

Procedure for "No-Rise" Certification	DRAFT Rev. 1a
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To be completed by community permit official: Floodplain Development Permit No. _____

ENGINEERING "NO-RISE" CERTIFICATION

Community: <u>City of Richmond</u>	County: <u>City of Richmond</u>	State: <u>VA</u>
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Applicant: <u>City of Richmond</u>	Date: <u>06/11/2025</u>	Engineer: <u>TY Lin</u>
Address: <u>1801 COMMERCE ROAD,</u>		Address: <u>9020 Stony Point Parkway, Suite 275</u>
<u>RICHMOND, VIRGINIA 23224</u>		<u>Richmond, VA 23235</u>
Telephone: <u>(804) 646-1920</u>		Telephone: <u>800.837.9779</u>

SITE DATA:

1. Location: _____ 1/4; _____ 1/4; Section _____; Range _____; Township: _____

Street Address: 501 S 14th St, Richmond, VA 23219

2. Panel(s) No. of NFIP map(s) affected: 5101290043E

3. Type of development: Filling Yes Grading Yes Excavation Yes Minor Improv _____
 Substantial-Improv Yes New Construction Yes Other _____

4. Description of Development: _____

LAND DISTURBING ACTIVITY INVOLVES THE REMOVAL OF MOST EXISTING BUILDINGS (501 AND 503 S. 14TH STREET TO BE REMOVED, 510 S. 14TH STREET WILL REMAIN), ASPHALT/CONCRETE PAVING, UTILITY LINES, CURBS, STAIRS, FENCES, AND TREES/VEGETATION IN ORDER TO PREPARE FOR INSTALLATION OF NATURE-ORIENTED PUBLIC PARK. DEMOLITION WILL TAKE PLACE OVER AN AREA OF APPROXIMATELY 12 ACRES. EXISTING TOPOGRAPHY INCLUDES PRIMARILY ASPHALT-PAVED LAND, INTERSPERSED WITH ISLANDS OF VEGETATION. THREE BUILDINGS OCCUPY THE SITE. TO THE NORTH AND SOUTH OF THE ISLAND IS THE JAMES RIVER. THE EAST AND WEST ENDS OF THE ISLAND CONTAIN VEGETATED LAND. THE SITE FALLS ENTIRELY WITHIN THE CHESAPEAKE BAY PRESERVATION AREA AND IS IN BOTH THE RESOURCE MANAGEMENT AREA (RMA) AND RESOURCE PROTECTION AREA (RPA). THE ENTIRE SITE FALLS UNDER FLOODZONE AE AND IS IN THE FLOODWAY.

5. Name of flooding source: James River

COMMENTS: _____

A no-rise analysis was performed using an existing FEMA model. The analysis was performed to ensure that a no-rise condition is achieved for the demolition phase and as well as the natural area park development for Mayo Island. A Technical Memorandum for HEC-RAS Models on how this project will be no-rise project provides details of the model inputs and results.

This is to certify that I am a duly qualified engineer licensed to practice in the State of Commonwealth of Virginia. It is to further certify that the attached technical data supports the fact that the proposed development described above will not create any increase to the 100-year elevations on said flooding source above at published cross sections in the Flood Insurance Study for the above community dated 07/16/2014 and will not create any increase to the 100-year flood elevations at unpublished cross-section in the vicinity of the proposed development.

Name: Stephen Crowe

Signature: *Stephen Crowe* Date: 07/17/2025

Title: Senior Project Manager License No.: 39778

R7-No Rise

Attachment B

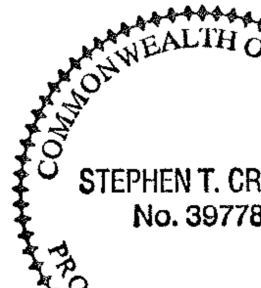


Figure 11. Example of a No-Rise Certificate