



**JOINT WATER/SEWER BOARD OF THE CITY OF BUCHANAN AND  
BUCHANAN TOWNSHIP  
MONDAY, MAY 03, 2021 – 7:00 AM  
ELECTRONIC MEETING**

**AGENDA**

*THE JOINT WATER SEWER BOARD OF THE CITY OF BUCHANAN AND BUCHANAN TOWNSHIP in compliance with the Open Meetings Act, Public Act, as amended, B2103192 of 2021, hereby gives notice of a meeting to be held electronically in order to protect the health and safety of our community due to the novel coronavirus (COVID-19).*

Join Meeting via Computer: <https://zoom.us/j/2435931819>

Join Meeting via Mobile Phone: +16465588656,,2435931819#

Join Meeting via Land Line Telephone: +1 646 558 8656

Meeting ID: 243 593 1819

Toggle #6 to mute/unmute. #9 to raise your hand.

*\* All members of the public will be muted by the moderator with the exception the public comment portions of the agenda. In order to minimize background noise and/or feedback, we ask that participants manually mute their phone or computer microphone during this portion of the agenda if not speaking.*

*\* Comments may also be submitted in writing at least 72 hours in advance to the City Clerk at [bpitcher@cityofbuchanan.com](mailto:bpitcher@cityofbuchanan.com).*

**I. Call to Order**

**II. Roll Call**

**III. Approve Agenda**

**IV. Approve Minutes**

A. February 1, 2021

**V. Business**

A. Board Appointments/Reappointments

[B.](#) Wastewater Treatment Plant (WWTP) Report - Bill Housand

[C.](#) Water System Report - Scott Desenberg

D. Summary of Complaints Received for Water and Wastewater - JT Adkerson

**VI. Adjournment**

Joint Water/Sewer Board  
Wastewater Summary  
May 2021

Completed:

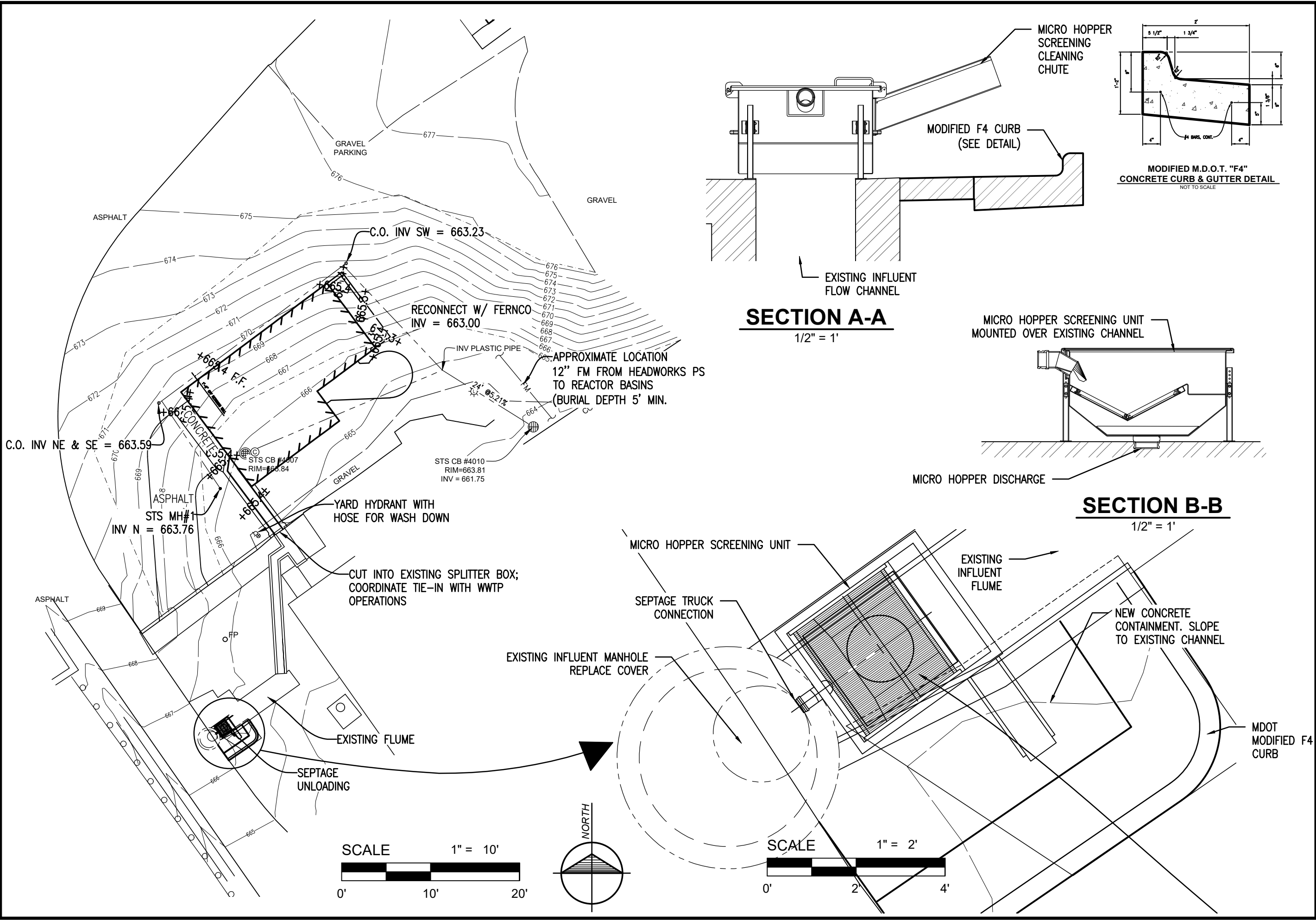
- 1) WET Test
  - a) Completed on March 11<sup>th</sup>
  - b) Results were acceptable for both the total toxicity and inorganic compounds portions of the analysis
  - c) A final report of the test was submitted to EGLE
- 2) Pollutant Minimization Program 2020 Annual Report
  - a) Submitted to EGLE on March 17<sup>th</sup>
  - b) Increased metals concentrations
  - c) Completed and ongoing sampling around the City
- 3) SARA Tier 2 Report
  - a) Submitted to State and County on February 5<sup>th</sup>
- 4) Industrial Pretreatment Program
  - a) The annual IPP report for 2020 was submitted to EGLE on March 23<sup>rd</sup>
  - b) Surcharge rate calculations and methodology statement were completed
  - c) Surcharge rates adopted by the City Commission on February 8<sup>th</sup>
    - \$0.88 per pound of CBOD
    - \$3.08 per pound of Ammonia
    - \$0.80 per pound of TSS
    - \$5.87 per pound of Phosphorous
  - d) Completed and ongoing facility inspections of industrial users
- 5) Landfill Discharge Permit
  - a) Submitted for comment on February 9<sup>th</sup>
  - b) Effective March 1<sup>st</sup>
- 6) Lab Savings
  - a) Bulk purchasing
  - b) Agar plates
- 7) Maintenance Items
  - a) Rebuilt Glaser LS motor and rotating assembly
  - b) Schirmer LS impeller adjustments
  - c) Truck oil changes
  - d) Relocated hardware and fasteners to the shop building
- 8) Sludge Disposal

- a) Dewatering bags were installed in drying beds 2,3,4 and 6
- b) Approximately 90,000 gallons of sludge poured into dewatering bags
- 9) Safety
  - a) Slips, trips and falls training on March 16<sup>th</sup>
  - b) Updated the procedures for working in the roadway
  - c) Added a comprehensive safety folder to the Z drive for staff access
- 10) New Lab Equipment
  - a) Received new spectrophotometer, BOD incubator and stirring hot plate
  - b) Muffle furnace expected in May
- 11) Asset Management
  - a) Comprehensive asset management plans were developed for the collection system and WWTP, including assets from the new plant. The AMPs can be used by the City to target set aside funding of wastewater assets.

Ongoing:

- 1) Oxidation Ditch Project
  - a) All structural concrete has been poured
  - b) Clarifier mechanisms are installed
  - c) UV unit hardware has been fully installed
  - d) Yard piping is approximately 60% complete
  - e) The majority of the water system is installed
  - f) Oxidation ditch rotors are installed
  - g) Stormwater retention pond and collection piping has been completed
  - h) Work has started on the utility corridor and force main to the Headworks building
- 2) Sewer Use Ordinance
  - a) Headworks analysis
  - b) Local limit modification
  - c) Surcharge calculation tool
  - d) Fee structures
- 3) Septage Receiving
  - a) Plan with prints submitted to EGLE, provisionally accepted
  - b) Waiting on pricing to submit the plan to the City Commission for approval
  - c) Public notice

P:\2020730001\00\CADD-Data\IC3D\2020730001 Septage Receiving Station.dwg Tab: Septage Receiving Station Saved by: jlumley 3/30/2021 11:38 AM Plotted by: Jim Lumley 3/30/2021 11:40 AM



Item V. B.

**Gosling Czubak**  
engineering sciences, inc.  
1280 Business Park Drive, Traverse City, Michigan  
231.946.9191 800.966.1062  
www.goslingczubak.com info@goslingczubak.com

**CIVIL ENGINEERING | SURVEYING | ENVIRONMENTAL SERVICES | GEOTECHNICAL CONSTRUCTION SERVICES | DRILLING | LANDSCAPE ARCHITECTURE**

Job #:	2018419001
Date:	01/10/2020
Scale:	AS NOTED
Drawn:	AJP
Chk'd:	MJH
Rev.:	03/30/2021

**SEPTAGE RECEIVING STATION  
BUCHANAN WWTP IMPROVEMENTS  
CITY OF BUCHANAN**

Location: SECTION 25  
T 07 S, R 18 W  
BUCHANAN TOWNSHIP  
BERRIEN COUNTY  
Sheet ----

4

## Water Department Report 4-29-21

1. We have marked hundreds and hundreds of Miss-Dig locate requests.
2. We continue to use our remote access to the Sensus software to identify leaks in customers' homes and notify them, saving them a great deal of money and heartache. Generally speaking, they are very appreciative of our efforts. This has been a great P.R. tool for us over the years.
3. On February 1, along with DPW, we came in during the evening to repair a significant water leak downtown. The break proved to be on the service line to Buchanan District Library, but we made the repair so as to be able to cover the break and open the road as quickly as possible.
4. On February 2, we repaired a water main break on Richards St. with the help of DPW. The excavation was complicated by some extremely sketchy backfill used at the time of installation.
5. In February, North American Pump came out to swap out the jockey pump at the Township Booster Station. This is a normal thing, as the pump lasts about 2 years on each rebuild and we keep a spare to drop in while the one taken out is being rebuilt.
6. We spent a significant amount of time locating hydrant isolation valves in the distribution system, mapping them, and printing and laminating sheets to create a "Book of Hydrants" to take into the field for valve exercising this summer. Terry was a big help with this process.
7. In February, we activated our secondary "trickle water" list due to the bitter cold temperatures we were experiencing. We kept those customers trickling until the first week of March, when temperatures turned warmer.
8. We spent a large portion of time in February digging out and plowing snow, including Craig being called in to plow or salt on several occasions.
9. Along with the DPW, Craig located a water tap and installed a pit meter for the house at 615 W. Fourth St. We located the pit near the end of the water main, and the customer had the service bored to the house location.
10. I have virtually attended several EGLE webinars on topics like accessing water infrastructure funding, the DWAM Grant, the CDSMI process and updates, CCR updates, as well as taking an online math class.
11. Craig and Terry rebuilt the supply line in the irrigation pit for the irrigation at Duck Pond Park. The old one contained a ball valve that had gone bad over the years and failed. They redid the design to make it easier to maintain in the future.
12. We received quotes and ordered an enclosed trailer to house our dig box and our water main and service line repair supplies and equipment. This will greatly aid in our efficiency in repairing water leaks and digging more safely.
13. Both Craig and I have received both rounds of Covid vaccines.

14. On 4-5 and 4-6, with the help of DPW, we replaced 3 fire hydrants that had become nearly impossible to operate. They are located at Front and Skyline, Front and Chippewa, and Front at the west cemetery entrance.
15. We flushed fire hydrants on our regular spring cycle from 4-13 to 4-15. It is by far the best round of flushing I have seen in my 9 years with the cleanest water anyone can remember.
16. On 4-29 Craig assisted Peerless Midwest with the replacement of the master meter at the Chemical Feed Building. The meter is on the main pipe in our chemical injection room and controls the turning on/off of the chemical feed pumps.
17. On 4-22, along with DPW, we replaced a leaking repair band on the water main on Richards St (not the one we put on in February). It did not go as smoothly as we had hoped, but we were able to make the repair with any service interruption to our customers.
18. I rebuilt the backflow prevention system for the irrigation at the Little League field in preparation for the coming season.
19. We have begun seasonal turn-ons, starting with the Farmer's Market and the Cemetery.

Scott Desenberg, O.I.C