

City of Fridley Project Planning List
Updated December 2017

The following list was developed to identify and prioritize feasibility analyses and projects that would benefit Fridley's water quantity and quality for inclusion within the City's long term planning efforts, Capital Investment Program, and external grant applications. This list is not exclusive; additional projects can be found in other reports including the Southwest Urban Lakes Study Phase 1 report, the Coon Creek Watershed District WRAPs, and the Watershed Management Plans of the City's Watershed partners. This list is to be reviewed and updated annually in consultation with Watershed partners.

- 1. Riverview Terrace Flood Protection.** This project would construct a hard surface trail on the west side of Riverview Terrace from 79th Way to Kimball Street. The trail would be established at a grade such that it could be used to support temporary augmented flood protection in extreme River flooding events. The trail would also provide access and trail connectivity.
- 2. Apex Pond Retrofit.** This project would establish grading and drain check valves on the north and east sides of Apex Pond to prevent neighborhood flooding from flash storms when the gate at the Springbrook outlet is closed due to high river elevations.
- 3. FEMA Flood Map Update (Riverview Heights Neighborhood).** This project is underway and will establish new flood mapping for the Riverview Heights neighborhood which incorporate the levee constructed along 79th Way and Riverview Terrace.
- 4. Springbrook Creek Conveyance Improvements.** This project would evaluate and improve conveyance across Ironton and Hugo Street in conjunction with a future street project (currently scheduled for 2019). The goal of the project would be to alleviate flood potential and impact to residential properties.
- 5. Springbrook Railroad Culvert Modifications.** This project would improve flood conveyance at the BNSF culvert crossing for Springbrook Creek.
- 6. Springbrook Nature Center Pond Sediment Removal.** This project would remove accumulated sediment from the main ponds at Springbrook Nature Center located upstream of Weir C along Springbrook Creek.
- 7. Springbrook Nature Center 83rd Avenue Conveyance Improvements.** This project would reestablish and maximize capacity of the ditch along the 83rd Avenue extension within the Springbrook Nature Center.
- 8. Northtown Drainage Improvements.** This project, conjunctive with adjacent Cities would look for opportunities to reduce peak flow rates and maximize storage capacity in the area of Northtown Mall east of University Avenue.
- 9. Craig Park Drainage Improvements.** This project would allow improvements to the Craig Park Recreational facilities by providing a stormwater management system within Craig Park that may include a detention pond and other drainage rerouting.
- 10. Stonybrook Creek Flood Improvements.** This project, currently in design, would improve the conveyance of Stonybrook Creek and alleviate flooding in the vicinity of Beech Street and 78th Avenue

Northeast. Current concept for the project includes a supplementary conveyance across East River Road following Craig Brook Way to the Mississippi River.

11. **Stonybrook Creek Upstream Improvements.** This project would analyze and seek opportunities to reduce peak flows crossing University Avenue from Spring Lake Park.
12. **Oak Glen Creek Pond Expansion.** This project, currently under construction, will add capacity to an existing detention pond on Oak Glen Creek east of the BNSF railroad tracks. The City worked with an adjacent business to obtain property necessary to construct the pond.
13. **Commerce Lane West Drainage Improvements.** This project would rehabilitate drainage along the BNSF right of way between two properties located north of 73rd Avenue.
14. **Oak Glen Creek Commerce Lane Improvements.** This project would reduce peak flows and improve water quality in an area between Commerce Lane and University Avenue in the Oak Glen Creek sub-watershed.
15. **Oak Glen Creek Sub-watershed Improvements.** This project would seek opportunities to implement water quality and flood control improvements in the Oak Glen Creek sub-watershed upstream of University Avenue.
16. **73rd and University Avenue Drainage Improvements.** This project would review existing conveyances and seek to improve capacity along interceptors in the Oak Glen Creek sub-watershed at this location. Potential for rerouting excess peak flows to Rice Creek along the east side of University Avenue would be considered.
17. **Madsen Park Stormwater Drainage Improvements.** This project would look for opportunities for stormwater storage at Madsen Park and along 73rd Avenue to reduce peak flow and improve water quality in the Oak Glen Creek sub-watershed.
18. **Target Distribution Drainage Improvements.** This project would analyze potential improvements and peak reduction of runoff from Target Distribution Center into the 73rd Avenue trunk system, and seek opportunities for water quality retrofits.
19. **73rd Avenue and University Avenue Drainage Reroute.** This project would look at the potential to reduce flooding along the Oak Glen Creek drainage system by rerouting flow at University Avenue and 73rd Avenue directly south to Rice Creek.
20. **Locke Lake dredging.** This project would remove sediment from Locke Lake, an impoundment along Rice Creek. The project would include a preliminary bathymetric survey to determine proper timing for sediment removal.
21. **Mississippi Stormwater Pumping Station Rehabilitation Project.** This project would rehabilitate and reconstruct the City's stormwater pumping station located near the underpass at Mississippi Street and the BNSF railroad. The project may be coordinated with a rail expansion Project that has been developed by Anoka County and BNSF. Potential for stormwater reuse and water quality improvements would be evaluated and included if feasible as a part of this project.

22. **Village Green Flood Control Improvement Project.** This project would increase the capacity of a retention pond east of Village Green and owned and operated by that property owner. The project would improve the capacity of the pond for flood control purposes. The project would require cooperation and investment by the property owner.

23. **Lucia Lane Drainage Improvements.** This project would look for opportunities for stormwater storage and water quality in the vicinity of Lucia Lane between Mississippi Street and 68th Avenue. This would address relatively infrequent flooding conditions on Lucia Lane.

24. **Norton Creek Improvements.** This project would seek to reduce peak flows, improve water quality, and reduce erosion along Norton Creek north of the Minnesota commercial railroad crossing.

25. **Norton Creek at 73rd Avenue Improvements.** This project would attempt to reduce flooding along Norton Creek at 73rd Avenue between Highway 65 and Central Avenue. The goal of this project would be to reduce flooding of properties adjacent to conveyances at this location.

26. **Osborne Road and Central Avenue Flow Reduction Project.** This project would attempt to reduce flows from the east and north entering the conveyance system that is directed to Norton Creek.

27. **69th Avenue Water Quality Improvements.** This project would provide for pavement reduction and possible water quality improvements along 69th Avenue from Central Avenue to the city limits. Potential for a median swale including infiltration would be considered as part of this project slated for 2018.

28. **Shamrock Lane Stormwater Pond Optimization.** This project would look at the current storage of the Shamrock Lane pond in attempt to optimize both area of treatment and efficiency.

29. **BNSF Drainage Improvements near 61st Avenue.** This project would provide storage and mitigate flows from BNSF property onto streets (Alden Way) and private property (Sylvan Hills) north of 61st Avenue.

30. **Sylvan Park Stormwater Drainage Improvements.** This project would look for opportunities for stormwater storage at Sylvan Park at Rainbow Drive and Jupiter Road to reduce peak flow and improve water quality.

31. **West Moore Lake Emergency Pumping System Upgrade.** This project would install a sump connected to West Moore Lake to facilitate emergency pumping of the lake when extreme lake levels are observed. The lake is currently dependent on a single outlet, and has limited storage that was exceeded in 2011.

32. **West Moore Lake Neighborhood Sump Pump Connections.** Sump pumps would be connected to a proposed storm sewer interceptor in the vicinity of West Moore Lake Drive and Marigold Terrace, which would limit pavement damage and icing conditions on the road.

33. **West Moore Lake Outlet Control Improvements.** This project would retrofit the outlet for Moore Lake to move the control point closer to the lake through construction of a weir or other control system. This would reduce MnDOT and City maintenance in the ditch between the lake and West Moore Lake Drive.

34. **West Moore Lake Outlet Water Quality Improvements.** This project would provide infiltration or other water quality improvements from St. Phillips Church by construction of a BMP east of the church parking lot and west of the existing MnDOT ditch.

35. **Moore Lake Park Water Quality Improvements.** As part of the Moore Lake Park master plan, three areas of potential for water quality improvements were identified, including reducing pervious surface and treatment of reconfigured main parking lot runoff, reestablishing a wetland that accepts discharge from the north parking lot, and treatment of the inlet channel flow into the lake at the south end of the main parking lot.

36. **Mississippi Street Water Quality Improvements.** This project would require acquisition of property to construct a detention or retention system on property south of Mississippi Street and approximately 600' east of Central Avenue. A preliminary analysis has been performed.

37. **Rice Creek Road Wetland Restoration.** This project would restore a historic wetland north of Rice Creek Road and east of Central Avenue. The City currently has control of this property.

38. **Harris Pond Optimization.** This project would analyze improvements to Harris Pond, a constructed impoundment, to optimize its effectiveness and improve the quality of the water discharging from the Pond.

39. **BASFU Retrofit.** This project would retrofit the Biologically Activated Stormwater Filtration Unit that was designed and installed near Pierce Drive south of Lynde Avenue in the 1980s. The project may include upgrading the existing stormwater pond adjacent to the BASFU as well. A preliminary analysis is complete and under evaluation.

40. **Danube Pond Sediment Removal.** This project would replenish storage in a series of stormwater wetlands in the vicinity of the Danube Roads. An initial project was completed in 2015, a second project is being permitted.

41. **53rd Avenue Stormwater Improvements.** This project would be installed in conjunction with a roadway reconstruction project on 53rd Avenue and would look for opportunities to treat runoff from public and private sources. Property acquisition would be required for the candidate site.

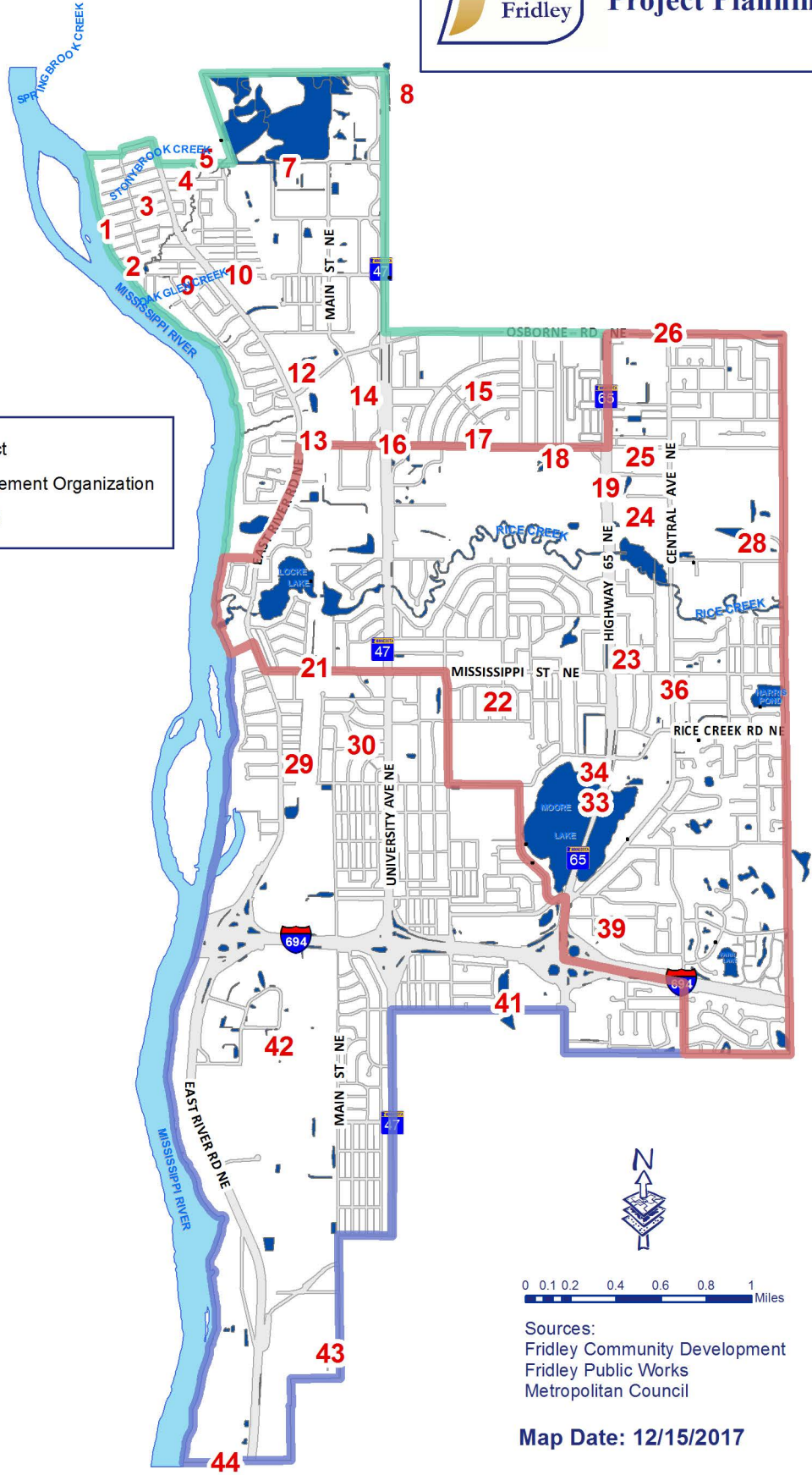
42. **Main Street Industrial Property Stormwater Improvements.** This project would provide stormwater improvements for runoff from several industrial properties along Main Street near 53rd Avenue. The stormwater runs to the railroad right-of-way untreated via an ad-hoc impoundment that has adverse property effects. A meeting was held with the property owners and the MWMO previously, but the owners have declined proceeding with project analysis at that time.

43. **University Avenue Drainage Improvements.** This project would mitigate flash flooding of University Avenue near 49th Avenue. This project would be coordinated with the City of Columbia Heights and MnDOT.

44. **BNSF Stormwater Improvements.** This project would evaluate stormwater flooding and water quality improvements with the BNSF railroad, and provide a plan and means for implementation of improvements selected.



Local Surface Water Project Planning List



- Coon Creek Watershed District
- Mississippi Watershed Management Organization
- Rice Creek Watershed District



Sources:
 Fridley Community Development
 Fridley Public Works
 Metropolitan Council

Map Date: 12/15/2017

