

Attachment No. 1

From: Justin Gregory <JGregory@jonesedmunds.com>

Sent: Tuesday, May 19, 2020 3:26 PM

To: Dinneen, Sean <SDinneen@sunrisefl.gov>

Cc: Shalan, Samira <SShalan@sunrisefl.gov>

Subject: Sunrise Basin 5 - Stormwater Pump

Sean,

As the engineers working on the City's new stormwater master plan we have developed a city-wide stormwater model that includes Basin 5, mapped flood risk within Basin 5 under various storm scenarios, and evaluated the current flood protection level of service within Basin 5. Based on these analyses it is clear that Pump Station 5 is a critical component of the Basin 5 stormwater system. It is our opinion that a failure of Pump Station 5 during the 10-year, 25-year, or 100-year storm would increase the depth and extent of flooding within Basin 5. This increase in flooding would, at a minimum, impact Sunrise Lake Blvd , NW 94th Way, NW 26th Place, and NW 26th Street. Increased flooding on North Pine Island Road may also occur if Pump Station 5 were to fail.

Please let us know if you have any questions or would like us to provide a more detailed evaluation of the impacts of a failure of Pump Station 5 on the public roads and homes within Basin 5.

Sincerely
Justin

Justin H. Gregory, PE

Senior Manager / Vice President



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