

STORM WATER COMMITTEE MINUTES

MAY 5, 2015

The Storm Water Committee meeting was held on May 5, 2015 at North Royalton City Hall, 14600 State Road. The meeting was called to order at 6:10 p.m.

PRESENT: Committee Members: Chair Steve Muller, Vice Chair John Nickell, Dan Langshaw; Council: Larry Antoskiewicz, Dan Kasaris, Paul Marnecheck, Gary Petrusky; Administration: Mayor Robert Stefanik, Service Director Nick Cinquepalmi, City Engineer Mark Schmitzer; Other: John Jencson, Terri Long, Alan Long.

APPROVAL OF MINUTES

Moved by Mr. Nickell, seconded by Mr. Langshaw to **approve the April 7, 2015 minutes.** Yeas: 3. Nays: 0.
Motion carried.

UNFINISHED BUSINESS

1. Storm Water/Infrastructure Maintenance Monthly Report

Mr. Cinquepalmi reviewed the report, a copy of which is attached to these minutes. Mr. Kasaris asked about the storm water issue on Beckenham. Mr. Cinquepalmi said that they just found out about this yesterday. He said the line was originally tested and the lines are all plastic, so there were no cracks or leaks, but something still caused the grass and soil to sink around the manhole. He said they went inside the manhole and where the pipe enters the concrete casting it was not properly mortared and there was a gap at the bottom. He said they are going to attempt to fix this tomorrow from inside the manhole because digging from the outside would be a much bigger project. Mr. Petrusky asked Mr. Cinquepalmi to elaborate on the work being done on James Drive. Mr. Cinquepalmi said that during the May 12, 2014 storm part of a headwall became dislodged at the end of the pipe. He said there was no damage to the actual headwall, but it tumbled downstream and was unsightly. He said the concrete piece weighed about 4,000-5,000 lbs. and they had no way of removing it so we made rip rap out of it right in the creek with jack hammers. We lined the rip rap along the creek and now we have some erosion control. Mr. Cinquepalmi said that the storm water crew is currently working on the new playground site by installing the base, foundation and the drainage and will tie it into the new lines that they installed last summer.

2. 2015 Projects/Ohio Emergency Management Projects

Mr. Schmitzer said that the long drainage channel project off of Wildwood has been completed by the sewer district. He said that the Razicks's Lake project has been put on hold temporarily due to unfavorable and unstable ground conditions in which to operate the equipment. He said they will start again in June, weather permitting. He said that we received an extension on all of the projects granted to us from EMA, with plans to wrap everything up by November 2015. Mr. Schmitzer said that in the past they have found sheets of plywood placed over the drains so that it would function more as a pond and not drain. He said that these drains need to remain open so that the basin will function as it was designed. It will have more of a dry basin look. Mr. Nickell asked if this is something the city will keep an eye on so it doesn't happen in the future. Mr. Schmitzer said yes. Mr. Langshaw asked how many projects are still unfinished. Mr. Schmitzer said we were granted an extension on 8 projects and these are being actively worked on. Mr. Kasaris asked if Cady Road was involved in the EMA projects or did we take care of that last year. Mr. Schmitzer said there was some erosion in the ditches but he does not believe that it qualified under the EMA guidelines for restoration work. Mr. Kasaris said that he has noticed that in some places the road is starting to crack and split and asked if this is being addressed. Mr. Schmitzer said that they saw this when they made a site visit with the sewer district. He said that it looks like a slope failure adjacent to the road on the south side. Mr. Kasaris asked if there is anything that can be done. Mr. Schmitzer said it would probably be cost prohibitive at this time. There is a channel 30-40 feet down that is narrow and this is the area where the resident cut down a lot of trees so any footing that the slope held to is losing its bearing down at the bottom. He said that he does not know what can be done to fix this. Mr. Kasaris asked if we will have an issue with this down the road. Mr. Schmitzer said that it could possibly be a big issue in this area. Mr. Kasaris asked if there is any way to stabilize this. Mr. Schmitzer said that we would have to hire

a consultant to do a geo-technical review on this. Mr. Schmitzer said that they will continue to keep an eye on this area.

Mr. Schmitzer said there are two other projects on Bunker Road that that the Sewer District is working on. We have discussed this with the residents to get right of entry onto their properties because there is no easement. He said we have right of entry secured on the south side of the road; we do not have right of entry yet from the homeowners on the north side of the street. They want to see the plans from the sewer district before they sign off on any right of entry into the project area. The sewer district is still working on the plans and he should have something from them in the next week or two and he will then talk to the homeowners about this. He said these projects have the longest time frame and are scheduled for bid and construction in August and September. He said that they have solicited costs from 5 contractors for two other projects on the list; Kingston Way and Elmwood Oval. He said that only Fabrizi Trucking and Paving submitted a quote. He said Kingston Way came in at \$47,750 and Elmwood Oval came in at \$32,000. These are both under what we estimated to OEM. Mr. Schmitzer passed around photos showing what the boulders would look like for Kingston Way. These pictures are from the Black River in Elyria that he spoke about at a previous meeting. He said that most of the boulders will be one to two ton boulders and we have estimated 800 tons for this project. This means that we are looking at about 400 large 3 foot diameter rocks going in. He said the plan is to excavate and remove most of the existing slabs and the material on the side of the creek for 200 feet on both sides starting at the outlet and going 200 feet downstream on both sides. This will make room to place these boulders along the sides and meet the existing concrete that is there. Before they do this, they will wrap fabric on the back side to help keep erosion down, so when the stones are put in they will be able to put smaller stones in-between and lock in that fabric so there is no erosion on the back side. He said that they plan on breaking up the bigger road slabs that are there and jockeying them around to lock them in better so that they won't float up like they have done in the past. By doing this, along with the material that we removed to place the boulders, we will be able to extend this project another 100-150 feet downstream to prevent further erosion. Mr. Schmitzer said that this work will take two weeks to complete. It is estimated to start within the next one to two weeks. Mr. Muller asked if they intend to widen the channel from the outlet. Mr. Schmitzer said no, they are not going to excavate into the shale bank. They are going to remove the rocks that were placed up against the shale bank and the slabs so that they have room for the boulders in place. Mr. Nickell asked for an explanation of the Elmwood Oval Project. Mr. Schmitzer said that he met with the contractor about Elmwood Oval this afternoon. He said that we have seen some further erosion that wasn't there before and it has caused us to rethink the plan for this project and said that they have met with the homeowner. He said we always knew that we wanted to put in gabion baskets along the side, but they may not be the best solution with the angle of the pipe. We are looking at putting some boulders in here as well and getting fill dirt on the back side to create an angled channel.

Mr. Schmitzer gave an update on the Lynn Hawley Delsy project. He said they are preparing the plans to go out to bid and it is estimated to be about \$175,000 in construction. He said it's a dredge of the whole channel to get it flowing again. He said as they clean it, side slopes will loosen. Where this happens we will put in stone to anchor it back in. He said there is a pipe at the end of Lynn that outlets from the street and it is almost completely buried and this will be cleaned up. He said there are a couple of 90° bends that they would like to put gabion or rock protection on the corners. Mr. Nickell said another concern is at the top of Hawley where it has a 20 foot drop and where it is eroding the yards away. Mr. Schmitzer said that this will be a gabion basket job similar to what was done on Boston Road. Mr. Nickell asked about the area from York to Delsy. Mr. Schmitzer said that it was not included in the project scope, but we can certainly ask for a price to see if it will come in under the budget. Mr. Nickell said that this area should be addressed.

Mr. Schmitzer updated the committee on Cedar Estates. He said that it is wrapping up. He said that they have been talking with residents and keeping them updated. He said that the second phase of this project received some comments from the Ohio EPA on our permit application. They wanted to see some planting plans because we are doing wetland mitigation onsite. This was submitted two weeks ago, so we are

already under the 45 day clock. This puts us at mid June that we will have the permit issued to us. We will bid this project in July, award the project and hopefully start construction in early August, with the plantings being done in September. He said that we will put some contingencies in the project if the money is available to have some additional buffering of pine trees to make it look more attractive.

Mr. Schmitzer said that he received a plan from the Cuyahoga County Soil and Water Conservation District with their recommendations for improvements to both the Jenscon and Long properties based on the grant guidelines. There are 3 levels of improvements: the low erosion level is cutting the slope back away from the house to allow the land to lay back flatter so that it does not erode; the second erosion level would be to get as close to a 3 to 1 slope as possible with some plantings; and the highest erosion level calls for hard armor at the house such as gabion baskets, rip rap, things of this nature. Mr. Schmitzer said that he is reviewing these recommendations to see if he thinks they will work or not. He will provide his comments back to Soil and Water and they will then come up with a final plan. He said that if there is anything else that the city would like to do beyond this plan, it will be completely at the city's cost and is something that the administration would have to discuss. He said that hard armoring is unlikely throughout the whole area because of the guidelines and the sensitive nature of the stream, but it's not completely out of the question, it's just not covered under the grant. The grant is covering an improvement to both properties at 100%. There is no cost to anyone. He said that he will be contacting the residents in the next one or two weeks to meet and discuss the plan and get feedback so that we can finalize the plan and get started on this. He felt that we should be able to get this completed by July or August.

John Jenscon, 9610 Tilby Road, addressed the committee. He said he is concerned about having to remove additional trees and he said that he has power running back to his shed and asked if he would be responsible for rerouting this. Mr. Schmitzer said that the preliminary plans appears to show that on the east side of Mr. Jenscon's house is the area where they are looking to lay back the slope. Mr. Jenscon asked Mr. Schmitzer to please stop by his property to discuss this further before the plan is finalized. Mr. Schmitzer said he would. Mr. Jenscon said he is concerned about having to relocate the bridge he currently has. Mr. Schmitzer said that the bridge is completely Mr. Jenscon's responsibility. The work will be done on either side of the bridge; we won't be doing anything to the bridge. Mr. Jenscon asked if they are going to leave the "s" curve there. Mr. Schmitzer said that there are no plans to rechannelize the stream whatsoever. Mr. Jenscon said that the water slams right into the beginning of the "s" curve and you can see where half of his bridge is not on dirt anymore because of erosion. He said we need to do something there to stop the erosion. Mr. Schmitzer said that the bridge is an impediment to the flow of the stream. He said that we are not going to replace the bridge. Mr. Jenscon said he knows this and said that he will relocate the bridge and power but he needs to see the plan first. Mr. Schmitzer said that he cannot rechannelize the stream. He cannot change the direction of flow and straighten out the "s" curve without going through the Army Corp of Engineers and getting a complete permit for this. This is not within the grant guidelines and is not what we anticipated. Mr. Schmitzer said that he will set up a time to meet with the residents once a plan has been submitted.

3. **Turnpike Mitigation**

No update on the grant. Mayor Stefanik said that a Turnpike representative met with our Service Department for other issues around North Akins and York and Rt. 82. They are going to clean out these areas. They will also be cleaning out some areas over by York Field.

NEW BUSINESS

No new business.

ADJOURNMENT

Moved by Mr. Langshaw, seconded by Mr. Nickell **to adjourn the May 5, 2015 meeting.** Yeas: 3. Nays: 0.
Motion carried. Meeting adjourned at 6:50 p.m.