

Village of Croton-on-Hudson Hazard Mitigation Efforts



Completed Improvement Projects

Georgia Lane Retention Pond

- **Hazard:** Potential stormwater overflow from the retention pond on Georgia Lane, impacting Village roadways and residential properties near Park Trail.
- **Action Taken:** Pond was inspected. The berm was raised to hold the maximum amount of water during a storm, a “trash rack” was installed on top of the outlet structure to prevent debris from entering storm drainage system.
- **Result:** Since these improvements, the Village has experienced two large storms. The stormwater was successfully contained within the pond during both storms.

Georgia Lane Retention Pond



Jacoby Street Drainage System

- **Hazard:** Ponding area on Jacoby Street near intersection of Route 129, increasing flood risk and icing conditions during the winter months.
- **Action Taken:** Drainage system was inspected and found to be insufficient at preventing proper draining of storm runoff. The entire system was replaced with new infrastructure and rerouted to join upstream systems on Jacoby Street and Cleveland.
- **Result:** Since these improvements, ponding has not been observed in the area, and residents report previous concerns have been resolved.

Jacoby Street Drainage System



Albany Post Road Drainage Crossing

- **Hazard:** Runoff collecting on the roadway in the area of 1329 Albany Post Road during heavy rain, sometimes restricting traffic to one travel lane.
- **Action Taken:** Drainage system was inspected and found to be insufficient at directing water flow. The upstream culvert was excavated, a proper connection to the draining system was installed, and an additional catch basin was added.
- **Result:** Since these improvements, ponding has not been observed in the area, and residents report previous concerns have been resolved.

Albany Post Road Drainage Crossing



Harrison Street Drainage System

- **Hazard:** Drainage crossing near the west end of Harrison Street Park overflows during heavy rain, affecting the roadway and private properties in the area.
- **Action Taken:** The system was inspected. It was found that the roadway and curb elevations were directing overflow into neighboring properties. A plan was designed to redirect runoff back into the system and towards Harrison Street Park.
- **Result:** While the system still experiences overflow during heavy rainstorms, it now redirects water away from residential properties to prevent damage.

Harrison Street Drainage System



Installation of Curbs

- **Hazard:** Low/no curbs allow stormwater to flow onto residential properties.
- **Action Taken:** The Village has installed and elevated curbs in various locations.
- **Result:** Runoff is contained to the roadway and directed towards appropriate drainage systems instead of entering residential properties.

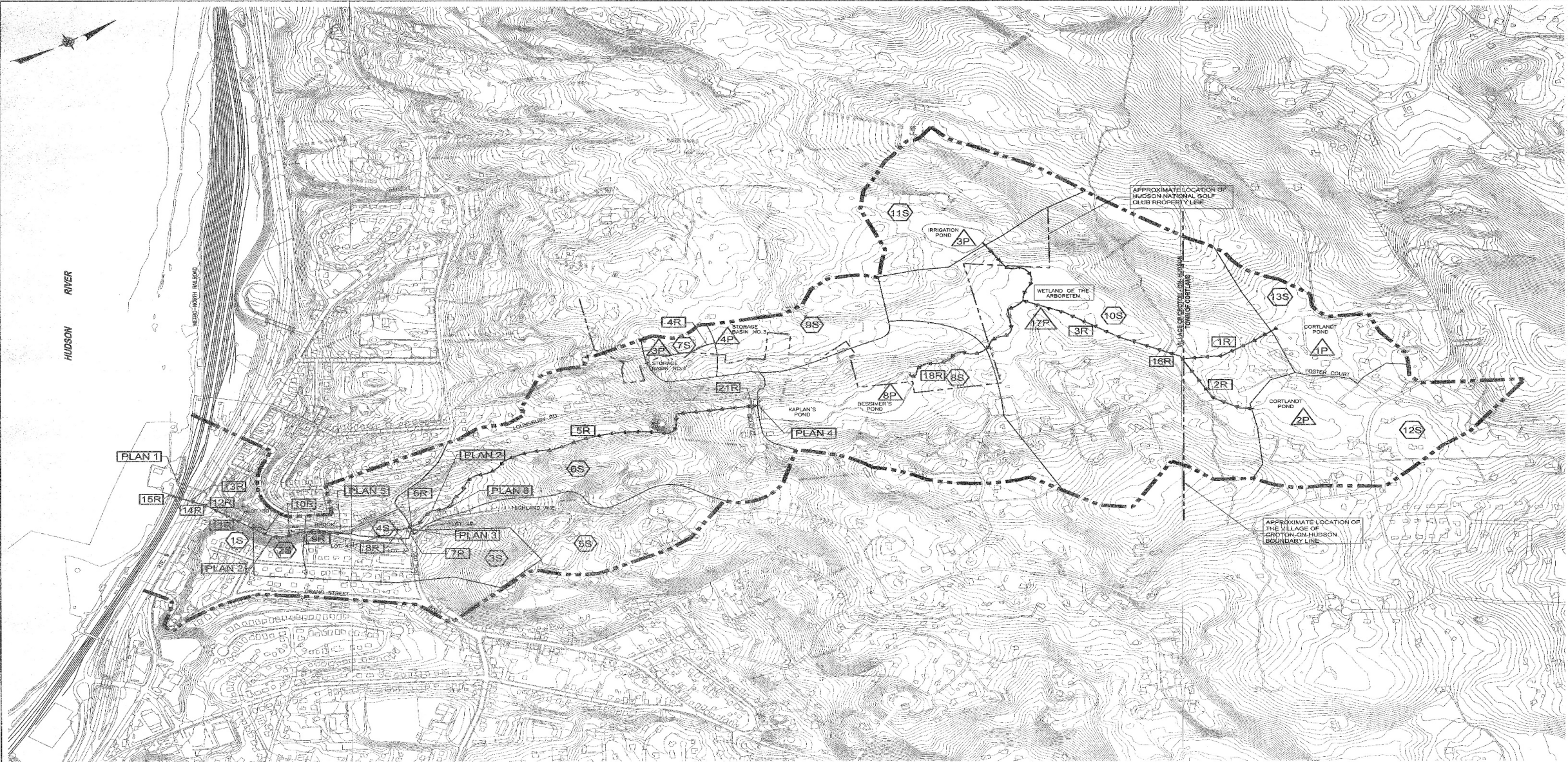
Driveway Aprons

- **Hazard:** Stormwater runoff entering driveways and garages during heavy rains.
- **Action Taken:** The Village has upgraded driveway aprons in Village right-of-ways to better manage water flow.
- **Result:** Driveway aprons prevent flooding and erosion by diverting rainwater away from the driveway, while still allowing water to seep into the ground below.

Ongoing Projects

Brook Street Drainage Basin

- The Village Board has authorized spending up to \$50,000 this year for an updated study of the Brook Street Drainage Basin.
- D&B Engineers, who conducted the original study of the Village's drainage basins in 2004, has been retained to complete this work.
- The study will look at any changes in the calculated flows in the drainage basin and make recommendations for the Village to review and implement.



LEGEND  SUB-CATCHMENT AREA  REACH AND ID No.		 STORMWATER MANAGEMENT PLAN  POND ID No.		LOT 5 = WESTCHESTER COUNTY TAX MAP 67.20 AND 78.08  DRAINAGE SYSTEM BOUNDARY  SUBCATCHMENT BOUNDARY  REACH	 VILLAGE/TOWN LINE  APPROXIMATE TAX MAP LOT BOUNDARY  EXISTING STORM DRAIN  EXISTING CATCH BASIN  EXISTING MANHOLE
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Van Wyck Street Stormwater Improvement Project

- The Department of Public Works is currently working on a stormwater improvement project on Van Wyck Street.
- The goal is to repair any deficiencies in the existing system and extend it to the dead-end portion of the street.
- This work will reduce nuisance flooding and ponding on the roadway which exists in heavy rainstorms.



A Village Department
of Public Works crew
on the corner of
Hamilton Avenue and
Van Wyck Street,
working on the
stormwater
improvement project.