

Tuesday, May 26, 2015
8:00AMCity Hall, Council Chambers
23 N 2nd Street**AGENDA****COMMISSION
MEMBERS**ADAM WEBSTER
TERM EXP. 2020SCOTT BORCHARDT
TERM EXP. 2017DALE ARTHUR
TERM EXP. 2019BILL ERICKSON
CHAIRPERSON
TERM EXP. 2018BILL PAULSON
TERM EXP. 2016“WINTER,
SPRING,
SUMMER, FALL...
TOMAHAWK
HAS IT ALL”

1. **CALL TO ORDER**
2. **PUBLIC COMMENTS** (During this item on the agenda the Commission listens to oral comments from members of the public on non-agenda items. When speaking please state your name and limit your time to five minutes.)
3. **MINUTES –**
 - 1.) April 14, 2015
 - 2.) April 28, 2015
4. **CHECKS – 15368 – 15423** in the amount of \$106,725.80
5. **FINANCIAL REPORT – May 20, 2015**
6. **OLD BUSINESS**
 - a. Capacity, Management, Operation and Maintenance (CMOM) Report
 - b. Waste Water Projects
 - Waste Water Plant Updates
 - Collection System/Rehabilitation Updates
 - Man Holes
 - Sewer Grouting
 - Pipe Bursting (June 8, 2015)
 - Project Budget
 - WWTF Upgrade – Change Order No.1 – Addition of Grit Pad
 - c. Storm and Ground Water Being Pumped into Waste Water System (Cross connections)
 - d. Demonstration of Vacuum/Jetter Truck (9:00AM)
7. **DIRECTOR’S REPORT**
8. **MEETING DATES**
 - a. June 30, 2015
9. **ADJOURN**

Any additions to this agenda will be added to the original posted at City Hall. Any person who has a qualifying disability as defined by the American’s with Disabilities Act, that requires the meeting or materials at the meeting to be in an accessible location or format must contact the Clerk-Treasurer at City Hall, 453-4040, at least three days prior to the meeting so any necessary arrangements can be made to accommodate each request.

PLEASE TURN CELL PHONES ON SILENT DURING MEETINGS

1 **MINUTES OF THE WATER AND SEWER UTILITY COMMISSION**
2 **City of Tomahawk**
3 **City Council Chambers**
4 **April 14, 2015**

5
6 CALL TO ERICKSON called the meeting of the Water and Sewer Utility Commission meeting to
7 ORDER order at 8:00AM.
8
9 ROLL CALL Commission members present were Adam Webster, Scott Borchardt, Dale Arthur, Bill
10 Erickson and Bill Paulson. Also present was Director of Public Works Mike Tolvstad,
11 Public Works Superintendent Dustin Bonack and Clerk-Treasurer Amanda L. Bartz.
12
13 PUBLIC Bruce Hetzel requested that the meeting time for the Commission be changed. He
14 COMMENTS stated that it is hard to attend the meetings in the mornings. He also stated that he had
15 attended the last scheduled meetings and they were it-was cancelled due to lack of a
16 quorum and he missed two hours of work. Mayor STOCKER stated that she likes that
17 the meetings for the rest of year were included in the packet.
18
19 MINUTES BORCHARDT MOVED to approve the February 24, 2015 minutes and ARTHUR seconded.
20 The VOTE was unanimous.
21
22 WEBSTER MOVED to approve the February 17, 2015 minutes and PAULSON seconded.
23 The VOTE was unanimous.
24
25 CHECKS BORCHARDT questioned check 15278 and the expense of uniforms. It was explained
26 that the employees of the utility have uniforms provided to them per the Employee
27 Handbook.
28
29 BORCHARDT questioned check 15284 and the purchase of safety boots for William
30 Jelinek. Clerk BARTZ stated that per the Employee Handbook the employees receive
31 \$100.00 towards the purchase of safety boots each year.
32
33 PAULSON asked what the “waterproof deerskin” referred to on check 15295, it was
34 explained that it was gloves. PAULSON also questioned the purchase of sockets for
35 \$110.40 on check 15303. TOLVSTAD explained that these are replacement tools.
36
37 ERICKSON MOVED to approve check numbers 15270 – 15318 in the amount of
38 \$98,616.73 and WEBSTER seconded. The VOTE was unanimous.
39
40 FINANCIAL ARTHUR MOVED to approve the financial report and ERICKSON seconded. The VOTE
41 REPORT was unanimous.
42
43

1 OLD
2 BUSINESS

1.) Capacity, Management, Operation and Maintenance (CMOM)

3 ERICKSON stated that the Commission needs to select a firm and start the process so
4 that the CMOM is completed by August 2016.

5
6 BORCHARDT stated that we heard that a lot of communities are completing the CMOM
7 themselves and asked why that wasn't an option for the City. TOLVSTAD stated that
8 typically the first time you put something like this together you have help completing it.
9 TOLVSTAD stated that the Commission has a lack of institutional knowledge and this
10 process will help bring the commission up to speed with the current system.

11
12 BORCHARDT stated that the Commission would gain the same knowledge if we
13 complete the CMOM report it ourselves. TOLVSTAD stated that the Commission will get
14 a lot more out of the report by completing it the way it has been proposed. ERICKSON
15 stated that another issue that was discussed was manpower to complete it ourselves.

16
17 WEBSTER stated that he agreed with TOLVSTAD and that this process will help us get on
18 the same page with the needs of the waste water collection system. ERICKSON stated
19 that there will be a lot of big decision that will be based on the CMOM report.

20
21 WEBSTER asked what the price tag was, ERICKSON stated that MSA Profession Services
22 would complete the CMOM for \$5,000 if they did it and \$10,000 if they reported to
23 involved the Commission on each section.

24
25 PAULSON stated that he was surprised that MSA wouldn't do the CMOM at no cost after
26 being awarded a \$500,000 project.

27
28 BORCHARDT stated that the comment was made about having a new firm do the CMOM
29 so that we don't become complacent with MSA.

30
31 ERICKSON stated that more staff time would be used if we hired a firm other than MSA.
32 He also stated that he felt MSA's price was high for the amount of information that they
33 already have.

34
35 ERICKSON suggested offering MSA the project for \$5,000- because of the knowledge
36 they already have on the utility. with the impute from the Commission. BORCHARDT
37 suggested offering the same price to CWE. ERICKSON stated that he would be
38 concerned if they would take that offer as the difference would have to be made up at
39 some point.

40
41 ERICKSON MOVED to offer MSA the project at the price not to exceed of \$5,000 and
42 PAULSON seconded.

1 BORCHARDT asked what would happen if MSA rejected the offer, ERICKSON stated that
2 it would come back to the Commission.

3
4 The VOTE was unanimous.

5
6 **2.) Clean Water Fund Loan – Vacuum/Jetter Truck, Grit Pad, Excavator**

7
8 ERICKSON stated that the vacuum truck has been on the agenda since November 2014
9 and another item has come to our attention, a grit pad. He stated that TOLVSTAD
10 became aware of the need for a grit pad to unload the raw sewage from the jetter truck.
11 TOLVSTAD stated that they have been made aware of a grit pad that will be needed as
12 well.

13
14 TOLVSTAD stated that a vacuum jetter truck like this is important to remove the rags
15 from the system instead of pushing it through the system and trying to pick it up at the
16 next lift station. TOLVSTAD explained that because these types of trucks have been
17 around 20-25 years there is now a market for used trucks. He stated that most
18 communities are purchasing these from the clean water fund loan because they are too
19 large to purchase through the annual budget.

20
21 BONACK stated that this is a different machine than most communities our size are
22 running. He stated that right now we are pushing grit and rag down the system instead
23 of pulling it out. BONACK stated that this truck has side benefits like the ability to
24 hydro-excavate.

25
26 Kahle stated that he had experience with hydro-excavating on N 4th Street in the middle
27 of winter. He explained that they can dig with water pressure and suction without
28 damage to any infrastructure in the ground. He stated that they can expose and pick up
29 anything the size of a basketball.

30
31 Bruce Hetzel stated that he sees sewer backups caused by “flushable wipes” and if we
32 had equipment with the capability to suck these out of the system on regular basis it
33 could help elevate the issue.

34
35 BORCHARDT asked why this purchase was never mentioned at the special meeting.
36 TOLVSTAD stated that it was on the November meeting agenda and it was in the loan
37 information. BORCHARDT stated that he went back and looked in the information that
38 was provided at the special meeting by Tom Fitzwilliam from MSA and there was never
39 mention of a truck. TOLVSTAD stated MSA called him in early November and the idea
40 was presented for the purchase of vacuum truck and the principal forgiveness that was
41 awarded could allowed us to include this in the project. BORCHARDT stated that it was
42 not brought up as part of the 25% rate increase and asked if it was misuse of the funds.
43

1 WEBSTER stated that there is a change order for \$82,000 for a grit pad and asked if this
2 is something the Commission will be looking at. ERICKSON stated that it will not be
3 approved today because the cost is too high for a concrete pad.
4

5 BORCHARDT asked why the truck cannot be rented when it is needed. TOLVSTAD stated
6 that you can't rent this truck anytime you need it. BORCHARDT asked if you are cleaning
7 the system regularly if it would solve the rag issues. TOLVSTAD stated people are
8 flushing the rags continually into a man hole that is already not flowing well. TOLVSTAD
9 stated that you clean the entire system and then you spot clean problem areas but you
10 will still have problem area.
11

12 PAULSON asked what the maintenance costs are, TOLVSTAD stated that he cannot
13 answer that question.
14

15 ERICKSON stated that this purchase is by the users of the utility and not tax dollars, he
16 stated that the cost of this truck spread over a 20 year loan amounts to approximately
17 equals \$1 per quarter per user or \$4 per year.
18

19 ERICKSON suggested waiting to purchase the truck until the waste water treatment
20 plant project is further along. TOLVSTAD expressed concerns with trying to buy a used
21 truck and stated that the further you push it off the longer it will take to find the truck.
22

23 ERICKSON explained that they would like to entertain a purchase of an excavator if all
24 the contingency funds for the waste water treatment plant are not spent. He stated
25 that this would be looked at 6-8 months from now and would come before the
26 Commission for review and approval.
27

28 Mayor STOCKER asked if the Utility received a grant, Clerk BARTZ stated that they had
29 received principal forgiveness and that it was for approved projects.
30

31 BORCHARDT stated that he had reached out to Jed Baus and his company does not own
32 vacuum trucks anymore because of the maintenance costs. TOLVSTAD stated that if you
33 are a contractor you are renting equipment for projects that you already have lined up.
34 He explained that in the City's case we have to respond when a customer calls.
35

36 The Commission viewed a video provided by MSA demonstrating a grit pad and emptying
37 of a vacuum/jetter truck.
38

39 Rejeana Ebert stated that she understands that this is not tax base but rather a user
40 charges but she explained that together they are part of the cost of living in the City.
41

42 ERICKSON MOVED to purchase the vacuum/jetter truck within the next 6 months at a
43 price not to exceed \$125,000, ARTHUR seconded. The VOTE was 3-2 with ERICKSON,

1 ARTHUR, and WEBSTER in favor and BORCHARDT and PAULSON opposed. Motion
2 passes.

3
4 ERICKSON stated that the change order for the grit pad will not be approved today
5 because it can be done at a cheaper price. PAULSON stated that it is a hefty price for a
6 concrete pad with a screen.

7
8 BORCHARDT commented that the City owned an excavator that was sold and now we
9 are going to buy a new one. TOLVSTAD clarified that we got rid of a larger excavator
10 and we are proposing a smaller excavator that the crew will be more comfortable
11 operating. BORCHARDT stated that he reviewed the expenditures for the last five
12 months and we only rented an excavator one time for \$320.

13
14 Pat Haskin stated that she is appalled that our purchase of equipment depends on the
15 talent of the staff instead of telling the staff that you either learn to run the equipment
16 or we will find someone else who will.

17
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21 NEW
22 BUSINESS

1.) Storm and Ground Water Being Pumped into Waste Water System

23 Hetzel stated that there are three or four places downtown where ground water is being
24 pumped into the sanitary sewers through sump pumps in basements. He stated that we
25 have to find a way to control this issue. He stated that there was a procedure in place
26 when all the meters were read manually but now with everything being read externally
27 we are seeing more of these cases.

28
29 ERICKSON asked if we have a City code against dumping storm water into the sanitary
30 system, TOLVSTAD stated that it is prohibited in the state plumbing code. TOLVSTAD
31 stated that with the new meter program they are looking for any cross connections.

32
33 ERICKSON asked what happens when we find one. TOLVSTAD stated that they would be
34 sent a letter to disconnect and if not fixed in 30 days then a citation will be issued.
35 Hetzel stated that a program to check this is needed.

36
37 Rejeana Ebert asked if there was a way to meter and charge the resident for the storm
38 water. TOLVSTAD suggested against allowing it because it creates problems at the
39 waste water plant.

40
41 ERICKSON stated that he would like to see what other communities are doing. BONACK
42 stated that they are hiring staff or a consultant to inspect sump pumps.

1 **2.) Public Service Commission of Wisconsin – Annual Report of Tomahawk Municipal**
2 **Water Utility**

3
4 ERICKSON explained that this is an annual report filed by the City’s auditors with the
5 Public Service Commission.

6
7 Clerk BARTZ explained that the report is on the water utility only. She brought to the
8 attention of the Commission the 4.17% rate of return for 2014 versus the 5.53% rate of
9 return for 2013. She stated that a simple rate increase will be filed with the Public
10 Service Commission and will be on an upcoming agenda. Clerk BARTZ also reported that
11 the percentage of real and apparent water loss was 21% in 2014 versus 17% in 2013.
12 She stated that this was due to the city-wide water run during the extreme cold and
13 harsh weather conditions.

14
15 **3.) “Functions of the Utility Commission” – Presented by Mike Tolvstad at the January**
16 **6, 2015 Board of Public Works meeting**

17
18 PAULSON stated that he had requested this be added to the agenda and it looks like
19 TOLVSTAD was giving the Board of Public Works contradicting information.

20
21 TOLVSTAD explained that after the meeting in December 2014 with the rate increase,
22 the Board of Public Works felt like they were blindsided. He stated that this was written
23 in a context to explain what control the City Council has. TOLVSTAD also explained that
24 the Council gets the minutes and packets for all the Commission meetings.

25
26 **4.) Sludge Hauling Contract**

27
28 TOLVSTAD stated that we take proposals on sludge hauling every 3 years. He explained
29 that this is a product from the waste water treatment plant that can be spread on farm
30 fields. He stated that because of the wet years hauling has been difficult because it
31 tears up the fields. TOLVSTAD explained that the floatation truck proposal is high and
32 suggested awarding that portion for a length of one year on an hourly rate and awarding
33 the 5 years for the regular hauling.

34
35 WEBSTER MOVED to accept the proposal for the regular truck at 5 years and 1 year with
36 the floatation truck, PAULSON seconded. The VOTE was unanimous.

37
38 **5.) Staff Reassignment Update**

39
40 BORCHARDT stated that he was not aware of a staff reassignment. TOLVSTAD stated
41 that he contacted the Department of Natural Resources and Jelinek has the ability to
42 obtain a Grade 4 Waste Water Operator faster than the other utility employees. He
43 stated that this will assure that we stay in compliance with our permits.

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DIRECTOR'S REPORT TOLVSTAD reported that there will be a pre-construction meeting April 15, 2015 on the water main loop project on River Street.

TOLVSTAD stated that when the sanitary line on S. Tomahawk Avenue was televised it showed that it has significantly ~~detracted~~ deteriorated since it was televised last year. He stated that they will have to do what is called pipe bursting to repair the pipe. He advised the Commission that we are trying to get a price to complete the additional work. BORCHARDT asked if this would be paid for from the contingency fund. ERICKSON stated that it would be paid out of the contingency fund from the waste water collection system project.

Clerk BARTZ stated that with the new Commission members she has provided a copy of the Open Meeting Laws. She brought attention to the walking quorums and requested that if a member is unable to attend a meeting that they contact her directly.

NEXT MEETING The next Water and Sewer Utility Commission meeting will be April 28, 2015 at 8:00AM at City Hall.

Ebert commented that she found this meeting to be very informative and thanked the Commission for their time.

BORCHARDT asked if the \$50,000 overage of the budget that came in the packet was going to be reviewed. TOLVSTAD stated that he will update the Commission at the next meeting.

ADJOURN WEBSTER MOVED to adjourn the meeting of the Water and Sewer Utility Commission and BORCHARDT seconded. The VOTE was unanimous. The meeting was adjourned at 9:52AM.

Approved: DRAFT_____

1 **MINUTES OF THE WATER AND SEWER UTILITY COMMISSION**
2 **City of Tomahawk**
3 **City Council Chambers**
4 **April 28, 2015**
5

6 CALL TO ERICKSON called the meeting of the Water and Sewer Utility Commission meeting to
7 ORDER order at 8:01AM.
8

9 ROLL CALL Commission members present were Scott Borchardt, Dale Arthur, Bill Erickson and Bill
10 Paulson. Absent was Adam Webster. Also present was Director of Public Works Mike
11 Tolvstad and Clerk-Treasurer Amanda L. Bartz.
12

13 PUBLIC There were no public comments.
14 COMMENTS

15
16 MINUTES ERICKSON stated that he will have several additions to the April 14, 2015 minutes and
17 going forward he would like the minutes to be a little bit more stand alone to the casual
18 reader.
19

20 ERICKSON recommended the following changes:

21 Page 1, line 15 – Change the word “meeting” to “meetings” and to add “due to a lack of
22 a quorum” at the end of the same sentence.
23

24 Page 1, line 35 – Add “TOLVSTAD stated that these are replacement tools.”
25

26 Page 2, line 9 – Add “ERICKSON stated once the CMOM is completed the Director of
27 Public Works will complete the CMOM annually.”
28

29 Page 2, line 13 – Add “to complete CMOM themselves.” to the end of the sentence.
30

31 Page 2, line 16 – Add “waste water” before the word collection.
32

33 Page 2, line 19 – Delete “report to” and replace with “involved the”.
34

35 Page 2, line 25 – Delete the words “we don’t” and replace with “the with the incumbent
36 engineer firm”.
37

38 Clerk BARTZ stated that the minutes are written as stated and some of these changes
39 are not reflecting what was actually said. ERICKSON disagreed. Clerk BARTZ explained
40 that BORCHARDT did not say “incumbent engineering firm”. She stated that she does
41 not add things to the minutes that are not stated. ERICKSON stated that he wants the
42 minutes to be detailed for the Council.
43

1 Page 2, line 33 – Delete “input” and replace with “involvement of the Commission on
2 some of the eight sections of the CMOM to be determined by TOLVSTAD.”

3
4 Page 2, line 37 – Delete “of” and replace with “not to exceed”.

5
6 Page 3, line 4 – Add “and it is time to make a decision” to the end of the sentence.,
7

8 Page 3, line 6 – Add “to off load the vacuum truck to dispose of the grit and rag
9 collected.”

10
11 Clerk BARTZ requested the minutes be postponed until she can verify the changes with
12 the recording of the meeting. TOLVSTAD asked if there is a way of producing the
13 minutes with clarification on what was meant. ERICKSON stated that he would like
14 more information included in the minutes.

15
16 Page 3, line 9 – Add “by hand” between the words “up” and “at”.

17
18 Page 3, line 25 – Add “will be better removed by a vacuum truck”. TOLVSTAD stated
19 that that was the intent of the statement.

20
21 Page 3, line 31 – Add “for a grit pad” after “\$82,000”.

22
23 BORCHARDT stated that on Page 3, lines 27-29 he had asked if the vacuum truck was
24 brought up at the December meeting and there was a comment by TOLVSTAD and Clerk
25 BARTZ that it was. But that it is not reflected in the minutes. TOLVSTAD stated we were
26 referring to the November meeting not the special meeting. Clerk BARTZ and TOLVSTAD
27 stated that they did say it was brought up at the special meeting. TOLVSTAD stated that
28 he does not recall it being discussed at that meeting.

29
30 Page 3, line – 32 – Add “is an item that will be needed”.

31
32 Page 3, line 38 – Add “and we currently do not have equipment to remove the rags.”

33
34 Page 4, line 2 – Add “to purchase a vacuum truck” after “cost” and “about” after
35 “equals”.

36
37 Page 4, line 4 – Add “waste water treatment plant” before “project”.

38
39 Page 4, line 9 – Add “if all the contingency funds for the waste water treatment plant
40 are not spent and that this will be looked at 6-8 months from now by the Commission.”

41
42 Page 4, line 33 – Add “will be more versatile” after “a smaller excavator that”.

43

1 Page 4, line 39 – Add “ERICKSON agreed.”
2

3 Page 5, line 3 – Add “that he is aware of” after places. Mayor STOCKER asked, if in the
4 democratic process, you can speak for someone else. Clerk BARTZ stated that this is not
5 the normal process for the minutes. ERICKSON asked the Council members present if
6 they understand the minutes. Jim Graeber, Council member, stated that if there are any
7 questions with the minutes Council members speak with Clerk BARTZ or TOLVSTAD.
8 BORCHARDT stated that there were quite a few things that were said at the meeting
9 that were not reflected in the minutes. Clerk BARTZ stated that the City does not do
10 verbatim minutes. BORCHARDT asked why verbatim minutes were not taken. Clerk
11 BARTZ stated that there are no municipalities that take verbatim minutes and that only
12 actions and motions are required to be recorded in the minutes. She stated that if
13 something is missed in the minutes then a motion should be made to amend them.
14

15 Page 5, line 35 – Reflect that a simplified rate increase would be applied for.
16

17 Page 6, line 27 – Add “TOLVSTAD went on to advise the Commission that this issue will
18 likely consume and possibly exceed the amount of the contingency”
19

20 HASKIN stated she has taken a lot of minutes and usually you only record the actions.
21 Mayor STOCKER believes it is what a body decides they would like to see in the minutes.
22 HASKIN suggested that it is ok for her to go back to check but she would not tamper
23 with the minute. Mayor STOCKER stated that is within Robert’s Rule of Order to amend
24 the minutes.
25

26 ERICKSON asked if they would like to see only the actions in the minutes or inclusion of
27 the discussion. PAULSON pointed out the minutes of the January 6, 2015 Board of
28 Public Works where KAHLE stated that “a lot of the times member of the Commission do
29 not communicate any updates.” He stated that we are not clear.
30

31 BORCHARDT stated that more information is better and things are said in the course of
32 discussion.
33

34 TOLVSTAD commented to PAULSON that KAHLE made that remark not knowing that the
35 minutes were included in the packets.
36

37 ERICKSON used the vacuum truck as an example and if the discussion was not included
38 there would have been no history of the consideration of a vacuum truck.
39

40 ARTHUR asked if the meetings are recorded, Clerk BARTZ stated that she does record
41 the meeting for minute purposes only and are deleted/destroyed in accordance with
42 City Code.
43

1 ERICKSON stated that how we have been doing the minutes are fine with just a few
2 added words. Mayor STOCKER stated that amending the minutes are part of Robert's
3 Rule of Order.

4
5 Alan Hanson stated that since there are lots of new Council members the point about
6 making the minutes informative to them is a good idea. Clerk BARTZ asked if they are
7 stating that the minutes have not been informative.

8
9 BORCHARDT asked that certain things that are not being reflected in the minutes, can it
10 be requested to be added.

11
12 BORCHARDT MOVED to postpone the meeting minutes until the next meeting,
13 PAULSON seconded. The VOTE was unanimous.

14
15 CHECKS BORCHARDT questioned check 15329 for mileage for Brandon Strelow to attend
16 training. TOLVSTAD stated that it was in Green Bay for water training.

17
18 BORCHARDT questioned check number 15332 and 15346 for uniforms and stated that it
19 seems high for one month's uniforms. Loretta Wanta, Deputy Clerk-Treasurer,
20 explained that the timing of the bills and when the Department Heads handed them in
21 for payment.

22
23 BORCHARDT MOVED to approve check 15270 – 15318 in the amount \$98,616.73 and
24 ERICKSON seconded. The VOTE was unanimous.

25
26 FINANCIAL Clerk BARTZ noted that the budget versus actual was included for the Commission's
27 REPORT information. ERICKSON asked how often this information could be provided to the
28 Commission and Clerk BARTZ stated that she would be providing it monthly.

29
30 ARTHUR MOVED to approve the Financial Report and PAULSON seconded. The VOTE
31 was unanimous.

32
33 OLD **1.) Capacity, Management, Operation and Maintenance (CMOM)**

34 BUSINESS TOLVSTAD stated that he contacted Scott Martin with MSA Professional Services and ask
35 if they would complete the CMOM with the involvement of the Commission for a
36 maximum cost of \$5,000. He stated that MSA agreed and would be sending a contract
37 and timeline for the completion of the CMOM. TOLVSTAD stated that they anticipate
38 starting in June 2015.

39
40
41 ERICKSON stated that the CMOM needs to be completed by August 2016 and it will be
42 completed annually by staff after that. TOLVSTAD stated that this is the first time the
43 City is required to file a CMOM.

1
2 BORCHARDT asked if the CMOM would be completed for the 2016 budget process.
3 TOLVSTAD stated that Martin did not see that to be a problem and thought that it could
4 be completed in four meetings.
5

6 ERICKSON asked if this would be presented at special meetings, TOLVSTAD stated that it
7 would be within the regular scheduled meetings.
8

9 **2.) Waste Water Projects**

10
11 TOLVSTAD reported that the projects at the waste water treatment plant are starting
12 and materials are being delivered and prep-work is being done. TOLVSTAD stated that
13 the first weekly construction meeting is scheduled of the following week. ERICKSON
14 asked when the estimated date of completion was, TOLVSTAD stated at the end of the
15 year. PAULSON reiterated, December 2015.
16

17 TOLVSTAD reported on the collection system project. He stated that three crews from
18 Visa-Sewer are in town finishing up lining in the pipes and hope to be done in the
19 following week. TOLVSTAD stated that "strong seal", plastering of the walls in the
20 manholes, is also being completed. TOLVSTAD reported that Infrotech has already
21 completed the monoform (pouring one manhole inside another) in seven of the
22 manholes and will continue to complete four or five manholes a week.
23

24 BORCHARDT asked if the lining of the sewer mains has been going smooth, TOLVSTAD
25 that a section of sanitary sewer collapsed when cleaning the line and that 13' for pipe
26 needed to be replaced on Putnam St.
27

28 PAULSON asked what the process is for lining the pipes. TOLVSTAD explained that the
29 lining looks like a sock and it is pulled through the pipe and once it is in place it is
30 pumped full of hot water or steam and it pushes out the liner. He stated that once it
31 cools the resins in the liner hardens. He stated that they then go in the pipe with a
32 camera with a saw on it and cut out each lateral. BORCHARDT asked if the cut pieces
33 are removed and TOLVSTAD confirmed that they were removing the cut pieces.
34

35 ARTHUR asked how thick the lining is, TOLVSTAD stated that it is a ¼" thick and will
36 maintain the integrity of the pipe. BORCHARDT asked is the lining surface is smooth.
37 TOLVSTAD stated that most of the pipes being lined are clay pipes and pieced together
38 every 3-4' or they are concrete that the gasses can cause the surface to become rough.
39 TOLVSTAD stated that the lining is very slick and smooth.
40

41 ERICKSON asked what the longest section is that can be lined at a time, TOLVSTAD
42 explained that State law requires that the distance between manholes does not exceed
43 400'.

1
2 TOLVSTAD referred the Commission to the update provided by MSA Professional
3 Services on the process of pipe bursting. The Commission read the third and fourth
4 paragraph on page 2 of the report.
5

6 ERICKSON asked if we have a cost for the pipe bursting, TOLVSTAD they do not have a
7 cost yet. ERICKSON stated that MSA is hoping that the cost fits into the contingency for
8 the waste water collection system project. BORCHARDT asked if the Commission will be
9 expected to act on the cost immediately and how will the commission act on it before
10 the next meeting.
11

12 ERICKSON stated that with all the projects there will be change orders that decrease and
13 increase the total costs of the projects. He stated that in this case we have no choice
14 but to complete the project. He stated that we need to have some mechanism in place
15 on how to approve change orders so that we don't have several meetings a month.
16

17 TOLVSTAD stated that in the past, as long as the change order didn't exceed the budget
18 in contingency and it was needed, he had the authority to approve them. ERICKSON
19 asked what he anticipated the change order to be for the pipe bursting, TOLVSTAD
20 stated that he would not be surprised if it was \$80,000.
21

22 ERICKSON stated that the next Commission meeting is not until May 26, 2015.
23 BORCHARDT asked if only we will only be getting one bid, TOLVSTAD stated that they
24 would look for multiple bids and MSA will check the lowest bidder for percentage of
25 mark up and if the materials being used meet specs.
26

27 ERICKSON stated that the pipe bursting may exceed our contingency and that we may
28 have to look for other funds. Mayor STOCKER asked what the other sources could be.
29 TOLVSTAD stated it can be requested to use the contingency from the waste water
30 treatment plant project or operating revenue can be used.
31

32 BORCHARDT asked if other things can be postponed, like the vacuum/jetter truck,
33 TOLVSTAD stated that we would have to request Department of Natural Resources to
34 reallocate the funds.
35

36 BORCHARDT asked how far they are on the project and all the contingencies on the
37 waste water collection project was used and contingencies are needed on another part
38 of the project what would happen. TOLVSTAD we are far enough on the project that we
39 can be comfortable that no other contingencies will be needed.
40

41 ERICKSON MOVED that when get the final numbers for pipe bursting, that a special
42 meeting be called to take action. BORCHARDT seconded. The VOTE was unanimous.
43

1 ERICKSON referred back to the contingency amounts, he suggested giving TOLVSTAD
2 authorization to sign off on change orders as long as it stays within budget as and it is
3 necessary. He also suggested that TOLVSTAD and ERICKSON approve the change orders
4 up to a certain dollar amount. ERICKSON asked for commission for their thoughts.
5

6 BORCHARDT stated that his concern would be that the change orders, in the big scheme
7 of things, can cause a significant increase. ERICKSON proposed allowing TOLVSTAD and
8 himself to approve change orders up to a percentage of the projects in the future.
9

10 ERICKSON MOVED to allow TOLVSTAD and himself to sign off on all change order up to a
11 maximum of \$25,000 and change orders that exceed that amount be required to come
12 back to the commission. ARTHUR seconded.
13

14 BORCHARDT asked if there was a way to set a percentage instead of a dollar amount.
15 ERICKSON stated that it is easier to operate on a max dollar amount. TOLVSTAD stated
16 that he is comfortable with the proposal of a max dollar amount.
17

18 BORCHARDT stated that seven change orders at \$10,000 would equal \$70,000 and
19 asked if the commission can be kept updated. ERICKSON stated that the commission
20 would be brought up to date with an agenda item of change orders that have been
21 approved.
22

23 TOLVSTAD stated that he does not think that we will see a change order for more than
24 \$25,000. BORCHARDT disagree, pipe bursting could be more than \$25,000.
25

26 TOLVSTAD explained that the collection system is all underground and has a lot of
27 unknowns. He stated that the treatment plant is all above ground and can physically
28 look at everything.
29

30 Mayor STOCKER suggested amending the motion to include up to \$25,000 for one or
31 more projects. ERICKSON clarified that change orders up to \$25,000 can be approved by
32 TOLVSTAD and himself and that if a change order is singularly \$25,000 it comes back to
33 the commission.
34

35 PAULSON MOVED to amend to add after approval of the \$25,000, should the change
36 order exceed the contingency for the project it would come back to the commission,
37 ARTHUR seconded. The VOTE was unanimous.
38

39 ERICKSON MOVED to amend the motion that it only pertains to the waste water
40 treatment project and the sewer rehabilitation project, BORCHARDT seconded.
41

42 BORCHARDT clarified that that it would be \$25,000 for each project.
43

1 The VOTE on the amendment was unanimous.

2
3 The VOTE on the main motion as amended (to allow TOLVSTAD and ERICKSON to sign
4 off on change orders for the waste water treatment plant project and sewer
5 rehabilitation project up to a maximum of \$25,000 and change orders that exceed that
6 amount or exceed the amount of contingency for the project be required to come back
7 to the Commission.) was unanimous.

8
9 TOLVSTAD stated that he is getting prices from local contractors for the grit pad and
10 that it looks like it will be half the prices. BORCHARDT asked if we are getting more than
11 one bid. TOLVSTAD stated that he is trying to get a concrete bid and a plumbing bid to
12 get an estimate on the cost of the grit pad. He stated that the grit pad would be bid it
13 out.

14
15 ERICKSON stated that action of the Commission is not needed, based on previous
16 motion, for change order #2. Clerk BARTZ read the description for the change order, the
17 primary sludge pump change, conversion of lift station #5, 10, 12, and 13 to 480v
18 electrical service, removal of OmniSite at lift stations #5, 10 and 13, addition of control
19 stations at lift station #5, 10, 12 and 13 and addition of conduit for primary clarifier
20 condensate heater.

21
22 TOLVSTAD stated that the proposal to change some of the controls in some of the lift
23 station is to resolve some of the issues. TOLVSTAD stated that Wisconsin Public Service
24 is getting rid of old electrical services and converting it over to 480v. BORCHARDT asked
25 if there is a savings to changing over the service, TOLVSTAD stated that the cost is the
26 same.

27
28 ERICKSON stated that he would consider this change order not to be mandatory would
29 require commission approval.

30
31 ERICKSON MOVED to approve change order #2 and ARTHUR seconded. The VOTE was
32 unanimous.

33
34 NEW
35 BUSINESS

1.) Safe Water Drinking Loan Program – Construct Well & Pump House

36 TOLVSTAD stated that the Department of Natural Resources has been after the water
37 utility for 10-15 years to develop an alternate well site because both of our current wells
38 are within 75' from each other. TOLVSTAD stated that a site has been identified at the
39 northeast corner of County Road A and US Highway 51 and the water utility has
40 purchased the property. He stated that the water supply has been tested and there is
41 adequate water supply and the water quality is good. TOLVSTAD stated that the cost to
42 develop the well would be approximately \$1.8 million. He stated that if something
43 would happen to our current wells we would have to act immediately. TOLVSTAD

1 explained that this pre-application to the DNR acts as a place holder to qualify for Safe
2 Drinking Loan funds.

3
4 ERICKSON stated that the utility applies for this program every year. PAULSON asked
5 about the wells in Bradley Park. TOLVSTAD explained that they were test wells that they
6 did not produce adequate water supply. TOLVSTAD stated that when they were
7 pumped the wells hard the pond level dropped.

8
9 BORCHARDT asked how the well are at the County Road A and US Highway 8 and if they
10 have adequate flow. TOLVSTAD stated that they produced 275 gallons a minutes with
11 an estimated 350 gallons a minute if developed. BORCHARDT asked how we would
12 bring the water to the other side of US Highway 51, TOLVSTAD stated that we would
13 have to bore under the highway.

14
15 ERICKSON asked how much has been invested into the new site, Clerk BARTZ did not
16 have this information with her in the meeting.

17
18 **2.) "The Box Says Flush" – New York Times March 15, 2015**

19
20 Mayor STOCKER stated that it had been mentioned as a problem in the City.

21
22 BORCHARDT stated that we talked about going on WJJQ. He stated that the citizen do
23 not realize that this is an issue. BORCHARDT suggested that a commission member,
24 council member or mayor would have more impact if they went on the radio than
25 TOLVSTAD.

26
27 Pat Haskin stated that there is legislation to ban the beads in toothpaste and soaps.
28 TOLVSTAD stated that this is not an issue for the waste water plant but for the
29 environment and wildlife.

30
31 ERICKSON suggested talking to the legislators regarding changing the label to state that
32 they are not flushable. ERICKSON suggested including this issue on the radio when
33 illegal hook ups are talked about.

34
35 TOLVSTAD suggested that the storm water cross connections are in spots that they do
36 not have a place to dump the storm water. He stated that if we are going to force them
37 to remove their sum pumps from the sanitary sewer, are we going to have to provide
38 them with storm sewers.

39
40 ERICKSON quoted Section 98-62(a) of the Municipal Code "No person shall cause to be
41 discharged any storm-sewer, surface drainage, subsurface drainage, ground water, run
42 off, cooling water or unpolluted water into any sanitary sewer."

1 TOLVSTAD suggested looking at the language in the City's ordinance regarding the fines
2 for illegal use of public sewers. ERICKSON stated that has also requested data on
3 pumping numbers vs what is being treated at the plant.
4
5 DIRECTOR'S There was no additional information to report.
6 REPORT
7
8 NEXT The next Water and Sewer Utility Commission meeting will be May 26, 2015 at
9 MEETING 8:00AM at City Hall.
10
11 ADJOURN ARTHUR MOVED to adjourn the meeting of the Water and Sewer Utility Commission
12 and PAULSON seconded. The VOTE was unanimous. The meeting was adjourned at
13 9:38AM.
14
15 Approved: DRAFT

1ST MERIT - WATER AND SEWER CHECKING

ALL Checks

Posted From: 4/21/2015 From Account:
Thru: 5/20/2015 Thru Account:

Check Nbr	Check Date	Payee	Amount
15281	5/08/2015	E H POOLED 114 LP	-244.93
15364	5/04/2015	SHARE CORPORATION	-100.66
15365	5/08/2015	STAAB CONSTRUCTION CORP	-31,671.00
15368	4/21/2015	CITY OF TOMAHAWK SOLID WASTE FUND	3,529.07
15369	4/24/2015	UNITED STATES POSTAL SERVICE	256.50
15370	4/28/2015	CITY OF TOMAHAWK SOLID WASTE FUND	2,044.12
15371	5/01/2015	CITY OF TOMAHAWK	15,273.32
15372	5/01/2015	EXXON MOBIL	46.07
15373	5/01/2015	FRONTIER	392.01
15374	5/01/2015	HADLEY'S OFFICE PRODUCTS INC	17.67
15375	5/01/2015	LAWSON PRODUCTS	9.26
15376	5/01/2015	STRELOW, BRANDON	201.40
15377	5/05/2015	CITY OF TOMAHAWK SOLID WASTE FUND	4,350.47
15378	5/08/2015	AALSMA, COREY	100.00
15379	5/08/2015	AVENET, LLC	300.00
15380	5/08/2015	EAGLE WASTE & RECYCLING INC.	92.65
15381	5/08/2015	EQUITY TRUST COMPANY	244.93
15382	5/08/2015	FIRST NATIONAL BANK OMAHA	120.00
15383	5/08/2015	FRONTIER	159.03
15384	5/08/2015	MINNESOTA LIFE	8.28
15385	5/08/2015	SHELL FLEET PLUS	282.93
15386	5/08/2015	STAAB CONSTRUCTION CORP	30,087.45
15387	5/08/2015	TOMAHAWK ACE HARDWARE	235.87
15388	5/08/2015	VERIZON WIRELESS	380.09
15389	5/08/2015	WISCONSIN PUBLIC SERVICE	9,142.22
15390	5/08/2015	XTREEM UTILITY DAYLIGHTING & HYDROVAC	900.00
15391	5/12/2015	CITY OF TOMAHAWK SOLID WASTE FUND	3,311.70
15392	5/15/2015	STRELOW, BRANDON	111.15
15393	5/15/2015	CITY OF TOMAHAWK	5,577.44
15394	5/15/2015	SECURITY HEALTH PLAN	6,056.20
15395	5/19/2015	CITY OF TOMAHAWK SOLID WASTE FUND	3,925.40
15396	5/20/2015	AMERICAN WELDING & GAS	59.40
15397	5/20/2015	ARNOTT TRUCKING, INC	382.50

1ST MERIT - WATER AND SEWER CHECKING

ALL Checks

Posted From: 4/21/2015 From Account:
Thru: 5/20/2015 Thru Account:

Check Nbr	Check Date	Payee	Amount
15398	5/20/2015	AUS APPLETON/CASPIAN MC LOCKBOX	1,026.67
15399	5/20/2015	BELLIN HEALTH	120.00
15400	5/20/2015	BUMPER TO BUMPER TOMAHAWK	1.99
15401	5/20/2015	COUNTY MATERIALS CORPORATION	839.22
15402	5/20/2015	DAVIS KUELTHAU ATTORNEYS AT LAW	927.50
15403	5/20/2015	EXXON MOBIL	63.51
15404	5/20/2015	FABCO EQUIPMENT INC	881.50
15405	5/20/2015	FERGUSON WATERWORKS #1476	466.00
15406	5/20/2015	FRONTIER	286.71
15407	5/20/2015	GRAINGER	122.94
15408	5/20/2015	HARTLAND LUBRICANTS & CHEMICALS	196.90
15409	5/20/2015	HD SUPPLY WATERWORKS, LTD	1,095.44
15410	5/20/2015	INFRATECH TECHNOLOGIES INC	159.60
15411	5/20/2015	MMG EMPLOYER SOLUTIONS	81.00
15412	5/20/2015	MMG EMPLOYER SOLUTIONS	154.32
15413	5/20/2015	MSA PROFESSIONAL SERVICES, INC.	34,047.18
15414	5/20/2015	NCL OF WISCONSIN INC	1,837.71
15415	5/20/2015	NORTHERN LAKE SERVICE INC	794.70
15416	5/20/2015	NORTHWOODS LUBE & TIRE	35.49
15417	5/20/2015	NXKEM PRODUCTS	278.92
15418	5/20/2015	OFFICE OF STATE TREASURER	5,000.00
15419	5/20/2015	RADIO SHACK	17.99
15420	5/20/2015	SCHENCK BUSINESS SOLUTIONS	1,800.00
15421	5/20/2015	SHARE CORPORATION	504.26
15422	5/20/2015	TOMAHAWK BUILDER'S SUPPLY CO	153.04
15423	5/20/2015	WIRELINE INC	252.67
		Grand Total	106,725.80

1ST MERIT - WATER AND SEWER CHECKING

ALL Checks

Posted From: 4/21/2015 From Account:
Thru: 5/20/2015 Thru Account:

	Amount
Total Expenditure from Fund # 610 - WATER FUND	54,137.54
Total Expenditure from Fund # 620 - SEWER FUND	52,588.26
Total Expenditure from all Funds	106,725.80

City of Tomahawk

P.O. Box 469, Tomahawk, WI 54487
(715) 453-4040 phone (715) 453-2717 fax
www.cityoftomahawk.com

Date: May 20, 2015

To: Members of the Tomahawk Water and Sewer Utility Commission
From: Amanda L. Bartz, Clerk-Treasurer
Subject: Non-audited Financial Report

Total Treasurer's Cash Last Report (April 21, 2015)	\$	22,320.93
Credits- Cash Receipts/Transfers	\$	163,943.46
Debits - Checks 15368-15423	\$	(106,725.80)
Total Treasurer's Cash May 20, 2015	\$	79,538.59

1st Merit Saving Account	\$	55,629.01
State Local Government Investment Pool	\$	326,415.69
Total Cash Available	\$	461,583.29

Fund Balances:

Equipment Replacement Fund	\$	334,136.66
Clean Water Debt Fund	\$	177,833.30

Debts:

		Balance
Clean Water Fund - Matures 2035 - Interest 2.363%	\$	3,354,250.00
Next Payment \$ 133,129.93 Date 5/1/2016		
S. Tomahawk Ave. - Matures 2022 - Interest 2.250%	\$	143,640.00
Next Payment \$2,128.95 Date 10/1/2015		
N. 4th St Utilities/River Crossing - Matures 2028 -1.250%	\$	4,195,000.00
Next Payment \$ 61,421.88 Date 10/1/2015		
Clean Water Fund - Matures 2015 - Interest 3.096%	\$	-
State Trust Fund - Matures March 2024 - Interest 4.00%	\$	-

Total Debt	\$	7,692,890.00
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Due to General Fund from Water	\$	170,270.28
Due to General Fund from Sewer	\$	(11,942.95)

We, the members of the Tomahawk Water and Sewer Utility Commission, have examined to the extent we feel necessary, and approve the above numbered checks with a value of :

\$ 106,725.80

Fund: 610 - WATER FUND

Account Number	2014 Actual 12/31/2014	2015 Actual 05/20/2015	2015 Budget	Budget Status	% of Budget
610-00-44180-000-000	NON OPERATING RENTAL	0.00	0.00	0.00	0.00
610-00-44190-000-000	INTEREST AND DIVIDEND INTEREST	114.38	19.66	200.00	-180.34 9.83
610-00-44191-000-000	INTEREST SPECIAL ASSESSMENTS	274.36	0.00	4,234.51	-4,234.51 0.00
610-00-44192-000-000	CAPITAL CONTRIBUTIONS	0.00	0.00	0.00	0.00 0.00
610-00-44210-000-000	MISC. NON-OPERATING INCOME	196.16	-20.00	200.00	-220.00 -10.00
610-00-44290-000-000	AMORTIZATION OF DEBT PREMIUM	0.00	0.00	0.00	0.00 0.00
610-00-44601-000-000	BULK WATER SALES	0.00	0.00	0.00	0.00 0.00
610-00-44611-000-000	RESIDENTIAL WATER	192,708.76	67,488.00	200,000.00	-132,512.00 33.74
610-00-44612-000-000	MULTI FAMILY RESIDENTIAL WATER	3,101.10	2,662.10	3,500.00	-837.90 76.06
610-00-44613-000-000	COMMERCIAL WATER	87,677.42	31,952.74	95,000.00	-63,047.26 33.63
610-00-44615-000-000	INDUSTRIAL WATER	68,441.20	29,054.50	80,000.00	-50,945.50 36.32
610-00-44617-000-000	PUBLIC AUTHORITY WATER	13,121.14	3,720.00	12,000.00	-8,280.00 31.00
610-00-44619-000-000	INTERDEPARTMENTAL WATER	0.00	0.00	0.00	0.00 0.00
610-00-44620-000-000	PRIVATE FIRE -WATER	11,430.00	4,650.00	12,000.00	-7,350.00 38.75
610-00-44630-000-000	PUBLIC FIRE PROTECTION	219,621.00	91,508.75	219,621.00	-128,112.25 41.67
610-00-44700-000-000	CUSTOMER FORFEITED PENALTIES	26,142.77	7,550.09	25,000.00	-17,449.91 30.20
610-00-44710-000-000	MISC. SERVICE REVENUE	400.00	0.00	500.00	-500.00 0.00
610-00-44720-000-000	WATER TOWER RENT	39,807.64	16,917.30	39,000.00	-22,082.70 43.38
610-00-44740-000-000	MISC. WATER REVENUE	895.00	775.00	1,000.00	-225.00 77.50
610-00-44741-000-000	RECONNECTS -MISC. SERVICE	1,566.00	180.00	500.00	-320.00 36.00
LICENSES AND PERMITS		665,496.93	256,458.14	692,755.51	-436,297.37 37.02
610-10-49200-000-000	TRANSFER	0.00	0.00	0.00	0.00 0.00
DONATIONS		0.00	0.00	0.00	0.00 0.00
Total Revenues		665,496.93	256,458.14	692,755.51	-436,297.37 37.02

Fund: 610 - WATER FUND

Account Number		2014 Actual 12/31/2014	2015 Actual 05/20/2015	2015 Budget	Budget Status	% of Budget
610-00-57080-000-000	TAXES	66,095.04	27,539.60	66,095.04	38,555.44	41.67
610-00-57081-000-000	TAXES -FICA	6,854.51	2,890.97	7,168.34	4,277.37	40.33
610-00-57343-000-000	ASSET:DISTRIBUTION MAINS	0.00	0.00	0.00	0.00	0.00
610-00-57345-000-000	NEW SERVICES	0.00	0.00	0.00	0.00	0.00
610-00-57346-000-000	METERS	0.00	0.00	0.00	0.00	0.00
610-00-57390-000-000	ASSET:STRUCTURES & IMPROVEMENT	0.00	0.00	0.00	0.00	0.00
610-00-57392-000-000	ASSET: TRANSPORTATION EQUIPMNT	0.00	0.00	0.00	0.00	0.00
610-00-57394-000-000	TOOLS,SHOP & GARAGE EQUIP	0.00	0.00	0.00	0.00	0.00
610-00-57403-000-000	DEPRECIATION	48,142.64	18,053.49	0.00	-18,053.49	0.00
610-00-57404-000-000	Contributed Deprec (Non-Op)	20,542.00	7,703.25	0.00	-7,703.25	0.00
610-00-57427-000-000	PRINCIPAL ON DEBT	0.00	0.00	93,425.00	93,425.00	0.00
610-00-57428-000-000	AMORTIZATION OF DEBT DISCOUNT	0.00	0.00	0.00	0.00	0.00
610-00-57431-000-000	INTEREST ON DEBT	41,475.93	20,420.84	40,107.43	19,686.59	50.92
610-00-57600-000-000	OPERATING SUPERVISION	33,715.82	24,159.34	38,860.10	14,700.76	62.17
610-00-57602-000-000	S.O.S.-Misc supplis	9,214.72	3,569.19	10,000.00	6,430.81	35.69
610-00-57605-000-000	MAIN OF WATER SOURCE PLANT	0.00	0.00	3,000.00	3,000.00	0.00
610-00-57620-000-000	OPERATION LABOR-POWER/PUMPING	4,187.96	111.80	8,850.00	8,738.20	1.26
610-00-57622-000-000	FUEL/POWER FOR PUMPING	25,008.59	8,871.25	25,000.00	16,128.75	35.49
610-00-57623-000-000	OPERATION SUPPLIES & EXPENSES	0.00	1,133.59	500.00	-633.59	226.72
610-00-57624-000-000	PUMP LABOR & EXPENSE	0.00	0.00	0.00	0.00	0.00
610-00-57625-000-000	MAINTENANCE OF PUMPING PLANT	3,175.42	1,338.80	4,150.00	2,811.20	32.26
610-00-57630-000-000	OPERATION WATER TREATMNT-LABOR	0.00	155.58	885.00	729.42	17.58
610-00-57631-000-000	WATER TREATMENT -CHEMICALS	25,691.41	10,758.68	44,000.00	33,241.32	24.45
610-00-57640-000-000	OPERATING LABOR-TRANS/DIST FAC	2,642.32	355.88	4,425.00	4,069.12	8.04
610-00-57641-000-000	TRANS& DISTR. SUPPLIES/EXPNSES	0.00	3,938.96	4,000.00	61.04	98.47
610-00-57642-000-000	WATER TREATMENT OPERATION	0.00	0.00	0.00	0.00	0.00
610-00-57650-000-000	MAINT DIST RESERVOIR/STANDPIPE	1,020.94	389.97	9,885.00	9,495.03	3.95
610-00-57651-000-000	MAINTENANCE OF MAINS	28,860.62	3,698.80	50,000.00	46,301.20	7.40
610-00-57652-000-000	MAINT SERVICE	18,319.86	8,580.16	15,000.00	6,419.84	57.20
610-00-57653-000-000	MAINTENANCE OF METERS	58,664.83	3,538.50	36,850.00	33,311.50	9.60
610-00-57654-000-000	MAINTENANCE OF HYDRANTS	11,896.13	2,138.53	10,000.00	7,861.47	21.39
610-00-57655-000-000	MAINTENANCE OF OTHER PLANT	0.00	0.00	0.00	0.00	0.00
610-00-57676-000-000	MAINT OF METERS	0.00	439.38	0.00	-439.38	0.00
610-00-57677-000-000	MAINT OF HYDRANTS	105.00	0.00	0.00	0.00	0.00
610-00-57901-000-000	METER READING LABOR	10,232.03	1,586.89	10,509.38	8,922.49	15.10
610-00-57902-000-000	ACCOUNTING AND COLLECTION LABO	24,933.84	10,389.10	24,933.84	14,544.74	41.67
610-00-57903-000-000	SUPPLIES, MERER READ, BILLING	1,446.04	468.26	5,000.00	4,531.74	9.37
610-00-57904-000-000	Cust A/C - Uncollectibel Accts	0.00	0.00	0.00	0.00	0.00
610-00-57920-000-000	ADMIN & GEN SALARY, CITY HALL	936.00	432.00	1,080.00	648.00	40.00
610-00-57921-000-000	OFFICE SUPPLIES & EXPENSE	10,939.46	0.00	25,000.00	25,000.00	0.00
610-00-57923-000-000	OUTSIDE SERV-ENGINEER, WTR TEST	21,587.62	6,185.68	20,000.00	13,814.32	30.93
610-00-57923-001-000	ADMIN & GEN--OUTSIDE SERV	0.00	0.00	0.00	0.00	0.00
610-00-57924-000-000	PROPERTY INSURANCE	2,446.11	2,159.37	9,500.00	7,340.63	22.73
610-00-57926-000-000	EMPLOYEE PENSIONS & BENEFITS	62,212.76	19,873.96	66,597.21	46,723.25	29.84
610-00-57928-000-000	REGULATORY COMMISSION	682.84	0.00	1,000.00	1,000.00	0.00
610-00-57930-000-000	MISC GENERAL EXPENSE	2,468.71	1,904.00	6,000.00	4,096.00	31.73
610-00-57933-000-000	TRANSPORTATION EXPENSE	5,954.40	1,388.82	5,500.00	4,111.18	25.25
CAPITAL OUTLAY		549,453.55	194,174.64	647,321.34	453,146.70	30.00
610-00-59000-000-000	OTHER FINANCING USES	0.00	0.00	0.00	0.00	0.00
610-00-59200-000-000	INTERFUND TRANSFER	0.00	0.00	0.00	0.00	0.00

Fund: 610 - WATER FUND

Account Number	2014 Actual 12/31/2014	2015 Actual 05/20/2015	2015 Budget	Budget Status	% of Budget
OTHER FINANCING USES	0.00	0.00	0.00	0.00	0.00
Total Expenses	549,453.55	194,174.64	647,321.34	453,146.70	30.00
Net Totals	116,043.38	62,283.50	45,434.17	-16,849.33	137.09

Fund: 620 - SEWER FUND

Account Number		2014 Actual 12/31/2014	2015 Actual 05/20/2015	2015 Budget	Budget Status	% of Budget
620-00-44190-000-000	INTEREST AND DIVIDEND INTEREST	213.73	22.52	500.00	-477.48	4.50
620-00-44191-000-000	INTEREST SPECIAL ASSESSMENTS	0.00	61.11	1,515.00	-1,453.89	4.03
620-00-44192-000-000	CAPITAL CONTRIBUTIONS	0.00	0.00	0.00	0.00	0.00
620-00-44210-000-000	MISC. NON-OPERATING INCOME	1,902.29	0.00	1,500.00	-1,500.00	0.00
620-00-44210-001-000	MISC. NON-OPERATING INCOME	2,596.95	277.00	3,000.00	-2,723.00	9.23
620-00-44290-000-000	AMORTIZATION OF DEBT PREMIUM	0.00	0.00	0.00	0.00	0.00
620-00-44320-000-000	INTEREST CHARGED TO CONST	0.00	0.00	0.00	0.00	0.00
LICENSES AND PERMITS		4,712.97	360.63	6,515.00	-6,154.37	5.54
620-00-46211-000-000	FLAT RESIDENTIAL SEWER	1,106.08	622.18	1,000.00	-377.82	62.22
620-00-46221-000-000	METERED RESIDENTIAL SEWER	430,519.55	186,863.78	450,000.00	-263,136.22	41.53
620-00-46221-001-000	METERED MULTI FAM RES SEWER	9,603.20	9,300.92	10,500.00	-1,199.08	88.58
620-00-46222-000-000	METERED COMMERCIAL SEWER	226,528.37	91,040.10	250,000.00	-158,959.90	36.42
620-00-46223-000-000	METERED INDUSTRIAL SEWER	103,063.82	36,626.44	105,000.00	-68,373.56	34.88
620-00-46224-000-000	METERED PUBLIC AUTHORITY	32,903.37	11,533.94	30,000.00	-18,466.06	38.45
620-00-46226-000-000	Leachate Treatment	0.00	0.00	0.00	0.00	0.00
620-00-46230-000-000	BOD CHARGES - HARLEY DAVIDSON	0.00	0.00	0.00	0.00	0.00
620-00-46310-000-000	PENALTIES	0.00	0.00	0.00	0.00	0.00
620-00-46320-000-000	SERVICING CUSTOMER LATERALS	0.00	0.00	0.00	0.00	0.00
620-00-46350-000-000	MISC. OPERATING REVENUE	350.00	0.00	350.00	-350.00	0.00
PUBLIC CHARGES FOR SERVICES		804,074.39	335,987.36	846,850.00	-510,862.64	39.67
620-10-49200-000-000	TRANSFER	0.00	0.00	0.00	0.00	0.00
620-10-49200-001-000	TRANSFER TO OTHER FUNDS	0.00	0.00	0.00	0.00	0.00
DONATIONS		0.00	0.00	0.00	0.00	0.00
Total Revenues		808,787.36	336,347.99	853,365.00	-517,017.01	39.41

Fund: 620 - SEWER FUND

Account Number	2014 Actual 12/31/2014	2015 Actual 05/20/2015	2015 Budget	Budget Status	% of Budget	
620-00-59080-000-000	TAXES	0.00	0.00	0.00	0.00	0.00
620-00-59081-000-000	TAXES -FICA	12,688.33	4,388.70	12,029.17	7,640.47	36.48
620-00-59200-000-000	INTERFUND TRANSFER	0.00	0.00	0.00	0.00	0.00
620-00-59313-000-000	COLLECTING MAINS & ACCESSORIES	0.00	0.00	0.00	0.00	0.00
620-00-59379-000-000	ASSET: GEN EQUIP. LAB, COMMUNI	0.00	0.00	0.00	0.00	0.00
620-00-59403-000-000	DEPRECIATION	128,949.92	48,356.22	0.00	-48,356.22	0.00
620-00-59427-000-000	PRINCIPAL ON DEBT	0.00	0.00	210,708.57	210,708.57	0.00
620-00-59431-000-000	INTEREST ON DEBT	97,302.50	47,087.13	90,951.37	43,864.24	51.77
620-00-59432-000-000	AMORTIZATION OF DEBT DISCOUNT	0.00	0.00	0.00	0.00	0.00
620-00-59820-000-000	OPERATION SUPERVISION & LABOR	151,248.97	54,740.06	133,707.21	78,967.15	40.94
620-00-59821-000-000	POWER & FUEL FOR PUMPING	77,144.46	28,050.59	67,000.00	38,949.41	41.87
620-00-59823-000-000	CHLORINE	0.00	0.00	0.00	0.00	0.00
620-00-59825-000-000	SLUDGE CONDITIONING CHEMICALS	6,084.10	2,417.04	7,000.00	4,582.96	34.53
620-00-59826-000-000	OTHER CHEMICALS-SEWAGE	0.00	0.00	0.00	0.00	0.00
620-00-59827-000-000	OTHER OPERATING SUPPLIES	16,843.86	2,917.57	14,500.00	11,582.43	20.12
620-00-59828-000-000	OPERATION-TRANSPORTATION	43,819.63	1,406.90	1,500.00	93.10	93.79
620-00-59831-000-000	MAINT SEWAGE COLLECTIONS	3,374.28	0.00	26,000.00	26,000.00	0.00
620-00-59832-000-000	MAINT COLLECTION SYSTEM PUMP	5,639.93	7,852.73	13,000.00	5,147.27	60.41
620-00-59833-000-000	MAINT TREATMENT/DISPOSAL PLANT	8,880.75	7,068.82	15,000.00	7,931.18	47.13
620-00-59833-001-000	MAINT TREATMENT/DISPOSAL PLANT	0.00	0.00	0.00	0.00	0.00
620-00-59834-000-000	MAINT GENERAL PLANT STRUCTURE	9,047.80	30,087.45	0.00	-30,087.45	0.00
620-00-59834-001-000	MAINT GENERAL PLANT STRUCTURE	0.00	0.00	0.00	0.00	0.00
620-00-59835-000-000	MAINT OF METERS	5,750.29	2,129.64	36,850.00	34,720.36	5.78
620-00-59840-000-000	BILLING, COLLECTING & ACCTG	33,862.60	13,975.16	35,000.00	21,024.84	39.93
620-00-59842-000-000	METER READING	10,528.26	1,743.28	10,509.38	8,766.10	16.59
620-00-59850-000-000	ADMIN & GENERAL SALARIES	980.00	512.00	1,080.00	568.00	47.41
620-00-59851-000-000	OFFICE SUPPLIES & EXPENSES	21,510.73	4,944.66	21,300.00	16,355.34	23.21
620-00-59852-000-000	OUTSIDE SERVICES EMPLOYED	313,885.97	79,408.40	11,000.00	-68,408.40	721.89
620-00-59852-001-000	OUTSD SERV.-TEST/SLUDGE HAUL	19,421.85	1,419.26	23,000.00	21,580.74	6.17
620-00-59852-002-000	OUTSD SERV.-PHOSPHOROUS	3,368.06	0.00	5,000.00	5,000.00	0.00
620-00-59853-000-000	INSURANCE EXPENSE	2,446.11	2,159.36	9,500.00	7,340.64	22.73
620-00-59854-000-000	EMPLOYEE PENSIONS & BENEFITS	61,940.66	20,054.84	71,045.23	50,990.39	28.23
620-00-59855-000-000	REGULATORY COMMISSION	0.00	0.00	2,000.00	2,000.00	0.00
620-00-59856-000-000	MISC. GENERAL EXPENSE	7,329.34	1,317.76	10,000.00	8,682.24	13.18
=====						
OTHER FINANCING USES		1,042,048.40	362,037.57	827,680.93	465,643.36	43.74
=====						
Total Expenses		1,042,048.40	362,037.57	827,680.93	465,643.36	43.74
=====						
Net Totals		-233,261.04	-25,689.58	25,684.07	51,373.65	-100.02

CITY OF TOMAHAWK - QUANTITIES - Sewer Rehab Project

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT PRICE	TOTAL PRICE	Current as of:	
						QUANTITY TO DATE	PRICE TO DATE
BASE PROJECT							
1	Mobilization, Bonds, & Insurance	1	L.S.	\$4,500.00	\$4,500.00	1	\$ 4,500.00
2	Traffic Control	1	L.S.	\$5,000.00	\$5,000.00	1	\$ 5,000.00
3	Pre-Work Cleaning, Root Removal and CCTV Inspection	6,983	L.F.	\$2.00	\$13,966.00	7206	\$ 14,412.00
4	CIPP Sanitary Sewer, 8"	4,303	L.F.	\$20.90	\$89,932.70	3630	\$ 75,867.00
5	CIPP Sanitary Sewer, 10"	758	L.F.	\$34.25	\$25,961.50	1651	\$ 56,546.75
6	CIPP Sanitary Sewer, 15"	1,922	L.F.	\$57.60	\$110,707.20	1925	\$ 110,880.00
7	CIPP Pre-Liner, 15"	336	L.F.	\$1.00	\$336.00	334	\$ 334.00
8	Cut Protruding Taps	2	EA.	\$160.00	\$320.00	2	\$ 320.00
9	Reinstate Sanitary Lateral	47	EA.	\$125.00	\$5,875.00	43	\$ 5,375.00
10	Lateral Cleaning to 60-inches	34	EA.	\$310.00	\$10,540.00	34	\$ 10,540.00
11	Test/Seal Lateral Connection to 60-inches	47	EA.	\$405.00	\$19,035.00	47	\$ 19,035.00
12	Manhole Sealing, Each	2	EA.	\$765.00	\$1,530.00	2	\$ 1,530.00
13	Sealing Grout	550	Gallons	\$8.00	\$4,400.00	108	\$ 864.00
14	Point Repair Sanitary Sewer	2	EA.	\$6,600.00	\$13,200.00	0	\$ -
15	Construct Sanitary Manhole Bench	1	EA.	\$1,400.00	\$1,400.00	1	\$ 1,400.00
16	Manhole Interior Rehabilitation - Cement	270	V.F.	\$138.00	\$37,260.00	197.01	\$ 27,187.38
17	Manhole Rehabilitation - 3" Liner	12	EA.	\$3,500.00	\$42,000.00	12	\$ 42,000.00
18	8-Inch Diameter PVC Sanitary Sewer	40	L.F.	\$540.00	\$21,600.00	0	\$ -
19	12-Inch Thick CABC	160	S.Y.	\$21.00	\$3,360.00	0	\$ -
20	4-Inch Thick Asphaltic Pavement	160	S.Y.	\$110.00	\$17,600.00	0	\$ -
21	Sawcut Asphaltic Pavement	500	L.F.	\$5.00	\$2,500.00	0	\$ -
Sub-Total BASE PROJECT Items #1-#21					\$431,023.40		\$375,791.13
ADDITIONAL PROJECT #1							
1	Mobilization, Bonds, & Insurance	1	L.S.	\$6,000.00	\$6,000.00	1	\$ 6,000.00
2	Traffic Control	1	L.S.	\$2,000.00	\$2,000.00	1	\$ 2,000.00
3	Pre-Work Cleaning, Root Removal and CCTV Inspection	1,071	L.F.	\$2.00	\$2,142.00	1071	\$ 2,142.00
4	CIPP Sanitary Sewer, 12"	689	L.F.	\$26.00	\$17,914.00	0	\$ -
5	CIPP Sanitary Sewer, 15"	382	L.F.	\$43.25	\$16,521.50	393	\$ 16,997.25
6	Cut Protruding Taps	4	EA.	\$160.00	\$640.00	4	\$ 640.00
7	Reinstate Sanitary Lateral	25	EA.	\$125.00	\$3,125.00	27	\$ 3,375.00
8	Lateral Cleaning to 60-inches	14	EA.	\$310.00	\$4,340.00	14	\$ 4,340.00
9	Test/Seal Lateral Connection to 60-inches	25	EA.	\$365.00	\$9,125.00	25	\$ 9,125.00
10	Sealing Grout	250	Gallons	\$8.00	\$2,000.00	250	\$ 2,000.00
11	Point Repair Sanitary Sewer	1	EA.	\$6,600.00	\$6,600.00	0	\$ -
12	Construct Sanitary Manhole Bench	2	EA.	\$1,400.00	\$2,800.00	3	\$ 4,200.00
13	Manhole Interior Rehabilitation - Cement	48	V.F.	\$118.00	\$5,664.00	34.25	\$ 4,041.50
14	Manhole Rehabilitation - 3" Liner	4	EA.	\$3,500.00	\$14,000.00	6	\$ 21,000.00
15	12-Inch Diameter PVC Sanitary Sewer	20	L.F.	\$683.00	\$13,660.00	0	\$ -
16	15-Inch Diameter PVC Sanitary Sewer	20	L.F.	\$840.00	\$16,800.00	0	\$ -
17	12-Inch Thick CABC	100	S.Y.	\$21.00	\$2,100.00	0	\$ -
18	4-Inch Thick Asphaltic Pavement	100	S.Y.	\$110.00	\$11,000.00	0	\$ -
19	Sawcut Asphaltic Pavement	150	L.F.	\$5.00	\$750.00	0	\$ -
Sub-Total Additional Project #1 Items #1-#19					\$137,181.50	\$	75,860.75
ADDITIONAL PROJECT #2							
1	Mobilization, Bonds, & Insurance	1	L.S.	\$2,200.00	\$2,200.00	1	\$ 2,200.00
2	Traffic Control	1	L.S.	\$1,000.00	\$1,000.00	1	\$ 1,000.00
3	8" CIPP Short Liner, 10 Foot length	2	EA.	\$2,690.00	\$5,380.00	2	\$ 5,380.00
4	Lateral Cleaning to 60-inches	3	EA.	\$305.00	\$915.00	3	\$ 915.00
5	Test/Seal Lateral Connection to 60-inches	7	EA.	\$365.00	\$2,555.00	7	\$ 2,555.00
6	Manhole Sealing, Each	23	EA.	\$415.00	\$9,545.00	23	\$ 9,545.00
7	Sealing Grout	1,900	Gallons	\$8.00	\$15,200.00	1900	\$ 15,200.00
Sub-Total Additional Project #2 Items #1-#7					\$36,795.00	\$	36,795.00
ADDITIONAL PROJECT #3							
1	Mobilization, Bonds, & Insurance	1	L.S.	\$4,600.00	\$4,600.00	1	\$ 4,600.00
2	Traffic Control	1	L.S.	\$500.00	\$500.00	1	\$ 500.00
3	Pre-Work Cleaning, Root Removal and CCTV Inspection	7,644	L.F.	\$1.00	\$7,644.00	7644	\$ 7,644.00
4	8" CIPP Short Liner, 10 Foot length	3	EA.	\$2,490.00	\$7,470.00	3	\$ 7,470.00
5	Lateral Cleaning to 60-inches	35	EA.	\$305.00	\$10,675.00	35	\$ 10,675.00
6	Test/Seal Lateral Connection to 60-inches	53	EA.	\$365.00	\$19,345.00	53	\$ 19,345.00
7	Mainline Joint Testing, Each	721	EA.	\$26.00	\$18,746.00	750	\$ 19,500.00
8	Seal/Grout Mainline Joint, 8" & 10" Each	98	EA.	\$24.00	\$2,352.00	600	\$ 14,400.00
9	Manhole Sealing, Each	31	EA.	\$415.00	\$12,865.00	31	\$ 12,865.00
10	Sealing Grout	2,800	Gallons	\$8.00	\$22,400.00	2799.25	\$ 22,394.00
11	Point Repair Sanitary Sewer	1	EA.	\$6,600.00	\$6,600.00	0	\$ -
12	Construct Sanitary Manhole Bench	2	EA.	\$1,400.00	\$2,800.00	0	\$ -
13	8-Inch Diameter PVC Sanitary Sewer	20	L.F.	\$510.00	\$10,200.00	0	\$ -
14	12-Inch Thick CABC	100	S.Y.	\$21.00	\$2,100.00	0	\$ -
15	4-Inch Thick Asphaltic Pavement	100	S.Y.	\$110.00	\$11,000.00	0	\$ -
16	Sawcut Asphaltic Pavement	60	L.F.	\$5.00	\$300.00	0	\$ -
Sub-Total Additional Project #3 Items #1-#16					\$139,597.00	\$	119,393.00
PROJECT SUMMARY							
Sub-Total Items #1-#21					\$431,023.40		\$375,791.13
Sub-Total Items #1-#19					\$137,181.50	\$	75,860.75
Sub-Total Items #1-#7					\$36,795.00	\$	36,795.00
Sub-Total Items #1-#16					\$139,597.00	\$	119,393.00
					\$744,596.90		\$607,839.88

Change Order No. 1

Date of Issuance: 3/23/15 Effective Date: 3/26/15

Project: WWTF Upgrade	Owner: City of Tomahawk	Owner's Contract No.:
Contract: Tomahawk Wastewater Treatment Facility Upgrade		Date of Contract: 12/30/14
Contractor: Staab Construction		Engineer's Project No.: 00046044

The Contract Documents are modified as follows upon execution of this Change Order:

Description:

Addition of Grit Pad

Attachments (list documents supporting change):

Staab C.O. proposal 4481-CO, Re: Grit Pad

CHANGE IN CONTRACT PRICE:

CHANGE IN CONTRACT TIMES:

Original Contract Price:

\$1,534,171.00

Original Contract Times:

Working days

Calendar days

— Substantial completion (days or date): _____

— Ready for final payment (days or date): _____

Increase from previously approved Change Orders No. 0 to No. 0

\$0

[Increase] [Decrease] from previously approved Change Orders
No. _____ to No. _____

— Substantial completion (days): _____

— Ready for final payment (days): _____

Contract Price prior to this Change Order:

\$1,534,171.00

Contract Times prior to this Change Order:

— Substantial completion (days or date): _____

— Ready for final payment (days or date): _____

Increase of this Change Order:

\$82,617

[Increase] [Decrease] of this Change Order:

— Substantial completion (days or date): _____

— Ready for final payment (days or date): _____

Contract Price incorporating this Change Order:

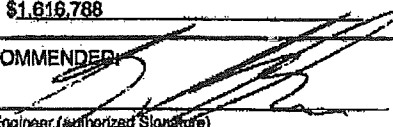
\$1,616,788

Contract Times with all approved Change Orders:

— Substantial completion (days or date): _____

— Ready for final payment (days or date): _____

RECOMMENDED:

By: 
Engineer (Authorized Signature)

Date: 3/23/15
Approved by Funding Agency (if applicable):

ACCEPTED:

By: _____
Owner (Authorized Signature)

Date: _____

ACCEPTED:

By: 
Contractor (Authorized Signature) Kevin J. Leick,

Date: 3/24/15 Sr. Vice President

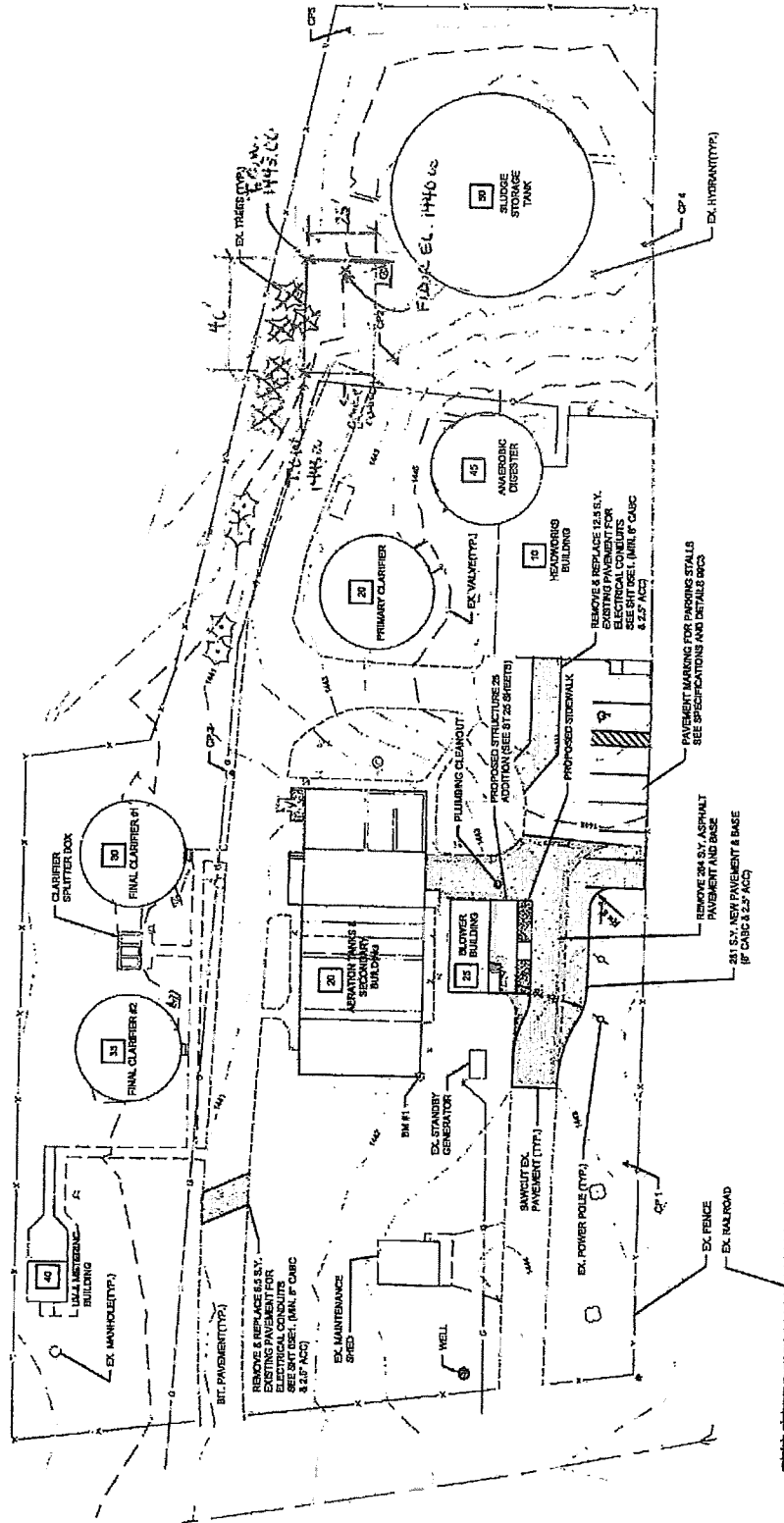
Date: _____

GENERAL NOTES

1. ALL DISTURBED TURFED AREAS SHALL BE RESTORED PER THE SPECIFICATIONS.
2. ELEVATIONS ARE BASED ON UDSS DATUM.
3. CONSTRUCTION COORDINATES ARE PROVIDED FOR ALL CONSTRUCTION. CONTRACTORS SHALL VERIFY CONSTRUCTION AREAS AND MAKE ADJUSTMENTS TO THE RIGHT TO MAKE ADJUSTMENTS IN THE FIELD PRIOR TO CONTRACTORS LAYOUT.
4. COORDINATE SYSTEM BASED ON ENGINEERS' PUBLISHED REFERENCE AND CONTROL FOR THE PROJECT. CONTRACTORS SHALL DETERMINE BASIS FOR THIS SYSTEM AND CONSTRUCTION COORDINATES.
5. CONTRACTORS SHALL NOT TRACK OR SPILL GROUT, BENTONITE OR OTHER CONSTRUCTION MATERIAL ON PUBLIC OR PRIVATE STREETS OR ADJACENT AREAS. CONTRACTORS SHALL BE RESPONSIBLE FOR IMMEDIATE ASSOCIATED CLEANUP.
6. CONTRACTOR SHALL MAKE ADJUSTMENTS TO GRADES AND TO MAINTAIN DRAINAGE.

CONTROL POINT & BENCHMARK TABLE

NO.	TYPE	NORTHING & EASTING DESCRIPTION	ELEV.
BM 1	CHBL X	SEE COR AERATION TANK #3	1442.78
CP 1	8" REBAR	220223.116, 384193.488	1442.08
CP 2	8" REBAR	220198.282, 383972.235	1442.15
CP 3	8" D NAIL	220203.116, 384003.485	1440.78
CP 4	8" D NAIL	220188.297, 384023.089	1441.61
CP 5	8" D NAIL	220204.487, 383985.723	1438.83



WWTF SITE PLAN

DATE: 08/20/2015

SCALE: 1" = 80'-0" (1/8" = 10')

PROJECT NO: 15-001

ISSUE NO: 01

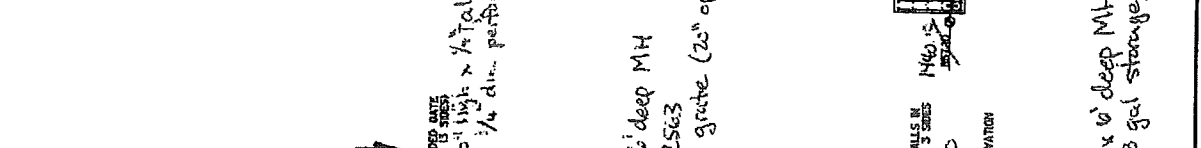
DATE: 08/20/2015

SCALE: 1" = 80'-0" (1/8" = 10')

<p>MSA MUNICIPAL SERVICES AUTHORITY</p>		<p>2015 WWTF UPGRADE CITY OF TOMAHAWK LINCOLN COUNTY, WISCONSIN</p>	
<p>PROJECT NO: 15-001</p>		<p>DATE: 08/20/2015</p>	
<p>ISSUE NO: 01</p>		<p>DATE: 08/20/2015</p>	
<p>SCALE: 1" = 80'-0" (1/8" = 10')</p>		<p>SCALE: 1" = 80'-0" (1/8" = 10')</p>	
<p>PROJECT NO: 15-001</p>		<p>DATE: 08/20/2015</p>	
<p>ISSUE NO: 01</p>		<p>DATE: 08/20/2015</p>	
<p>SCALE: 1" = 80'-0" (1/8" = 10')</p>		<p>SCALE: 1" = 80'-0" (1/8" = 10')</p>	



1 SECTION
 61-SY SCALE 1/8" = 1'-0" (225X)
 SCALE 1/8" = 1'-0" (1147)



2 SECTION
 61-SY SCALE 1/8" = 1'-0" (225X)
 SCALE 1/8" = 1'-0" (1147)



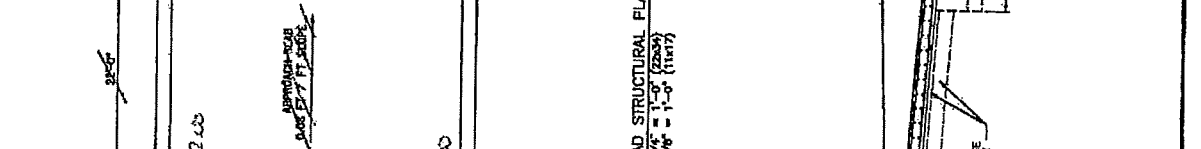
3 SECTION
 61-SY SCALE 1/8" = 1'-0" (225X)
 SCALE 1/8" = 1'-0" (1147)



4 SECTION
 61-SY SCALE 1/8" = 1'-0" (225X)
 SCALE 1/8" = 1'-0" (1147)



5 SECTION
 61-SY SCALE 1/8" = 1'-0" (225X)
 SCALE 1/8" = 1'-0" (1147)



6 SECTION
 61-SY SCALE 1/8" = 1'-0" (225X)
 SCALE 1/8" = 1'-0" (1147)



7 SECTION
 61-SY SCALE 1/8" = 1'-0" (225X)
 SCALE 1/8" = 1'-0" (1147)

8 SECTION
 61-SY SCALE 1/8" = 1'-0" (225X)
 SCALE 1/8" = 1'-0" (1147)

9 SECTION
 61-SY SCALE 1/8" = 1'-0" (225X)
 SCALE 1/8" = 1'-0" (1147)



GREG GUNDERSON
 M S A PROFESSIONAL SERVICES
 1230 SOUTH BLVD
 BARABOO, WI 53913-2791

File: 4481- CO
 Date: 03/17/2015
 Project: 4481- TOMAHAWK WWTF
 Re: GRIT PAD AND PIPING ADDITION

PCO: 03 PCO Item #: 1

Staab PM Change Order Estimate

Phase	Description	Comments	Qty	UM	Material	Indirect	Rent	Hours	Rate	Labor	Sub	Equip	Totals
1002-	Project Management / Supervision		598	CLH				44	111.82	4,920			4,920
1400-	Quality Control		4	SET		298		4	101.46	355	267		920
2050-	Demolition		1	LS	103			12	103.43	1,241	906		2,250
2222-	Structural Excavation - Entire Site		0	CCY		1,246		35	100.90	3,531			4,777
2510-	Asphalt Paving		0	SY							1,388		1,388
2605-	Manholes		1	LS	3,437			12	98.81	1,186			4,623
2690-	Pipe Excavation & Backfill - Entire Site		0	BCY	181	129		7	100.90	706			1,016
3000-	CONCRETE		51	CY	10,893	212		353	103.58	36,564			47,669
5500-	Metal Fabrications		1	LS	5,665			20	101.89	2,010			7,675
7900-	Joint Sealants		0	LF	86			2	104.98	210			296
11292-	SLIDE GATES		1	EA				9	100.80	907		1,660	2,567
	Total Cost				20,365	298	1,587	497		51,632	2,561	1,660	78,103
	Percent Margin				15.00%	15.00%	15.00%				5.00%	15.00%	
	Margin				3,055	45	238				128	249	3,715
	Contract Price Sub-Total				23,420	343	1,825			51,632	2,683	1,909	81,817
1220-	BONDS												800
	Contract Price Total												82,617

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Chapter 98

Utilities*

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***Cross References** - Any ordinance establishing utility rates and charges saved from repeal, § 1-10(9); Administration, Chapter 2; Plumbing Code, § 18-121 et seq; Businesses, Chapter 22; Environment, Chapter 30; Floods, Chapter 38; Health and Sanitation, Chapter 42; Manufactured Homes and Trailers, Chapter 58; Planning, Chapter 74; Solid Waste, Chapter 78; Streets, Sidewalks and Public Places, Chapter 82; Subdivisions, Chapter 86.

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Article I. In General

Section 98-1. Separate Utilities.

The waterworks system and sewage disposal system of the city shall be operated as separate utilities.

(Code 1989, § 13.01; Ordinance Number 1995-3, § I, 4-5-1995)

Section 98-2. Management of Utilities.

The council shall manage the individual utilities as provided in Wisconsin Statute 66.085, however, the council may create a commission under Wisconsin Statute 66.0805, to supervise the utilities under the general control and supervision of the council.

(Code 1989, § 13.02; Ordinance Number 1995-3, § I, 4-5-1995)

Section 98-3. Rates, Rules, and Regulations.

The rates, rules and regulations of each of the utilities shall be those approved by the council or the appointed commission.

(Code 1989, § 13.03; Ordinance Number 1995-3, § 4-5-1995)

Section 98-4. Compulsory Connection to Sewer and Water.

- (a) To ensure preservation of public health, comfort and safety, the owner or the agent of the owner of any building used for human habitation and located adjacent to a sewer or water main, or in a block through which one or both of such systems extend, shall connect therewith after notice as provided in this section.
- (b) When a sewer and water main becomes available to any building used for habitation in the city, the health officer shall notify, in writing, the owner or his or her agent, to connect the building thereto and to install such facilities as may be reasonably necessary. The manner of connection shall be prescribed by the health officer.
- (c) The notices required of this chapter shall be given by registered mail addressed to the last known address of the owner or his or her agent.
- (d) If the owner or his or her agent fails to comply, after ten days' notice as provided in this section, the notifying officer may cause connection to be made and the expense thereof assessed as a special tax against the property.
- (e) The owner or his or her agent may within 30 days after the completion of the work, file a written option with the city clerk stating that he or she cannot pay the cost of the connection in one sum and electing that such be levied in five equal annual installments, with interest on the unpaid balance at eight percent per annum.

(Code 1989, § 11.07)

Sections 98-5 – 98-30. Reserved.

Article II. Commission*

Section 98-31. Membership.

The water and sewer utility commission shall consist of five citizens appointed by the mayor subject to confirmation by the common council. The initial water and sewer utility commission members appointed and confirmed at the passage of this amendment shall serve the number of years designated by the mayor and confirmed by the common council. Thereafter, one member shall be appointed annually to serve a term of five years.

(Code 1989, § 1.04(8))

Sections 98-32 – 98-60. Reserved.

Article III. Sewers and Sewage Disposal

Section 98-61. Definitions.

The following words, terms and phrases, when used in this article, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

Approving Authority means the superintendent of the city wastewater treatment plant or his or her duly authorized deputy, agent, or representative.

BOD (Denoting Biochemical Oxygen Demand) means the quantity of oxygen utilized in the biochemical oxidation of organic matter in five days at 20 degrees Celsius, expressed as milligrams per liter. Quantitative determination of BOD shall be made in accordance with procedures set forth in Standard Methods.

City means the City of Tomahawk.

Combined Sewer means a sewer receiving both surface runoff and sewage.

Chlorine Requirement means the amount of chlorine, in milligrams per liter, which must be added to sewage to produce a specified residual chlorine content in accordance with procedures set forth in Standard Methods.

Garbage means the residue from the preparation, cooking and dispensing of food and from the handling, storage and sale of food products and produce.

Ground Garbage means the residue from the preparation, cooking and dispensing of food that has been shredded to such degree that all particles will be carried freely in suspension under the flow conditions normally prevailing in public sewers with no particle greater than one-half-inch in any dimension.

Industrial Waste means any solid, liquid or gaseous substance discharged, permitted to flow or escaping from any industrial manufacturing process, trade or business, as distinct from sanitary sewage.

Natural Outlet means any outlet into a watercourse, pond, ditch, lake or other body of surface water.

***Cross Reference** – Boards, Commissions and Committees, § 2-191 et seq.

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Parts per Million means a weight to weight ratio; the parts per million value multiplied by the factor 8.345 shall be equivalent to pounds per million gallons of water.

Person means any person, including any individual, firm, company, municipal or private corporation, association, society, institution, enterprise, governmental agency or other entity.

pH means the logarithm of the reciprocal of the weight of hydrogen ions in grams per liter of solution.

Public Sewer means any sewer provided by or subject to the jurisdiction of the city. It shall also include sewers within or outside the city boundaries that serve one or more persons and ultimately discharge into the city sanitary or combined sewer system, even though those sewers may not have been constructed with city funds.

Sanitary Sewage means a combination of water-carried wastes from residences, business buildings, institutions and industrial plants, other than industrial wastes from such plants; together with such ground-waters, surface waters and storm-waters as may be present.

Sanitary Sewer means a sewer that conveys sewage or industrial wastes or a combination of both, and into which storm-waters, surface waters, and ground-waters or unpolluted industrial wastes are not intentionally admitted.

Sewage means the water-carried human, animal and household wastes in a public or private drain, and may include ground-water infiltration, surface drainage and industrial wastes.

Sewage Disposal Works means all facilities for collecting, pumping, treating, and disposing of sewage and industrial waste, and it includes sewerage as well as the wastewater treatment plant.

Sewer means a pipe or conduit for conveying sewage or any other waste liquids, including storm, surface and ground-water drainage.

Sewerage means the system of sewers and appurtenances for the collection, transportation and pumping of sewage and industrial wastes.

Shall is mandatory; may is permissible.

Slug means any discharge of water, sewage or industrial waste which in concentration of any given constituent or in quantity of flows exceeds for any period of duration longer than 15 minutes more than five times the average 24-hour concentration or flows during normal operation.

Standard Methods means the examination and analytical procedures set forth in the most recent edition of Standard Methods for the Examination of Water, Sewage and Industrial Wastes published jointly by the American Public Health Association, the American Water Works Association and the Federation of Sewage and Industrial Wastes Associations.

Storm Sewer means a sewer that carries storm, surface and ground-water drainage but excludes sewage and industrial wastes.

Storm-Water Runoff means that portion of the rainfall that is drained into the sewers.

Suspended Solids means solids that either float to the surface of, or are in suspension in, water, sewage, or industrial waste, and which are removable by a laboratory filtration device. Quantitative determination of suspended solids shall be made in accordance with procedures set forth in Standard Methods.

Wastewater is synonymous with sewage and shall mean the water-carried human, animal and household waste in a public or private drain, and may include ground-water infiltration, surface drainage and industrial wastes.

Wastewater Treatment Plant means an assemblage of devices, structures and equipment for treating sewage and industrial waste.

(Code 1989, § 13.04(1))

Cross Reference – Definitions, Generally, § 1-2.

Section 98-62. Use of the Public Sewers.

- (a) *Sanitary Sewers.* No person shall cause to be discharged any storm-water, surface drainage, subsurface drainage, groundwater, roof runoff, cooling water or unpolluted water into any sanitary sewer.
- (b) *Storm Sewers.* Storm-water and all other unpolluted drainage shall be discharged to such sewers as are specifically designated as storm sewers, or to a natural outlet approved by the approving authority. Industrial cooling water or unpolluted process waters may be discharged, on approval of the approving authority, to a storm sewer or natural outlet. Such approval is subject to review by the state department of natural resources, division of environmental protection.
- (c) *Prohibitions and Limitations.* Except as hereinafter provided, no person shall discharge or cause to be discharged any of the following described waters or wastes to any public sewer:
 - (1) Any gasoline, benzine, naphtha, fuel oil, or other flammable or explosive liquid, solid or gas.
 - (2) Any waters or wastes containing toxic or poisonous solids, liquids, or gases in sufficient quantity, either singly or by interaction with other wastes, to injure or interfere with any sewage treatment process, constitute a hazard to humans or animals or create any hazard in the receiving waters of the wastewater treatment plant.
 - (3) Any waters or wastes having a pH lower than 5.5 or having any other corrosive property capable of causing damage or hazard to structures, equipment and personnel of the wastewater treatment plant.
 - (4) Any waters or wastes having a pH in excess of 9.5.
 - (5) Solid or vicious substances in quantities or of such size capable of causing obstruction to the flow in sewers, or other interference with the proper operation of the sewage works such as, but not limited to, ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, unground garbage, whole blood, paunch manure, hair and fleshings, entrails and paper dishes, cups, milk containers, etc. either whole or ground garbage grinders. Suspended solids concentration shall be limited to 250 mg/l per 24-hour composite.

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- (6) No person shall discharge or cause to be discharged the following described substances, materials, waters or wastes if it appears likely in the opinion of the approving authority that such wastes can harm either the sewers, sewage treatment plant or equipment, have an adverse effect on the receiving stream, or can otherwise endanger life, limb, property or constitute a nuisance. In forming his or her opinion as to the acceptability of these wastes, the approving authority shall give consideration to such factors as the quantities of subject wastes in relation to flows and velocities in sewers, materials of construction of the sewers, nature of the wastewater treatment process, capacity of the wastewater treatment plant, and other pertinent factors. The substances prohibited are:
- a. Any liquid or vapor having a temperature higher than 150 degrees Fahrenheit.
 - b. Any water or waste containing fats, wax, grease, or oils, whether emulsified or not, in excess of 100 mg/l or containing substances which may solidify or become viscous at temperatures between 32 and 150 degrees.
 - c. Any commercial garbage that has not been properly shredded. The installation and operation of any commercial grinder equipped with a motor of one horsepower or greater shall be subject to the review and approval of the approving authority. A permit shall be obtained from the city clerk prior to the installation of such commercial garbage grinder unit. The fee for such permit shall be \$2.00.
 - d. Any waters or wastes containing iron, copper, zinc, and similar objectionable or toxic substances; or wastes exerting an excessive chlorine requirement, to such a degree any such material discharged in the composite sewage to the sewer exceeds limits established by the approving authority for such materials.
 - e. Any waters or wastes discharged to the sewer containing over 0.1 mg/l hexavalent chromium per 24-hour composite.
 - f. Any waters or wastes containing phenols or other taste- or odor-producing substances in such concentrations exceeding limits which may be established by the approving authority as necessary after treatment of the composite sewage, to meet the requirements of the state, federal or other public agencies of jurisdiction for such discharge to the receiving waters.
 - g. Any radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by the approving authority in compliance with state or federal regulations.
 - h. Materials with exert or cause:
 - (1) BOD of over 300 mg/l per 24-hour composite, and chemical oxygen demand or chlorine requirements in such quantities as to constitute a significant load on the wastewater treatment plant.
 - (2) Unusual volume of flow or concentration of wastes constituting slugs.
 - (3) Unusual concentrations of inert suspended solids, such as, but not limited to, fuller's earth, lime slurries, and lime residues, or of dissolved solids, such as, but not limited to, sodium sulfate.

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- (4) Excessive discoloration, such as, but not limited to, dye wastes and vegetable tanning solutions.
- (5) Waters or wastes containing substances which are not amenable to treatment or reduction by the wastewater treatment processes employed, or are amendable to treatment only to such degree that the wastewater treatment plant effluent cannot meet the requirements of the state department of natural resources, division of environmental protection

(d) *Special Arrangements.* No statement contained in this article shall prohibit any special agreement between the city any person whereby an industrial waste of unusual strength or character may be admitted to the sewage disposal works, either before or after pretreatment, provided there is no impairment of the functioning of the sewage disposal works by reason of the admission of such wastes, and no extra costs are incurred by the city without recompense by the person.

(Code 1989, § 13.04(2))

Section 98-63. Control of Industrial Wastes Directed to Public Sewers.

(a) *Approval Required.* Review and acceptance of the approving authority shall be obtained prior to the discharge into the public sewers of any waters or wastes having:

- (1) A BOD greater than 250 mg/l.
- (2) A suspended solids concentration greater than 250 mg/l.
- (3) A chlorine requirement greater than 25 mg/l.

(b) *Submission of Basic Data.* Within three months after passage of this article each person who discharges industrial wastes to a public sewer shall prepare and file with the approving authority a report that shall include pertinent data relating to the quantity and characteristics of the wastes discharged to the sewage disposal works. Similarly, each person desiring to make a new connection to a public sewer for the purpose of discharging industrial wastes shall prepare and file with the approving authority a report that shall include actual or predicted data relating to the quantity and characteristics of the waste to be discharged.

(c) *Extension of Time.* When it can be demonstrated that circumstances exist which would create an unreasonable burden on the person to comply with the time schedule imposed by subsection (b) of this section, a request for extension of time may be presented for consideration of the approving authority.

(d) *Control Manholes.* Each person discharging industrial wastes into a public sewer shall construct and maintain one or more control manholes or access points to facilitate observation, measurement and sampling of his or her wastes, including domestic sewage. Control manholes or access facilities shall be located and built in a manner acceptable to the approving authority. If measuring devices are to be permanently installed they shall be of a type acceptable to the approving authority. Control manholes, access facilities and related equipment shall be installed by the person discharging the waste, at his or her expense, and shall be maintained by him or her so as to be in safe condition, accessible and in proper operating condition at all times. Plans for installation of the control manholes or access facilities and related equipment shall be approved by the approving authority prior to the beginning of construction.

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- (e) *Measurement of Flow.* The volume of flow used for computing industrial waste surcharges shall be the metered water consumption of the person as shown in the records of meter readings maintained by the city water department.
- (f) *Metering of Waste.* Devices for measuring the volume of waste discharged may be required by the approving authority if this volume cannot otherwise be determined from the metered water consumption records. Metering devices for determining the volume of waste shall be installed, owned, and maintained by the person. Following approval and installation such meters may not be removed without the consent of the approving authority.
- (g) *Provision for Deductions.* If a person discharging industrial waste into the public sewers produces evidence satisfactory to the approving authority that more than ten percent of the total annual volume of water used for all purposes does not reach the public sewer, the determination of the water consumption to be used in computing the waste volume discharged into the public sewer may be made a matter of agreement between the approving authority and the person.
- (h) *Waste Sampling.* Industrial wastes discharged into the public sewers shall be subject to periodic inspection and a determination of character and concentration of such wastes. The determinations shall be made as often as may be deemed necessary by the approving authority. Samples shall be collected in such a manner as to be representative of the composition of the wastes. The sampling may be accomplished either manually or by the use of mechanical equipment acceptable to the approving authority. Installation, operation and maintenance of the sampling facilities shall be the responsibility of the person discharging the waste and shall be subject to the approval of the approving authority. Access to sampling locations shall be granted to the approving authority or its duly authorized representatives at all times. Every care shall be exercised in the collection of samples to ensure their preservation in a state comparable to that at the time the sample was taken.
- (i) *Analyses.* Laboratory procedures used in the examination of industrial wastes shall be those set forth in Standard Methods. However, alternate methods for certain analyses of industrial wastes may be used subject to mutual agreement between the approving authority and the person. Determination of the character and concentration of the industrial wastes shall be made by the person discharging them, or his or her agent, as designated and required by the approving authority. The city may also make its own analyses on the wastes and these determinations shall be binding as a basis for charges. If any waters or wastes are discharged, or proposed to be discharged to the public sewers, which waters or wastes contain substances or possess the characteristics enumerated in Section 98-62 and which in the judgment of the approving authority may have deleterious effect upon the sewage works, processes, equipment, or receiving waters, or which otherwise create a hazard to life, health, or constitute a public nuisance, the approving authority may:
- (1) Reject the wastes.
 - (2) Require pretreatment to an acceptable condition for discharge to the public sewers.
 - (3) Require control over the quantities and rates of discharge.
 - (4) Require payment to cover the added cost of handling and treating the wastes not covered by existing taxes or sewer charges under Section 98-62(d).

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- (j) *Pretreatment.* Where required, in the opinion of the approving authority, to modify or eliminate wastes that are harmful to the structures, processes or operation of the sewage disposal works the person shall provide at his or her expense such preliminary treatment or processing facilities as may be determined required to render his or her wastes acceptable for admission to the public sewers.
- (k) *Grease and/or Sand Interceptors.* Grease, oil and sand interceptors shall be provided as required by the state plumbing code. All newly constructed restaurants and those that undergo major renovation shall provide for exterior grease interceptors, however, the water and sewer utility may grant a permit for an interior grease interceptor in any case where an exterior interceptor would not be feasible because of location, unreasonable expense, or other circumstances as weighed against the public interest to be served.

(Ordinance Number 1995-4, § I, 4-5-1995)

- (l) *Submission of Information.* Plans, specifications and any other pertinent information relating to proposed preliminary treatment or processing facilities shall be submitted for review of the approving authority prior to the start of their construction if the effluent from such facilities is to be discharged into the public sewers.

(Code 1989, § 13.04(3))

Section 98-64. Right; Safety and Identification.

- (a) *Right of Entry.* The city engineer, superintendent of the wastewater treatment plant, plumbing inspector, or other duly authorized employee of the city bearing proper credentials and identification shall be permitted to enter all properties for the purpose of inspection, observation, testing, all in accordance with the provisions of this article and Wisconsin Statute § 196.171. The city engineer or the superintendent of the wastewater treatment plant, plumbing inspector or other duly authorized employee of the city shall have no authority to inquire into any process beyond that point having a direct bearing on the kind and source of discharge to the sewers or waterways or facilities for wastewater treatment.
- (b) *Safety.* While performing the necessary work on private premises referred to in subsection (a) of this section, the duly authorized city employees shall observe all safety rules applicable to the premises established by the company and they city shall indemnify the company against loss or damage to its property by personal injury or property damage asserted against the company and growing out of gauging and sampling operations, and indemnify the company against loss, or damage to its property by city employees; except as such may be caused by negligence or failure of the company to maintain safe conditions as required in Section 98-63(d).
- (c) *Identification; Right to Enter Easements.* The city engineer, superintendent of the wastewater treatment plant and other duly authorized employees of the city bearing proper credentials and identification shall be permitted to enter all private properties through which the city holds a duly negotiated easement for the purpose of, but not limited to, inspection, observation measurement, sampling, repair and maintenance of any portion of the sewage works lying within such easement, all subject to the terms, if any, of the agreement.

(Code 1989, § 13.04(4))

Section 98-65. Sewer Construction.

- (a) *Work Authorized.* No unauthorized person shall uncover, make any connections with or opening into, use, alter, or disturb any public sewer or appurtenance thereof without first obtaining a written permit from the approving authority.
- (b) *Cost of Sewer Connection.* All costs and expense incident to the installation and connection of the building sewer shall be borne by the owner. The owner shall indemnify the city from any loss or damage that may directly or indirectly be occasioned by the installation of the building sewer.
- (c) *Use of Old Building Sewers.* Old building sewers may be used in connection with new buildings only when they are found, on examination and test by the approving authority, to meet all requirements of this article.
- (d) *Materials and Methods of Construction.* The size, slope, alignment, materials of construction of a building sewer, and the methods to be used in excavating, placing of the pipe, jointing, testing, and backfilling the trench, shall all conform to the requirements of the building and plumbing code or other applicable rules and regulations of the city. In the absence of code provisions or in amplification thereof, the materials and procedures set forth in appropriate specifications of the ASTM and WPCF Manual of Practice, Number 9, shall apply.
- (e) *Building Sewer Grade.* Whenever possible, the building sewer shall be brought to the building at an elevation below the basement floor. In all buildings in which any building drain is too low to permit gravity flow to the public sewer, sanitary sewage carried by such building drain shall be lifted by an approved means and discharged to the building sewer.
- (f) *Storm and Groundwater Drains.* No person shall make connection of roof downspouts, exterior foundation drains, areaway drains, or other sources of surface runoff or groundwater to a building sewer or building drain which is connected directly or indirectly to the public sanitary sewer.
- (g) *Conformance to Plumbing Code.* The connection of the building sewer into the public sewer shall conform to the requirements of the building and plumbing code or other applicable rules and regulations of the city, or the procedures set forth in appropriate specifications of the A.S.T.M. and the W.P.C.F. Manual of Practice, Number 9. All such connections shall be made gastight and watertight. Any deviation from the prescribed procedures and materials must be approved by the approving authority before installation.
- (h) *Inspection of Connection.* The applicant for the building sewer permit shall notify the approving authority when the building sewer is ready for inspection and connection to the public sewer. The connection shall be made under the supervision of the approving authority.
- (i) *Barricades; Restoration.* All excavations for the building sewer installation shall be adequately guarded with barricades and lights so as to protect the public from hazard. Streets, sidewalks, parkways and other public property disturbed in the course of the work shall be restored in a manner satisfactory to the city.

(Code 1989, § 13.04(5))

Section 98-66. Damage or Tampering with Sewage Works.

No unauthorized person shall maliciously, willfully or negligently break, damage, destroy, uncover, deface or tamper with any structure, appurtenance, or equipment which is a part of the sewage works.
(Code 1989, § 13.04(6))

Section 98-67. Violations and Penalties.

(a) *Written Notice of Violation.* Any person violating any provision of this article, except subsection (b) of this section shall be served by the city with a written notice stating the nature of the violation and providing a reasonable time for the satisfactory correction thereof. The offender shall, within the period of time stated in such notice, permanently cease all violations.

(b) *Continued Violations.* Any person who shall continue any violation beyond the notice time limit provided shall, upon conviction thereof, forfeit not more than \$200.00 together with the costs of prosecution. In default of payment of such forfeiture and costs, the violator shall be imprisoned in the county jail for not to exceed 30 days. Each day in which any violation is continued beyond the notice time limit shall be deemed a separate offense.

(Code 1989, § 13.04(7))

Section 96-68. Liability to City for Losses.

Any person violating any provision of this article shall be liable to the city for any expense, loss, or damage occasioned by reason of such violation which the city may suffer as a result thereof.

(Code 1989, § 13.04(8))

Section 98-69. Differences of Opinion.

The board of public works shall arbitrate differences between the approving authority and sewer users on matters concerning interpretation and execution of the provisions of this article by the approving authority.

(Code 1989, § 13.04(9))

Sections 98-70 – 98-100. Reserved.

Article IV. Water

Division 1. Generally

Sections 98-101 – 98-120. Reserved.

Division 2. Private Well Abandonment

Section 98-121. Purpose.

To prevent contamination of groundwater and to protect public health, safety and welfare by ensuring that unused, unsafe or noncomplying wells which may serve as conduits for contamination or wells which may be illegally cross connected to the municipal water system, are properly abandoned.

(Ordinance Number 1991-5, § 1)

Section 98-122. Applicability.

This article applies to all wells located on premises served by the municipal water system.
(Ordinance Number 1991-5, § 2)

Section 98-123. Definitions.

The following words, terms and phrases, when used in this article, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

Municipal Water System means a system for the provision to the public of piped water for human consumption when such system has at least 15 service connections or regularly serves at least 25 year-round residents owned or operated by a city, village, county, town, town sanitary district, utility district or public medical institution as defined in Wisconsin Statute § 49.43(10m), or a privately owned water utility serving any of the above.

Non-Complying means a well or pump installation which does not comply with the provisions of Wisconsin Administrative Code, NR, Chapter 141, in effect at the time the well was constructed, a contamination source was installed, the pump was installed or work was done on either the well or pump installation.

Pump Installation means the pump and related equipment used for withdrawing water from a well including the discharge piping, the underground connections, pitless adapters, pressure tanks, pits, sampling faucets and well seals or caps.

Unsafe means a well or pump installation which produces water which is bacteriologically contaminated or contaminated with substances in exceedance of the standards of Wisconsin Administrative Code, NR, Chapters 109 or 1401, or for which a health advisory has been issued by the department of natural resources.

Unused means a well or pump installation which is not in use or does not have a functional pumping system.

Well means an excavation or opening into the ground made by digging, boring, drilling, driving, or other methods of the purpose of obtaining groundwater for consumption or other use.

Well Abandonment means the filling and sealing of a well according to the provisions of Wisconsin Administrative Code, NR, Chapter 141.
(Ordinance Number 1991-5, § 3)

Cross Reference – Definitions Generally, § 1-2.

Section 98-124. Required.

All wells located on premises served by the municipal water system shall be abandoned in accordance with the terms of this article and Wisconsin Administrative Code, NR, Chapter 141, by January 1, 1992, or no later than one year from the date of connection to the municipal water system, whichever occurs last, unless a well operation permit has been obtained by the well owner from the city.
(Ordinance Number 1991-5, § 4)

Section 98-125. Well Operation Permit.

The city may grant a permit to a private well owner to operate a well for a period not to exceed five years providing the conditions of this section are met. An owner may request renewal of a well operation permit by submitting information verifying that the conditions of this section are met. The city, or its agent, may conduct inspections or have water quality tests conducted at the applicant's expense to obtain or verify information necessary for consideration of a permit application or renewal. Permit applications and renewals shall be made on forms provided by the clerk. The following conditions must be met for issuance or renewal of a well operation permit:

- (1) The well and pump installation meet or are upgraded to meet the requirements of Wisconsin Administrative Code, NR, Chapter 141.
- (2) The well construction and pump installation have a history of producing bacteriologically safe water as evidenced by at least two samplings taken a minimum of two weeks apart. No exception to this condition may be made for unsafe wells, unless the department of natural resources approves, in writing, the continued use of the well.
- (3) There are no cross connections between the well and pump installation and the municipal water system.
- (4) The proposed use of the well and pump installation can be justified as being necessary in addition to water provided by the municipal water system.

(Ordinance Number 1991-5, § 5)

Section 98-126. Abandonment Procedures

- (a) All wells abandoned under the jurisdiction of this division or rule shall be abandoned according to the procedures and methods of Wisconsin Administrative Code, NR, Chapter 141. All debris, pump, piping, unsealed liners and any other obstructions which may interfere with sealing operations shall be removed prior to abandonment.
- (b) The owner of the well, or the owner's agent, shall notify the clerk at least 48 hours prior to commencement of any well abandonment activities. The abandonment of the well shall be observed by the city building inspector or the superintendent of the city water and sewer utility.
- (c) An abandonment report form, supplied by the department of natural resources, shall be submitted by the well owner to the clerk and the department of natural resources within 30 days of the completion of the well abandonment.

(Ordinance Number 1991-5, § 6)

Section 98-127. Penalties.

Any well owner violating any provision of this division shall upon conviction be punished as provided in Section 1-14. If any person fails to comply with this division for more than ten days after receiving written notice of the violation, the municipality may impose a penalty and cause the well abandonment to be performed and the expense to be assessed as a special tax against the property.

(Ordinance Number 1991-5, § 7)