

**Meeting Minutes**  
**Ladue Storm Water Advisory Committee**  
**Thursday March 3, 2022 8:00 a.m.**

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Chairman Lloyd Palans called the meeting to order at 8:01 a.m.

The following members were present:

Lloyd Palans, Jim Adams, Maryann Rober, Scott Solsvig, and via ZOOM Robert Mueller

Also present

Andy Franke, Planning and Design Studio; Tim Dean, Intuition & Logic; Councilman John Fox; Anne Lamitola, Director of Public Works; Amanda Griffin and Mark Koester, Storm Water Engineers; Lori Mullins, Deputy City Clerk and via ZOOM Mayor Spewak

Adoption of the Agenda

Chairman Palans suggested amending the agenda by postponing the Public Forum allowing some comments and questions to be answered by the presentations. He requested a motion to approve and adopt the agenda as amended; the agenda was adopted upon motion by Mr. Mueller and second by Ms. Rober.

Approval of the Minutes from the November 11, 2021 Meeting

Chairman Palans asked for a motion to approve the minutes. The minutes were approved upon motion by Mr. Solsvig and second by Ms. Rober.

Public Forum

Several residents were present via ZOOM. In order to hear all comments, Mr. Palans requested the Public Forum be taken up later in the meeting.

Storm Water Management Program Budget

City of Ladue latest Collector's Report for the Period Ending January 31, 2022. The activity for January 2022 is \$99,619.43 vs \$92,141.07 for January 2021 showing a favorable variance of \$7,478.36 or 8.12%.

Storm Water Management Program/2019 Five Year Implementation Program o Project Status Update:

*Willow Hill Stormwater Infrastructure Project (1614A)*

Ms. Griffin gave the following status update on the project: Bi-State's crew is installing stormwater infrastructure at the intersection of Lorenzo Drive and Loren Woods Drive. The boring operation between #11 and #14 Willow Hill Road was successfully finalized. Roadway and curb construction is planned for mid-March on Willow Hill. A pre-construction meeting was held on February 22 with

Bi-State and their subcontractor E. Meier to coordinate installation of a stormwater system for the driveway at #44 Willow Hill Road.

The Bi-State Utilities construction contract current value is \$2,110,861.36; the remaining contingency fund balance is \$21,090.64; paid-to-date of \$928,907.88. The HR Green construction phase services current contract value is \$255,116.20; paid to date with \$107,148.80.

*Deerfield-Wakefield Stormwater Infrastructure Project (1601.01)*

Easement binders have been distributed to seven residences on Ellsworth Lane and Danfield Road. Easement binders are in progress for eighteen residences on: Woodcrest Drive, Lindworth Drive, Deerfield Road, Wakefield Drive, Deerfield Terrace, Trails End Lane, Daniel Road, and respective subdivision trustees. Individual stakeholder meetings are underway.

Phase I construction is projected to begin in April 2023. This construction start date is contingent on the acquisition of all Phase I easements.

*Robin Hill Lane - McKnight Lane Bank Stabilization Project (1618)*

Mr. Koester updated the Committee on the Robin Hill Lane - McKnight Lane Bank Stabilization Project. Spire relocated and extended the gas main from Ladue Forest Lane. The sanitary sewer was extended across #5 Brookside Lane so that the #12 Brookside Lane lateral no longer crosses the property at #5. Gershenson was then able to install the triple box culvert beneath Brookside Lane. Landscaping has been planted in completed areas. Work is underway on retaining walls on both ends of the new box culvert.

Landscaping will be planted downstream of the culvert post completion of the walls.

The City has negotiated with the property owners upstream at #7 and #8 Brookside Lane; the homeowners will complete the landscaping. Construction may be completed before the end of Spring 2022, weather permitting. There is \$28,161 remaining in the project budget, however, imminent change orders include \$8,700 for the MSD required inspection and approximately \$18,000 for the upgrade to flagstone from Redi Rock walls at #12 Brookside Lane. This leaves approximately \$1,461 remaining in the budget.

Public Works has received several concerns regarding the project. Mr. Koester outlined resident concerns and the Public Works suggested solutions.

Multiple Brookside residents are requesting additional landscaping to provide supplemental screening. Additional screening at 10 Brookside Lane will be determined upon completion of the project with Public Works continued oversight.

Mrs. Langsam, 12 Brookside Lane, requested changing the walls to flagstone at the entry of the driveway. Public Works will proceed with a change order at a cost of \$18,000.

Multiple Brookside residents are displeased with the aesthetics on both ends of triple box culvert. Staining the concrete ends may be preferable with the Redi Rock retaining walls at a cost of \$5,000 to \$10,000. Public Works will request additional funds from City Council to stain the concrete.

Multiple Brookside residents would like the City to provide FEMA a Letter of Map Revision (LOMR) to reflect post-project flood elevations. The approximate cost for City to apply for a LOMR is

\$40,000 - \$50,000. The City's intention for this project has always been erosion control and not flood control. It is not the responsibility of the City to remove properties from the floodplain.

Public Forum:

The following members of the public attended the meeting to share concerns regarding the Robin Hill Lane - McKnight Lane Bank Stabilization Project:

Valerie Anderson, 2 Robin Hill Lane; Jack Goralnik, 15 Brookside Lane; Alan Grace, 5 Brookside Lane; Wendy McGowan, 3 Robin Hill; Hannah Langsam, 12 Brookside Lane; Ms. Boyce, 6 Brookside Lane

Concerns included:

- Project Communication from the City to Residents, those directly impacted received notice and information, however the strictly visually impacted residents would also appreciate personal notification
- Residents were not fully prepared for the extent of the project
- Apprehension regarding the appearance and possible inability to bring everything aesthetically back to the way it was before
- Concern for the downstream impact from the project, additional water coming through the large culverts, and the overflow end point
- Loss of numerous mature trees
- Flooding and erosion

The resident's request:

- Additional trees
- Additional landscaping
- Floodplain information for FEMA

The residents agreed the workers have been very courteous, kind and understanding. They are appreciative of the changes being made to improve the aesthetics.

Tim Dean, of Intuition & Logic reported that the former culvert was undersized and frequently overtopped causing flooding and erosion in the channel. The hydraulic analysis revealed flooding could not be eliminated, so the intent was to minimize overtopping the culverts. The statistical benefit is 15 times better than what was previously in place.

There will be no increase in downstream erosion. The same amount of water is at the upstream end of the project as the downstream end. The change was in how much water topples over the culverts. #2 Robin Hill property is located on the inside of the bend. This location sees the lowest shear stresses. The outside of the channel bend is supported by an existing wall that does not appear to be at a failure point. The channel is held up from further incision by the culvert crossing at Robin Hill. The channel is controlled by

the culvert at Robin Hill. The culverts are maximizing the benefit. Where there aren't retaining walls, there is maximized planting.

An erosion control blanket helps the plants get established on the steep slopes. A seed mix of native plants is provided under the blanket, supplemented with trees and shrubs. Other plantings are livestakes located in the rock lined slope areas. Roots from the livestakes grow through the rock and strengthen those slopes. Robust growth is anticipated. The design fulfills the intent of the project to reduce the culvert overtopping and eliminate the erosion problem.

Andy Franke, Planning and Design Studio, reported the plant palette consists of native plants adapted to wet stream conditions that require minimal maintenance. There is a lot of seed mix in the area which will take some time to grow. Zone 1 is 1.5-2ft tall, Zone 2 is 2-3ft tall, and Zone 3 is 3-5ft tall. It will take a few seasons of growth for the landscaping to completely achieve the intended screening. From a planting standpoint the project meets the intent of the project.

Ms. Lamitola shared information on the development of the masterplan, the identifying of 55 storm water projects totaling \$114 million. The implementation of an ordinance developing priorities with the M.S.D. scorecard which was modified in 2015. The City maintains the original purpose of erosion control not removing houses from the floodplain.

Mayor Spewak shared that they want everyone to be pleased with the project. She's been on the project during construction and has been involved in addressing the concerns. She gave out her cell phone number for residents to call with concerns. She, and staff will do their very best to come to a conclusion that will make everyone proud.

Small Project Storm Water Grant Program

No report

MSD/Deer Creek OMCI Taxing Subdistrict

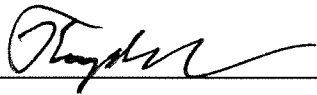
No report

Schedule next meeting

The next meeting of the Stormwater Advisory Committee will be Thursday, June 16<sup>th</sup>

Adjournment

The meeting was adjourned upon motion by Mr. Solsvig and second by Ms. Rober at 9:07a.m.



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Mr. Lloyd Palans, Chairman