherley**
direction: **Southbound**
day: **Friday**
date **12-Dec-08**
time: **1137-1330 hours**

SUMMARY

mean	30.90 mph	49.9 kph
85%ile	36.09 mph	58.2 kph
wet 85%ile	36.09 mph	58.2 kph

Mean speed

$$\bar{x} = \frac{\Sigma\ fx}{\Sigma\ f} =$$ 30.90 mph

Standard deviation

$$S_x = \sqrt{\frac{1}{\Sigma f - 1} \times \left[\Sigma fx^2 - \frac{(\Sigma fx)^2}{\Sigma f} \right]} =$$ 5.19 mph

85 percentile wet weather spot speed

$$\bar{x} + S_x =$$ 36.09 mph

SOUTHBOUND SPEED SURVEY RESULTS