

## Burke, David

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**From:** Anthony Oliveri <anthony@drepc.com>  
**Sent:** Tuesday, February 15, 2022 3:28 PM  
**To:** Burke, David; Williams, Bill; McCann, Mary Ann  
**Cc:** Antonio Leo; Gary R. Gjertsen (gg@cgwesq.com)  
**Subject:** RE: Iona Athletic Field Renovations

I have reviewed Joe's comments and agree that clarifications can be made to the calculations as suggested.

Please understand that the design is basically identical to the design that was arrived at and approved after extensive review by this office in 2018. I believe we went through about 3 iterations of refinements to the design at that time, working closely with their engineer and also reviewing the Crawford Street Drainage Study supplied by the Town of Eastchester. Our conclusion was that although flow rate reductions from this project would of course have some benefit to downstream areas, the benefit would likely be quite small based on the overall drainage area.

We found that the 2018 design was appropriately conservative in their approach, ultimately reducing the infiltration allowance in the design to add a factor of safety in the calculations. This current design goes a bit further in eliminating the infiltration reductions in their calculations and therefore being more conservative in demonstrating a reduction to stormwater peak runoff rates. If infiltration is considered, predicted volume increases would be much less. (However since infiltration is not considered, volumes are shown to increase however at reduced rates of discharge).

I'd be happy to discuss further if needed,

thanks

*Anthony Oliveri, PE*  
*Vice President*



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**From:** Burke, David <DBurke@tuckahoe-ny.com>  
**Sent:** Tuesday, February 15, 2022 10:58 AM  
**To:** Williams, Bill <BWilliams@tuckahoe-ny.com>; McCann, Mary Ann <MMcCann@tuckahoe-ny.com>  
**Cc:** Antonio Leo <antonio@aleoarchitects.com>; Gary R. Gjertsen (gg@cgwesq.com) <gg@cgwesq.com>; Anthony Oliveri