

# Manor Brook Stream Enhancement Meeting

- Bill Koons, Mayor
  - Eric Haibach, Engineer, CT Consultants
  - Kim Brewster, Deputy Director, Chagrin River Watershed Partners
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- Our goal is to have you in your cars by 8:00 p.m. with a smile and the knowledge that Manor Brook is going to work with the village to improve the lives of our fellow residents.

# Storm water flooding in South Russell Village

Monday, July 13, 2015

Over two inches of rain in 45 minutes in the afternoon

Wednesday, July 4, 2018

Over two inches of rain in less than one hour in the afternoon

Tuesday, September 25, 2018

Over one inch of rain during the early morning

# Chillicothe Road, September 25, 2018

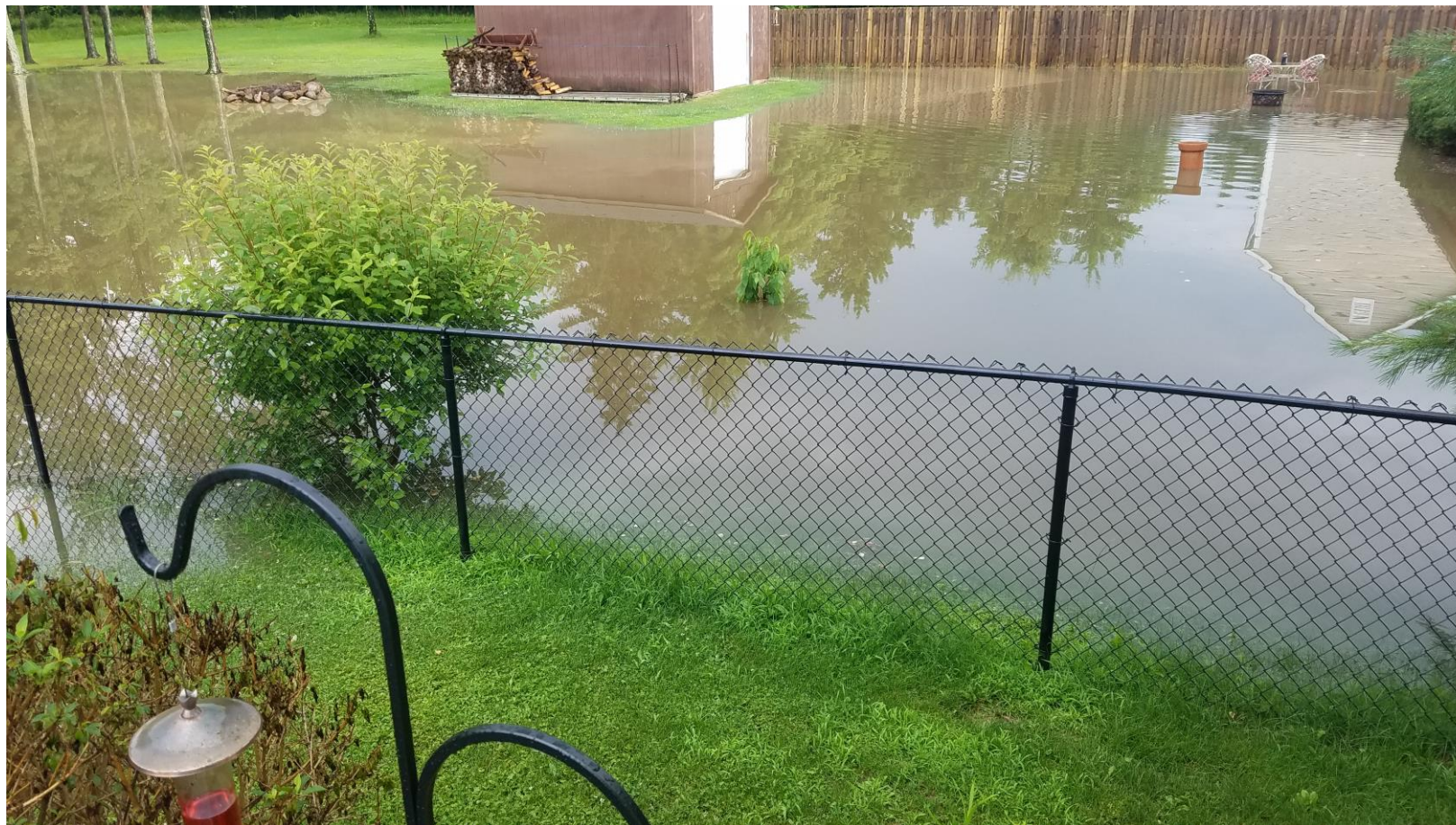


# Chillicothe Road home, September 25, 2018





# Home on the east side of Chillicothe Road





Ditch from Bel Meadow flowing west to MB





Ditch from Bel Meadow flowing west to MB



# Storm water culvert replacement plans

- For over fifty years, SRV has been bringing water from east of Chillicothe Road west, under the road, into the northwest corner of the Manor Brook Drive and Chillicothe Road intersection.
- SRV presently maintains a stream bed and gas line on MB common property at the corner of Manor Brook Drive and Chillicothe Road. This area is surrounded by landscaping, trees and plants.
- SRV must replace the 12” culvert with a 36” culvert to control the storm water that forms on the east side of Chillicothe.
- Manor Brook will be getting water faster with the 36” culvert.
- SRV must enhance the present stream to hold and slowly release the water that flows into Manor Brook/Chillicothe.



# Step 1, stream bed preparation



Step 2, stream bed lengthen to 1,400 feet





# Step 3, installation of rock channel



Step 4 Final product. Trees and plantings are not shown.





# SRV is seeking a 319 Grant from the Ohio EPA

- The grant will provide \$450,000 to reconfigure and lengthen the stream bed to 1,400 feet. It will also enhance the present stream bed with the installation of rock channels to slow water flowing through the stream.
- The new stream will catch, hold, and slowly release storm water south from Manor Brook, to Fox Run, to Sugar Bush, to Chelsea Court, to Southwyck, to McFarland Creek, to the Chagrin River, and finally to Lake Erie.
- 2019, grant awarded
- 2020, plans developed, contractor hired
- 2021, construction completed

# Manor Brook commitment(s)

- MB will be asked to support SRV's application for the 319 Grant.
- When the grant is awarded, probably late 2019, MB residents will be asked to give SRV an easement to enhance the stream bed. The easement will be jointly developed with MB HOA legal counsel.
- SRV will continue to maintain/mow the area around the stream bed.
- MB common property will be improved with trees and plantings to continue to shield the stream bed from view.
- MB will be helping fellow residents at NO cost to MB residents.