

SUBMISSION TO WEST SUSSEX COUNTY COUNCIL FOR DEPARTURES FROM STANDARD

Project Name	Land West of Fontwell Avenue, Fontwell
Applicant Organisation	Paul Basham Associates
Applicant Ref	N/A
Highway Authority Ref	BN/50/20/PL
Applicant Contact Details	Shaan Novitzki shaan@paulbashamassociates.com 01329711000
Date Submitted	July 2020

1) PROJECT DETAILS

A	Description	The application proposes the demolition of existing structures onsite & erection of 42 No. dwellings with access onto Fontwell Avenue.
B	Location	Fontwell Avenue, Fontwell PO20 3RX
C	Road Category	TA 79/99 UAP1
D	Road Type	S2
E	Design Speed	70B kph (determined by TA 22/81 85%ile wet weather speeds)
F	Speed Limit	40mph
G	Traffic Flows	5,055 northbound and 5,728 southbound
H	NMU Flows	N/A

2) DEPARTURE DETAILS

A	Discipline	Road Geometry
	Type	Taper Length
B	Relevant Standard(s)	DMRB CD 123
	Clause	6.1.1
C	Difference Between Standard(s) and proposed design	The standards state that a taper length of 1:20 should be provided and the proposed junction would provide a taper length of 1:11.
D	Reason for Departure (overview)	The access is located in between two existing junctions, Wandley's Lane to the south and Level Mere Lane to the North. If a taper length of 1:20 is provided this would extend across the two existing junctions. The tapers have therefore been shortened to stop at the existing junctions to the north and south of the access.
E	Associated Project Departures	A departure has also been submitted for the right/left stagger distance, however the remaining design accords with the standards set out in CD 109 and CD 123.
F	Other Options Considered	Providing a taper length of 1:20 (in accordance with standards) would continue across the existing junctions to the north and south, creating a confusing arrangement, particularly for right turn manoeuvres at these two junctions.

3) JUSTIFICATION (POTENTIAL POSITIVE AND NEGATIVE IMPACTS)

A	Safety	The access design has been subject to a Stage 1 Road Safety Audit, in which no concerns were raised by the Auditor regarding the taper lengths. The proposed layout ensures that a clear arrangement is provided that would not affect the safety conditions on Fontwell Avenue. Providing a taper length of 1:20 would extend hatching across the two existing junctions creating a confusing road layout for drivers which in turn could affect the safety conditions at this junction. Extending hatching across the two junctions could also create confusion around right turn manoeuvres for vehicles travelling along Fontwell Avenue and could again create a safety issue.
B	Congestion/ Delay	N/A
C	Environmental / sustainability	N/A
D	Capital and whole life cost/value	N/A
E	Accessibility	N/A
F	Integration	The proposed design ensures that the access integrates with the existing road layout.
G	Structural	N/A
H	Network resilience & Maintenance	N/A

4) COMPENSATORY MEASURES

A	Included Measures	The taper has been extended to each existing junction.
B	Rejected Options	Providing the taper to 1:20 would extend across the two existing junctions which would create a confusing road layout for motorists and potentially affect the operation/safety of these junctions.

5) DESIGN ORGANISATIONS CONCLUDING REMARKS

The proposed arrangement ensures that a clear road layout is provided that does not impact on the operation of the two existing junctions.

6) ATTACHMENTS AND OTHER INFORMATION

A	List of Attachments	020.0360.001 020.0360.012 Road Safety Audit Report
B	Consultations	N/A
C	Other Information	N/a

7) DECISION – (HIGHWAY AUTHORITY USE ONLY)

NAME 1			
ROLE			
SIGNED		DATE	

NAME 2							
ROLE							
SIGNED				DATE			
MARK ONE BOX:	1- APPROVED	☐	2-APPROVED WITH COMMENTS	☐	3- REJECTED	☐	
COMMENTS							