

**Minutes
Park Township Environment & Energy Committee
May 12, 2009**

Environmental Chair Jerry Hunsburger called the meeting to order at 7:00 pm Tuesday, May 12, 2009.

Present: Doug Yonker, John Barwis, Doug Wehrmeyer, citizens, Bill Chappell and Arne Larsen Driesenga and Associates, Skip Keeter and Mike Toscano Park Township Board, Bill Cole, Park Township Planning Commission

Absent: Julia Johnson; Paul Geerlings Ottawa County Drain Commissioner

The Meeting minutes follow:

1) Chair Hunsburger opened the meeting and asked for a motion to approve the minutes from the May 7th committee meeting.

A motion was made by Bill Cole to approve the amended meeting minutes from the May 7th meeting. John Barwis seconded the motion. Motion passed by verbal approval.

2) Status Update on engineering recommendations by Study Area (SA)

a) SA1

- I. Chappell gave an update of Drain #37 and stated all was looking well due to the recent clearing.
- II. SA1, O2 Larsen introduced a new preliminary proposal that would include a gravity pipe from Estate Dr. and drain into Pine Creek eliminating the need for a pump on Estate Dr. This plan could benefit Greenly and Riley and become part of the same drainage district.

During normal conditions the drain would work well, however it could take a few days to a week to drain all of the water from a large storm.

Road repairs are taken into effect in the estimate and the Ottawa County Road Commission may take on some of the cost.

Potential inlet points to the proposed drain, along Quincy where needed (Tall Grass East & West, Hyder Ct.) 160th and Greenly, 160th and Riley. This drain creates a minimal outlet where there are water problems right now. This proposal would likely make current drains more efficient.

This would be a county drain and maintenance costs could be billed back to the residents, although past practice is Park Township paid the cost.

Chappell recommends options 1 and 2 in SA1.

- b) SA2A - Quincy St.-the road commission is willing to clean out the ditches at their cost in certain areas of Quincy St. with stipulation that:
- 1) The Township inform the residents of what is happening

- 2) The Township pay for all driveway culvert repairs
- 3) The Township pay for any tree removal (Thursday Chappell will have estimates for the cleaning)

Hunsburger stated the township could ask homeowners for reimbursement for culvert replacement.

Chappell stated this option could go past Tall Grass but not to Estate Dr.

c) SA3 - Riley St

Larsen described the proposed drainage options for Riley St.

A possibility exists that Riley St. could piggyback onto the petition for Estate Dr. if the option for the gravity drain (SA1O2) is suggested, which will speed up relief efforts in that area.

d) SA4 – 168th

Larsen explained the options associated with study area 4. He stated the Township would need to gain easements to properties.

e) SA5 – Waukazoo

Driesenga made some improvements to the proposal options regarding this study area. He described possible relief solutions (SA5O1 & SA5O2)

3) Report to the Park Township Board & Recommendations – May 14th Board Meeting

a) The committee recommended changes to Hunsburger's report to be presented to the board at the Thursday, May 14 meeting.

The committee will be asking for the following actions by the board:

- Recommend approval of 2 additional study areas to the Driesenga Contract
- Recommend approval Quincy St. ditch clean out
- Recommend SA5O1 for approval to begin immediately (Post & Greenwood)

A motion was made by Cole to approve the recommendation of the committee to begin immediately option SA5O1 at the expense of Park Township and the Ottawa County Road Commission. Barwis seconded the motion. The committee verbally approved the recommendation.

Toscano disagreed and would like to recommend option 2 to the board.

b) Driesenga & Associates report

The board discussed the details of Driesenga's report to the board and made suggestions.

The committee would like the township to begin to more closely monitor the drainage ditches and would like a copy of the ditch ordinance.

The committee began to eliminate some options as recommended by Driesenga based on various factors.

SA3O2 is eliminated unanimously.

SA4O2 is eliminated unanimously.

SA4O3 is eliminated unanimously.

4) The next meeting will be scheduled for Tuesday, May 26 at 7pm.

5)Public Comment

Hunsburger opened the public comment period

8 people spoke at the public comment period.

Hunsburger closed the public comment period.

Keeter moved to adjourn, Hunsburger supported. Motion passed by verbal approval.

Mr. Hunsburger adjourned the session at 9:10 pm.

*Respectfully submitted by:
Daniele Dykens, Park Township Deputy Clerk*

MEMO TO: PARK TOWNSHIP BOARD
FROM: DRAINAGE SUBCOMMITTEE OF THE ENVIRONMENTAL/ENERGY COMMITTEE
DATE: MAY 12, 2009
RE.: BACKGROUND AND RECOMMENDATIONS

PURPOSE

This Committee was formed at the request of the Township Board to review the Driesenga & Associates Engineering Study dealing with the flooding in several areas of the township. The Committee was asked to work with Driesenga, the Ottawa County Drain Commissioner, the Ottawa County Road Commission, and residents to help select the best options from the study, and to make preliminary recommendations to solve water problems in the various study areas.

The Committee realizes that the residents will ultimately determine if the recommendations made provide the relief they desire for the investment they will be required to make.

BACKGROUND

1. The Park Township Board contracted with Driesenga to determine the cause(s) of the high water and make recommendations for solutions. The Board established Study Areas (SA) based on input provided to the Township by affected residents, with recommendations from Driesenga & Associates.
2. Driesenga and Lakeshore Environmental reviewed existing data, collected new ground water data, and proceeded with testing and calculations to determine the impact the Wyoming Water Treatment Plant (WWTP) has on the high ground water. The findings determined that the WWTP has an insignificant impact on the ground water level.
3. After looking at various causes, and reviewing records for the past 102 years, it was determined that above average precipitation has led to the unprecedented high water table and flooding in several areas of the Township.
4. Driesenga was asked to provide project options and preliminary cost estimates, by Study Area, for the solutions they are recommending. They were asked to also describe the practical difficulties that need to be overcome for the recommended solution (easements, trees, impact on blueberry farms, etc). Additionally, Driesenga was asked that project cost estimates include construction costs, engineering and other fees. They were asked to estimate what percentage the Township, Road Commission, and residents would pay for each Study Area project.
5. The Ottawa County Drain Commissioner was very helpful and a great resource for the Committee. He defined the process residents need to use to establish a Special Assessment Drainage District. This will likely be the option used for funding the solution for each project.
6. The Committee reviewed the limitations on the use of Township funds for dealing with issues like the flooding problems. Township funds cannot be used to repair problems on private property, but may be used on public land for the health, welfare, and convenience of the public. Generally, the Township would

contribute a percentage of the cost, based on the Drain Commissioner's formula, in a Special Assessment Drainage District.

7. The Committee reviewed the Township's past practices for paying for costs associated with the maintenance of drains once they are constructed.

Historically, Park Township has not charged back to Special Assessment Districts the costs for routine maintenance once a drain has been established or improved. That practice has been at the discretion of the Board.

8. If they have not already done so, the Committee encourages residents to file a petition with the Ottawa County Drain Commissioner's office if they wish to upgrade the drain, or install new drains, in their area.

RECOMMENDATIONS

1. The contract with Driesenga & Associates should be amended. They were contracted to perform engineering studies and perform other work in specified areas of the Township. It is evident that other areas of the Township should be included in the study. Details of the proposed added areas are listed in a report from Driesenga, identified as Study Areas #6 (Northland Estates), SA#7 (Greenly), and SA#8 (Harbor Village Condo).

Recommendation: That the contract with Driesenga & Associates (originally authorized at \$47,400) be amended to include other specified areas. This would require an increase of \$22,410, or a new contract limit of \$69,810.

2. The Ottawa County Road Commission has agreed, at their cost, to clean the ditches along Quincy. Because of the many flooding and drain issues they are currently dealing with, they are requesting that the Township assist them by contacting residents along the area of Quincy (west of 160TH to Tall Grass) to inform them of the need for this work to improve drainage. The Township is being asked to inform individual property owners in this area that they will be invoiced for the cost of the culvert replacement and also be responsible for replacing the drive surface after the work is completed. Any trees in the right-of-way that need to be removed would be the financial responsibility of Park Township.

Recommendation: Request that the Ottawa County Road Commission clean the drains along Quincy west of 160TH to approximately Tall Grass. The Park Township Board would reimburse the Ottawa County Road Commission for the installation of new drain culverts across drives in the project area on Quincy and the removal of trees in the path of the roadside ditches. The Township will invoice the individual property owners for the cost of driveway culvert installation. Residents would be informed by the Township of their responsibility to resurface the drive entry where the drain work was performed and the new culvert installed.

3. Driesenga & Associates has determined that the water run-off from the Ottawa County Fairground is a major contributor of the flooding in the area of Post & Greenwood. This is identified as Study Area#5. Driesenga believes that the best short-term solution to this problem is to install a storm drain along Post from Greenwood draining towards Dyken St. extension. There are other more involved long-term solutions for other drainage issues in that general area that will involve the County Drain Commissioner and a Special Assessment District.

This short-term solution will take care of a significant portion of the water and will be an investment towards the long-term solution.

Recommendation: That the Park Township Board approve the recommendation of Driesenga & Associates in SA#5 (Post/Greenwood) and authorize the expenditure of an estimated \$70,000 for this drain project. Because Township property has been determined to be a major contributor to this flooding problem, the cost for this project will be the responsibility of Park Township. The Ottawa County Road Commission will be asked to consider sharing in the cost of this project.

drainagebdreport051409

DRAFT

Park Township Drainage Study Preliminary Design Estimate

By: Anne L.
 Date: 5/12/2009
 Project #: 0917038.1A

	Option #1	Option #2	Option #3	Option #4
Study Area #1	\$ 715,000.00	\$ 2,000,000.00	-	-
Study Area #7A	\$ 615,000.00	\$ 640,000.00	-	-
Study Area #2B	\$ 105,000.00	-	-	-
Study Area #3	\$ 680,000.00	\$ 530,000.00	\$ 865,000.00	-
Study Area #4	\$ 300,000.00	\$ 315,000.00	\$ 340,000.00	-
Study Area #5	\$ 70,000.00	\$ 225,000.00	-	-

- SA1, O1 No. 37 - remove upper drop at Riley
- SA1, O2 No. 37 - remove upper drop at Riley, storm sewer along roads from Pine Creek to Quincy
- SA2A, O1 Estate - ditch along Estate & Quincy, pump discharge
- SA2A, O2 Estate - ditch along Estate & Quincy, gravity storm sewer to 160th from SA1,O2
- SA2B, O1 Tallgrass - ditch along both roads discharge to ditch prepared by SA2A options
- SA3, O1 Riley - ditch along east end of Riley, drain down 160th to James to County Drain 23
- SA3, O2 Riley - ditch along east end of Riley, pump to No. 37
- SA3, O3 Riley - ditch along east end of Riley, gravity storm sewer to No. 37 from SA3,O2 option
- SA4, O1 168th - ditch along 168th, storm discharge to along 168th and Perry to Winstrom Creek
- SA4, O2 168th - ditch along 168th, pump discharge to along 168th and Perry to Winstrom Creek
- SA4, O3 168th - ditch along 168th, storm discharge cross country across conservatism property
- SA5, O1 Waukazoo - storm underdrain along Post from Greenwood dining towards Dyken St. extension
- SA5, O1 Waukazoo - storm from Post, along Greenwood and Seminole to existing at Dyken