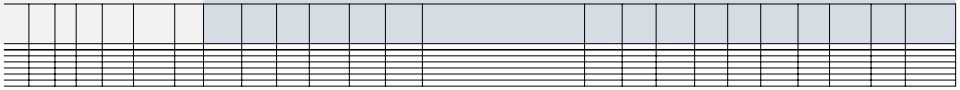
Loan Application Information

Project Title	Wheaton Branch Flood Mitigation	Pond T1	Pond NC-3
ID Number	24003	24032	24033
Loan Applicant (Borrower)	Montgomery County	Howard County	Howard County
Community Name(s)	Montgomery County	Howard County	Howard County
Community Identification Number (CID)	240040	240027	240027
County(ies)	Montgomery County	Howard County	Howard County
Census Tract(s)	7030002	6020	6020
Community Rating System Class Rating	N/A	6	6
Center for Disease Control Social Vulnerability Index Score(s) of Census Tract(s)	N/A	N/A	N/A
Percent of Benefiting Census Tracts that have a Center for Disease Control Social Vulnerability Index Score > 0.8	N/A	N/A	N/A
Is the community a low-income geographic area as defined in 42 U.S.C. 5135 § (m)(6)	No	No	No
Project Type (if not listed, complete manually)	Stormwater Management - Detention/Retention Basins	Stormwater Management - Detention/Retention Basins	Stormwater Management - Detention/Retention Basins
Will this loan be used towards the non-federal cost share for a grant under another grant program?	No	No	No
Primary Safeguarding Tomorrow BLF Program Priority	Major Economic Sectors or Critical Infrastructure	Major Economic Sectors or Critical Infrastructure	Major Economic Sectors or Critical Infrastructure
Vulnerable Area(s) Listed in 42 U.S.C. 5135 § (b)(1)(E) and 42 U.S.C. 5135 § (d)(3)(I)	river corridors	areas at risk of earthquakes, tsunamis, droughts, severe storms, and wildfires	areas at risk of earthquakes, tsunamis, droughts, severe storms, and wildfires
Major Economic Sector (if applicable) Listed in 42 U.S.C. 5135 § (d)(1)(D)	Emergency Services	Transportation Systems	Water production and distribution centers
What community lifeline does the project stabilize?	Food, Water, Shelter	Transportation	Transportation
Project Description	The project will lower the 100 year floodplain elevation and address repetitive flood damage to the Wheaton Branch Regional Pond located on the east bank of Wheaton Branch in Wheaton, Maryland. The project will: - Fully excavate the west overbank area upstream from Dennis Avenue Bridge. This will expand the floodplain and provide storage of flood waters away from the at-risk homes. The project will remove an estimated 21,000 cubic yards of soil from the west overbank. - Modify the existing Wheaton Branch Regional Pond crest control structure to reduce the Water Surface Elevation (WSE) of the pond during 100 year storm event. The crest modification will include replacement of an inoperable pond drain valve and steel superstructure. - Remove approximately 2,000 cubic yards from Cell 1 of the Wheaton Branch Regional Stormwater Management Pond to increase the storage capacity of the pond. Approximately 1,200 cubic yards of sediment will be removed from this cell and placed in Cell 2. - Plant 2.5 acres of riparian, flood tolerant tree species in the excavated west overbank area upstream of the Dennis Avenue Bridge. - Stabilize 45 linear feet of actively eroding stream at the outfall downstream from Lime Plant, at the northern boundary of the project area.	The T-1 pond is located on the Tiber Branch, just upstream from Historic Ellicott City, and is the largest of the ponds in the watershed of the New Cut Branch (alternatively spelled Tiber Branch). It will be designed as a dry flood mitigation facility. Hence, the pond will be located on the Tiber Branch stream, but it will normally be a dry basin except for the stream baseflow, which will be allowed to pass through the pond embankment unimpeded. Additionally, the pond will have a low flow outlet structure, which will allow for the storage of storage above the five-year storm water surface elevation. By allowing up to the five-year storm to pass through the outlet structure unimpeded, it will allow for the normal passage of aquatic and terrestrial species that are found in the area. Pond T-1 will provide flood mitigation for the areas directly below the pond, plus it adds to the overall flood mitigation benefits achieved from the combination of Safe and Sound projects in downtown Ellicott City. The pond is currently anticipated to be 20' high and include a debris catcher upstream of the outlet structure to prevent large debris from clogging the outlet. The use of the natural ground elevations in the pond 'bowl' area, so as not to grade and remove trees from the bowl area. When at full capacity, the pond is anticipated to have a storage volume of 78 acre-feet, which will mitigate large storms including storms equivalent to the July 2016 and May 2018 events. The pond will provide greater public safety. Additional benefits of water before the pond, including reducing overall flows on Lower Main Street, reducing flows in the proximity of the multiple historic buildings on Main Street, and provide greater public safety. Additional benefits of reducing the floodwaters include protection of environmental habitat in the Tiber Branch and the Patapsco River. By reducing flows from large storms, Pond T-1 will help protect the environment health of the Tiber Branch and the Patapsco River.	The NC-3 pond is located on the Autumn Hill Branch, which is a tributary to the New Cut Branch, just upstream from Historic Ellicott City, and is the second largest of the ponds in the watershed of the New Cut Branch (alternatively spelled Tiber Branch). It will be designed as a dry flood mitigation facility. Hence, the pond will be located on the Autumn Hill Branch stream, but it will normally be a dry basin except for the stream baseflow, which will be allowed to pass through the pond embankment unimpeded. Additionally, the pond will have a low flow outlet structure, which will allow for the storage of storage above the five-year storm water surface elevation. By allowing up to the five-year storm to pass through the outlet structure unimpeded, it will allow for the normal passage of aquatic and terrestrial species that are found in the area. Pond NC-3 will provide flood mitigation for the areas directly below the pond, plus it adds to the overall flood mitigation benefits achieved from the combination of Safe and Sound projects in downtown Ellicott City. The pond is currently anticipated to be 24' high and include a debris catcher upstream of the outlet structure to prevent large debris from clogging the outlet. The use of the natural ground elevations in the pond 'bowl' area, so as not to grade and remove trees from the bowl area. When at full capacity, the pond is anticipated to have a storage volume of 16 acre-feet, which will mitigate large storms including storms equivalent to the July 2016 and May 2018 events. The pond will provide greater public safety. Additional benefits of water before the pond, including reducing overall flows on Lower Main Street, reducing flows in the proximity of the multiple historic buildings on Main Street, and provide greater public safety. Additional benefits of reducing the floodwaters include protection of environmental habitat in the Autumn Hill Branch and the New Cut Branch. By reducing flows from large storms, Pond NC-3 will help protect the environment health of the Autumn Hill and New Cut Branch and the
Primary Hazard Listed in the Entity Hazard Mitigation Plan Mitigated by the Project	flooding	flooding	flooding
Primary Hazard Listed in the Local Government Hazard Mitigation Plan Mitigated by the Project	flooding	flooding	flooding
Secondary Hazard Mitigated by the Project	severe winter storm	severe winter storm	severe winter storm
Project Location (Lat/Long)	39.026142N -77.0082 83	39.2656N -76.8065E	39.2602E16 -76.8019E
Estimated Total Cost	$5,200,000.00	$20,000,000.00	$9,000,000.00
Requested Loan Amount	$4,200,000.00	$1,000,000.00	$3,000,000.00
Population Served	7800	6632	6632
Project Anticipated Start Date	8/1/2025	2/1/2025	7/1/2024
Project Anticipated End Date	7/31/2026	8/1/2026	3/1/2026
For non-revenue generating projects, please identify the local government's revenue stream to support projects.	TBD	Real Estate taxes	Real Estate taxes