



# ***CITY OF NORTH RIDGEVILLE***

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

## **DRAINAGE AND FLOOD CONTROL BOARD**

**Tuesday, October 28, 2014**

Meeting called to order by City Engineer Scott Wangler at 7:00 p.m.

In attendance were:

Ed Dunham	Safety Service Director	Jeff Armbruster
Dennis Boose	Mario Cipriano	James Erwin
Gene Kleinholz	Jack Flick	Terrence Keenan
Rosemary Berg	Bernadine Butkowski	Richard Gaul
City Engineer Scott Wangler	Michael Fitzpatrick	
Assistant City Engineer Cathy Becker		

### **Old Business**

#### **A. Minutes for July 22, 2014 Meeting**

City Engineer Scott Wangler asked for a motion to approve the minutes from the July 22, 2014 meeting. Board Member Dennis Boose made a motion to approve the minutes. Board Member Ed Dunham seconded the motion. The motion was unanimously approved.

### **New Business**

#### **City Engineer Scott Wangler discussed New Business Agenda Item A—Marc's Detention Basin Cleaning.**

City Engineer Scott Wangler showed a photo of the recent basin cleaning and stated that this basin had been on the Engineering Department's radar for a long time for cleaning. A lot of progress has been made, but the basin still needs to be seeded and mulched. He had heard that years ago someone was mowing the basin, the mower overturned, and the person mowing was killed. Since then no one has been mowing the basin. After 20 years of not being mowed, the basin was filled with trees and other vegetation. The Marc's shopping center owner has done a good job of cleaning out the basin. This project is considered a success for the Engineering Department.

Board Member Dennis Boose asked how storm water enters the basin, and City Engineer Scott Wangler explained that the parking lot catch basins pick up the flow and direct it to the basin. The basin outlet structure is at the northwest corner of the basin.

Board Member Bernadine Butkowski asked about the condition of the outlet structure. City Engineer Scott Wangler stated that the Engineering Department had the property owner clear the obstructions from the outlet structure a few years ago, and it is in good condition. The tree removal was the second item that needed to be taken care of.

Board Member Dennis Boose asked about the capacity of the basin, and City Engineer Scott Wangler said that information was not available. It was the goal to restore the existing capacity of the basin and a capacity calculation was not done.

Board Member Mario Cipriano asked if there was more capacity in the basin now that the trees had been removed, and City Engineer Scott Wangler said that there was.

### **City Engineer Scott Wangler discussed New Business Agenda Item B—Proposed Storm Water Utility.**

City Engineer Scott Wangler explained that the engineering firms GPD and Bramhall Engineering & Surveying had just begun the study to define the city's needs and an equitable collection method. Properties with large impervious parking areas will be billed more than other properties.

Board Member Dennis Boose asked when the study would be done, and Safety Service Director Jeff Armbruster said that it would be done before appropriations in March.

Councilperson Terry Keenan asked if the utility would apply to the entire city, and City Engineer Scott Wangler said yes. Councilperson Terry Keenan said that he felt that a conversation should be had about giving credits to parcels that already had storm water storage basins because they were already contributing to flood control. Safety Service Director Jeff Armbruster said that there will be credits. There was also a discussion about credits for putting in pervious areas.

Board Member Dennis Boose asked if homeowners' associations would be given credits for their basins, and City Engineer Scott Wangler said that he wasn't sure at this point.

Councilperson Terry Keenan also asked if the homeowners' associations would be acknowledged for already having basins.

Board Member Dennis Boose asked if commercial properties would be given credits for flood control devices on their properties, and City Engineer Scott Wangler said that these issues would all be a part of the study that URS is performing and that is why the study is so involved.

Board Member Mario Cipriano asked if there were other storm water utilities in Ohio, and City Engineer Scott Wangler said there were. He said that the City of Elyria took three years to establish theirs. North Ridgeville has already had some legwork done as part of the Bramhall Engineering French Creek flood study.

Safety Service Director Jeff Armbruster said that the city has been cleaning ditches for years and has already installed additional flood storage capacity in the Highland basin.

Board Member Dennis Boose suggested that the homeowners' associations should be contacted to determine how much money they are already spending on basin maintenance and they should get credit for this.

Board Member Ed Dunham asked if there were federal dollars available for help with the storm water utility, and City Engineer Scott Wangler said yes.

Safety Service Director Jeff Armbruster said that City Engineer Scott Wangler calculated that 2.6 billion gallons of water fell in the May 12, 2014 storm, and the West Point basin is not nearly large enough to hold that much water.

Board Member Ed Dunham said he has lived in the city 38 years and has had flooding for that entire time.

Board Member Bernadine Butkowski stated that the city ordinances require large parking areas for commercial sites and that is why the Marc's shopping center may have such a large parking lot.

Councilperson Terry Keenan said that the storm water utility proposed by the Northeast Ohio Regional Sewer District was being contested in court. Safety Service Director Jeff Armbruster said that the utility was crossing political boundaries and that won't happen with the North Ridgeville proposed utility.

**City Engineer Scott Wangler discussed New Business Agenda Item C—Center Ridge Rd. Widening Detention Basins.**

City Engineer Scott Wangler said that ODOT was designing the basins per their standards but the city standards were more stringent. The city requested that ODOT enlarge the basins, and the city paid a small fee to have this design work done. He showed diagrams of the four basins proposed—near First Merit Bank, Root Road, Jaycox Road and Lear Nagle Road. The total storage capacity is 1.1 million gallons.

Councilperson Terry Keenan asked if the basins would hold just water from Center Ridge Road, and City Engineer Scott Wangler said yes.

Board Member Mario Cipriano asked if the 2.6 billion gallons of storm water from the May 12 storm would fit in these basins, and City Engineer Scott Wangler said that was not possible.

Councilperson Terry Keenan suggested that a conversion of the 2.6 billion gallons into acre-feet would be interesting.

Board member Gene Kleinholz asked if the city was pursuing storage by the Turnpike for the Turnpike's third lane widening, and City Engineer Scott Wangler said yes.

**Items from Committee Members:**

Board Member Rosemary Berg thanked Safety Service Director Jeff Armbruster for cleaning out the ditch on the west side of Race Road by her daughter-in-law's property.

Board Member Dennis Boose asked for an update on the city's overall storm water plan. City Engineer Scott Wangler said that the lower budget items are in play, but the larger budget items will need to wait for funding from the storm water utility. The West Point Dixon Ditch weir has been studied by Bramhall Engineering to determine if it will still be structurally stable if the restrictor is modified. The study has been completed, and the weir will be stable and will not overturn due to the additional water forces on it.

Board Member Mario Cipriano asked if the construction budget for the overall storm water plan is the same, and City Engineer Scott Wangler said yes.

Safety Service Director Jeff Armbruster said that the city is working with the developer for the property north of Boulder Drive to have the proposed retention basin installed on the developer's property. The developer is cooperating with the city.

Board Member Gene Kleinholz asked if the city is still working on the proposed sanitary sewer equalization basin on the school's property, and City Engineer Scott Wangler said yes. Safety Service Director Jeff Armbruster said the study is expected to be completed in January.

Board Member Gene Kleinholz asked if the basin at All Secure Storage is the most eastern basin in the city, and Safety Service Director Jeff Armbruster said it was. Gene Kleinholz stated that the North Olmsted Service Director said that North Olmsted has no storm water storage basins west of Stearns Road.

Board Member Gene Kleinholz said that he felt the Lorain County Metroparks needs to put more parks in the City of North Ridgeville.

Board Member Dennis Boose asked City Engineer Scott Wangler what suggestions he would like from the Board. City Engineer Scott Wangler said that he appreciates the Board's ideas and suggestions. Board Member Jack Flick said that he wants to be educated on the storm water utility issue for such items as residential versus commercial. Safety Service Director Jeff Armbruster said that the square footage of impervious areas will be taken into consideration to determine the fees.

Board Member Mario Cipriano asked for a timeline on the development of the storm water utility. Safety Service Director Jeff Armbruster said that it will go to City Council in 2015 for approval. He said that URS and Bramhall Engineering and attorneys are working on the study now and will present it to City Council. There will probably be an ordinance to adopt the utility. The study is expected to be completed in March of 2015. Board Member Mario Cipriano said the he wants the utility to be based on good models done in other cities where there have been no lawsuits. Safety Service Director Jeff Armbruster agreed, and he said that the average fee in Ohio cities is \$4.50 to \$5.00 per month for residential properties.

Safety Service Director Jeff Armbruster said that the funds generated from the storm water utility can only be used for storm water related work.

Councilperson Terry Keenan said that the sanitary sewer monthly charge was increased without a vote by the residents. He said that the storm water utility will be established in a different manner possibly requiring legislation. Safety Service Director Jeff Armbruster said that there will not be a vote required to establish the storm water utility.

Board Member Gene Kleinholz displayed ODNR's coast maps for the other board members.

Resident Richard Gaul asked when the Service Department would finish their construction work in his rear yard at 6507 Hersey Circle. A two-foot high mound of dirt was left in his yard six months ago. Safety Service Director Jeff Armbruster said that they would get back to that work right away. Board Member Dennis Boose asked that the city look at it tomorrow.

City Engineer Scott Wangler stated that the next meeting was scheduled for Tuesday, January 27, 2015 in the Conference Room.

City Engineer Scott Wangler adjourned the meeting at 7:56 p.m.

Respectfully Submitted,

Scott Wangler, P.E.  
City Engineer

APPROVED: \_\_\_\_\_