

## Highways Technical Note

Site: 10 Penfold Way, Leigh Park, Havant  
Prepared by: HM  
Approved by: DM  
Date: 12/10/2022

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### 1.0 Introduction

- 1.1 This Highways Technical Note has been prepared to support the conversion of an existing garage into a habitable room at 10 Penfold Way, Leigh Park, Havant PO9 4BQ (herein referred to as 'the site').
- 1.2 This Technical Note considers the impact of losing the garage and resultant off-street parking space in respect of additional on-street demand.

### 2.0 Existing On-Street Parking

- 2.1 The existing on-street parking levels, or 'stress', surrounding the development site have been assessed through the undertaking of manual surveys, largely in accordance with the 'Lambeth Council Parking Survey Guidance Note' (Lambeth Council, 2009).
- 2.2 Lambeth's Council parking survey methodology is broadly accepted and involved one overnight parking beat between the hours of 00:30 and 05:30 on 2 separate weeknights. This is intended to capture the maximum residential parking demand within a 200-metre radius of the identified site. The local parking capacity is deemed 'stressed' when on-street parking exceeds 85% capacity.

#### Survey Design

- 2.3 In accordance with the above guidance, parking surveys were carried out on Wednesday 28<sup>th</sup> September 2022 at 05:15 hours and Thursday 29<sup>th</sup> September 2022 at 05:10 hours.
- 2.4 As noted previously, the survey area has been designed to extend 200 metres from the site, within the 200-metre radius comprising the following roads:
- ▶ Penfold Way
  - ▶ Freeley Road
  - ▶ Spinner Drive
  - ▶ Shearer Close
  - ▶ Dale Square
  - ▶ Ramsdale Avenue
  - ▶ Quarely Road
- 2.5 The number of existing parking spaces in the survey area were identified from on-street observations and site measurement as a part of the analysis. For the purposes of calculating parking stress as defined by the Lambeth guidance document, it is assuming that each vehicle takes up an average kerb space of 5 metres. Therefore, where parking bays are not physically marked out, lengths of kerb space were measured and split into increments of 5 metres. Physical bays have been divided into 5 metre intervals and rounded to the nearest whole number to calculate the capacity of each space. Any locations with a length of kerb shorter than 5 metres or along vehicle crossovers, have been eliminated from the available kerb space, in accordance with the guidance.

## Survey Results and Analysis

- 2.6 The parking survey results, including plans of the observed parking location are included for reference at **Appendix A**. The results indicate that across the assessment area there are an equivalent of 118 on-street parking spaces along unrestricted kerb lines.
- 2.7 In terms of car parking occupancy, the survey results are set out in full within Table 2.1 for Wednesday 28<sup>th</sup> September 2022 and Table 2.2 for Thursday 29<sup>th</sup> September, 2022.

| Street Name     | Spaces     | Used      | % Stress  |
|-----------------|------------|-----------|-----------|
| Penfold Way     | 19         | 13        | 68        |
| Freeley Road    | 26         | 13        | 50        |
| Spinner Drive   | 7          | 5         | 71        |
| Shearer Close   | 15         | 12        | 80        |
| Dale Square     | 4          | 3         | 75        |
| Ramsdale Avenue | 31         | 26        | 84        |
| Quarely Road    | 16         | 15        | 94        |
| <b>Total</b>    | <b>118</b> | <b>87</b> | <b>74</b> |

Table 2.1 - Wednesday 28<sup>th</sup> September 2022 Survey Results

- 2.8 Table 2.1 indicates that there are 31 parking spaces available in the study area during the first survey, equating to a parking stress of 74%. On just Penfold Way, there are 6 available spaces, equating to a 68% parking occupancy.

| Street Name     | Spaces     | Used      | % Stress  |
|-----------------|------------|-----------|-----------|
| Penfold Way     | 19         | 13        | 68        |
| Freeley Road    | 26         | 18        | 69        |
| Spinner Drive   | 7          | 5         | 71        |
| Shearer Close   | 15         | 11        | 73        |
| Dale Square     | 4          | 1         | 25        |
| Ramsdale Avenue | 31         | 26        | 84        |
| Quarely Road    | 16         | 14        | 88        |
| <b>Total</b>    | <b>118</b> | <b>88</b> | <b>75</b> |

Table 2.2 - Thursday 29<sup>th</sup> September, 2022 Survey Results

- 2.9 Table 2.2 indicates that there are 30 spaces available in the study area during the survey on Thursday 29<sup>th</sup> September 2022, equating to 75% occupancy. On just Penfold Way, there are again 6 available spaces, equating to a 68% parking occupancy.

## Summary

- 2.10 The survey identifies that the existing overnight and weekend parking occupancy is in the range of 74-75% for the total 200-metre study area. This decreases to 68% occupancy for Penfold Way itself. This is below the 85% threshold at which road networks are considered 'stressed'.
- 2.11 The above must be considered alongside the net addition of one additional car parking on-street due to the removal of the existing garage. The addition of one vehicle to the network would not significantly alter the on-street parking stress. Demand during the busier survey, based on the entire study 200 metre study area, would remain at 75%. This is below the 85% threshold that categorises an area as 'stressed'.
- 2.12 Therefore, there is sufficient capacity on-street to accommodate any increase in demand associated with the proposed residential dwelling.

## 3.0 Conclusion

- 3.1 In conclusion, the analysis described in this Technical Note demonstrates that any parking demand associated with the proposed dwelling can be accommodated on-street. Therefore, the development will not materially impact local network parking stress. On this basis, it is considered that no adverse parking impact will arise from the development.

## **Appendix A**

Parking Beat Survey

10 PENFOLD WAY, LEIGH PARK, HAVANT PO9 4BQ

## PARKING STRESS SURVEY

## RESULTS

### SURVEY LOCATION PLAN

### PARKING RESTRICTION PLAN

### PARKED VEHICLE LOCATION PLANS

SEPTEMBER 2022

LAMBETH METHODOLOGY



BENCHMARK DATA COLLECTION

**10 PENFOLD WAY, LEIGH PARK, HAVANT PO9 4BQ - PARKING STRESS SURVEY - WEDNESDAY 28/09/2022 05:15**

| ROAD NAME       | TOTAL<br>LENGTH (m) OF<br>KERB SPACE | LENGTH OF<br>UNRESTRICTED<br>PARKING<br>(m) | NUMBER OF<br>UNRESTRICTED<br>5m PARKING SPACES | NUMBER OF<br>VEHICLES<br>PARKED | UNRESTRICTED<br>PARKING<br>STRESS<br>% |
|-----------------|--------------------------------------|---------------------------------------------|------------------------------------------------|---------------------------------|----------------------------------------|
| PENFOLD WAY     | 349.5                                | 119.6                                       | 19                                             | 13                              | 68                                     |
| FREELEY ROAD    | 371.2                                | 151.8                                       | 26                                             | 13                              | 50                                     |
| SPINNER DRIVE   | 160.4                                | 52.4                                        | 7                                              | 5                               | 71                                     |
| SHEARER CLOSE   | 220.2                                | 95.3                                        | 15                                             | 12                              | 80                                     |
| DALE SQUARE     | 42.2                                 | 24.2                                        | 4                                              | 3                               | 75                                     |
| RAMSDALE AVENUE | 274.4                                | 151.2                                       | 31                                             | 26                              | 84                                     |
| QUARELY ROAD    | 209.8                                | 98.1                                        | 16                                             | 15                              | 94                                     |
| <b>TOTAL</b>    | <b>1627.7</b>                        | <b>692.6</b>                                | <b>118</b>                                     | <b>87</b>                       | <b>74</b>                              |

**10 PENFOLD WAY, LEIGH PARK, HAVANT PO9 4BQ - PARKING STRESS SURVEY - THURSDAY 29/09/2022 05:10**

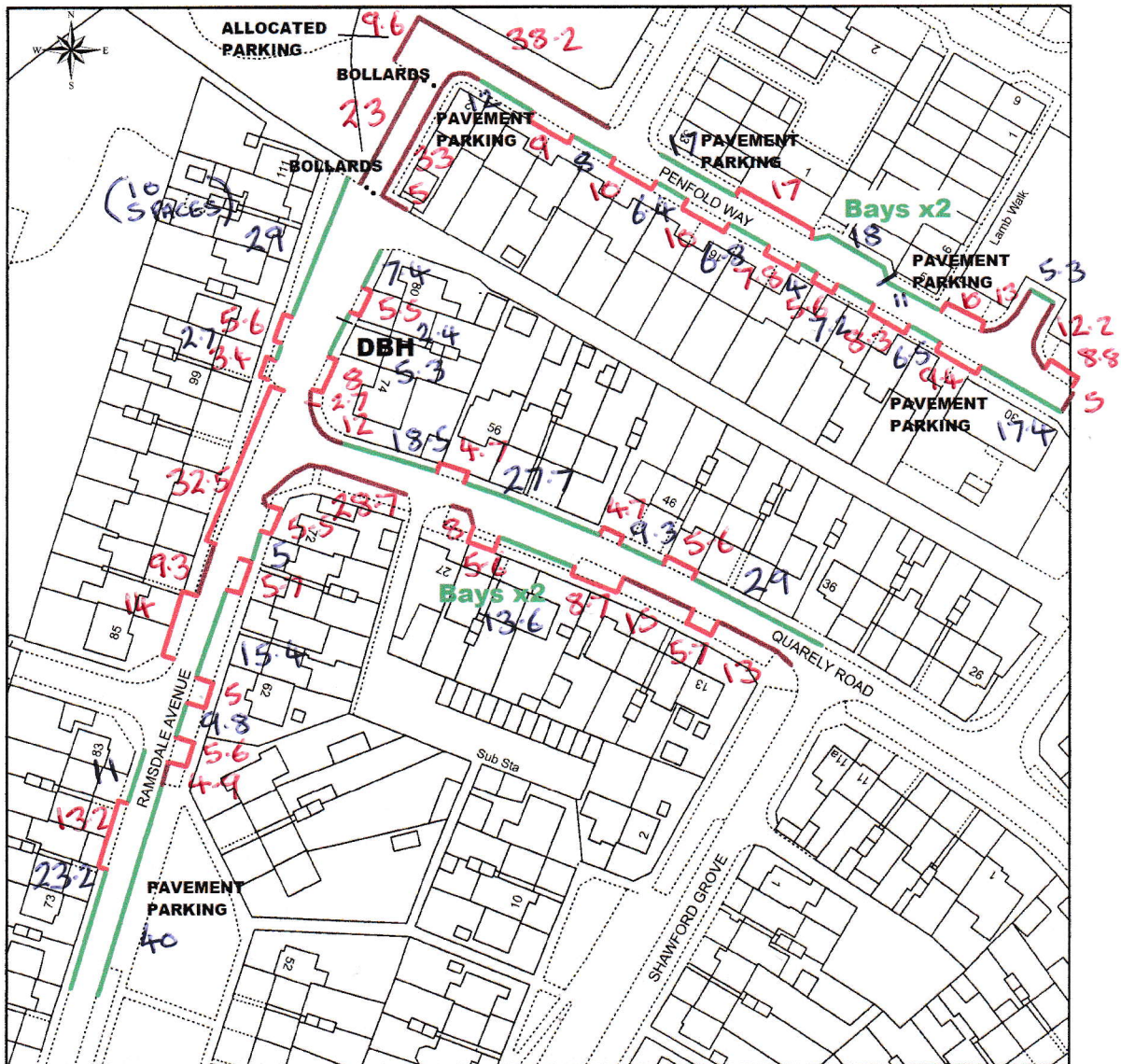
| ROAD NAME       | TOTAL<br>LENGTH (m) OF<br>KERB SPACE | LENGTH OF<br>UNRESTRICTED<br>PARKING<br>(m) | NUMBER OF<br>UNRESTRICTED<br>5m PARKING SPACES | NUMBER OF<br>VEHICLES<br>PARKED | UNRESTRICTED<br>PARKING<br>STRESS<br>% |
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# SURVEY AREA



**10 PENFOLD WAY, HAVANT PO9 4BQ**  
**PARKING STRESS SURVEY AREA**

**BENCHMARK**  
**DATA COLLECTION**  
**N.T.S.**



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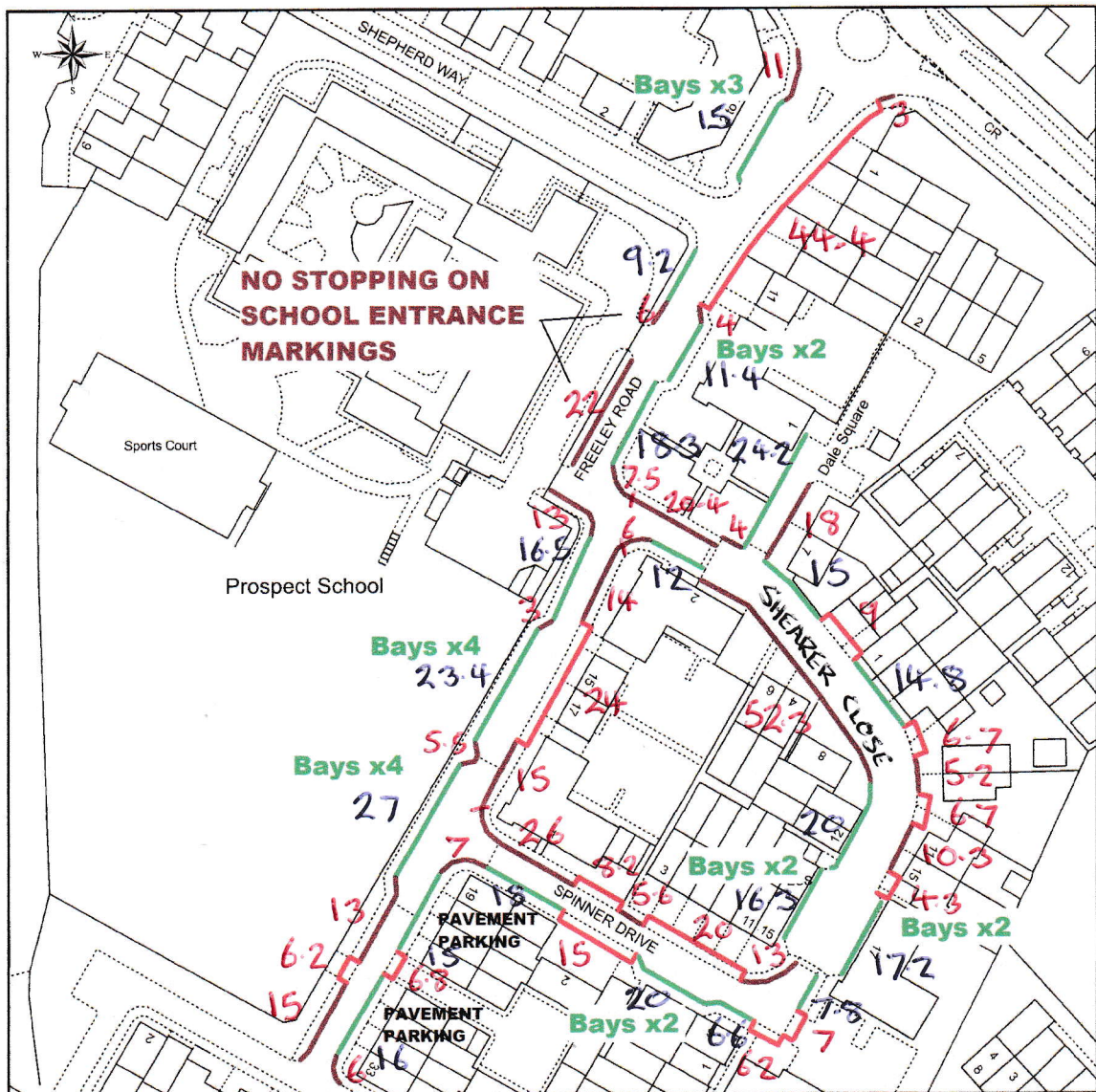
0m 20m 40m 60m 80m 100m

Scale: 1:1250, paper size: A4

- ACCEPTABLE PARKING
- SINGLE YELLOW LINE (SYL)
- DOUBLE YELLOW LINE (DYL)
- UNACCEPTABLE PARKING
- └┐ DROPPED KERB

DBH DISABLED BADGE HOLDER  
ALL MEASUREMENTS IN METRES

## **PARKING RESTRICTIONS**



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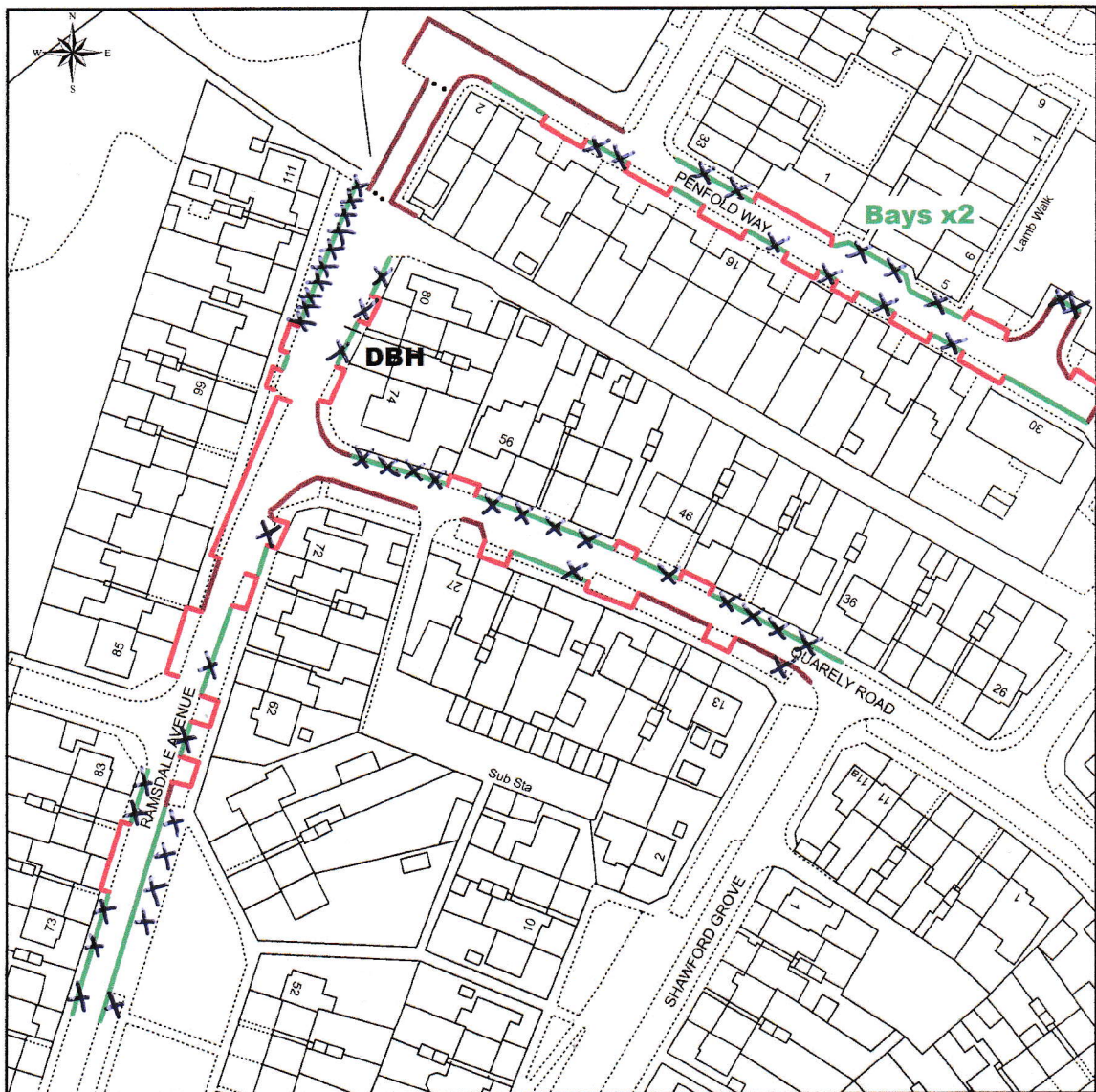
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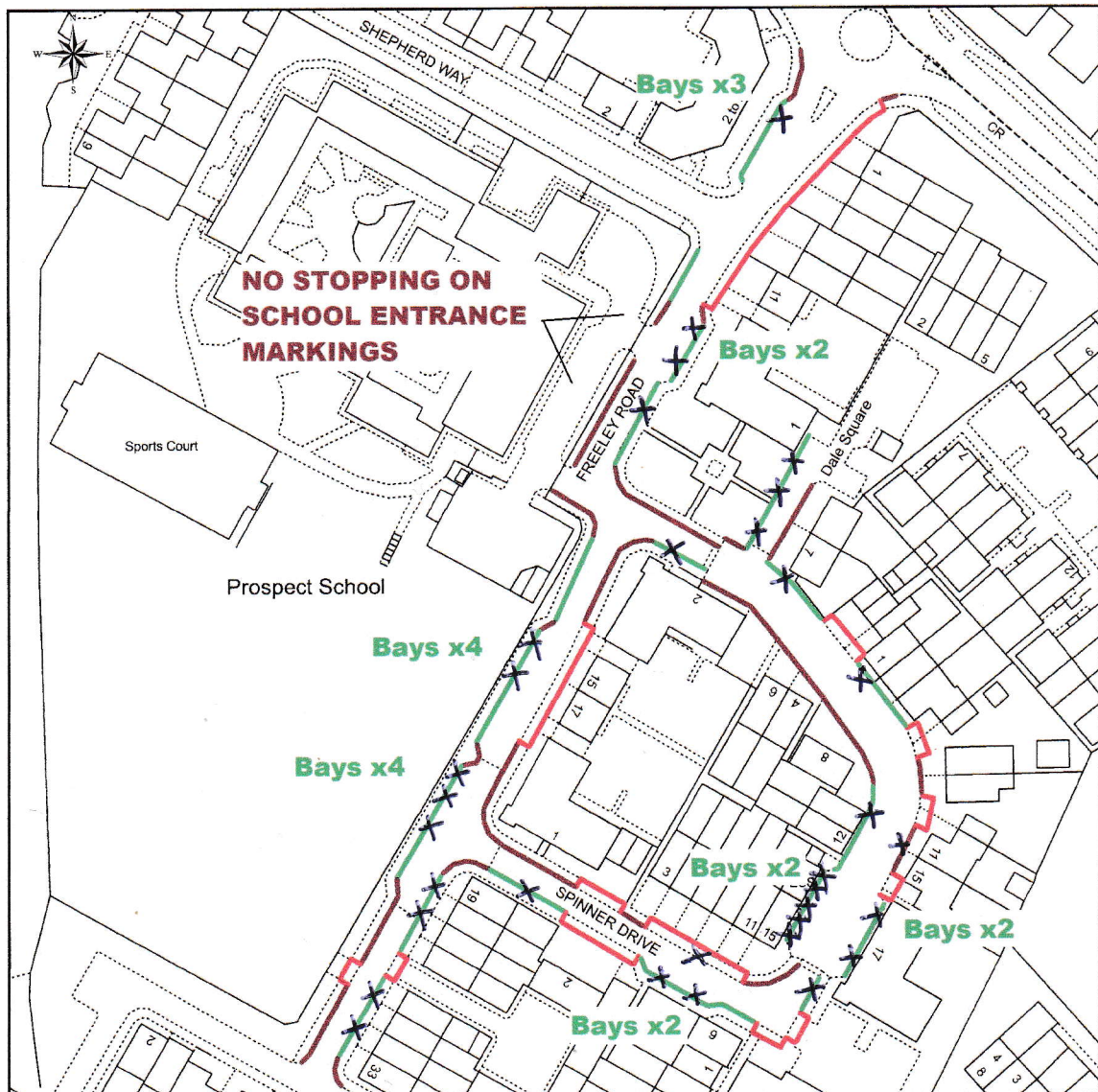
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ALL MEASUREMENTS IN METRES

## **PARKED VEHICLE LOCATION**

**WEDNESDAY 28/09/2022 - 05:15**



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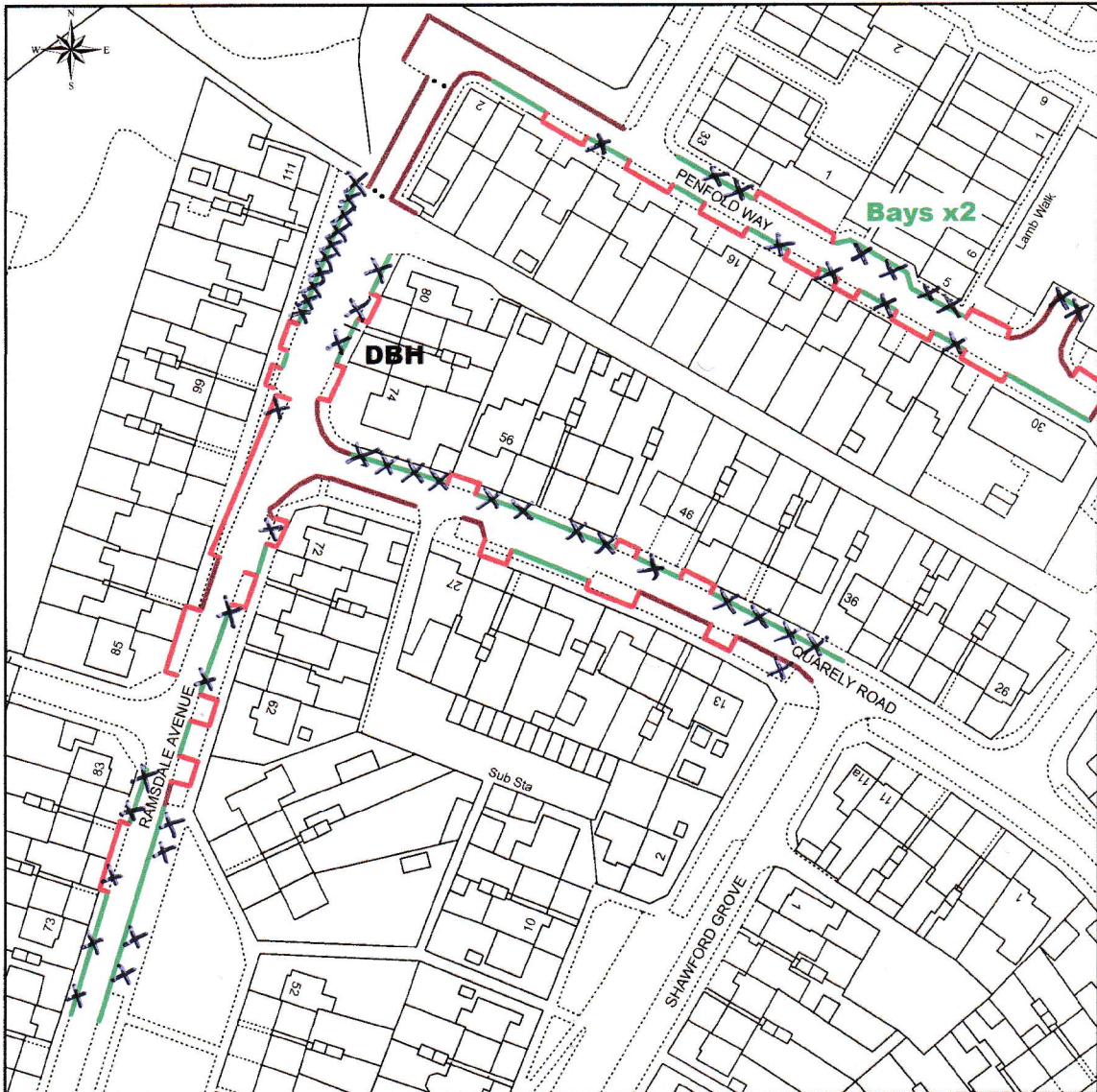
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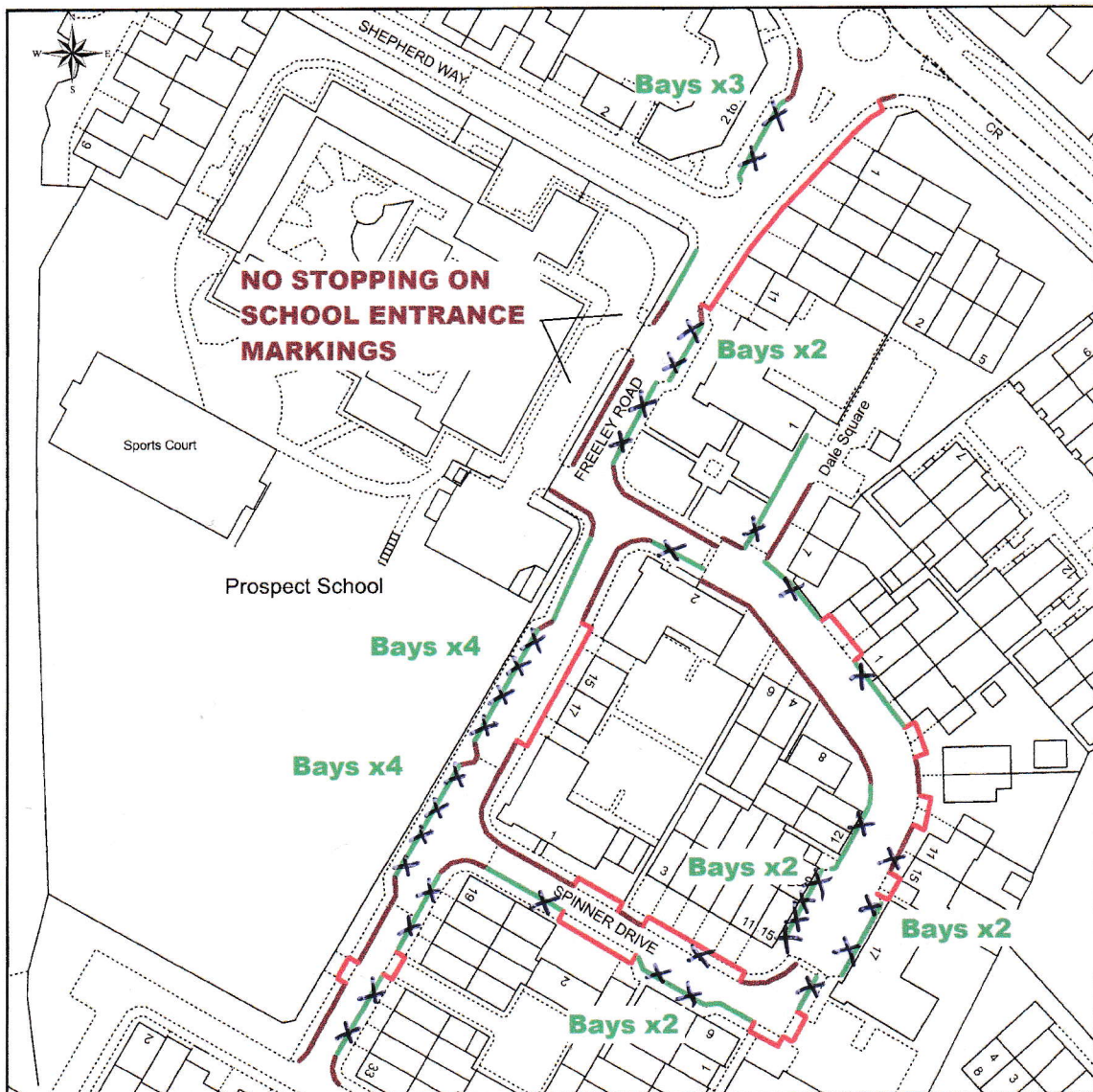
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**THURSDAY 29/09/2022 - 05:10**



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