

City of Rockville Potential Stream and Stormwater Mitigation Projects

November 12, 2021

1) Existing City of Rockville Public SWM Facilities for Potential Retrofit

a. Rose Hill Falls Regional Dry Pond (Pond #2)

- Location: Along I-270 between Winding Rose Drive and Julius West Middle School. See below figure showing approximate pond location. This is a public SWM facility primarily on City open space property, with a small portion in SHA right-of-way, per agreement with SHA.



- City will accept a SWM facility retrofit that maximizes water quality, provided that the pond can safely convey the 10 and 100-year storm events.
- SWM facility retrofit will need to include dredging of accumulated sediment from dry pond area and provide any other maintenance/repairs as needed.
- SWM facility retrofit will need to include replacement of failing MDOT SHA storm drain outfall from I-270. Existing head cut exposes missing storm drain pipe in roadway embankment to within approximately 11 feet from I-270 shoulder paving.
- SWM Facility Retrofit will need to ensure roadway and related storm drain/SWM improvements cause no additional 10 or 100-year flooding (including backwater) on adjacent properties other than undeveloped City parkland.

b. County Detention Center Regional Wet Pond

- Location: County Detention Center off of Seven Locks Road. See below figure showing approximate pond location. The City has an easement for this pond, but it is located on Montgomery County property. The pond was built under a three-way agreement with Montgomery County, City of Rockville and SHA. Please note: the county has proposed changes in this area.



- City will accept a SWM facility retrofit that maximizes water quality, provided that the pond can safely convey the 10 and 100-year storm events.
- SWM Facility Retrofit will need to maintain or increase current level of water quality treatment for existing drainage area to pond (no loss of water quality credit to City under NPDES permit)
- SWM facility retrofit will need to include dredging of accumulated sediment from both pond cells and provide any other maintenance/repairs as needed.
- SWM facility retrofit will need to include replacement of failing MDOT SHA storm drain outfall into pond.
- SWM Facility Retrofit will need to ensure roadway and related storm drain/SWM improvements cause no additional 10 or 100-year flooding (including backwater) on developed portions of the Detention Center site or other private properties.

2) Potential Mitigation (Stream & Outfall Stabilization/Restoration)- Listed in order of recommended priority by City of Rockville

- a. Plymouth Woods Stream Valley Park (Private Owner)
 - i. Located south of Anderson Park and North of Nelson St. It already has a completed stream restoration design approved by SHA TMDL office.
- b. Rockmead Stream Valley Park (City Owned)
 - i. Located in Rockmead Stream Valley Park.

- ii. Existing stream erosion, exposed sanitary sewers, and several deteriorated 1970s-era dry ponds next to streams. Erosion threatens private back yards near Lochness Ct., Watts Branch Pkwy and Brookcrest Ct.
 - iii. Developer will need to negotiate project credit with the City.
- c. Fallsmead Stream Valley (Privately Owned)
 - i. Located between Rockmead Park and Wootton Parkway.
 - ii. Existing stream erosion concerns and deteriorated pedestrian bridge crossings.
- d. "Rockville Canyon" (Privately Owned)
 - i. Located between Rockville High School and The Forest Apartment complex off Baltimore Road.
 - ii. Existing severely eroded outfall channel on private property leading to Croyden Creek.
- e. Carter Hill HOA Stream Reach (Privately Owned)
 - i. Located between Glenora Park and City stream restoration project adjacent to Bouldercrest Court.
 - ii. Eroded Glenora Tributary stream channel next to pool deck.
- f. Norbeck Road Outfall Channel (Privately Owned)
 - i. Located between Norbeck Road (MD-28), just north of 1st street, and City's Glenview Mansion property.
 - ii. Eroded stream channel traverses multiple private properties at back property lines.
- g. Cabin John Creek (City Property)
 - i. Located from Wootton Parkway downstream to City Limits – stream erosion
- h. Assess all stream crossings of I-270 for fish passage issues.
 - i. Recommend and implement improvements.

Specific location limits for the above potential mitigation projects will need to be coordinated with the City of Rockville.