



**University of Maryland College Park - The Brendan Iribe
Center Waiver Review**

Application of Coast Smart Waiver and Review Process

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to Coast Smart Council

MD Dept. of Natural Resources



Overview of Project

- The project consists of the construction of a new computer science building on lot XX at the intersection of Campus Drive and U.S. Rte. 1; adjacent to Paint Branch.
- It is anticipated that the building will be adjacent to (but outside) the 100-year floodplain and inside the 500-year floodplain.
- The building is expected to have a First Floor Elevation (FFE) of 74.0' and include a basement.
- The basement will contain chiller pumps for the building mechanical system and will not include any of the building electrical systems.



Floodplain Analysis

- There are three (3) floodplain models currently in circulation for this area:
 - FEMA (Effective June 1987)
 - DFIRM (FEMA Preliminary Model – scheduled to be effective in April 2016)
 - PG County (Local Regulatory Requirement)

Flood Plain Model	100-Year Elevation (feet, NGVD29)	500-Year Elevation (feet, NGVD29)
FEMA	63	67
DFIRM	65	69
PG County	67.8	71.8



Requirements

- Finished Floor should be at least 2 feet above the 100-year flood elevation as required by the 2012 Executive Order.
- If basement, the burden will on UMD and the design team to demonstrate that the building can accommodate a 100-year flood and that the critical building operations will not be impacted.
 - Locating critical building systems above the basement level
 - Waterproofing of building and structural design to withstand hydrostatic pressure
 - Automatic shut-offs for any electrical service below the 500-year flood elevation
 - Pumps in basement with discharge at elevations at least 2' above the 100-year elevation.



Regulatory Process

- The project will include work in the 100-year floodplain will require a 404 permit from MDE.
- The State has an Executive Order that is intended to eliminate critical facilities from the 500-year floodplain.
- Enforcement of the new Executive Order is being phased in and is subject to the review of a committee being tasked with enforcing “Coast Smart” policies.
- MDE recommends the UMD work with DNR to ensure that the project is consistent with pending policies and will not be subject to additional regulatory review.



Conclusion

- Project did not need a waiver since the project is not in a coastal flood area.
- The project would need to comply with MDE permitting process.
- Project highlighted "Potential Opportunity" to expand the scope of the *Coast Smart Construction* criteria beyond tidal flooding.



Questions?

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Thanks for your attention and service to the Council!