



INTEROFFICE
MEMORANDUM
DEVELOPMENT SERVICES DEPARTMENT

Pursuant to our meeting with Pastor Lyons, I visited the site last Friday (9/2) to investigate the problem with the pond. Problem is, as correctly described by Pastor Lyons, is the pond water level is too high.

The reason the pond level is too high is due to a collapsed farm field tile on the north side of 153rd Street which runs through George Eck's property. We worked with George Eck numerous times to get the tile back in operation, but over time it continued to fail. Eventually when 153rd St. was redone in 2008, a more reliable solution had to be done.

The road project installed a new storm sewer and manhole structure that allowed the pond to effectively drain underneath the road to Eck's property. In the 153rd ROW the manhole was built around the field tile pipe and allowed the water from the pond to bubble up to the surface if and when the field tile was blocked (which is now always blocked). In order to get the water to actually go somewhere, we had Eck cut a ditch through his property to allow the pond to drain, since his field tile was always taking care of that in the past. However, over time the ditch washes-in which then causes the flow of water to back up. This in turn makes the pond level higher than it should be.

So, a more permanent solution to eliminate the need to keep the ditch clear is to put in a small storm sewer thru Eck's property. I estimated the cost of this is as follows

<u>Item</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Total</u>
8 in. PVC Storm Sewer	LF	625	\$24	\$15,000
24 in. inlet	EA	1	\$1,100	\$1,100
Flared End Section	EA	1	\$700	\$700
Connect to Existing	LS	1	\$800	\$800
Plug Pond Outlet, Pump Out Existing MH	LS	1	\$1,500	\$1,500
				\$19,100
		15% contingency		\$21,965

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