

MINUTES
Special Stormwater Board Meeting
Wednesday, February 1, 2017
5:30 PM

- **Call to Order**
 - Matt Lake called the meeting to order at 5:31 P.M.

- **Pledge of Allegiance**

- **Roll Call**
 - President Matt Lake, Vice-President Tom Cartwright and Secretary David Shilling were all present. Lowell Town Council members Chris Salatas, Will Farrellbegg, Edgar Corns, and Mike Gruszka and LeAnn Angerman were present. MS4 Coordinator Greg White was present. Town Manager Jeff Sheridan was present. John Sherrick from SEH Engineering was present.

- **Bank Replacement at 370 North Nichols Street**
 - A conversation ensued concerning the area at the culvert and embankment at the southernmost area of 370 North Nichols Street. Matt Lake highlighted the area was currently under construction for the Nichols Water Main Project. Matt stated that there were a few culverts that need attention. Greg White stated that this particular culvert was at 370 N. Nichols and presented pictures and exhibits of the area. He stated that there was a lot of erosion on the east side of the culvert and that there was a resident request to investigate the culvert. Greg White said there were 2 options for consideration.
 - Greg stated the first option to correct the issue was for the amount of \$13,072 and was for rip rap replacement only and only on the east side of the road. He said that is where the most erosion is happening and where we had the resident request.
 - Greg stated that the second option was for \$34,124 and would include curb and gutter and slope work on both sides of the road as well as inlet to direct the water down to the culvert pipe. He said that this was considered a more permanent solution.
 - Conversation ensued about the project: Matt lake inquired as to whether this was sent out for bid by three contractors. Greg replied that this was a single bid from SHE Engineering that was acquired from the contractor that was working on-site fir the water line project. He stated that at this time, the options were only being viewed as additions to the water line project. Jeff Sheridan confirmed.
 - Matt Lake brought up public safety. He said that stabilization alone will help with erosion but the culvert seemed to warrant guard rails. David shilling mentioned the proximity to the edge of pavement. John Sherrick from SEH was called to answer for the safety considerations. John stated that the engineer was not asked to provide solution other than the erosion and aesthetics of the embankment, along with the removal of the shavings and sediment. Conversation about building material and public safety followed.
 - John Sherrick was asked about extending the culvert out to regrade the slope. John said that more right of away or easements would be required. Matt Lake stated that that would



be required to make this project safer for traffic. Will Farrellbegg asked questions about the width of the road and the steepness of the slope. John Sherrick said that those could be changed if necessary.

- Chris Salatas asked if this was an area where the freedom bike trail was planned. Jeff Sheridan stated that it was one possible route. A conversation about the bike path followed.
- Jeff Sheridan stated that this project began as a waterline project and as the project has continued, some homeowners raised some issues that concerned drainage. He stated that in the interest of making the most of limited town resources, it was brought before the board for consideration at this time. Or should these issues be noted and be left alone for now and considered as separate projects in the future. Mr. Gruszka stated that he believed that safety was an important issue in this particular area.
- David Shilling asked if there was the possibility of acquiring a temporary easement in the area specifically for this project. He also asked if there was a way to call this an emergency situation and move forward with the project. Matt Lake described how a temporary construction easement could be acquired for the project then dissolved after completion.
- Mike Gruszka asked if the Town has the money to fix the problem. Jeff Sheridan stated that the main reason for this meeting was to see if the stormwater utility had interest in funding some or all of this project. Matt Lake stated that this was definitely a road and drainage issue but there was more to the project than was listed in the plans before the board an more investigation was needed before he could make a recommendation.
- Matt Lake asked to get new pricing from the contractor for the project to get a better feel for the cost of a more holistic approach to the issue. He stated that this project looks like it is going to be a lot more expensive than what is listed in the plans.
- LeAnn Angerman stated that she is not inclined to invest town monies in a project that could degenerate just a few years down the road, she would only consider a permanent solution to be a good expenditure of town funds.
- Edgar Corns stated that rip rap works miracles. He said that we should extend the pipe and fill it in with rip rap. He stated that he believes that it is a lot safer than backfilling with dirt. He said to put in rip rap and your headaches are over.
- Jeff Sheridan asked if the primary problem was the grade of the slope. Matt Lake confirmed. A conversation followed about the permanent stabilization of roadside slopes.
- **David Shilling made a motion to request a engineers estimate for the extended pipe and slope, without curb and without drains, with an engineered slope stabilization. Seconded by Tom Cartwright. Carried 3-0**

- **Grading from Timber Springs Rd to 17520 Cline**

- Greg White stated that this project was located north of the previously discussed project on Nichols street and related to the same water line project.
- Greg Stated that this was also a resident request for an improvement to the drainage in their front yard. He said that it appears that the source of the water that is pooling in the yard is coming from the Deere Acres Subdivision on the west side of Nichols Street. He said that the is not an adequate swale from 17520 Nichols south to the culvert under Timber Springs road where it can effectively drain to the ditch and away from the area
- Matt Lake stated that he walked the site today and took some pictures and looked at some of the crummy culverts and noted one in particular which was exposed and made of single-walled HDPE plastic. He wanted to know if we had Topo for the area and

elevation shots. John Sherrick explained that that data was available from the engineering on the water main project. He stated that from 17520 down to the next culvert is only 4/10 so the water has nowhere to go. Matt Lake talked about the necessity to regrade the entire area and replace some culvert.

- Matt Lake asked about cost to regrade and refinish. John Sherrick stated that the estimate from the waterline contractor to do the work was originally \$8400 but was able to reduce the price to \$6900 by saving on mobilization costs.
- John was asked if that extended to Timber Springs, John said that that price only included 300 ft. of swale from 17520 south to the first concrete driveway. Matt Lake said that the swale the rest of the way south along with the edge of pavement still had issues and should be included in the project.
- Dave Shilling said that although this is a stormwater issue, the driveway need to be restored from the waterline project. John Sherrick said that the two driveway cuts are 20 ft separated.
- Shilling asked if the property owners were willing to cost share. Jeff Sheridan mentioned that there were preliminary conversations with the property owners and he was willing to revisit those conversations. John Sherrick said that the culverts and installation was \$50 per linear foot.
- Matt Lake mentioned that the project could be interpreted as a Town problem because of the source of the water, Jeff Sheridan answered that the original complaint was that there were not proper or adequate catch basins installed when Deere Acres was developed and that mistake was causing the damage.
- Matt Lake said that we might not want to ask for resident participation given that the problem may be part of a more holistic municipal infrastructure issue.
- Conversation about the technical of the grade from 17520 to Timber Springs Road.
- Conversation about pricing without competition because the contractor is mobilized versus the savings of not having to mobilize.
- Edgar Corns stated that the last three houses do not have a culvert big enough to take any water. John Sherrick stated that the project included excavation at the ends of the culverts to allow them to flow. Corns argued that these pipes do not appear to be big enough to flow any water regardless. John said that the pipes are 12" existing.
- Discussion about the sizing of pipes and depths of roadside swales.
- David Shilling stated that he does not see this as anything more than an annoyance to one property owner.
- **David Shilling made a motion to do nothing. Tom Cartwright seconded the motion. Motion passes 3-0.**

- **Surface Cores for Bel Aire Subdivision**

- Jeff Sheridan gave a brief overview of the Community Crossroads program and how it was applied for and granted in matching funds for \$1M to the Town of Lowell. He stated the PASER program, which was used to asses our road surfaces for the Town, determined that \$11M in repairs and upgrades were needed to bring the roads up to an acceptable standard. He stated that given the difference between the necessary and available funds, projects, passed primarily on PASER ratings, had to be prioritized.
- Jeff Stated that the Bel Aire Subdivision was the largest project identified for the program. He stated that while the program only pays for the road portion of the project, it may be feasible to look at drainage issues in the area since the road will be opened up and the drainage infrastructure and its failings are contributing factors to the road degradation. He



stated that drainage improvement are eligible, but whenever eligible funds are spent on drainage improvements, that money cannot be spent on road improvements elsewhere.

- Greg White presented a proposal to do surface coring to analyze the subgrade of the roads in the subdivision to determine how much damage was happening due to stormwater infiltration into the subgrade.
- Greg Stated that there are additional improvements being investigated to upgrade the entire storm system in the subdivision. In order to investigate the system for the improvements, the cores need to be acquired in 6 different areas around the subdivision.
- Matt Lake stated that although the road conditions are horrific in the subdivision, and the storm system is almost non-existent in the subdivision, that core samples are not related to storm system but the hard scape.
- A discussion was had about the reasoning for the road degradation and stormwater drainage contribution to those issues.
- Edgar Corns stated that the Town is not very good on keeping records and had had discussions with other officials about why his road was paved seven years ago and he has mud coming up through the cracks in the pavement. He wants to know where the contractor is and someone should be in jail. Matt Lake stated that that could be a proof roll deficiency. Jeff Sheridan stated that the Town is doing a better job now at keeping those records.
- **David Shilling made a motion that the Stormwater Board not participate in the cores. Seconded by Tom Cartwright. Passed 3-0**

- **Adjournment**

Motion to adjourn made by Matt Lake called for a motion to adjourn at 6:20 P.M. motioned by Tom Cartwright, Seconded by Dave Shilling. Carried 3-0

Matt Lake, President

David Shilling, Secretary

Date: Thursday, May 4, 2016