

In Attendance:

Mayor Steve Bierce, Committee Members M. Kreiter, D. Swan, J. Tormey and Alderman J. Wamser.

Also in Attendance:

Administrator S. Klein, DPW Director M. Wagner, Utility Manager J. Mueller, Utility Billing Specialist R. Reed, and Administrative Assistant S. Smaxwill.

1. Call to Order and Pledge of Allegiance

Mayor Bierce called the meeting to order at 6:00 p.m. and requested everyone stand for the Pledge of Allegiance.

2. Public Comments – None

3. Communications – None

4. Discussion and Action Regarding the Minutes – None

5. Old Business – None

6. Storm Water Management Division

6.1. Discussion and possible action regarding the 2020 Annual Report for the MS4 Permit.

Ms. Wagner provided a brief summary of the annual report, required by the DNR, which describes the major components of the City's permit, the measurable goals of these components, the results achieved during the reporting year, and any recommended changes to the programs. The annual report is posted on the city's website.

6.2. Discussion and possible action regarding Kathryn Court/Springdale Estates Flood Mitigation Project alternatives.

Ms. Wagner reported on an outstanding issue and complaints received from neighbors regarding flooding on the back side of Springdale Estates and the west side of Kathryn Court. AECOM performed a mini study of the area to decide how to best resolve the isolated flooding issues. Ms. Wagner stated that when Kathryn Court was constructed the natural flow pattern from the Zignego property was blocked. They put in a 20-foot drainage easement, but it does not drain out and was not graded as a drainage swale.

The committee discussed three alternatives outlined in their packet.

Alternative 1: Run a pipe and regrade an area north along Zignego's land and out through an outlot that was part of the stormwater management for the Kathryn Court subdivision.

Alternative 2: Run through the easement which currently goes to the storm sewer in Maplewood Lane, which backs up in heavy rain events.

Alternative 3: Uses different methodology to Alternative 1 as to how to drain the area.

The study reported the alternatives and costs, and recommended Alternative 1, which has the least cost estimated at \$274,000. The city storm water utility budgeted \$500k for a potential project in 2021. Staff recommended Alternative 1 to go to the Common Council for this project for full design, bidding and construction.

Mayor Bierce asked if this is something that would take place this year. Ms. Wagner stated yes, the bidding and construction would take place in 2021.

Mr. Swan asked questions about figure 2. Ms. Wagner stated there was a storm sewer that was partially installed as part of the subdivision. In 2005, the city received a grant to install a larger storm sewer and overflow sewer in Springdale Road that ties into a larger storm sewer further downstream to alleviate some of the flooding of the intersections of Kathryn Court and Burningwood Lane. This will tie into that storm sewer.

Mr. Swan asked questions about the slope and if we were sure this would work. Ms. Wagner stated there is no 100% guarantee.

Mr. Wamser stated he heard complaints that people are throwing debris in the swale and sewer pipes. Ms. Wagner agreed it will be a matter of keeping it clear as it is a wooded area, stating it is going to be a maintenance issue. Ms. Wagner said there will be manholes and inlet sections.

Mr. Kreiter asked about the size and type of pipe. Ms. Wagner replied it will 400 ft. and would likely be made of concrete. The only other type of pipe considered would be C900. Beehive grates would be used.

Public Comment: Mr. Todd Vogelsand stated he is glad the city is taking a look at this area and feels it is a safety concern. He cleans out the area multiple times a year. He thanked the committee.

A motion was made and seconded, (J. Wamser, J. Tormey) to concur with the report and staff to recommend Alternative 1 to the Common Council. Motion Passed: 5-For, 0-Against.

7. Water and Sewer Division

7.1. Discussion and possible action regarding the Well 5 HMO Treatment Facility & Building update.

Ms. Mueller reported that Well 5 has been an ongoing problem. Back in 2014, we started to get hits on gross alpha. At that time, we pilot tested some treatment options to decide on a course to remove the gross alpha from the water. At the same time, we reduced the use of the well so that we weren't pumping out as much water with radium. As a result of the reduced pumping, we became compliant with gross alpha and the consent order was lifted. After we regained our ability to pump the water, we started to get radium hits. We currently are under a consent order to remove the radium from the water. Fortunately, the results from the pilot testing done in 2014-15 for treatment were the same so we were able to move forward with the design of an HMO treatment system throughout 2020. In December 2020, we took the well

out of service in anticipation of the construction. The reservoir was drained; a cleaning and inspection and found it was leaking. The roof repairs were added to the construction contract. Shortly thereafter, we were going to do some pump rehab and found that the well borehole had collapsed. The Common Council granted an emergency declaration to facilitate the well repairs. After multiple attempts by the contractor, the equipment got stuck in the well. We abandoned boring efforts. We are finding that the formation that the well has been drilled in is part of the Waukesha fault line. The well is located close to that area, and the borehole is in the formation. We are working with several consultants, geologists and well specialists to see if there is any way that we can reinforce this well, or if it is in our best interest to abandon this site and look for a different well location. We are preparing a letter to the DNR asking them for a one-year extension of our consent order to give us time to do some investigation into this geological formation to see if it is truly a viable location, or if we can mechanically enforce it. The extension will allow us the opportunity to make the right choices for the utility.

Ms. Mueller stated that the utility bid out the construction contract for the treatment system and is holding those bids until May 17. Our goal is to get the letter submitted to the DNR for the extension to decide whether to proceed with the construction contract or to reject the bids and get more into site investigation.

Mayor Bierce asked how often the well ran. Ms. Mueller stated it ran 2-3 times per month to keep the water fresh, but was taken offline in December 2020 due to leaks. Mayor Bierce questions what kind of a strain it was putting on the system. Ms. Mueller stated that so far we are okay, but that part of town is isolated. If there were to be a main break we would have to go to the town of Brookfield for emergency service. From a utility standpoint, it is not a comfortable position to be in over an extended period of time. She said we have to decide if we want to go back to the loop scenarios; none of it is cheap. We are resurrecting old notes to look for alternate well sites. If we have to let the contract, we have to be completed with construction by May 31, 2022 and get a full year's worth of water samples in. The HMO treatment system has a very long lead time to build. We are under tight timeframes. If delays continue we need to make sure the construction is completed by next May 31.

Mr. Wamser asked what happened to the city of Waukesha well site they were going to sell? Ms. Wagner stated the City of Waukesha agreement with the Great Lakes Compact does not allow for that option.

Mr. Wamser feels we are throwing good money after bad with this well. Ms. Mueller stated we can't in good conscious move ahead because we have this deadline looming; that it just doesn't make sense to make such a rash decision without further investigation.

Mayor Bierce stated for now the day-to-day operations is fine, but it is more for the redundancy in the system and for emergencies. Ms. Mueller agreed and said we need to have this capacity whether at this location or another, that we can't live without it forever, but at this point in time we have enough overlap with the other wells running.

Mayor Bierce asked what running another line from other areas would cost? Ms. Mueller stated she doesn't think it will be less than \$3M plus, but we need to make sure that whatever we do is a long-term solution.

Mr. Wamser asked if a loop the best way to go for long-term? Ms. Mueller said she would prefer an alternate well site if we could get something right in that vicinity and leave the water main loop as a long-range plan and watch as the land develops by GE. Both are important, but from a short-term supply side an alternate well site would cover a lot more than the loop.

Mr. Wamser reported that Payne & Dolan are going to be doing a lot more quarrying in that area and getting that well site up towards Sam's Club might be the way to go. Ms. Wagner stated concerns about this well site being adjacent to where Payne & Dolan will be quarrying and the kind of impact that blasting will have on the already unstable well. She said we need to pay close attention to where the Waukesha fault line is when we are siting a new well if that is the route we go. We need a well because we need the capacity in our system overall; and we need to find an alternative well site if we cannot find a way to stabilize this well.

Ms. Wagner stated this report was informational and more will be coming regarding the well in the future.

8. Status Reports - None

9. Engineering Division

9.1. Discussion and possible action regarding a pedestrian crossing across Green Road from Littlefield Court to private Five Fields Park.

Ms. Wagner reported that some residents from Five Fields subdivision have asked to have their pedestrian crossing back. Ms. Wagner researched the location and found that the same pedestrian crossing today would not be an acceptable crossing. She discussed the location of the crosswalk and how it would need to have curb cuts in the existing curb in Green Road, along with ramps, mark it with paint and add signs to make it a pedestrian crossing compliant with all the ADA regulations required today. She said it is not as simple as just painting lines in the road anymore. Ms. Wagner said she took this to the Bike & Pedestrian Committee, and they concurred that since there was a crossing, they would recommend installing one, but not from the island, they recommended it on either one side of the road or the other. Ms. Wagner received a follow-up email from the HOA stating the east side of Littlefield Court would be easier for them to move their entrance to their park, because it would only be a crosswalk and not a sidewalk to their private park.

Ms. Wagner asked whether the committee agrees with the recommendation of the Bike & Pedestrian Committee, and if so, to make that same recommendation to the Common Council. She said we would look to include this in the 2022 budget and complete the work in 2022.

Mr. Kreiter asked about a stipulation as to who will maintain it in the winter. Ms. Wagner reported she has not had that discussion.

Mayor Bierce stated for the last few years we have been talking of trying to connect neighborhoods to parks, and it seems like this is the easiest connection in the city. Ms. Wagner stated it is owned by the owners of the Five Field subdivision, though it is not policed as to who goes to their private park.

Mayor Bierce stated he is all in favor of recommending this go to the Common Council with the stipulation that the homeowners are the ones in charge of maintaining it.

Ms. Wagner asked Mayor Bierce if this is something that you want to recommend special assessing back to the HOA to install for those costs, or is this something that you think that the city should pay for?

Mr. Kreiter questioned the specific design. Ms. Wagner indicated it is the northwest side of road, curb cuts with a square for them to wait for the traffic signal to change, 15' x 5' ramps on both north and south side, with the truncated domes painted yellow.

Mr. Swan is in favor of replacing the crossing if the HOA maintains it.

Mayor Bierce stated they have an active HOA and can handle it; stating it is a good trade-off if we build it and they maintain it.

Mr. Wamser stated if we took it away, we should replace it.

Mr. Swan questioned whether it is a "slippery slope" going from a public access to a private one; and if it benefits Littlefield Court, would Littlefield Court be assessed? Ms. Wagner stated they are not looking for a sidewalk to the entrance to the park, they just want a crosswalk on Green Road. She said that because the park is owned by the HOA it would be an assessment to all the homes in the Five Fields subdivision.

Mr. Klein discussed the significance of installing the crosswalk, and whether or not the city is setting a precedent. He stated it is a lot of construction that does not have a real use and it's all for a private development.

Ms. Wagner stated the crosswalk lines were put in by the developer and faded because they were not maintained.

Mayor Bierce stated he can see the merits of both sides of the argument and does not feel strongly for either one of them.

Mr. Tormey stated if the HOA is responsible to maintain it and doesn't, then it is the city's liability. Ms. Wagner stated that there would need to be an agreement in place with the HOA in order to enforce it before anything is constructed. Swan View Farms and The Waters have private crossings with the ADA-required ramps in the private areas. There is an agreement with the developer in place so that the city can come in and charge them for it if they do not maintain it.

A discussion took place about the location of the cross walk, the path to the entrance of the park and the cost of the maintenance. Mayor Bierce asked for a cost estimate. Ms. Wagner does not have an estimate for the project but guessed \$50-60K. A discussion followed about what was all included in the costs of the project.

Mayor Bierce asked if anyone had objections to doing this if the HOA foots the bill?

Mr. Swan does not think it is a good idea.

Mr. Tormey asked why do it.

Mr. Kreiter asked questions about other crossings on Green Road, and if the city has a liability for protecting Green Road? Ms. Wagner said if there is a pedestrian crossing and something happens to the pedestrian, it is the driver's fault. The liability kicks in when the pedestrian is directed to cross there by a crosswalk.

Mr. Klein commented on the requirements of putting pedestrian crossings in other private areas and the need for this crossing.

Ms. Wagner proposed to table this issue and bring it back to the next meeting, and maybe one of the HOA members could attend the meeting.

Mayor Bierce asked the members if they would like to direct staff to let the HOA know that we are not inclined to pay for this, and that if they want to pursue it under their dime we would listen. The committee agreed.

M. Swan does not think this is a good idea.

Mayor Bierce does not think anyone will support this.

Ms. Wagner stated the HOA is aware from the Bike & Pedestrian Committee meeting that the ramps need to be ADA-compliant. She stated that we were originally talking about the west side and were told by the HOA that the east side would be easier for them to accommodate a potentially new entrance to their park. Ms. Wagner fully anticipates the HOA would entertain it if they paid for it, and they are going to want it on the next agenda and they are going to want to be at the meeting.

Mayor Bierce stated there is no motion.

9.2. Discussion and possible action to establish future meeting date and times.

Ms. Wagner reported that there is a backlog of items that need to be addressed by this committee. She requested scheduling a regular monthly meeting with a date and time that would work for all members. The committee agreed to a regular monthly meeting on the fourth Thursday of the month at 4:00 p.m.

9.3. Discussion and possible action regarding Duplainville Road Reconstruction and Trail construction including Lindsay Road Trail construction.

Ms. Wagner reported that in 2022 we will be replacing the Duplainville Road bridge, as it is in poor condition. We were able to secure funding that will pay for 80% of the cost, with 20% paid by the city. Because we have the detour, and Duplainville Road was coming up on the paving program to redo, we felt we should do the road at the same time. There is significant deterioration south of Capitol Drive by Quad Graphics due to

the loading dock, the trucks, the volume of traffic, the quarries and the large roadway. And, it is a local arterial.

Ms. Wagner stated we priced out a few cost options: (1) for the entire roadway from Green Road to Weyer Road in concrete is \$7.5M; (2) for the entire road in asphalt would be just over \$6M; and (3) concrete from Capitol Drive south to the tracks, and asphalt north of Capitol Drive would be \$6.5M.

Ms. Wagner said the rough numbers for special assessments would not be out of line with what we have done with previous roadways: 50% is paid by the city as a local arterial roadway, with the rest of the 50% assessed back to the property owners. Businesses would pay the full assessment. If we are looking at this as a unit basis, it would be in the range of \$65-85K per parcel, with residential homes capped at roughly \$2,500.

Mayor Bierce liked the plan to end the concrete at Capitol Drive so that the businesses that are destroying the pavement will be the ones paying for it.

The committee and staff discussed the different material options, the roadway traffic, the current road conditions and the proposed construction. They discussed the merits of asphalt versus concrete, and the best options for the road project. An analysis was done to determine the base and amount of concrete necessary.

Mr. Swan asked if the old asphalt could be reused. Ms. Wagner said it would need to be milled off-site, which is not always as economical.

Ms. Wagner reported on the Bike & Pedestrian plan. We have a trail along Duplainville Road from Green Road to Weyer Road to ultimately connect to Lindsay Road. The Common Council recently asked to add Lindsay Road to the sports complex to the project.

Ms. Wagner stated that the Bike & Pedestrian plan calls for an on-road bike trail. Because of the volume of traffic and trucks on the roads, the Bike & Pedestrian Committee would like to see an off-road, two-way bike trail at least to the park for the safety of bicyclists and pedestrians. As part of the estimate that Strand put together, they estimate a cost of \$361K to put in an asphalt, off-road trail. This does not include any environmental costs and does not include right-of-way acquisitions. Ms. Wagner estimates between 8-10 properties for the trail system and putting in curb and gutters and eliminating some of the property acquisition. The problem is the road right-of-way varies dramatically along that section of roadway. Most acquisitions are north of Capitol Drive. Until its design, we are unable to refine the costs. The best time to put in trails is when we are doing construction, and now is the time to put it in with the roadway. When it is all said and done, we are probably looking at \$600K for the trail to go that length, and that is only for the Duplainville Road trail. The Lindsay Road trail estimate would cost \$300K, but due to additional environmental impacts, wetlands, crossing the creek, and there are going to be more modifications by the sport complex, it is estimated closer to \$600-700K when installed. So you are looking at closer to \$1-1.2M to put the trails in

from Duplainville Road to Green Road to Weyer Road, and then from Lindsay Road to the sports complex. These two projects are not in our impact fee study, so we would not be able to use any of the impact dollars, which will be down to zero anyway by the end of the Northview Road sidewalk project.

Mayor Bierce said the city has been talking about building these trails for 20 years. He is in favor of the trails. He believes that people moving to Pewaukee want these connections from their neighborhoods to their parks.

Mr. Swan hopes the trail will include crossing Redford Boulevard, and feels it is important to have a trail going over the to the park. He feels the best, safest way is off-road.

The committee discussed the maintenance of the paths. Ms. Wagner reported the city is required by state agreement to maintain the paths by putting them in their right-of-way. We have purchased equipment that will assist us in doing that, and there are other sections in the city we are already doing this. Ms. Wagner commented that if we install them there is an expectation that they will be cleared. Ms. Wagner offered the option to adopt an ordinance to have the property owners be required to clear them.

Ms. Wagner stated regarding the intersection at Redford Boulevard, we have not signed the agreement with Waukesha County because their plan no longer has a pedestrian crossing in it. Ms. Wagner and Mr. Klein will need to have a follow-up discussion with the county regarding this issue.

The committee further discussed with Ms. Wagner about the trail routes. Mr. Wamser and Mr. Tormey like Alternative 3. Mr. Kreiter states that asphalt is quieter, so having that north of Capital would be good for the residential area.

A motion was made and seconded, (D. Swan, J. Wamser) to recommend to the Common Council to pursue Alternative 3 - half asphalt, half concrete. The off-road trail system was also recommended. Motion Passed: 5-For, 0-Against.

9.4. Discussion regarding Novus Training for Committee Members.

Ms. Wagner reported the city typically distributes the committee meeting agenda and packets through Novus Agenda. She suggested members could schedule time for some basic training on how to use the program, access the packets and vote on motions before the next meeting.

The committee agreed to forego the software training and chose to continue receiving paper copies of the packet. The packets would be delivered to committee members a minimum of two days prior to the meeting.

9. Highway Division – None

10. Public Comment - None

11. Adjournment

A motion was made and seconded (J. Tormey, D. Swan) to adjourn the meeting at 7:36 p.m.

Motion Passed: 5-For, 0-Against.

Respectfully Submitted,

Magdelene Wagner
Director of Public Works