

Problem Area ID	Address	Problem Type	Number of Affected Residents	Description of Existing Problem	Proposed Solution
1	194-198 Wexford Road	Structural/Yard	3 (2 Yard, 1 Yard/Structural)	- Existing ravine located on the east side of CR 500N drains to an existing 24" CMP located in the rear yards of 194/196 Wexford Road - Debris from upstream area clogs the inlet, resulting in significant rear yard flooding for all three homes, with structural flooding occurring for one home through rear window wells	Piping Modification/Create Overland Flow Route: Add additional inlet to provide additional capacity to existing storm sewer. Regrade side yard between 194 and 196 Wexford to provide overland flow path to the east toward Wexford Road
2	228 Shorewood Drive	Structural/Yard	1	- There is an existing bowl located on the south side of this residence that outlets via an existing 18" CMP culvert (combined with roadway drainage) - Significant ponding occurs in side yard of residence, with overland flooding of residence through rear walk-out basement	Culvert Improvement/Regrade Property - Upsize existing culvert and separate from roadway drainage; regrade property to provide positive overland path toward culvert
3	386 Devon Road	Failed Sediment Forebay	N/A	- Existing forebay is undersized and in poor condition	Reconstruct and Expand Forebay to Maximum Extent Practicable
4	362-383 Tremont Lane	Devon Ravine Erosion	N/A	- Significant erosion observed along Devon Ravine, resulting is sediment loading at Lake Louise outfall - Blue Heron Preserve Wetland currently outlets to Devon Ravine via 18- to 24-inch pipe network (approximately 34-acre drainage area)	Modify Outlet/Piping from Blue Heron Preserve Wetland to bypass Devon Ravine and outlet directly to Lake Louise, reducing drainage area to Devon Ravine
5	362-383 Tremont Lane	Devon Ravine Erosion	N/A	- Significant erosion observed along Devon Ravine, resulting is sediment loading at Lake Louise outfall - Wetland south of Nature Walk (Buttonbush Swamp) currently outlets to Devon Ravine via overflow grates/piping underneath path	Modify Outlet to Nature Walk Wetland to Create Storage - Lower Existing Overflow Grates to lower NWL and create more upstream flood storage/attenuation
6	367, 370 & 374 Wilshire	Street Flooding/Pipe Failure	3	- All three affected residents report significant street ponding along Wilshire Court, particularly at the end of the cul-de-sac - Pipe failure erosion observed between street and lake outlet at 370 Wilshire - Tributary area increases with storm intensity, overland flow route from west/south areas directed toward cul-de-sac	Reconfigure inlets/upsized piping at Wilshire cul-de-sac, possibly in conjunction with inlet improvements on upstream storm sewer systems to reduce overland tributary area during high-intensity storms
7	104 Shorewood Drive	Structural	1	- There is an existing bowl located on the west side of this residence that outlets via an existing 15" RCP culvert - Significant ponding occurs in side yard of residence, with overland flooding of residence through window wells and a recessed entrance in the backyard	Culvert Piping Improvement - Upsize existing culvert and reconfigure piping so that side yard culvert is separated from Shorewood Drive storm sewer system
8	451-452 Roxbury Road	Street/Yard	2+	- Significant street/yard flooding observed where twin CMP culverts cross Roxbury Road - Existing culverts are in poor condition	Culvert replacement in conjunction with downstream channel improvement (to lake outfall)
9	423 Brookshire Court	Street/Yard	1	- Significant street ponding occurs - only a single inlet with 12-inch RCP outlet to ravine located in rear yard of residence - An existing electrical box is located adjacent to inlet, resident reports concerns of electrocution	Construct additional high-capacity inlet with storm sewer to run parallel with existing piping
10	157 York Circle	Pipe Failure/Ravine Erosion	N/A	- Existing 36" driveway culvert is in poor condition, contributing to significant erosion issues	Culvert replacement (Driveway)
11	201 Wexford Road	Pipe Failure/Sinkhole	1+	- Existing 42" CMP outfall to Lake Louise in poor condition with significant erosion observed	Replace existing pipe segment and reconfigure outlet (To be completed in conjunction with upstream piping improvements associated with 206 Wexford Road)
12	206 Wexford Road	Pipe Failure/Street Flooding	2+	- Significant deterioration and erosion observed at existing culverts/storm sewer - Significant street flooding occurs along Wexford Road near the tennis courts	Storm Sewer/Culvert Improvements (In conjunction with 201 Wexford Road)
13	189 Ashford Court	Pipe Failure/Structural Flooding	1	- Significant street ponding occurs due to single inlet with 12-inch pipe at cul-de-sac - Driveway of residence is pitched such that street ponding eventually flows down driveway and into residence	Storm Sewer Improvement - Reconfigure existing inlets and upsize piping. Observed deterioration of 12-inch CMP in rear of property provides opportunity to replace piping from street to lake outfall
14	448-490 Roxbury Road	Roxbury Ravine Erosion	N/A	- Previously installed riprap/sandbag check dams are in poor condition and failing	Replacement of Failed Riprap Check Dams (4)
15	385 Devon Road	Failed Pipe/Ravine Erosion	N/A	- Existing culvert consists of 30-inch PVC grouted into original 48-inch CMP - Culvert connects existing wetland area with failed sediment forebay on north side of road	Modify Devon Road culvert to optimize wetland storage on upstream side of roadway

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