



Town of Johnstown

TOWN COUNCIL AGENDA COMMUNICATIONS

AGENDA DATE:	January 17, 2024
SUBJECT:	An Update to the Country Acres Drainage Mitigation Study
ACTION PROPOSED:	No Action Required, Informational Only
ATTACHMENTS:	1. Country Acres Storm Drainage Study Update (Presentation)
PRESENTED BY:	Jason Elkins, Public Works Director Austin Fling, Benesch Designer

AGENDA ITEM DESCRIPTION:

Flooding that has occurred on Sandra Drive is due to multiple storm/hail events occurring in a short time frame, as well as an undersized storm sewer and an undersized pond outlet. To reduce the effects of future flooding, a more efficient pond outlet system and an upsized storm sewer system were modeled and evaluated.

Two storm sewer system options were identified for Sandra Drive. One option would consist of upsizing three of the four pipes that take water from the low point in Sandra Drive to the existing detention pond located in the backyard of the building at 1106 Sandra Drive. The second option would be the installation of two new inlets on the south side of the street: one to the west and one to the east of the existing inlets. After receiving input from the residents on Sandra Drive, the inlet on the west side of the existing inlet would be placed at what is believed to be another low point to the west of the existing inlets.

Three viable 5-year storm options for the pond outlet have also been identified to reduce the risk of flooding on Sandra Drive. All three options were modeled to include the Sandra Drive storm sewer improvements as well as overflow provisions that directs any overflow into Hillsborough Ditch. Depending on the option approved by the Hillsborough Ditch Company, the modification of the storm sewer system on Sandra Drive might only require the installation of two new storm inlets, eliminating the necessity to upsize the existing pipe and result in cost savings.

The Community That Cares

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- Option 1: Requires a new pond outlet consisting of a 48” outlet pipe directing water from the pond directly to Hillsborough Ditch.
- Option 2: Requires a new pond outlet consisting of a system of 48” pipes directing water to the existing Hillsborough Ditch outfall point.
- Option 3: Requires a new pond outlet consisting of a drop grate inlet and pipe system that siphons flow from the pond to a point just downstream of Hillsborough Ditch.

The improvements to the storm sewer system on Sandra Drive and the pond outlet system improvements are subject to approval by the Hillsborough Ditch Company, and staff has been and continues to work with the Company to come a reasonable solution that meets both parties’ needs.

LEGAL ADVICE:

Not Applicable

FINANCIAL ADVICE:

Not Applicable

RECOMMENDED ACTION: Staff is providing a general update of the project status to Council.

Reviewed and Approved for Presentation,



Town Manager