

## Medway Commons – Stormwater Summary Memo

**TO:** Karen Johnson, Charter Realty & Development Corp.  
**FROM:** John Lorden, PE, Tighe & Bond  
**DATE:** March 19, 2022

Tighe & Bond is submitting this memorandum to summarize the proposed stormwater management impacts to the Medway Commons project located in Medway, Massachusetts. The project includes BrightPath Child Care Center occupying space in an existing shopping center.

Site related impacts include the removal of 33 parking spaces to accommodate an outdoor play space on a combination of artificial turf and wood chips. A series of perforated underdrains will collect the stormwater from the outdoor play space and direct the stormwater to the existing closed stormwater system.

As part of the project the only change to the existing closed drainage system is to route the proposed underdrains below the outdoor play area to an existing catchbasin that will be converted to a drain manhole under the proposed wood chips. No new stormwater connections or outfall discharges are proposed.

The post-development peak discharge rates will not be greater than the pre-development peak discharge rates. The stormwater through the outdoor play area will take much longer to route through the surface material, into the underdrains, and into the closed drainage system in comparison to direct runoff from the pavement entering the same closed drainage system.

The proposed project will not have any negative impact on the existing stormwater drainage system.

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