jb architects

Flood Risk Assessment

Proposed single/storey rear extension at 116 West Street, Havant, PO9 1LW

The Environment Agency flood map indicates that the site lies within flood zone 3, but this is towards the bottom of the site *(the site entrance driveway along the south),* which sits approximately 1.5m below the ground floor level of the property to which the extension is to be installed.

Extent of flooding from rivers or Sea:
The map above shows the site in dark blue *(flood zone 3),* which means it is highly likely to flood.

Please refer to the link below:

Therefore, based on the Environment Agency recommendations for householder and other minor extensions, the following provisions have been put in place:

In accordance with EA guidelines, the following Floodproofing measures have also been considered:

Power sockets and other electrical services will be set at a minimum of 500mm above finished floor level.

Door apertures will be designed to accommodate the future installation of a kite-marked floor protection barrier.

If air bricks are used in the DPC construction below, the applicant will purchase proprietary air brick covers.

In addition to the above, the applicants are proposing to replace all *(timber)* boundary fencing with new brick walls. Whilst creating a barrier, this will help disperse water away from the dwelling.

It will also be the applicant's intention to store sandbags and use them to build a dam, help block the water, and direct it to an exit path.

Finally, the applicant will ensure all gutters are clean and in good condition.

Flood Warning Excavation Plan:

Please refer to the recommendations below, which outline what to do before, during, and after flooding.

Before a Flood
•Build an emergency kit and make a family communication plan.
•Aviod building in a flood plain unless you elevate and reinforce your home.
•Elevate the furnace, water heater and electric panel if you live in an area that has a high flood risk.
•Consider installing "check valves".
•If feasible build barriers to stop floodwater entering your home.
•Seal walls in basements with waterproofing compounds.
During a Flood
If a flood is likely in your area:
•Listen to radio or TV for information.
•Be aware of flash floods. If such occurs move to higher ground immediately.
•Be aware of stream, drainage channels, canyons and other areas known to flood suddenly.
If you must prepare to evacuate:
•Secure your home. If possible bring any essentials inside and elevate them.
•Turn off utilities. Disconnect electrical appliances, DO NOT touch electrical equipment if you are wet or in contact with water.
If you have to leave your home:
•DO NOT walk through moving water. If you have to move make sure the water is not moving. Use a stick to check the surface in front of you.
•DO NOT drive into flooded areas. If water rises around your car abandon the car and move to a safe place.
•DO NOT camp or park your vehicle along streams, rivers etc.

After a Flood
If your home has been flooded:
•Use local alerts and warning systems to get information and expert advice.
•Avoid moving water.
•Stay away from damaged areas unless your assistance has been requested by the police firefighters, etc.
•Help emergency workers by staying out of the way.
•Play it safe.
•Return home only through authorized permission.
•If you come upon a barricade or a closed road go another way.
•If you must walk or drive stay on firm ground, stay away from moving water. Standing water may be electrified.
•Roads may have weakened and may collapse under the weight of a car.
•Stay away from any flooded buildings.
•Be extremely cautious if entering a building. Secondary damage may occur.
Staying Healthy:
•Avoid floodwater; water may be contaminated by oil, gasoline or electrified.
•Listen for news if the water supply is safe to drink.
•Clean and sanitize everything that got wet.
•Rest often and eat well.
•Discuss your concerns with others and seek help.
Cleaning up and repairing:
•Turn off the electricity at the main breaker.
•Contact your insurance agent to discuss claims.
•Listen to the radio for information or assistance.
•If you hire a cleanup team make sure they are qualified to do the job.
•Stay clear of people driving around offering cleanup or repair services.