

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.

2006 Stormwater Utility Projects

The stormwater utility completed a series of projects, from large to small scale this 2006 construction year. With the year nearing it's end, we have reviewed our completed and "work in progress" storm projects. A summary of projects is listed as follows:

- Added a storm system including ditching and piping with inlets to account for the added runoff due to the modern roundabout at the intersection of Ross Avenue and Sandy Lane;
- Completed the remaining punch list items on the Cutoff Road Project from 2005 which were restoration issues;
- Added a concrete elliptical pipe at the intersection of Zinser Street and Weston Avenue equalizing the ditches on Zinser Street;
- Submitted the Stormwater Management Report, to the WDNR, for Machmuller Park in the NE corner of the Village. Village crews have been working on the park, throughout the duration of the construction season. This park includes the addition of two basins; one being fairly large to account for a large parking area, soccer field and ball field runoff;
- Von Kanel Street Storm Ditching Project: from Lee to Sternberg, was designed in-house and the work contracted out. The storm ditching and street over lay project was started and completed within a 3 week time period;
- Volkman and Post Intersection flooding area: This project consisted of the addition of an additional storm inlet and approximately 70-feet of pipe coupled with 270-feet of ditch work;
- Completed the vertical survey of 3,050-feet of ditch line on Weston Avenue in preparation of ditch work next year in 2007;
- Reviewed 27 Storm Water Management Reports submitted by various parties for the construction of large and small scale developments;
- The Village inspected and contracted the repair one of it's double detention basins in the Tappe subdivision area. This was due to the heavy rainfall from

July of, 2006. The same basin needed repair in 2005; therefore additional materials were brought in for reinforcement. The Village also supplied compost from the Village compost site for restoration;

- Business Park 1st Addition: the Village modified the design and moved the location of the existing storm system and regional detention system maximizing the economic value of the available land in the park;
- Added a culvert extension coupled with approximately 100-feet of ditch work at the intersection of Hidden River Circle and High ridge Circle;
- Added a culvert extension and minimal ditch work at the intersection of River Point Place and Pine Ridge Circle;
- Reconstruction of 27 inlets on several Village Streets as well as the repair of 150 manhole castings bring them back up to street grade. This was completed by the Village Street crews.
- Completion of basin report, specifically on delineating engineering alternates for money saving measures in regard to the Jelinek Avenue storm main between Birch Street and Kennedy Park
- Initiation of a Village wide, total suspended solids (pollution discharge) storm sewer study to meet the deadlines established by the WDNR under WI Administrative Codes NR 216.

To review the projects completed in 2005, please visit the Village's website at www.westonwisconsin.org and navigate within the **Public Works Link** to the **Stormwater Link**.