



CITY OF NORTH RIDGEVILLE

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

DRAINAGE AND FLOOD CONTROL BOARD

Tuesday, April 28, 2015

Meeting called to order by City Engineer Scott Wangler at 7:03 p.m.

In attendance were:

Ed Dunham	Safety Service Director Jeff Armbruster	
Dennis Boose	Rosemary Berg	Bob Olesen
Gene Kleinholz	Jack Flick	Bernadine Butkowski
City Engineer Scott Wangler		
Assistant City Engineer Cathy Becker		
Michael Fitzpatrick		

Old Business

A. Minutes for October 28, 2014 Meeting

City Engineer Scott Wangler asked for a motion to approve the minutes from the January 27, 2015 meeting. Board Member Dennis Boose made a motion to approve the minutes. Board Member Bernadine Butkowski seconded the motion. The motion was unanimously approved.

New Business

A. City Engineer Scott Wangler discussed New Business Agenda Item A—EPA Phase II Storm Water Program Annual Report.

City Engineer Scott Wangler said that copies of the annual report were being distributed to the Board members and that the report is very similar from year to year. Board Member Dennis Boose stated that in the Public Participation section the report showed that Green Fest was not held this year, but the report stated that it is an effective practice. City Engineer Scott Wangler said that although there were no volunteers for the Green Fest, when it is held it is an effective practice. He said the Engineering Department wants to submit a positive report.

Assistant City Engineer Cathy Becker said that at this year's Pride Day there will be a stream cleanup around the South Central Park lake and the tributary of Robinson Ditch behind the Public Library and adjacent to the Middle School field. Volunteers are needed, and Board Member Dennis Boose volunteered to help with the cleanup.

Board Member Dennis Boose asked if the 2014 storm sewer outfall screening and sampling results were sent to the Lorain County General Health District yet, and Assistant City Engineer Cathy Becker said that they have been.

B. City Engineer Scott Wangler discussed New Business Agenda Item B—EPA Phase II Storm Water Program Outfall Sampling Results.

City Engineer Scott Wangler displayed the sampling summary report on the Smart Board. There were two outfalls that have excessive amounts of E coli—on Stoney Ridge Road near Sandy Ridge Drive at Lickorish Ditch and near Willow Brook Lane at Mills Creek. The information for both of these outfalls was sent to the Board of Health for tracing back to the nearby septic systems.

Board Member Bob Olesen asked how the illicit discharge is traced back to its source. City Engineer Scott Wangler said that the results are sent to the Lorain County General Health District, and they go out and trace the illicit discharge back to a failing septic system upstream. They check the septic systems in the area to determine if they are working properly.

Board Member Bernadine Butkowski asked if the complaint about sewage odors in the Avon Belden Road and Aurensen Road area had been investigated. City Engineer Scott Wangler said that it had, and that there was not a violation.

Board Member Dennis Boose asked if all eleven of the outfalls identified in this year's report as having E coli during dry weather flow would be investigated next year. Assistant City Engineer Cathy Becker said that the Cuyahoga County Board of Health does the investigation and usually does focus on outfalls that had E coli discharges the previous year. The Cuyahoga County Board of Health recommends that the city study the reports to determine if an outfall has an E coli discharge on a consistent basis for a period of three years or so. If so, the city should focus on eliminating the source of that illicit discharge.

Board Member Bernadine Butkowski asked about the location of the Mills Creek storm outfall with the illicit discharge and the possible source of the discharge. City Engineer Scott Wangler also said that E Coli discharges can be the result of pet waste or agricultural processes. Assistant City Engineer Cathy Becker said that they may also be from an illegal sanitary sewer connection to a storm sewer.

Items from Committee Members:

Board Member Gene Kleinholz asked if there was a storm water plan he could review for the proposed Cross Creek Subdivision near Aurensen Road. City Engineer Scott Wangler said that the city had not received detail plans yet, but we do have the preliminary plan. Board Member Jack Flick asked if there would be a retention basin, and City Engineer Scott Wangler said yes. The developer has also been told to stay out of the 100-year flood plain, and the plan will be scrutinized carefully. Board Member Gene Kleinholz said that the preliminary plan showed a long narrow basin on the west side of the site, and City Engineer Scott Wangler verified that this is what they had proposed but the city does not have details yet. One of the Board members mentioned that there is storm water runoff from the Ohio Turnpike, and Safety Service Director Jeff Armbruster said that the developer will not be responsible to address the Ohio Turnpike storm water runoff. City Engineer Scott Wangler and Safety Service Director Jeff Armbruster mentioned that the city is applying for a grant from the Ohio Turnpike to abate storm water runoff from the Turnpike.

Board Member Gene Kleinholz suggested that the city should determine targeted areas for placing storm water storage basins in the city.

Board Member Bernadine Butkowski stated that there is a property owner with land north of Aurensen at the west end that would be willing to have it used for storm water storage purposes. This property was the site of the former Aurensen sewage plant. It is less than five acres. Safety Service Director Jeff Armbruster said that until the storm water utility becomes effective there is no money to purchase property.

Board Member Ed Dunham said that he has had repeated basement flooding at his home on Chesterfield Drive since 1976. In May of last year he had 5.5 inches of water. City Engineer Scott Wangler said that this would be from sanitary sewer backup since the flow comes from the basement floor drain. It is not related to storm water, and storm water storage basins will not help solve his flooding. He discussed the use of a \$20 inflatable drain plug, and Board Member Ed Dunham said that he has used one in the past but he thought they were illegal. Safety Service Director Jeff Armbruster and City Engineer Scott Wangler stated that they are not illegal. Board Member Dennis Boose and Safety Service Director Jeff Armbruster suggested and agreed that the city would come out and take a look at his issues. Safety Service Director Jeff Armbruster said that the city is also taking steps to eliminate sanitary sewage backup into basements. Sanitary sewer are being repaired to eliminate infiltration and inflow, and a proposed equalization basin to detain sanitary flows is being studied.

Board Member Dennis Boose asked about the possibility of expanding the three existing basins near the electric transmission lines upstream of Dorchester Ave. Assistant City Engineer Cathy Becker said that five years or more ago the city had asked First Energy for permission to expand the basins on their property or easement, and they denied the request. Safety Service Director Jeff Armbruster suggested that the city should check into this some more.

Board Member Dennis Boose asked for an update on the storm water utility. City Engineer Scott Wangler said that a purchase order was written, and Safety Service Director Jeff Armbruster said that the project cannot begin until BANS are issued. Board Member Dennis Boose asked how long it would take to institute the utility, and City Engineer Scott Wangler and Safety Service Director Jeff Armbruster said that it would be about a year or more. There was a general discussion of credits for existing detention systems. Board Member Rosemary Berg said that soil type would also affect retention—sand or clay. Safety Service Director Jeff Armbruster said that the city wants to do a careful study to set up the utility. The City of Elyria still has not implemented their program.

Board Member Dennis Boose asked if City Engineer Scott Wangler could provide feedback at the next meeting on current storm water control projects. City Engineer Scott Wangler said that he could provide feedback on the Dixon Ditch weir modification and the Ohio Turnpike storm water grant request.

There was a general discussion about the status of removing an existing bridge from the Ridgeway Ditch near Board Member Rosemary Berg's property.

City Engineer Scott Wangler stated that the next meeting was scheduled for Tuesday, July 28, 2015 in the Conference Room.

City Engineer Scott Wangler adjourned the meeting at 7:43 p.m.

Respectfully Submitted,

Scott Wangler, P.E.
City Engineer

APPROVED: _____