Memorandum

TO: Joint Stormwater Coordinating Committee Members
FROM: Annie Costandi, P.E., Town Director of Stormwater Operations/Staff Engineer
         Chelsea Mandigo, Village Stormwater Coordinator/Wastewater Operator
DATE: April 22, 2021
SUBJECT: Update on Implementation of the Flow Restoration Plans

Indian Brook and Sunderland Brook are currently on the State of Vermont's impaired waters EPA 303(d) list, determined to be primarily a result of stormwater runoff. In an effort to restore both Brooks and lift their impairment designation, a flow-based Total Maximum Daily Load (TMDL) was developed for Indian Brook and Sunderland Brook. These TMDL's use flow as a surrogate for pollutant loading and outline required reductions in stormwater high flows and increase in baseflow. These flow targets are the basis for the FRPs.

The Sunderland Brook for FRP showed that the high flow target had been exceeded by 214% with projects already implemented and that no additional projects were needed. The Indian Brook FRP showed that four projects were needed to meet the high flow target. Both communities successfully secured grant funding for all four projects. Below is an update on the implementation.

Location	Project Description	Year Completed	Project Cost
Main St/Fairview Dr. (Village)	Installation of gravel wetland with pretreatment bay and outfall stabilization	2019	$247,006 (received $123,533 in grants, doesn't include match)
Sydney Dr. (Town)	Retrofit of a detention pond into underground storage and infiltration chambers	2020	$475,972.65 (received $309,639 in grants, doesn't include match)
Mansfield Ave/Brickyard Rd (Village)	Retrofit of a natural detention area into a gravel wetland	2020	$308,930 ($207,885 in grants, doesn't include match)
LDS Church (Town)	Retrofit of two stormwater ponds into a storage chamber and a sand filter. Currently in the Right of Way design phase with the State.	Will be constructed in 2022	$1,788,927 (received 1,076,948 in grants, doesn't include match) We will seek additional funding prior to construction.