

STORM WATER COMMITTEE MINUTES

JUNE 2, 2015

The Storm Water Committee meeting was held on June 2, 2015 at North Royalton City Hall, 14600 State Road. The meeting was called to order at 6:07 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: Louis Krzepina, Annette Jencson, Terri Long, Alan Long, Margaret Pafford, Cole Nicholas, Antoinette D'Ambrosio, Cole Nicholas.

APPROVAL OF MINUTES

Moved by Mr. Langshaw, seconded by Mr. Nickell to **approve the May 5, 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. He said that they have been working around the clock since Saturday night and everything has been cleaned up and is back to normal. Mr. Muller asked if there is a recap from the weekend. Mayor Stefanik said that beginning Saturday afternoon to early Sunday morning, there was a little over 4 inches of rain that fell. He said that the Service Department had 98 hours of overtime. We called everyone in early before the worst of it came in order to prepare the streets, hills, valleys, creek and culverts. He said they worked through midnight along with the wastewater department who worked 78 hours of overtime over the same period. He said that we take a very proactive approach when a storm is coming; we get people in early and make sure everything is open and flowing, and we rotate to all of the pinch points that we have to make sure they are open. He said that on Sunday they started some clean up on some of the worst areas. There was a lot of debris on North Akins and Chelsea Court. He said that Oakbrook Condominiums had an issue with a storm sewer installed by the apartment owners next door so a meeting has been set up with owners. He said it is a private property issue but we did give technical support when they were putting in the new storm sewer grate. He said there was also a small issue on Apollo Drive where a couple of homes got 2-3 inches of water in their basement. NEORS is coming out tomorrow at 1:00 p.m. to do an assessment of the basin and other basins in the area. He said that since this is on the border we will have Broadview Hts. look at this as well and give us a report and recommendations. Mayor Stefanik thanked everyone in the Service Department, Wastewater Department, Police and Fire for their efforts. He said everyone went above and beyond to keep everything running smoothly. He said that for 4 inches of rain we fared very well but we still have pockets in the city where we have problems and we will continue to work on these. He said we did some work in back yards on York Road near Tilby and he said that he got a call from the residents saying that everything is flowing perfectly and the water did not jump the bank. He said there were no issues at Cedarwood Estates where we just finished up a project. He said we have made a lot of progress in the last 7 years but we know there is still more work to be done and we are committed to get this work done and to stay on top of the situation.

2. 2015 Projects/Ohio Emergency Management Projects

Mayor Stefanik said that he contacted the sewer district last week regarding the two projects on Bunker Road between Ridge and State Roads. The projects are 90% designed at this point and they anticipate beginning these projects in July. The dredging of the manmade channel on Wildwood has been completed. He said that we have looked at it and it looks fantastic. It handled all of the water from this weekend's storm. He said that the dredging of Razick's Lake was started in May but some equipment got stuck so they are going to wait and finish the project in June-July. Mayor Stefanik said that the resident whose property the retention basin/lake is on blocked it off with a piece of plywood. We have removed that and will not allow it to be replaced, so this will help. He said the dredging of tons and tons of silt out of this lake is what will make the difference. He said that the Boston Road project was done in-house and has been completed. It too looks fantastic and held strong during this last storm. The Chesapeake Drive issues

with the earthen dam that we had to reconstruct is now finished. Mayor Stefanik said that we are expecting reimbursement for all of these finished projects. Mayor Stefanik asked Mr. Schmitzer to update Council on the 3 remaining unfinished projects.

Mr. Schmitzer said that we are entering into a contract with Fabrizi Trucking and Paving for the Kingston Way project. He said that he met with Mrs. Pafford and some of the other neighbors last week to discuss the scope of work with them. He had representatives from Fabrizi available to answer questions as well. He said that through discussions and seeing further erosion that has happened downstream we modified some things on the project to better fit long term maintenance needs and to shore up areas where we can see that it wants to keep bouncing back and forth. He said we asked Fabrizi to go back to the drawing board based on discussions we had with the neighbors to see if they could fit this revised scope of work within the budget we wanted and they did. We will be using 2 ton boulders and they will be placed in a jig saw puzzle formation so that they will interlock amongst each other. He said that they will utilize some of the concrete panels that are there, break them up and use them to fill in the voids that have eroded away along the banks and then place boulders in front of these with earth on top so that residents will regain their land and we will have a more uniform channel. He said they also added some energy dissipaters. These are basically a concrete block poured into the pad so that the water bounces back and forth and slows down before it starts to erode outside of the concrete. There will be 7 16" x 16" x 16" concrete cubes placed on the pads strategically and anchored into the existing concrete pad that is about 12" thick already. This will allow us to control the erosion and velocity of the water after it hits these dissipaters coming out on top of the boulders. This should slow this down and cause the erosion to dissipate and result in a more gentle flowing creek. He said we will be meeting with Fabrizi next week to find out what their schedule will be, but they said it will take about 1-2 weeks to get this done. He said that he hopes that by the next meeting this will be completed.

Mr. Schmitzer said that he received a call from a resident on Elmwood Oval to say that whatever we have done in the last few months has worked because they didn't have any spill over or flooding through the cul de sac during the weekend storm. He said that was good to hear, but we still want to shore up the outlet pipe that is coming from York Road that causes erosion downstream and blocks the pipe. He said this is also being handled by Fabrizi. Mr. Nickell asked if they will be putting something at the bottom of the pipe. Mr. Schmitzer said that they are putting in a 45 or 22.5 degree bend and adding a pipe and diverting it down and placing a lot of large rip rap stone there. This will stop the water from just shooting out into midair. He said they will bring in fill where the bank has been eroding and line it with rock the whole way so they can control where the water is going and slow it down.

Mr. Schmitzer reported on the Lynn/Hawley/Delsy project. He said they are finalizing what they want to ask the bidders to do in this area. He said that he has made sure that he has included all the way up to York Road. He said that we should be able to get this and the rest of the OEM projects done by September. Mr. Nickell said that he only had two call this weekend from people who had water in their basement. They were towards the bottom of Lynn Drive. He thinks that one of the culvert pipes that comes from Hawley is supercharged and causes the water backup due to the drains being unable to handle the water. He asked if they are going to lower the pipe and then put a bend in there as well. Mr. Schmitzer said yes, they plan on deflecting the outlet downstream so that it creates a vacuum when the water flows by it. He said that another item to be included in the project scope is at the street where the sewers are picking up and going out to the creek. Mr. Nickell said that the house at the end on the left has two issues; they have water in the basement which he thinks is because of the footer drains, but water in their garage drain repeatedly went up and down while it was raining during this last storm. Mr. Nickell also asked that the area at the end of Lynn Drive be investigated to see if there is something covering the end of the culvert pipe and not allowing it to drain. Mr. Schmitzer asked for an Action Requisition Form on this so that he can look into it further.

Mr. Muller asked what happens if we exceed the money that OEM has provided on these projects. Mr. Schmitzer said that we would be responsible for any additional costs, but we are working with OEM to

allow us to combine multiple projects and utilize money from other projects. At the end of the day, anything above the grant will be our responsibility but we are actually under budget at this time.

Mr. Antoskiewicz asked for an update on Cedar Estates. Mr. Schmitzer said that we still have items left on the punch list. He said that everything functioned during the last storm as it was designed to do. He said that we are reviewing the as-builts from the contractor to make sure there are no discrepancies. We will then walk the site, do the final punch list and get these items taken care of before we release any final payments or retainers. Mr. Antoskiewicz asked where we stand on the retention phase of the project. Mayor Stefanik said this will be addressed during the Streets Committee meeting later this evening.

Mr. Schmitzer said he is scheduled to meet with Mr. and Mrs. Long and Mrs. and Mrs. Jencson and the Soil and Water representatives this Friday afternoon to go over the scope of the project and then from there finalize the plan, go out to bid and get this project completed and paid for with the grant. Mr. Nickell said that he has had no complaints about any aspects of the project and he is pleased with the results.

Margaret Pafford addressed Council. She said that she has met with Mr. Schmitzer and Fabrizi and have gone over the plans and scope for this project. She said with the last rain some of the concrete slabs went vertical again so she asked that if this project is expected to be delayed in any way that arrangements be made for someone to come out and adjust the slabs. She wants to ensure as well that any metal rods in the slabs be removed prior to them being broken up for fill. Mr. Schmitzer said that Fabrizi will be cutting all the metal out of the concrete so that there are no jagged pieces sticking up at all. He said that we will make sure this is completed in order to make this site as safe as possible. Mrs. Pafford said that since this is the second time around for this problem, she wants assurances that if there are issues after this job is done that this will be reassessed. Mayor Stefanik said that the city has been responsive to this matter and plans for that to continue.

3. **Turnpike Mitigation**

Mayor Stefanik said that he would provide Council with a copy of an email he received today from the Turnpike. He said that the 50% requirement for the noise walls has been met and therefore won't be an issue. He said that the Turnpike is planning to bid this out in 2016 and completed in 2017. This is for the noise wall work. Mr. Antoskiewicz said that a resident on the corner of South Gateway and North Akins was very active and went out and had a lot of petitions signed stating that they wanted the noise walls. He wanted to thank her for her efforts. Mayor Stefanik said that we also received another grant in the amount of \$145,000 for some drainage work around the Turnpike/York Road area. He said that he will send this information to Council. This will also include some work at York Road Field and on Rt. 82 west of the Turnpike bridge. Further details will be provided as they are received.

NEW BUSINESS

No new business.

ADJOURNMENT

Moved by Mr. Langshaw, seconded by Mr. Muller to adjourn the June 2, 2015 meeting. Yeas: 3. Nays: 0.
Motion carried. Meeting adjourned at 6:31 p.m.

Storm Department Monthly Report – May 2015

May 1 st	<u>Memorial park-</u>	Trenched and installed 4'' perforated drain pipe at playground Covered 4'' pipe with clean #57 limestone
May 4 th	<u>Memorial park-</u>	Installed 85' of 6'' drain pipe with a yard drain connected to 12' storm drain. Installed a layer of geo fabric and covered with stone.
May 5 th	<u>Memorial park-</u>	Excavated and installed 125 of 4'' perforated pipe and connected into 12'' storm drain. Installed a layer of geo fabric and covered in stone.
	<u>8310 hunting Dr-</u>	Televised storm main 100' in both directions found no issues With the pipe.
	<u>11973 Beckenham-</u>	Flooded sinkhole located leak at the connection of 12'' plastic pipe Into the concrete manhole casting.
May 6 th	<u>11973 Beckenham-</u>	Repaired leaky connection from inside manhole drilled holes thru 12'' plastic pipe filled with waterproof blow foam and made a seal between the plastic pipe and concrete casting.
	<u>Memorial park-</u>	Installed a layer of geo fabric and covering in a layer of stone to grade Hauling in clay dirt and grading around the perimeter of playground.
May 7 th	<u>Memorial park-</u>	Installing a layer of geo fabric and covering in a layer of stone to grade Hauling in clay dirt and grading around the perimeter of playground.
May 8 th	<u>Memorial park-</u>	Installing a layer of geo fabric and covering in a layer of stone to grade Hauling in clay dirt and grading around the perimeter of playground.
May 11 th	<u>Memorial park-</u>	Installing a layer of geo fabric and covering in a layer of stone to grade
May 12 th	<u>Memorial park-</u>	Installing top layer of geo fabric to be covered by mulch. Forming 20x20 concrete pads for picnic tables.
May 13 th	<u>Memorial park-</u>	Forming concrete pads for picnic tables. Hauling in clay dirt and grading around the perimeter of playground.
May 14 th	<u>Memorial park-</u>	Adding stone to pads to grade and tamping. Hauling in clay dirt and grading.
May 15 th	<u>Memorial park</u>	Forming sidewalk adding stone and tamping. Hauling in clay dirt and grading.
May 18 th	<u>Memorial park-</u>	Poured 18 yds of concrete for sidewalk and 3 -20x20 pads Strpi Under the umbrellas. Hauling in clay dirt and grading.

May19 th	<u>Memorial park-</u>	Removed forms –hailed in clay dirt grading around concrete Pads.
May20 th	<u>Memorisl park-</u>	Hauled in clay dirt and grading around playground.
May21 st	<u>Memorial park-</u>	Hydro seed and excavate sections of service road to the base.
May22 nd	<u>Memorial park-</u>	Hydro seed- asphalt excavated sections with 4'' of binder.
May26 th	<u>8981 Sassafras-</u>	Excavated in rear of yard 10' down to a 46'' corrugated galvanized Storm main and removed fence
May27 th	<u>8981 Sassafras-</u>	Excavated around the galvanized band sealed the leak with waterproof blow foam with a mortar patch around the band added 2' of stone Around the pipe, backfilled in lifts and tamped.
May28 th	<u>8981 Sassafras-</u>	Back filled and tamped in lifts.
May29 th	<u>8981 Sassafras-</u>	Backfilled and tamped –installed fence- landscaped topsoil seed and Straw.
May30 th	<u>Flood clean up</u>	
May31 st	<u>Flood clean up</u>	