



Valley View Retention Pond Progress Report #2

May 1st to July 31st, 2012

DNR Grant Number: USP-LR08-13225-12 B Total Grant Amount: \$100,000.00

Project Contact: Rick Eilertson, Environmental Engineer, 270-4264,
rick.eilertson@city.fitchburg.wi.us

This Progress Report was prepared by City of Fitchburg staff to keep residents, businesses, elected and appointed officials, and the Wisconsin Department of Natural Resources (WDNR) informed about the status of the Valley View Detention Pond.

Background of the Valley View Retention Pond

The City of Fitchburg applied to WDNR for an Urban Non-Point Source & Storm Water (UNPS & SW) Planning Grant on May 2, 2011 for the construction of the Valley View Detention Pond. WDNR notified Fitchburg on February 10, 2012 that the grant was successful and that Fitchburg would be eligible for grant funding for the January 1st, 2012 to December 31, 2013 time period. The pond itself is part of a larger City of Fitchburg Post/Index Rd. extension. The Valley View Retention Pond is located at the northwest corner of the newly constructed intersection of Post Rd and Index Rd.

Project Milestones from May 1st to July 31st, 2012

May 24th, 2012 – Clearing and grubbing began at the worksite.



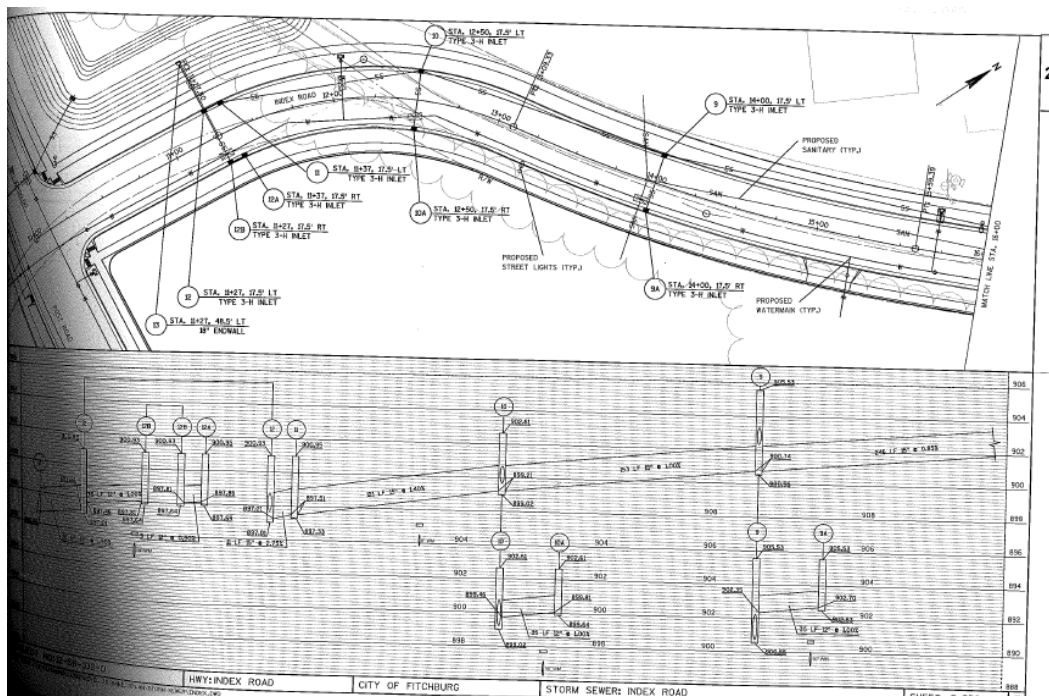
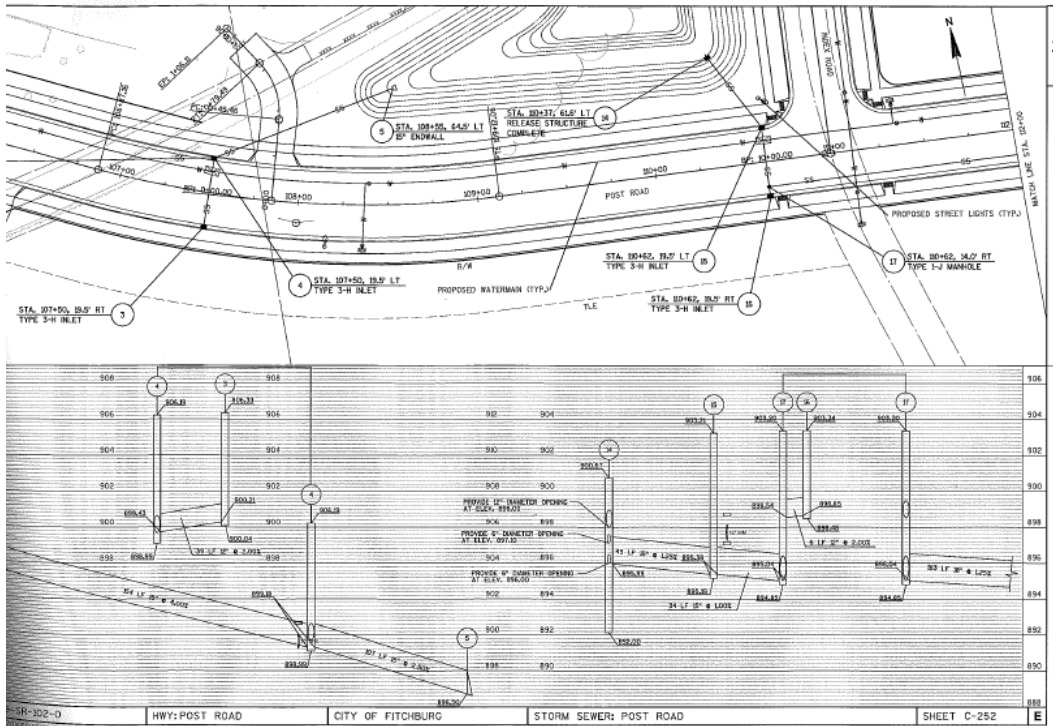


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Mid-June, 2012 – The original contours of the pond were graded per plan.





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Late June, 2012 – Because of the existing water main positioning on the north side of the pond, the contours were adjusted. The concern with the original plans after this discovery was the angle of the side-slopes along the north side. The slope was too steep and re-graded in order to lower the angle of the slope and work around the installed and existing water main.

July 9th, 2012 – The adjusted contours of the pond were corrected and completed as shown below. Next, the storm sewer will be installed including the outfalls for the pond and release structure in the southeast corner.



Status of Valley View Retention Pond, July 9, 2012



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July 20th, 2012 – A progress meeting was held for a review of the City of Fitchburg UNPS projects attended by Rick Eilertson (Environmental Engineer, Fitchburg), Mike Vollrath (NPS Coordinator, WDNR), and Jeff Kraemer (Senior Scientist, Stantec). The discussion for Red Arrow Pond included...

This pond is currently under grading and construction as part of the Post-Index extension project which will provide treatment for both the Valley View apartment complex and the new Post Rd and Index Rd extensions. The current pond will be re-graded after Project Engineer, Gus VanderWegen was able to shoot the topography. The end goal is to use 3:1 sideslopes, with a 10 ft wide 10:1 safety shelf, followed by a 2:1 max slope to the base of the pond. The land (Lot 35) was originally purchased by the City General Fund **at a value of \$180,000**. Because this purchase was made before the grant began, it creates an issue of eligibility even though the Stormwater Utility plans to now acquire it for treatment purposes by reimbursing the General Fund within the grant period. The current model as designed by Felipe Avila, City of Fitchburg Engineering GIS Specialist, **shows an 82% TSS reduction and 65% pH reduction for the 12 acres**, with 43% accounting for Valley View and 57% for the new road/development area. This model must now be adjusted to account for sheet flow within the Valley View parking lot (~1/2 acre).

July 20th, 2012 – Heavy rains of the past week begin to fill the basin.



July 23rd, 2012 – Placement of the storm sewer system was completed surrounding and servicing the pond including the outfalls and release structure.



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Storm sewer outfall located on the east side of the pond along Index Rd