

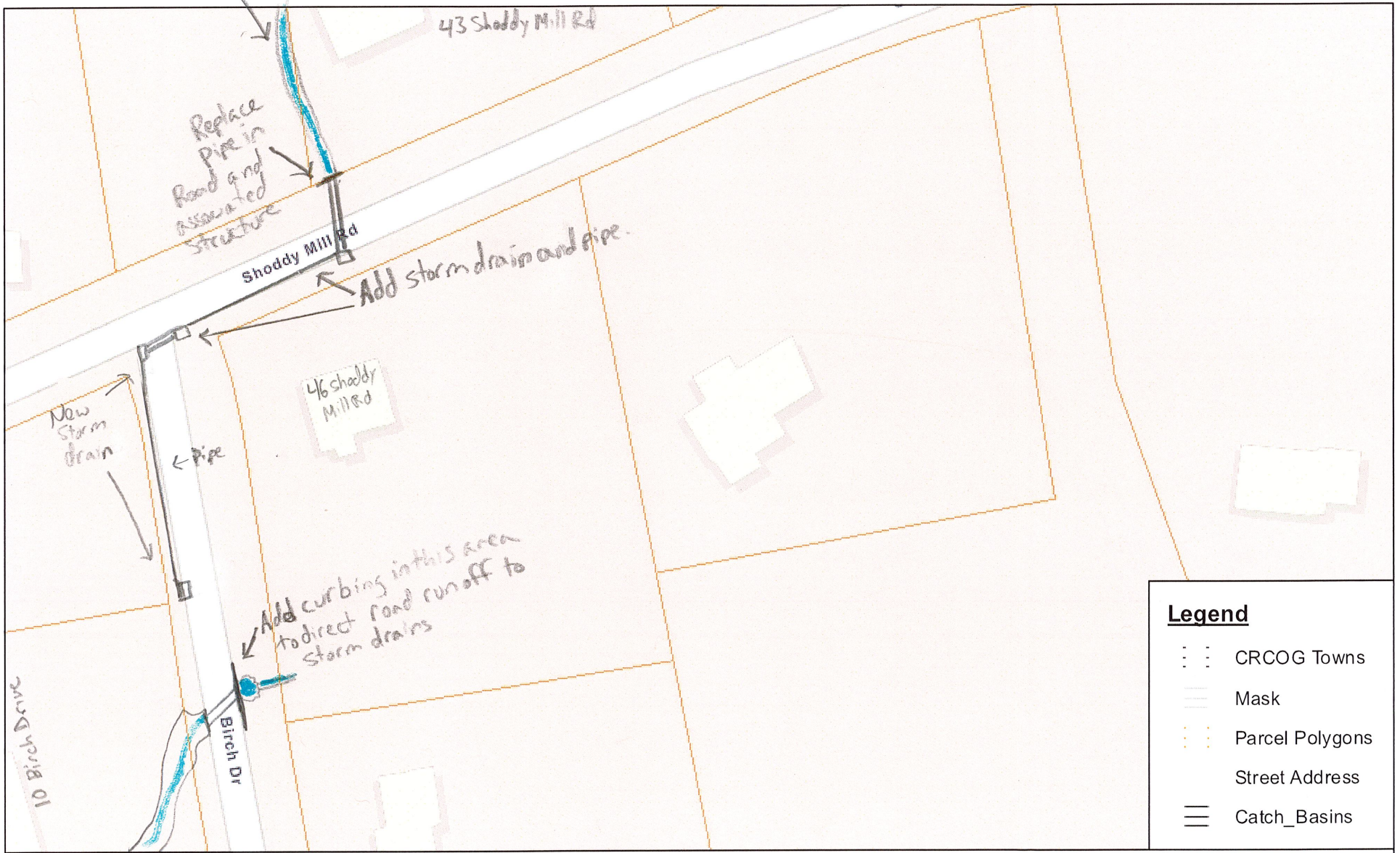
## Project Description #2- Birch Drive and Shoddy Mill Road Drainage Repair

Submitted by Wetlands Agent on 04-25-2022

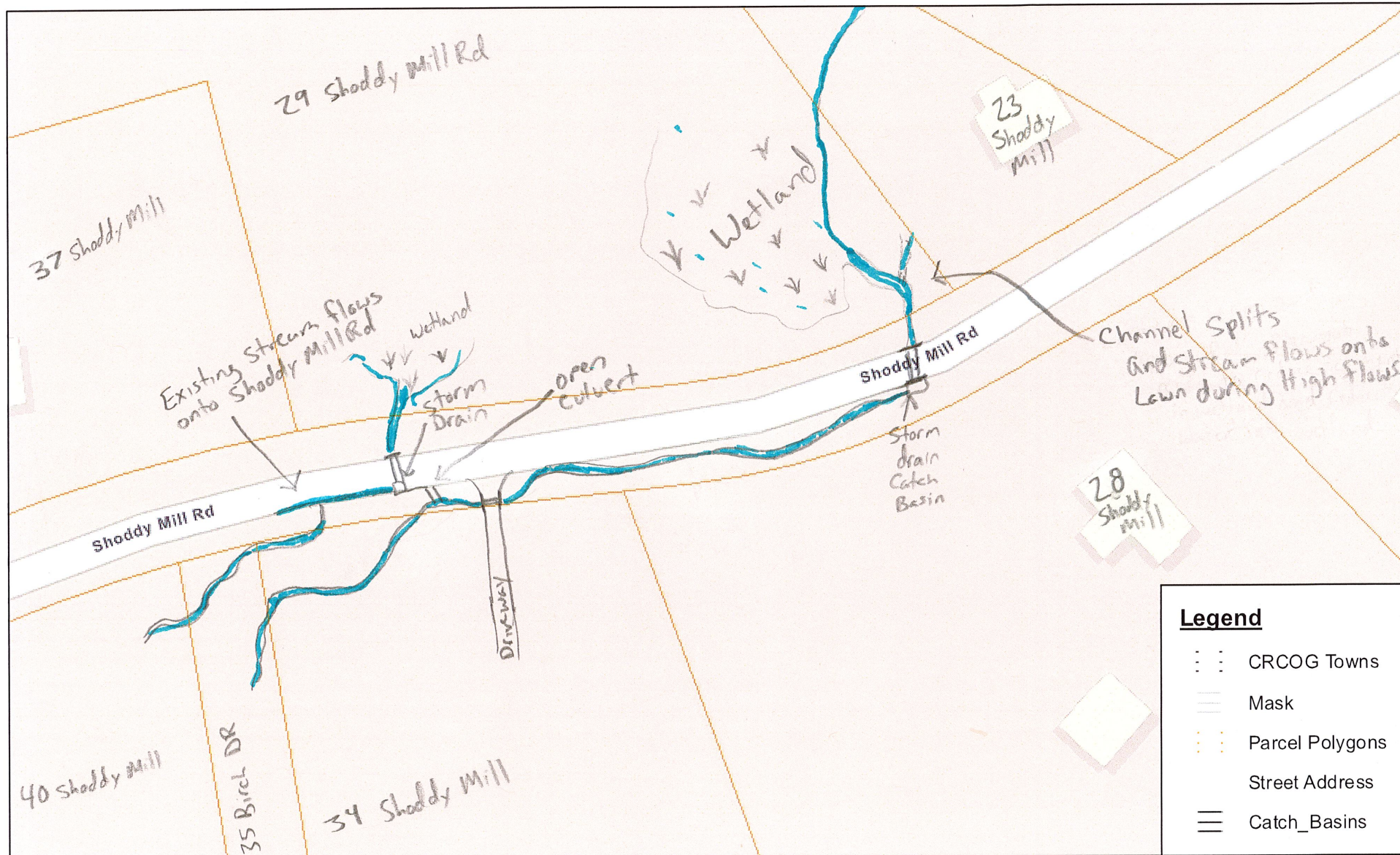
This project will be completed by Andover Public Works to correct a failing drainage system and to redirect a watercourse that now flows onto Shoddy Mill Rd. Most of the activity will take place on a town road or town right-of-way. Work will involve the use of a backhoe and loader with material hoist.

1. Two new storm drain catch basins will be installed at the western side of Birch Drive near where it intersects with Shoddy Mill Rd (**see Sheet 1**). A pipe will connect the two basins, and the downhill basin at the intersection of Birch and Shoddy Mill will be connected to a basin at the eastern (downhill) side of the Birch and Shoddy Mill intersection. A pipe will then be added to that basin, running east along Shoddy Mill, which will connect to a new basin at the location of the current open basin on Shoddy Mill. From there, drainage will flow through a replacement pipe and outlet into the watercourse to the west of the house at 43 Shoddy Mill Rd. Curbing will also be installed at the eastern side of the culvert on Birch Drive, located across the street from 10 Birch Drive. This is intended to direct storm water runoff away from the watercourse that flows behind (to the south) of the 46 Shoddy Mill Rd house, and redirect it into the catch basins at the intersection of Birch and Shoddy Mill.
2. A watercourse currently drains onto Shoddy Mill Rd in front (to the north of) the 34 Shoddy Mill Rd. Property (**see Sheet 2 and 3**). The watercourse then flows east along the roadside where it flows into a catch basin and passes through a pipe under the road, exiting into a wetland system on the 29 Shoddy Mill Road property. A swale will be constructed and the watercourse will be redirected so that it flows east along Shoddy Mill and into a plunge pool which will be lined with rip-rap. This plunge pool will be connected to the other watercourse located to the south that passes under the driveway of 34 Shoddy Mill Rd. A pipe will also connect the plunge pool to the existing storm drain and pipe system flowing under Shoddy Mill Rd.
3. A catch basin located across the street (to the north) of 28 Shoddy Mill is currently connected to a pipe crossing under the road and exiting uphill (to the west) of the 23 Shoddy Mill Rd property (**see Sheet 2 and 3**). The watercourse flowing out of this pipe has a split channel, with one side flowing northwest into a wetland, and the other channel flowing into the yard of 23 Shoddy Mill. A cleanout pool will be constructed near the outlet of the pipe on the north side of the road. A swale will also be constructed to the east of the watercourse which will redirect the watercourse back into the wetland and eliminate the channel flowing into the lawn of 23 Shoddy Mill Rd.









## Legend

- CRCOG Towns
- Mask
- Parcel Polygons
- Street Address
- Catch\_Basins



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Existing Conditions

Scale

1:1,128

Created: 4/19/2022



