



Engineer's Report
Public Works Committee
Village of Cottage Grove
October 2022 Report

Shady Grove Subdivision

Strand is currently working with the developer and RG Huston Company, Inc. (RG Huston) regarding site runoff to private properties west and south of this development. The developer's engineer, JSD, has provided an exhibit showing the property line and the original design can be completed according to plan.

The lift station for the development has been connected the Village's SCADA system and is communicating and operating appropriately. Over the next month, Strand will review the pumping and electrical components of the station now that it is online. In further investigation, the infiltration of the lift station is under the Wisconsin NR Code infiltration limits; however, RG Huston found infiltration happening at some of the manhole castings and is looking into a remedy for these castings.

RG Huston began paving the asphalt bike path on Buss Road early September, but after a proof roll passing, the asphalt paver provided rutting and became stuck in soft base course. RG Huston is allowing the base course to sit and anticipates paving in October 2022.

Authentix Cottage Grove

Strand and Village staff worked with the developer's engineer and construction team to repair the eroded retaining wall in September 2022 and provided a temporary berm to direct water to the stormwater basins while a permanent solution was determined. In early October 2022, Integrity Grading and Excavating (IGE) is anticipated to install additional storm sewer catch basins and piping to capture and direct runoff to the stormwater basins instead of the retaining wall according to the updated drawings.

In late September 2022, the driveway apron and sidewalk were constructed along Cottage Grove Road for the entrance to the Village dog park parking lot. Remaining public works improvements at this development include paving of the parking lot for the Village dog park, asphaltic path in the park, and restoration within the rights-of-way and along the large east retaining wall. The sidewalk along the CTH N entrance will continue to remain closed this fall because it is the primary entrance for the development construction traffic. The school pedestrian traffic will be directed to use the midblock crossing along Main Street in front of the school to avoid use of the sidewalk near the development.

Fifth Addition to Westlawn Estates

Asphalt binder was placed along Paris Lane in late September 2022. Additionally, Strand and Village staff have continued to monitor the stormwater basins for the Fifth Addition to Westlawn because of the overflow being toward Town properties. Homburg Contractors, Inc. (Homburg) dredged the wet stormwater basin in late September and undercut it an additional 1 foot to allow for additional runoff sediment from the undeveloped areas. This wet basin is rather small in design, and in the future, most of the development area will not be draining to this basin. In its current existing condition, some of the site that is not developed does drain to this basin and that is likely adding water, sediment, and overflow to this basin.

Quarry Ridge Estates

Snyder Excavating (Snyder) completed curb installation and binder asphalt along Phase C of development. It is anticipated sidewalk will be placed for Phase C in early October. Phase B of Quarry Ridge had surface asphalt placed in late September. Snyder requested Final Completion of Phase B on September 23, 2022. A final walkthrough is scheduled with the Village, Strand, and Snyder for September 29, 2022, before acceptance.

Other Development Projects

HeyDay Development is working to resubmit its development plan along Buss Road and Cottage Grove Road. The Village's initial review comments recommended this development urbanize both Buss Road and Cottage Grove Road as part of this development.

The Mini Storage Units and Atlantis Valley Foods restoration was completed, and the Land Disturbance Permits were closed out in late September 2022.

Cottage Grove Commons began construction of the turn lanes on CTH N and Gaston Road at the end of September to coordinate construction traffic control with the Village's CTH N project. Construction of the turn lanes is anticipated to take approximately 2 weeks.

Erosion Control Checks

Strand continues to provide weekly erosion control checks on development sites in the Village including Cottage Grove Commons Phase 2, Dolphin Swim, Movin Out Glen Grove Apartments, Grand Appliance, Atlantis Valley Foods, Hydrite's Water Treatment Facility, JEK Multi-Tenant Building, Quarry Ridge Development, Shady Grove Subdivision, Authentix, and Fifth Addition to Westlawn Estates. Correspondence was sent to development owners if the erosion control measures on-site were not satisfactory or compliant.

Village Public Works Projects

For the 2022 Streets Improvements project, Homburg completed the Weald Bridge Road milling in early September 2022. After the milling operations, Village staff and Strand noticed curb and gutter in poor shape along the south side of the street. As the project was ahead of budget with minimal base course and excavation below subgrade (EBS) used, Village staff moved forward with the replacement of approximately 550 feet of curb and gutter. Asphalt surface pavement was placed in mid-September for all streets within the project. Homburg requested Substantial Completion on September 27, 2022. A final walkthrough with Village staff, Homburg, and Strand will occur to provide a punch list before Final Completion. At this point, with minimal base course and EBS used, the project is within budget and may even be under budget by the end of the project, even with some of the additional construction items during construction.

The CTH N Urbanization construction project continued through Phase 4 and switched traffic to Phase 5 at the end of September. Both the east and west sides of CTH N have been binder paved by Raymond P. Cattell Inc. (Cattell) as well as the median work and pavement near Limestone Pass. The bike path construction continued and will be paved in sections at the end of September and beginning of October 2022. With Village staff approval, additional asphalt binder patching in the existing asphalt roadway north of Limestone Pass was completed as some of the existing asphalt was in poor condition and the binder should be removed in lieu of just surface asphalt repair. Surface asphalt pavement will be placed in Phase 5 by early October 2022.

The Clark and Grove Streets project completed asphalt paving in mid-September. Final restoration, pavement markings, and signage continued through the end of the month. RG Huston is still waiting for final utility relocations to occur to complete the sidewalk on Clark Street. Grove Street, south of the park, was not fully pulverized as suggested in the drawings; instead, it was overlaid with 3.5 inches of asphalt in accordance with conversations and recommendations from Payne & Dolan. This should help reduce the amount of potential undercut on that section of the roadway. RG Huston requested Substantial Completion on September 29, 2022.



The 2022 Parks Improvement Project continued work in Community and Redhawk Parks with the asphalt being placed for the pickleball courts and continued grading activities. The playground equipment is slated to be installed in early October 2022. The benches for the parks in the Westlawn subdivision have a longer lead time and are anticipated to be delivered in late October 2022.

Spohn Ranch and the Village signed the Bakken Skate Park and Pump Track contracts in late August 2022 and a preconstruction meeting was held. The project is slated to begin in October 2022 as Spohn Ranch is acquiring a subcontractor to complete the excavation and grading for the project.

The solar array project for the roof of the Public Works and Police Department building was bid in late July 2022. One bid was received and was less than Strand's cost estimate. The project is slated to begin in early 2023 to meet final completion by April 2023.

Prepared and respectfully submitted by Josh J. Straka, P.E., Strand Associates, Inc.®.