

07 2000

TOWN & COUNTRY  
ENGINEERING, INC.

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June 5, 2000

Ms. Roz Gausman, Clerk  
Town of Dunn  
4156 C.T.H. B  
McFarland, WI 53558

Subject: Meadowview Drainage Problems

Dear Roz:

As you requested, we are reiterating our recommendation to the Town regarding a remedy to the drainage problems raised by the residents in the Meadowview subdivision. This recommendation is to construct a drainage ditch through easements granted by the property owners to allow stormwater to drain to the south instead of to the north.

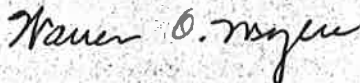
Many factors contribute to the drainage problem. The entire area around and including the Meadowview subdivision is relatively low-lying and flat. That is to say that there is not a lot of existing slope for stormwater to run away from the area and the existing buildings are not very far above the flowline of the existing ditches. The path of flow away from this area is also very long. Water must drain north from Nora Lane to Meadowview Road, east to a drainageway and then south through the wetlands. We have not shot elevations on all the culverts along Meadowview Road. However, there is less than a foot of fall from the Nora Lane drainage ditch, where it hits Meadowview Road, and the main drainage ditch heading back south. The culverts we have shot are on a continuous downward slope along this gradient. Over the entire flow path, from Nora Lane to Meadowview Road to Goodland Park Road water falls only 3.65 vertical feet over 5,790 horizontal feet. This is a slope of 0.063 percent. Concrete will not drain well at this slope, let alone an unpaved drainageway.

Because of these conditions, at times of heavy precipitation, the existing culverts and ditches cannot accommodate the stormwater runoff and flooding may occur. This flooding may occur even though the existing culverts are placed in such a way to allow continuous flow away from the area.

Our recommendation to construct a ditch through easements obtained by the Town from the residents will help to minimize flooding conditions, but will not eliminate flooding conditions.

If you have any further questions, please feel free to call me at your earliest convenience.

Very truly yours,  
TOWN & COUNTRY ENGINEERING, INC.



Warren O. Myers, P.E.  
President

JLJ

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