CHARTER TOWNSHIP OF LYON
JOINT MEETING OF THE
BOARD OF TRUSTEES AND PLANNING COMMISSION
MEETING MINUTES
April 16, 2003

Approved by the Board as submitted June 2, 2003.
Approved by the Planning Commission as submitted June 9, 2003.

DATE: April 16, 2003
TIME: 6:00 PM
PLACE: 58000 Grand River

Call to Order: Supervisor Shigley called the Board to order at 6:07 PM.
Chairman Hemker called the Planning Commission to order at 6:07 PM.

Roll Call:

Present:
Joseph Shigley, Supervisor
Patricia Carcone, Treasurer
Pamela Johnson, Clerk
Steve Adams, Trustee
Ray Bisio, Trustee
Dan Cash, Trustee
Lannie Young, Trustee

Michael Barber, Vice Chair
Brent Hemker, Chairman
Laura James, Secretary
Ted Soper
Laura Williams

Absent: Richard Crook

Also Present:
Matt Quinn, Township Attorney
Chris Olson, Township Superintendent
Chris Doozan, Township Planner
Loren Crandell, Township Engineer

Guests: 5

1. PRESENTATION OF THE LYON TOWNSHIP STORM WATER MASTER PLAN:

Loren Crandell, Giffels-Webster, gave a history of how they compiled the information for the Township's Storm Water Master Plan. He introduced Michael Marks and Jason Mayer who will be assisting in the presentation this evening.

The Power Point presentation consisted of the following slides:

Lyon Township Storm Water Master Plan by Giffels-Webster Engineers

Lyon Township Storm Water Master Plan: Approach

A. Analysis of existing drainage system
B. Develop and evaluate storm water management approaches

C. Develop a plan for implementing the Storm Water Master Plan

Existing Conditions: Summary of Findings Existing Drainage System

- The existing drainage system is functioning quite well
    - Storm water modeling shows few structures within the 100 year floodplain
    - Review of records and interviews with Township officials revealed few serious problems

Existing Conditions: Flood Hazard Maps

- Compliance with FEMA Flood Insurance Program

Existing Conditions: Drain Inspection

- Regular inspection and maintenance of drains is recommended
    - County Inspections
    - Township Inspections

Existing Conditions: Existing Drainage Problems

- Intersections of Milford, Grand River and Pontiac Trail
    - Local flooding problem
    - Sewer to New Hudson Drain will help
- Vicinity of Brainer's Greenhouse
    - Fill has been placed north of the property
    - Drainage may not be engineered properly
    - Current site plan should be carefully reviewed
- Novi-Lyon Drain/Haas Lake Park
    - Undersized culverts
    - Walnut Hills Golf Course
    - Blackwood Drain
- Lyon Meadows
    - Potential Problem
    - Walkouts should be surveyed
- Orchards of Lyon
    - Detention Basin
    - 100 Year Overflow
    - Vet Clinic
    - Redesigned Basin
- Lyon Trails
    - Backyard Flooding
    - Downstream Wetlands
    - 50' Setback now required
- Lyon Industrial
    - Retention Basin infiltration problem
    - Association Problem
    - Chapter 18 Drain
- Griswold/10 Mile
    - Church and Funeral Home
    - Natural Low Area
    - No 100 year overflow

Storm Water Management Strategies "Do Nothing" Approach

- This strategy would result in increased flooding and then expensive drain enlargements
    - Future Land Use Maps
    - Development increases the runoff

Storm Water Management Strategies Improvements of Existing County Drains

Storm Water Management Strategies Regional Detention Basins

Storm Water Management Strategies On-Site Detention and Retention Basins

- Change allowable discharge rate of 0.1 cfs per acre for a 100 year storm
- Consider Chapter 18 drains for maintenance of on-site drainage systems

Storm Water Management Strategies Regulation of 100 Year Floodplain

Storm Water Management Strategies Storm Water Quality

- Continue the use of on-site storm water management basins
- Preserve natural features adjacent to county drains
- Soil erosion and sedimentation control
- Storm Water Pollution Prevention Initiatives

Lyon Township Storm Water Master Plan Implementation Plan

A. Resolve existing drainage problems
B. Flood Control Ordinance
C. Enforcement of Existing Regulations
D. Revise Engineering Design Standards
E. Consult with a Michigan Department of Environment Quality
F. Consider establishing Chapter 18 Drains
G. Inspection of County Drains
H. Storm Water Quality Issues
   - Continued use of storm water management basins
   - Maintain the existing natural features within and adjacent to county drains
   - Soil erosion and sedimentation control
   - Storm Water Pollution Prevention Initiatives
I. Planning Issues
   - Detention/Retention Basins
   - Public uses adjacent to county drains

There was discussion with regard to adoption of this. Mr. Quinn stated that would become part of the overall Master Plan. There was discussion with regard to any additional costs that would be incurred. There was also discussion with regard to Chapter 18 drains.

2. ADJOURNMENT:

Ms. Carcone made a motion to adjourn the meeting. Mr. Bisio supported the motion.

Voice Vote: Ayes: All
Nays: None

Motion approved. The meeting was adjourned at 7:47 PM.

Respectfully Submitted,

Deby Cothery

Pamela Johnson

Deby Cothery
Recording Secretary

Pamela Johnson
Township Clerk