

## Conservation Commission Requests for Information #7



Re: Arlington High School Expansion

SCI File #17211.00

RE: Conservation Requests June 25, 2020 Item #7 Onsite Water Capture System

We reviewed the possibility of adding an on-site water capture system to store stormwater for use in landscaping irrigation. We agree with the Commission that this would be a good element for the project, as we always look to add this sort of LID element to our designs. However, there are a number of issues with this strategy for this site, and it was originally part of the project before being determined to be cost prohibitive by the project team due to the cost implications of installation on this site versus value added.

As the Commission knows, this site is located in a highly contaminated soil area. There are very limited areas where installing an underground tank or the lines feeding it and irrigation would not impact the soil contamination and require costly remediation of excavated soils. Those areas would require significant pipe runs to the cistern, and from the cistern to any irrigated areas. The tank would also be buried extremely deeply (approx. 15 feet down) if located outside the contamination area. This cistern was determined to be extremely cost prohibitive early in the MSBA design process.

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