

Our Ref: S188010
Your Ref: FG/39/18/PL and FG/171/18/DOC
19th March 2019

Planning General Enquiries
Arun District Council
Arun Civic Centre
Maltravers Road
Littlehampton
West Sussex
PO21 1LD

Attn: A Gardner

Site Address: Worthing Peugeot, Littlehampton Road BN12 6PB

Development: *Demolition of existing property & outbuildings; erection of new Motor Dealership with Showroom, Offices & Motor Vehicle Workshop (including MOT) & new Head Office Facility adjoining the existing Peugeot building on site including associated hard & soft landscaping & associated supporting facilities.*

Dear Mrs A Gardner

Further to the condition 3 imposed to the planning approval, please refer below to our response to the comments raised:

"No winter groundwater monitoring data has been supplied"

Ground water winter monitoring has been carried out during December, January, February and March at different locations across the site. The measures obtained for January and February are as indicated below:

	December		January		February		March	
	Standing Water Level (mbgl)	AOD Levels	Standing Water Level (mbgl)	AOD Levels	Standing Water Level (mbgl)	AOD Levels	Standing Water Level (mbgl)	AOD Levels
WS102	2.26	47.69	2.16	47.79	2.14	47.81	--	--
WS103	2.44	47.53	2.2	47.77	2.16	47.81	1.55	48.42
WS104	2.41	47.52	2.17	47.76	2.05	47.88	1.61	48.32

Due to the site levels and high ground water table, it is not feasible to install an underground infiltration device therefore a new cellular attenuation tank with capacity of 71.35m³ will be installed under parking areas to attenuate and store runoff volume from new roof and hard paving located to the north of the building.

As infiltration is feasible at high level, the new proposed car park will be drained via permeable paving and infiltrate into the ground.

Ground water monitoring results are contained in Drainage Strategy, Rev, P05, Appendix A.

"It is also not evident when the infiltration testing was completed. This must be completed in the winter"

Infiltration tests were have been carried out in July and January, the lowest rate was obtained in July and it has been used to design the new permeable car park.

Infiltration tests results are contained in Drainage Strategy, Rev, P05, Appendix A.

"The surface water design is inadequate with the 1 in 100 year plus climate change event not stored below ground. The drainage must have capacity in the system to contain below ground level the 1 in 100 year event plus 40% on stored volumes".

No flood occurs during 1 in 100 year event plus 40% climate change critical storm. Microdrainage calculations are contained in Drainage Strategy, Rev, P05, Appendix D.

"Exceedance flow rates need to be demonstrated"

Exceedance flow paths drawing has been included in the drainage strategy document, please refer to Drainage Strategy, Rev, P05, Appendix C.

"Construction detail drawings supplied"

Drainage construction details have been included in the drainage strategy document, please refer to Drainage Strategy, Rev, P05, Appendix C.

Should you have any queries concerning the above, please do not hesitate to contact me.

Yours faithfully

Noelia Jara
For and on behalf of AKS Ward Ltd