



CITY OF NORTH RIDGEVILLE

**Engineering Department
Scott Wangler, P.E., City Engineer**

DRAINAGE AND FLOOD CONTROL BOARD

Tuesday, April 22, 2014

Meeting called to order by Assistant City Engineer Cathy Becker at 7:00 p.m.

In attendance were:

Ed Dunham	Safety Service Director Jeff Armbruster	
Malcolm Mahaffey	Dennis Boose	Bill Gardner
Gene Kleinholz	Mario Cipriano	James Erwin
Rosemary Berg	Jack Flick	Terrence Keenan
Assistant City Engineer Cathy Becker (Asst. City Engineer)		

Old Business

A. Minutes for January 28, 2014 Meeting

Assistant City Engineer Cathy Becker asked for a motion to approve the minutes from the January 28, 2014 meeting. Board Member Dennis Boose made a motion to approve the minutes. Board Member Mario Cipriano seconded the motion. The motion was unanimously approved.

New Business

Assistant City Engineer Cathy Becker discussed New Business Agenda Item A—EPA Phase II Storm Water Program Annual Report.

Assistant City Engineer Cathy Becker distributed the 2014 EPA Phase II Storm Water Program Annual Report and discussed the results of the report. She also explained that the 2013 storm sewer outfall sampling results showing high E Coli readings were forwarded to the Lorain County General Health District for followup because the outfalls are downstream of septic systems. There were two outfalls on Stoney Ridge Road and one on Avon Belden Road.

Board Member Dennis Boose suggested that the Public Education storm water reports to Council reach only 5 to 10 percent of the target audience. He also suggested that the Green Fest Celebration should be listed as Not Effective because it was cancelled due to lack of volunteers.

Board Member Gene Kleinholz asked if the high E Coli sampling results were all for outfalls on the same ditch—Lickorish Ditch, and Assistant City Engineer Cathy Becker said that they were.

Board Member Mario Cipriano questioned the procedures for sampling and Assistant City Engineer Cathy Becker explained that sampling is required by Ohio EPA each year.

Safety Service Director Jeff Armbruster questioned whether the Kensington Drive basin outfall was sampled, and Assistant City Engineer Cathy Becker stated that only ditch outfalls are mapped and screened and sampled. Safety Service Director Jeff Armbruster said that a new resident's complaint prompted an inspection of the basin with the Federal Soil and Water Agency. It was determined that the algae in the basin is fine and that the basin is environmentally sound.

Items from Committee Members:

Board Member Rosemary Berg stated that the Ridgeway Ditch was cleaned out several years ago on the west side of Race Road. She said that the removal of the vegetation during the ditch cleaning has caused the ditch banks to erode. This has been reported to the Service Department. Safety Service Director Jeff Armbruster stated that he thought that the other side of the ditch was cleaned out. Board Member Bill Gardner stated that in Vermont they replant the grass along the ditch after cleaning it. Safety Service Director Jeff Armbruster said that the city will take a look at the ditch, but they don't replant vegetation because they don't take out the roots during cleaning.

Board Member Gene Kleinholz questioned the size of the new culvert on Sugar Ridge Road over Cheeseman Ditch and Assistant City Engineer Cathy Becker stated that it was a 16-foot span culvert.

Board Member Bill Gardner asked how the drains under the Lexington Way pavement were functioning, and Safety Service Director Jeff Armbruster said that they were fine. He also said that the bridge roadway on Lexington Way over Ridgeway Ditch overtops during heavy storms. He said that the city is working with the owner of the horse farm next door to increase the size of his culvert. He said that the railroad bridge downstream is causing a dam for the Ridgeway Ditch, and Assistant City Engineer Cathy Becker showed the flood plain map of the area which shows that this is true. Safety Service Director Jeff Armbruster said that the Service Department is cleaning Chappell Ditch back to the Otten Road and Sandy Ridge Reservation area. He also said that Lake Ridge Academy had applied for a grant for stream restoration for Ridgeway Ditch through the Ohio EPA's Storm Water Improvement Fund (SWIF).

Board Member Ed Dunham asked if the ditches could be deepened to store more flood water, and Safety Service Director Jeff Armbruster said that basins are designed to store the water.

Board Member Gene Kleinholz asked if the Cheeseman Ditch near the Shady Drive Complex could be made into a storm water storage basin, and Safety Service Director Jeff Armbruster stated that that area is not in the scope of the flood study that was done.

Board Member Gene Kleinholz asked if the city had had discussions with the railroad about their bridge causing a dam for flood waters of Ridgeway Ditch, and Safety Service Director Jeff Armbruster said not at this point.

Board Member Dennis Boose asked about the status of the Center Ridge Road Widening detention basins. Assistant City Engineer Cathy Becker stated that the basin design has been reviewed by ODOT Central Office Hydraulics and is almost complete. Board Member Mario Cipriano asked what agency approves the plans, and Assistant City Engineer Cathy Becker said that ODOT and the City would review and approve the plans.

Board Member Bill Gardner asked about putting storm water storage basins in the Root Road and Sprague Road area. Assistant City Engineer Cathy Becker said that that area is a flood plain.

Board Member Gene Kleinholz asked about the volume of the proposed storm water storage basin north of Boulder Drive, and Safety Service Director Jeff Armbruster said that it was significant.

Councilperson Terrence Keenan asked about the review process for the Center Ridge Road detention basins. Assistant City Engineer Cathy Becker said that the city Engineering Department would review the design. Terrence Keenan and Board Member Dennis Boose stated that they thought the basin design should be reviewed to ensure that flooding is not a problem. Assistant City Engineer Cathy Becker agreed and also stated that there are very few areas to place the basins and most are already in a flood plain.

Assistant City Engineer Cathy Becker stated that the next meeting was scheduled for Tuesday, July 22, 2014 in the Conference Room.

Assistant City Engineer Cathy Becker adjourned the meeting at 7:54 p.m.

Respectfully Submitted,

Scott Wangler, P.E.
City Engineer

APPROVED: _____