



City of Delray Beach

Department of Environmental Services

M E M O R A N D U M

TO: Missie Barletto, Assistant Public Works Director

FROM: Clinton Williams, P.E., Engineer III

DATE: December 3, 2019

SUBJECT: 324 Lofts Drainage

Dear Missie,

The subject project located at 324 NE 3rd Ave has a design Finish Floor Elevation of 16.33' NGVD. The engineering calculations provided to us by Envirodesign Associates Inc. for this project calculate a 100 year 3 day elevation of 16.00', meaning that a 3 day storm with 18 inches of rain should only reach a maximum elevation of 16.00' if the drainage in the area does not function. The current elevations of the existing crown of road are at 16.20', which will eventually be lowered with the roadway improvement project, and storm drainage will be added directly in front of the property. The property has on-site exfiltration drainage with enough storage to maintain the stormwater for their site.

The proposed water main construction and repair project based on the existing elevations of the roadway and storm drainage will not affect the 324 Lofts project, nor will it cause flooding, as long as the roadway is repaired to the existing grades and drainage pattern. The 324 Lofts project was designed to maintain the same sidewalk elevations and the current edge of roadway will be the top of curb elevations in the streetscape improvements.

Clinton Williams, P.E.