

## 2005 Stormwater Utility Projects

The stormwater utility completed a series of projects, from large to small scale this 2005 construction year. With the year nearing its end, we have reviewed our completed and "work in progress" storm projects. A summary of projects is listed as follows:

- The Village re-ditched and replaced an undersized culvert near the intersection of Highland/Alta Verde;
- Installed ~150-feet of storm sewer pipe and re-graded the ditches near the intersection of Von Kanel/Sternberg;
- Re-graded and re-ditched the east side of Birch Street. The ditching consisted of 1550-feet north of "Jelinek Creek", to the Jelinek/Birch Intersection;
- Installed ~150-feet of storm sewer as a runoff "relief system" within the Sandhill Meadows Subdivision;
- Added two curb inlets, which connect to a new discharge to one of the detention basins within the Windemere Oaks Subdivision. This work also entailed replacing a small amount of curb & gutter and the addition of rip-rap at the discharge endwall;
- Completed acquisition of the detention basin located in the Windemere Oaks Subdivision. This is generally standard practice which assures proper maintenance;
- Completed a small amount of ditching and added culverts at both Deer/Eau Claire Ave and Randy J/East Jelinek intersections;
- Re-graded and re-ditched ~450-feet of ditch line on East Everest Avenue for proper drainage between the Everest water tower and Kirk Street;
- Completed easement agreements for the hospital complex to take over both detention basins in the complex. Prior to the establishment of the maintenance agreement, both basins needed work to bring them back up to design standards. This was completed at a shared cost between the developer and the Village;
- The Village inspected and repaired one of its detention basins in the Tappe subdivision area due to the heavy rainfall from October 4, 2005;
- Completed both phases of the Callon-Zinser/Schofield Avenue Storm Sewer Projects. This encompassed the installation of a larger outfall (replacing the previous undersized pipe) and a device to remove *total suspended solids (TSS)*. This also included ~4,800-feet of storm sewer pipe which extends east on Schofield Avenue from the Zinser Street Intersection;
- Final Completion of the River Bend Drainage Improvement Project. This project was 90% completed in 2004;
- 95% completion of the Cutoff Road Drainage and Street Maintenance Project. This included re-ditching and the installation of ~1550-feet of storm sewer. Final restoration remains to be completed in the spring of 2006;
- Failing inlet restoration/reconstruction on Schofield Avenue concurrent with Schofield Avenue Streetscape Project.
- Re-graded and ditched the north and south sides of Shorey Avenue: ~2,100-feet between Zinser to Ryan Streets;
- Re-ditched the intersection of Lawndale and Monterey Streets and added a culvert;
- Re-ditched the western half (~1100-feet) of Wesenick Road. This included replacements of existing culverts;
- Completion of a 5-basin watershed drainage study by Central Wisconsin Engineers & Architects, Inc., which includes most of the area within the Village north of STH 29. The Village will be evaluating the reports to determine major areas of deficiencies in these areas;
- Created Divisions 2 & 3 stormwater ordinances which are compliant with NR 216 and NR 152. Generally, Division 2 regulates proper post construction stormwater management (including design standards) and Division 3 regulates construction site erosion standards and best management practices. These ordinances assure that all developments over 1 acre are practicing proper and environmental sound stormwater procedures.

