Sight Lines for proposed development east of No 60 Sinah Lane, Hayling Island

The Proposal:-

The proposed development is to the east of the existing No 60 Sinah Lane, Hayling Island and it is proposed to have a new vehicular access directly onto Sinah Lane. There is a tree in the existing boundary hedge which is subject to a Tree Preservation Order and this will remain but will not interfere with the sight line to the west. The front hedge will be replanted at the back edge of the sight line on both sides of the drive.

Details of the existing road layout:-

The average width of the road at the access point is approximately 4.20 metres with a 90° bend turning south, west of the access point and a "Give Way" controlled junction with Warren Close on the west side of the bend. The road is subject to a 30mph speed limit. However, vehicles negotiating the bend from both directions are unable to carry out that manoeuvre physically at more than 15 to 20mph.

Sight Lines:-

The Department of Transport document "Manual for Streets" (Table 7.1 Page 91) indicates a clear sight distance of 43metres in both directions for a speed of 30mph from a point 2.4metres back from the edge of the carriageway. The proposed sight lines are 43metres to the east and 39.70 metres to the west where the realistic speed around the bend in the road varies between 15 and 20mph (Manual for Streets requirements for this speed range are 17 to 25metres). The achievable west visibility distance substantially exceeds the requirements of Table 7.1 for the reduced speed range on the bend.

The X-distance from the edge of the carriageway to the point of vision from a vehicle leaving is 2.4meters with Y- distances to the west of 35.9 metres to the junction with Warren Close and 47.7 metres for Sinah Lane south of the bend and to the east, 43+ metres.

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2nd December 2009

Amendments shown in red are dimensions check-measured on site on 2nd December 2009.