

VILLAGE OF CALEDONIA UTILITY DISTRICT

NOTICE IS HEREBY GIVEN THAT the Commissioners of the Caledonia Utility District will meet on Wednesday, October 7, 2020, at 6:00 p.m. at the Caledonia Village Hall located at 5043 Chester Lane, Racine, Wisconsin for the purpose of the following:

- 1. Meeting Called to Order**
- 2. Roll Call**
- 3. Approval of Minutes**
 - a. Utility District Regular Meeting – September 2, 2020
- 4. Citizen Comments**
- 5. Communications and Announcements**
 - a. Racine Water Utility Agenda & Minutes
 - b. Racine Wastewater Utility Agenda & Minutes
 - c. Caledonia 3rd Quarter Newsletter
- 6. Approval of O&M Bills**
 - a. O&M Bills related to the Sewer Utility District
 - b. O&M Bills related to the Water Utility District
 - c. O&M Bills related to the Storm Water Utility District
- 7. Project Updates**
 - a. Construction Contract Status
 - b. Caddy Vista Improvements / Lift Station
 - c. Riverbend Drive Lift Station Safety Site
 - d. Lighthouse Drive Lift Station Upgrade Site
 - e. South Lane Sanitary Sewer
 - f. Rio Vista, Shorewood & Stonebridge Utility Improvements
 - g. DeBack Industrial Park Phase 3 Improvements
 - h. Annual Televising Program – Sanitary Sewer
 - i. Water Impact Fee / Sewer Connection Fee Update
 - j. EPA Risk & Resilience Assessment and Emergency Response Plan
 - k. Hoods Creek – Aldebaran Brushing Project
 - l. Tanglewood Avenue Storm Sewer Replacement Project
 - m. Wind Point West Subdivision Project
 - n. GIS Updates
 - o. Alcyn Drive
 - p. Douglas Avenue OMG Ditch Project
- 8. Action Items**
 - a. Pro Bio Storm Water Management Plan & Site Grading Plan Approval
 - b. 2021 Budget (Water, Sewer, Storm)
 - c. Racine 2021 Sewer Rates
- 9. Adjournment**

Dated this October 2, 2020

Only committee members are expected to attend. However, attendance by all Board members (including non-members of the committee) is permitted. No action will be taken by those members.

**Village of Caledonia Utility District Meeting
September 2, 2020**

1. Meeting Called to Order – The Regular Meeting of the Village of Caledonia Utility District was held on Wednesday, September 2, 2020, at the Caledonia Village Hall, located at 5043 Chester Lane Racine, Wisconsin. The meeting was called to order by President Howard Stacey at 6:00 pm.

2. Roll Call – Those present were President Howard Stacey, Commissioners Michael Pirk, Dave Ruffalo, Tony Minto, Mark Brigman and Trustee Lee Wishau. Commissioner Sullivan was excused. Also present were Utility Manager Robert Lui, and Utility Director Anthony Bunkelman.

3. Approval of Minutes

- a. Upon a motion by Minto and seconded by Pirk, the Commission approved the minutes from the Utility District's previous regular meeting held August 5, 2020. A copy of these minutes have been furnished to each Commissioner. **Motion Carried.**

4. Citizen Comments – None

5. Communications and Announcements

a. Racine Water Utility Agenda & Minutes

The Commission looked over the July 21st Minutes and the August 18th Agenda for the Racine Water Utility.

b. Racine Wastewater Utility Agenda & Minutes

The Commission looked over the July 21st & July 28th Minutes, and the August 18th Agenda for the Racine Wastewater Utility.

6. Approval of O&M Bills

- a. Upon a motion by Brigman and seconded by Wishau, the Commission approved payment of O&M Bills, related to the Sewer Utility District totaling \$214,996.46. **Motion Carried.**
- b. Upon a motion by Brigman and seconded by Wishau, the Commission approved payment of O&M Bills, related to the Water Utility District totaling \$306,752.73. **Motion Carried.**
- c. Upon a motion by Brigman and seconded by Wishau, the Commission approved payment of O&M Bills related to the Storm Water Utility District totaling \$722,490.07. **Motion Carried.**

7. Project Updates

a. Construction Contract Status

The current contract statuses were shared with the Commissioners.

b. Caddy Vista Improvements / Lift Station

Restoration work to fix storm damage and areas that did not take was completed August 11. Awaiting final Pay Request.

c. Riverbend Drive Lift Station Safety Site

Design of project has restarted due to Sewer Capacity Issues.

d. Lighthouse Drive Lift Station Upgrade Site

J Miller Electric will be out Thursday 3rd and/or Friday 4th for the cathodic protection box. Coating for cathodic protection scheduled for the week of September 7th. Project projected to be completed the week of September 14th.

e. South Lane Sanitary Sewer

First manhole installed on August 10th. Contractor bounced around on several jobs with same crew. Starting August 24th crew will stay on site to complete job.

f. Rio Vista Shorewood & Stonebridge Utility Improvements

All watermain and laterals are in and operational for entire project. Small storm sewer work, sanitary sewer lining and restoration of areas remains.

g. DeBack Industrial Park Phase 3 Improvements

Information has been sent to the owners and the Special Assessment meeting will be held when the Village Hall can host larger public meetings.

h. Annual Televising Program – Sanitary Sewer

Progress continues on televising of this years scheduled program. Discovered a Utility that was bored through a sanitary sewer on 6 Mile Road and Novak Road. Meeting with Utilities for repair on Monday.

i. Water Impact Fee / Sewer Connection Fee Update

The sewer capacity issues have changed the CIP for the Sewer Utility and will change the information on the Connection Fee. Update to come next month. Spoke with Tom Ludwig about fees on September 2nd.

j. EPA Risk & Resilience Assessment and Emergency Response Plan

Work to start in December 2020.

k. Hoods Creek – Aldebaran Brushing Project

Awaiting dry weather and will reassess the needs of the Hoods Creek along the Aldebaran Subdivision.

l. Tanglewood Avenue Storm Sewer Replacement Project

Storm Sewer completed. Hydrant valve installed and replaced watermain on Acacia due to road being entirely repaved. Restoration is currently being done. Paving of road scheduled for September 8th.

m. Wind Point West Subdivision Project

Storm sewer completed. Restoration currently being done. Patching of roads to be done the week of August 31st. Sanitary lining to begin shortly after 2 spot repairs are completed.

n. GIS Updates

Project has been worked on as time allows. Will be updating servers when information is received.

o. Alcyn Drive – Drainage Complaint

Updated plans and came up with a cost estimate. Recommend discussion on how this should be handled. QA/QC on gas main/laterals to be done but ready to share with owners.

p. Douglas Avenue – OMG Ditch Project

Met with owners in field to go over updated plans. Majority owner has now decided to allow the channel to be larger to convey larger storm events. Owners would like to see project expanded to pick up the secondary stream from Harvest Lane. Will be providing the owner with cross section necessary to handle the 100-year storm per his changed request for his approval.

8. Action Items

a. August 10, 2020 Rainfall event

On August 10, beginning around 4pm and lasting until approximately 5:30pm the area experienced an extremely high intensity rain event that dropped approximately 4.5” of total rainfall. The majority of the rainfall fell in the first half hour (approximately 3.5”). This rainfall event lead to multiple flooded roads, washed out shoulders, sink holes, backed up storm sewer systems, flooded basements, sanitary sewer backups, etc.

The Caledonia Utility District is anticipating receiving another exceedance letter from the Racine Wastewater Utility. Near the end of the rainfall event (5:15pm), Central Lift Station was operating only 1 small pump (+2800 GPM). Within minutes (5:21pm) the station was pumping with 2 large pumps (+8500 GPM) and the wet well was rising at over an inch per minute. With the wetwell rising, the sanitary sewer manholes on Valley Trail and 4 Mile Road were observed and both were found to be exfiltrating blended sanitary sewer into the Birch Creek. Upon viewing this, discussions were had with President Dobbs about the proximity of basements if the wet well were to continue to rise. The decision was made to operate all 3 large pumps at Central in an attempt to prevent basement backups. At 6:15pm all 3 large pumps began pumping (+10,500 GPM) and ran until the next morning. With the 3 large pumps running the wetwell was then holding steady.

Around 6:30pm a call came in for a basement backup of sanitary sewer. Upon arrival, several of the homes on the East end of Catherine Drive had backups of sanitary sewer in their basements. Measurements were taken on the effluent levels in the manholes.

Keith Haas from the Racine Wastewater Utility was contacted around 7:00pm to find out the condition at the wastewater treatment plant and to inform him that Caledonia was indeed going to have an exceedance.

At 7:40pm the 6" trash pump was set up in a sanitary manhole upstream of the wet well and was bypassed to the Birch Creek as well. With the trash pump and the 3 large pumps going at Central the station was pumping approximately +/-12,000 GPM. With the 2 manholes exfiltrating as well the wetwell started to go down slowly.

The wetwell was monitored consistently until approximately 12:30am on August 11th. At this time the wetwell elevation was at an acceptable level and the 3 large pumps could maintain the elevation without bypassing and having exfiltration out of manholes.

With the bypass pump running for 4 hours 35 minutes and the manholes exfiltrating for approximately 6 hours 30 minutes it was estimated that 1,635,080 gallons of blended sanitary sewer was discharged to the Birch Creek. These SSO's were reported to the Wisconsin DNR as required.

On August 11th and for at least a week after the event, the Utility has been receiving calls about basement backups. To date we have been informed of 17 basement backups.

Also starting on August 11th and continuing to date, the Utility has been receiving numerous drainage complaints. Some of the areas that we will be reviewing further are located in Country View Estates, North Meadows Subdivision, areas along the Klema Ditch, Westview Village Subdivision and Majestic Manor. Some of the issues occurred due to the loss of power and sump pumps not working. Others were due to the intensity of the rainfall being over the design capacity of the system. The Engineering Department is working through most of the drainage complaints and the Utility will be reviewing the major issues as identified above.

**b. Wind Dale & Wind Point West Storm Water Utility Improvements –
Change Order #2**

Director Bunkelman indicated that Change Order #2 was needed for the Wind Point West portion of the project for the water laterals. 8 additional offsets were performed. This adds \$15,792.00. In addition, it was determined that the watermain in Acacia should be replaced due to the road being entirely repaved. The watermain adds \$84,699.30. This change order equals 6.42% of the original contract. Total change orders to date are 9.8% of the original contract.

Upon a motion by Brigman and seconded by Minto, the Commission moved to approve Change Order #2 for the Wind Dale & Wind Point West Storm Water Utility Improvements Project. **Motion Carried.**

c. Alcyn Drive Project Update

Director Bunkelman indicated that he designed a storm sewer option as requested by the owners. The storm sewer option only benefits 3 properties due to lack of depth. This storm sewer option would have an assessment of approximately \$9,400.00. This cost is steep and higher than any assessments levied in the past. Working toward obtaining a quote from a local contractor to check the cost estimate. Unless the quote is very favorable, the culvert replacement option previously provided to the owners. If a ditching project was completed the total cost would be roughly \$20,000.00. Once numbers from the contractor are received a meeting with the owners will be held to see how they want to proceed, if at all. No action necessary at this time.

9. Adjournment

Upon a motion by Brigman and seconded by Minto, the Commission moved to adjourn the regular meeting at 6:42 pm. **Motion Carried.**

Respectively submitted,
Anthony A. Bunkelman P.E. Utility Director



City of Racine

City Hall
730 Washington Ave.
Racine, WI 53403
www.cityofracine.org

Meeting Minutes – Final

Waterworks Commission

Tuesday, August 18, 2020

4:00 PM

City Hall Annex, Room 227

Roll Call

PRESENT: 6 - Terry McCarthy, Kathy DeMatthew, Thomas Bunker, Natalia Taft, Cory Mason and John Tate II

EXCUSED: 2 - James Spangenberg and Kathleen Fischer

Approval of Minutes for the July 21, 2020 Meeting

A motion was made by McCarthy, seconded by President Taft, that this file be to Approve the Minutes

0509-20 **Subject:** Budget Expenditures for July 2020 totaling \$1,763,055.19

Recommendation: Approve

A motion was made by Bunker, seconded by McCarthy, that this file be Approved

0546-20 **Subject:** Project Reports:

- A) Budget Hearing - September 2, 2020
- B) CCT Study Update
- C) Lead & Copper Testing 2020 - Progress Report
- D) Leak Testing Construction Work

Recommendation: Receive and File

Project reports given by Staff.

Received and Filed

0541-20 **Subject:** Permission to enter into an agreement with Verizon to allow them to take paint samples of the Summit Avenue Tower

Recommendation: Approve

General Manager informed the commission that Verizon would like to test for red-lead paint before they commit to moving their antenna to the Summit Avenue Tower. Commissioner T.Bunker inquired if someone would go along with them.

A motion was made by Mayor Mason, seconded by McCarthy, that this file be Approved

0510-20

Subject: Communication from the General Manager requesting permission to execute and sign the Summit Avenue Cell antenna agreement with Verizon

Recommendation: Approve

General Manager informed the Commission that the cell tower contract requesting to sign has been reviewed by Boardman & Clark LLP law firm and a copy has been given to the City Attorney. The contract will generate \$33,000 lease revenue. He requested permission to sign the contract.

A motion was made by Mayor Mason, seconded by McCarthy, that this file be Approved

0532-20

Subject: Change Order No. 2 on Contract W-19-17, Pike River Corridor South Water Main, Super Excavators, Inc (contractor)

Recommendation: Approve

The Chief of Operations submitted Change Order No. 2 on Contract W-19-17 in the amount of \$14,105.52 bringing the total contract amount to \$6,982,895.42 and recommended approval.

A motion was made by McCarthy, seconded by Secretary DeMatthew, that this file be Approved

0490-20

Subject: Change Order No. 2 on Contract W-19-18, STH 20 Pumping Station Improvements, Staab Construction Corp. (Contractor)

Recommendation: Approve

The Chief of Operations submitted Change Order No. 2 on Contract W-19-18, for a 6 month time extension and recommended for approval.

A motion was made by Bunker, seconded by Secretary DeMatthew, that this file be Approved

0533-20

Subject: Change Order No. 1 on Contract W-20-2, Transmission Water Main to Broadway Tank and CTH H Phase 2 Hydrant Alterations

Recommendation: Approve

The Chief of Operations submitted Change Order No.1 on Contract W-20-2 a credit in the amount of \$7,312.49 bringing the total amount to \$875,845.01 and recommended for approval.

A motion was made by McCarthy, seconded by Secretary DeMatthew, that this file be Approved

0528-20

Subject: Proposal from TRC to investigate contaminated soils in Washington Avenue

Recommendation: Approve

General Manager explained the proposal from TRC to investigate contaminated soils due to petroleum odors after breaking ground. Proposal amount \$43,101.00 and recommended to accept.

A motion was made by Bunker, seconded by McCarthy, that this file be Approved

0488-20

Subject: Water Pressure Concerns by Residents on Leslie Ann Drive

Recommendation: Receive and File

General Manager explained the letter received by residents on Leslie Ann Drive regarding their concern of lower PSI. The PSI meets the requirements, 67 letters were sent out to all of the residents letting them know that further work is in the works.

A motion was made by Secretary DeMatthew, seconded by Mayor Mason, that this file be Received and Filed

0542-20

Subject: Submission of the 2021 Proposed Operations and Maintenance Budget and the Proposed 2021-2025 Capital Improvement Plan

Recommendation: Receive and File

The General Manager informed Commissioners that 2021 budget and capital improvements have been mailed out.

A motion was made by McCarthy, seconded by Secretary DeMatthew, that this file be Received and Filed

Adjournment

There being no further business, the meeting was adjourned at 4:44 p.m.



City of Racine

Meeting – Final

City Hall
730 Washington Ave.
Racine, WI 53403
www.cityofracine.org

Minutes of the Special Meeting of the Finance Committee of the Board of Waterworks Commissioners

Wednesday, September 2, 2020

4:00 p.m.

City Hall Annex, 800 Center St., Room #227

1. Roll Call

PRESENT: Kathy DeMatthew, Thomas Bunker, Terry McCarthy

EXCUSED: James Spangenberg

OTHERS PRESENT: K. Haas, M. Gitter, K. Scolaro, E. Garcia, S. Lohnhardt,
M. Klimek, M. Kosterman, R. Kaplan, A. Kaminski, J. Hewitt,
J. Brunner, J. Cannon, B. Schimian, C. Regalia, C. Mason

2. **Subject:** Review of the Proposed Operations and Maintenance Budget for 2021

Recommendation: Adopt and refer to the Board of Waterworks Commissioners as presented

Finance Committee Member Bunker made a motion, seconded by Finance Committee Member McCarthy, to recommend adoption of the proposed budget on the Waterworks Utility Operation and Maintenance Budget for 2021 and refer it to the Board of Waterworks Commissioners. The motion passed unanimously.

3. **Subject:** Review of Proposed Capital Improvement Program – 2021-2025

Recommendation: Adopt and refer to the Board of Waterworks Commissioners as amended

Discussion was held with regard to the lead replacement budget amount. Finance Committee Member Bunker would like to see Federal or State programs fund the lead replacement so that bonding does not have to be used.

Finance Committee Member Bunker made a motion, seconded by Finance Committee Member McCarthy, to recommend adoption of the proposed Waterworks Utility Capital Improvement Program Budget for 2021-2025 and refer it to the Board of Waterworks Commissioners with the changes discussed. The motion passed unanimously.

4. Adjournment

There being no further business, the meeting was adjourned at 5:12 p.m.

APPROVED BY:

Recording Secretary

Chairman

DATE: September 4, 2020

DATE: September 4, 2020



City of Racine

City Hall
730 Washington Ave.
Racine, WI 53403
www.cityofracine.org

Meeting Agenda - Final Waterworks Commission

Tuesday, September 15, 2020

4:00 PM

City Hall Annex, Room 227

Roll Call

Approval of Minutes for the August 18, 2020 Meeting

Approval of Minutes for the September 2, 2020 Special Meeting of the Finance Committee of the Board of Waterworks Commissioners

0578-20 Subject: Project Reports

- A) Water Rate Hearing September 30, 2020
- B) CCT Study Update
- C) Update on Verizon on Summit
- D) Water Main Construction Update
- E) Risk and Resiliency Study Update
- F) Lead & Copper Test Results 2020

0572-20 Subject: Election of Officers

0574-20 Subject: Request for the General Manager of the Water Utility to be named the authorized representative for Private Lead Service Line (LSL) Replacement Program Application

Attachments: Memo to Finance Chairperson
Authorization LSL

0575-20 Subject: Permission to submit a funding application to WDNR for 2021 Private Lead Service Lateral Replacement

0576-20 Subject: Permission to submit a Priority Evaluation and Ranking Form (PERF) for Private Lead Service Lateral Program

0570-20 Subject: Communication from Ruckert Mielke submitting an amendment for their work effort on the 2020 Water Rate Case

0584-20 Subject: Change Order No. 1 on Contract W-20-9, Washington Avenue Water Main Replacement, Globe Contractors, Inc.

0615-20 Subject: Change Order No. 3 on Contract W-19-11, 48-inch Perry to Newman Transmission Water Main, S.J. Louis Construction, Inc. (Contractor)

0600-20 Subject: Change Order No. 4 on Contract W-19-19, Water Main Replacement - Phase 4, Willkomm Excavating & Grading, Inc

- 0601-20** **Subject:** Change Order No. 5 on Contract W-19-19, Water Main Replacement - Phase 4, Willkomm Excavating & Grading, Inc
- 0612-20** **Subject:** Request for Final Payment on Contract W-19-19, Water Main Replacement - Phase 4, Willkomm Excavating & Grading, Inc. (Contractor)
- 0579-20** **Subject:** Submittal of the Report of the Committee of the Racine Waterworks Commission regarding Year 2021 Water Utility Operations and Maintenance Budget and the 2021-2025 Capital Improvements Budget Recommending Adoption

Adjournment

If you are disabled and have accessibility needs or need information interpreted for you, please contact office of the General Manager at 262.636.9181 at least 48 hours prior to this meeting. For virtual access you may call 844.992.4726 access code: 126.946.0498



City of Racine

City Hall
730 Washington Ave.
Racine, WI 53403
www.cityofracine.org

Meeting Minutes – Final Wastewater Commission

Tuesday, August 18, 2020

4:30 PM

City Hall Annex, Room 227

Roll Call

PRESENT: 11 - Robert Lui, Kathy DeMatthew, Thomas Bunker, Terry McCarthy, Natalia Taft, Cory Mason, John Tate II, Robert Pucely, John Hewitt, Anthony Bunkelman and Thomas Friedel

EXCUSED: 4 - James Spangenberg, Daryl Lynaugh, Dan Moore and Anthony Beyer

Approval of Minutes for the July 21 & 28, 2020 Meeting

A motion was made by Lui, seconded by Hewitt, that this file be to Approve the Minutes

0512-20 **Subject:** Budget Expenditures for July 2020 totaling \$1,176,693.72

Recommendation: Approve

A motion was made by Lui, seconded by Bunker, that this file be Approved

0545-20 **Subject:** Project Reports:

- A) Budget Hearing - September 2, 2020
- B) Household Hazardous Waste Event - August 15, 2020
- C) Facility Plan Update
- D) Property Acquisition Update

Recommendation: Receive and File

Project reports given by staff. Commissioner Bunker would like a copy of the Yorkville facility plan for all commissioners.

A motion was made that this file be Received and Filed

0544-20 **Subject:** Bid Opening Results on Contract D-19, West 6th Street Interceptor Relocation

Recommendation: Approve

The Chief of Operations submitted the bid results on Contract D-19 in the amount of \$1,175,880.00 and recommended approval to the lowest responsible bidder, that being Minger Construction Companies, LLC.

A motion was made by Hewitt, seconded by DeMatthew, that this file be

Approved

0522-20

Subject: Proposal for engineering during construction and inspection work on Contract D-19 from AECOM

Recommendation: Approve

General Manager explained AECOM proposal for the inspection and retrospective work on the West 6th Street Interceptor Relocation project D-19. Contract amount \$110,564.00 and recommends acceptance.

A motion was made by Bunker, seconded by Lui, that this file be Approved

0536-20

Subject: Conduct Emergency Repairs to a Utility Interceptor Sewer on LaSalle Street

Recommendation: Approve

General Manager explained the need of the emergency repair due to a hole on LaSalle St directly above. A proposal for the repair has been received from Musson Brothers at \$11,800.00 and recommends approval.

A motion was made by Lui, seconded by Hewitt, that this file be Approved

0539-20

Subject: Proposal from Brown & Caldwell to evaluate operational strategies for Lift Station No. 2 storage to minimize downstream impacts along the interceptor systems

Recommendation: Approve

General Manager explained the proposal from Brown and Caldwell to study the use of storage tank No.2 during high flow events to limit down stream surcharging. This strategy would help the SSR parties on peak exceedances. Amount of the proposal \$18,500 and recommends approval.

A motion was made by Hewitt, seconded by Vice President Taft, that this file be Approved

0543-20

Subject: Submission of the 2021 Proposed Operations and Maintenance Budget and the Proposed 2021-2025 Capital Improvement Plan

Recommendation: Approve

General Manager informed Commissioners the 2021 Budget and Capital Improvement has been mailed out.

A motion was made by DeMatthew, seconded by Hewitt, that this file be Received and Filed

0547-20

Subject: Communication from the Village of Caledonia with regard to

peak flows

Recommendation: Defer

The Village of Caledonia sent in a letter in response to the exceedance letter received with detailed information on what steps they will be taking.

A motion was made by Mayor Mason, seconded by Vice President Taft, that this file be Deferred

Closed Session

Hewitt made a motion, seconded by Lui, to move the meeting into Closed Session at 5:16 p.m. The motion passed unanimously.

0540-20

Subject: Communication from the General Manager concerning compensation for an individual

Recommendation: Receive and File

A motion was made by Mason, seconded by Taft, that this file be Received and Filed

Open Session

Mason made a motion, seconded by DeMatthew, to move the meeting into Open Session at 5:40 p.m. The motion passed unanimously.

0560-20

Subject: Compensation for Wastewater Employee

The Commission discussed this item in closed session. The Commission authorized the General Manager to provide compensation for this individual in accordance with provisions consistent with the City Policy Manual in these circumstances. Furthermore, to develop a job description for the position and provide it to Human Resource for solicitation to fill the position with the most qualified candidate.

A motion was made by Mayor Mason, seconded by Hewitt, that this file be Approved

Adjournment

There being no further business, the meeting was adjourned at 5:50 p.m.



City of Racine

Meeting – Final

City Hall
730 Washington Ave.
Racine, WI 53403
www.cityofracine.org

Minutes of the Special Meeting of the Finance Committee of the Board of Wastewater Commissioners

Wednesday, September 2, 2020

5:12 p.m.

City Hall Annex, 800 Center St., Room 227

1. Roll Call

PRESENT: Thomas Bunker, Kathy DeMatthew, John Hewitt, Terry McCarthy

OTHERS PRESENT: K. Haas, M. Gitter, K. Scolaro, E. Garcia, S. Lohnhardt,
M. Kosterman, A. Kaminski, M. Klimek, B. Schimian, C.Regalia,
C. Mason

2. **Subject:** Review of the Proposed Operations and Maintenance Budget for 2021

Recommendation: Adopt and refer to the Board of Wastewater Commissioners

Finance Committee Member DeMatthew made a motion, seconded by Finance Committee Member Hewitt, to recommend adoption of the proposed budget on the Wastewater Utility Operation and Maintenance Budget for 2021 and refer it to the Board of Wastewater Commissioners. The motion passed unanimously.

3. **Subject:** Review of Proposed Capital Improvement Program – 2021-2025

Recommendation: Adopt the proposed Capital Improvement Program for 2021-2025 and refer to the Board of Wastewater Commissioners

Finance Committee Member DeMatthew made a motion, seconded by Finance Committee Member Hewitt, to recommend adoption of the proposed Wastewater Utility Capital Improvement Program Budget for 2021-2025 and refer it to the Board of Wastewater Commissioners. The motion passed unanimously.

4. Adjournment

There being no further business, the meeting was adjourned at 5:54 p.m.

APPROVED BY:

Recording Secretary

Chairman

DATE: September 4, 2020

DATE: September 4, 2020



City of Racine

City Hall
730 Washington Ave.
Racine, WI 53403
www.cityofracine.org

Meeting Agenda - Final Wastewater Commission

Tuesday, September 15, 2020

4:30 PM

City Hall Annex, Room 227

Roll Call

Approval of Minutes for the August 18, 2020 Meeting

Approval of Minutes for the September 2, 2020 Special Meeting of the Finance Committee of the Board of Wastewater Commissioners Meeting

- 1 **0582-20** **Subject:** Project Reports

 A) Facility Plan Update
- 2 **0573-20** **Subject:** Election of Officers
- 3 **0585-20** **Subject:** Communication from the General Manager submitting a proposal from AECOM to provide support services to respond to requests from various consultants and SSR Parties relating to Facility Plan information requests
- 4 **0606-20** **Subject:** Communication from the General Manager requesting permission for the City of Racine to sign certain permit applications and documents pertaining to City owned lands known as PIN 151032321010010
- 5 **0567-20** **Subject:** Proposal from Brown & Caldwell to provide hydraulic modeling service support
- 6 **0568-20** **Subject:** Proposal from Brown & Caldwell to provide Cost of Service Study support
- 7 **0581-20** **Subject:** Approval of Household Hazardous Waste Rates for 2021
- 8 **0580-20** **Subject:** Submittal of the Report of the Finance Committee of the Racine Wastewater Commission regarding Year 2021 Wastewater Utility Operations and Maintenance Budget and the 2021-2025 Capital Improvements Budget Recommending Adoption
- 9 **0613-20** **Subject:** Submittal of the 2021 Sewer Service Rates

Adjournment

If you are disabled and have accessibility needs or need information interpreted for you, please contact the office of the General Manager at 262.636.9181 at least 48 hours prior to this meeting. For meeting access, you may call 844.992.4726 access code: 126.946.0498



City of Racine

City Hall
730 Washington Ave.
Racine, WI 53403
www.cityofracine.org

Meeting Agenda – Final Wastewater Commission

Thursday, October 1, 2020

4:00 PM

City Hall Annex, Room 227

Roll Call

- 0651-20** **Subject:** Facilities Plan Presentation
- 0650-20** **Subject:** Submittal of the Report of the Finance Committee of the Racine Wastewater Commission regarding the 2021-2025 Capital Improvements Budget Recommending Adoption
- 0613-20** **Subject:** Submittal of the 2021 Sewer Service Rates
Recommendation on September 15, 2020: Defer

Adjournment

If you are disabled and have accessibility needs or need information interpreted for you, please contact the office of the General Manager at (262) 636-9181 at least 48 hours prior to this meeting. For meeting access, you may call 844.992.4726 access code: 126.958.0469.

Caledonia Utility District Newsletter

September 2020

Caledonia Utility District

Anthony Bunkelman, Utility Director
ABunkelman@caledonia-wi.gov

Robert J. Lui, Operations Supervisor
BLui@caledoniawiuutility.com

COMMISSIONERS

Howard C. Stacey, President
HS064@yahoo.com

Mike Pirk, Secretary
MikePirk@gmail.com

Nicholas Sullivan, Commissioner
Sullivan.Nicholas@gmail.com

Tony Minto, Commissioner
TMinto@wi.rr.com

Mark Brigman, Commissioner
MBrigman@wi.rr.com

Dave Ruffalo, Commissioner
DRuffalo@selectlee.com

Lee Wishau, Village Board Liaison
LWishau@caledonia-wi.gov

DISTRICT OFFICE

333 4 ½ Mile Road
Racine, WI 53402
Phone: (262) 681-3900
Fax: (262) 681-3903
Hours: 6:30 a.m. – 3:00 p.m.
After hours: (262) 939-3409

MEETINGS

The Caledonia Utility District Commission meets on the first Wednesday of each month at the district office. Meetings start at 6:00 p.m. and are open to the public. Agendas are available online at www.caledonia-wi.gov.

Don't Flush This!

Why should you care what gets flushed down your toilet? First, anything other than human waste and toilet paper can do expensive damage to your home plumbing system. Second, even if the item escapes your home's system, sewage blockages that end up in larger pipes affect the community. More blockages translate to a larger public bill.

Leading the **Do Not Flush** list are "flushable wipes". These "disposable" rags include **personal cleansing wipes, baby wipes, antibacterial cloths, and household or automobile cleaning rags**. These items do not biodegrade as promised. They build up in our system because they don't come apart.



For the same reason, please **do not flush tissues, paper towels, or tissue paper**. These items are designed to hold together when wet, and that is what they do.

The list could be endless, but please **do not flush cotton balls, swabs, condoms, dental floss, or hazardous waste (paint, medications, motor oil, and gasoline)**.

The City of Racine holds hazardous waste collection events, where Caledonia residents may bring their materials for free disposal. The drop off site is located at 6200 21st Street, and you can find collection dates at CityofRacine.org.

4th Quarter Rate Increase Approved

A financial plan prepared for Caledonia Utility District by PMA Securities identified budget shortfalls to support current obligations and needed improvements. Specifically, these include the I-94 Corridor cost share commitment, the 6-year Sanitary Sewer Capital Improvement Plan (CIP), and intensive rain events this summer that exposed the need for additional attenuation basins to control peak sewer flows. The financial plan proposed annual increases to the sewer service charge through 2026.

At the August 5th Utility District Meeting, it was determined that 2020 revenues are already behind, and that future increases should be as gradual as possible. The Caledonia Utility District approved a sewer service charge increase of \$14.00 per quarter, from \$126.00 to \$140.00 beginning on September 15, 2020. This 11.1% increase will be reflected in your next bill.

Residents are invited to review Resolution 2020-68 at _____ for complete details. We will continue to update you on specific projects in this newsletter.

Save Lives, Keep Fire Hydrants Clear of Snow



Do you have a fire hydrant in your yard? The fire department wants us to remind you that you can save lives and property by keeping the area around your hydrant free of snow. Firefighters waste precious time clearing equipment when they encounter hydrants that look like this one.

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount	Amount Paid	Date Paid	GL Account and Title
ACH - SUPERFLEET								
1730 ACH - SUPERFLEET		EJ974	FUEL FOR DISTRICT VEHICLES	09/20/2020	318.38	.00		501-00-63200 Fuel, Oil, Fluids
Total ACH - SUPERFLEET:					318.38	.00		
ACH - WE ENERGIES								
380 ACH - WE ENERGIES		08/26/2020	GAS & ELECTRIC SERVICE	08/27/2020	3,893.06	.00	09/03/2020	501-00-64140 Utilities
380 ACH - WE ENERGIES		9443-619-804	GAS & ELEC. SERVICE @ UTILI	09/29/2020	12,062.25	.00		501-00-64140 Utilities
Total ACH - WE ENERGIES:					15,955.31	.00		
ALLIANCE RESUME AND WRITING SERVICE								
3805 ALLIANCE RESUME AND WRIT		09/11/2020	SEPTEMBER 2020 NEWSLETTE	09/29/2020	390.00	.00		501-00-64030 Office Supplies
Total ALLIANCE RESUME AND WRITING SERVICE:					390.00	.00		
APEX KEY & LOCK								
118 APEX KEY & LOCK		19742090820	NEW CADDY VISTA L.S. KEYS	09/17/2020	25.00	.00		501-18729-000 Caddy Vista Lift Stations
Total APEX KEY & LOCK:					25.00	.00		
BLACKBURN MFG. CO.								
217 BLACKBURN MFG. CO.		0629974-IN	LOCATING FLAGS	09/09/2020	310.92	.00		501-00-64240 Building Repairs & Maintenance
Total BLACKBURN MFG. CO.:					310.92	.00		
BUY RIGHT, INC.								
273 BUY RIGHT, INC.		14873-293300	VEHICLE # 2 PARTS	09/02/2020	115.98	.00		501-00-63300 Vehicle Repairs & Maintenance
Total BUY RIGHT, INC.:					115.98	.00		
CALEDONIA FEED & SUPPLY								
276 CALEDONIA FEED & SUPPLY		52877	RESTORATION GRASS SEED	09/29/2020	99.83	.00		501-00-64240 Building Repairs & Maintenance
Total CALEDONIA FEED & SUPPLY:					99.83	.00		
DIGGERS HOTLINE								
519 DIGGERS HOTLINE		200 8 68901	DIGGERS HOTLINE LOCATES	09/17/2020	302.78	.00		501-00-64240 Building Repairs & Maintenance

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount	Amount Paid	Date Paid	GL Account and Title
Total DIGGERS HOTLINE:								
					302.78	.00		
FOTH Infrastructure & Environment, LLC								
666	FOTH Infrastructure & Environment	68627	RIVERBEND LIFT STATION SAF	08/27/2020	3,731.50	.00		501-18725-000 CIP-RIVERBEND SAFETY SITE
666	FOTH Infrastructure & Environment	68628	WIND POINT SEWER REHAB.	08/27/2020	6,875.99	.00		501-18723-000 CIP-Wind Point Sewer Rehab
666	FOTH Infrastructure & Environment	68630	SEWER MODELING	08/28/2020	2,732.50	.00		501-18727-000 CIP-Sewer Modeling
666	FOTH Infrastructure & Environment	68631	LIGHTHOUSE DRIVE LIFT STATI	08/28/2020	3,463.17	.00		501-18707-000 CIP-Lighthouse Lift Station
666	FOTH Infrastructure & Environment	68632	NEW CADDY VISTA L.S.	08/28/2020	1,156.87	.00		501-18729-000 Caddy Vista Lift Stations
666	FOTH Infrastructure & Environment	68634	WATER IMPACT FEE / SEWER C	08/28/2020	1,920.00	.00		501-00-61340 Engineering Design Charges
666	FOTH Infrastructure & Environment	68641	SOUTH LANE SEWER RELAY	08/28/2020	4,730.69	.00		501-18735-000 CIP-South Lane Sanitary Sewer
666	FOTH Infrastructure & Environment	68642	UTILITY DISTRICT ENGINEERIN	08/28/2020	1,722.00	.00		501-00-61340 Engineering Design Charges
666	FOTH Infrastructure & Environment	68642	UTILITY DISTRICT ENGINEERIN	08/28/2020	652.50	.00		501-18724-000 CIP-LIFT STATION UPGRADE
666	FOTH Infrastructure & Environment	68643	SEWER MODELING	08/28/2020	4,809.25	.00		501-18727-000 CIP-Sewer Modeling
666	FOTH Infrastructure & Environment	68645	2019 CMOM REPORTING	08/28/2020	1,945.00	.00		501-00-61340 Engineering Design Charges
666	FOTH Infrastructure & Environment	68646	GIS MAPPING UPDATES	08/28/2020	1,424.05	.00		501-18704-000 CIP-GIS Mapping
666	FOTH Infrastructure & Environment	69048	IMPACT FEE / SEWER CONNEC	09/24/2020	3,480.00	.00		501-00-61340 Engineering Design Charges
666	FOTH Infrastructure & Environment	69075	RIVERBEND L.S. SAFETY SITE	09/28/2020	6,116.90	.00		501-18725-000 CIP-RIVERBEND SAFETY SITE
666	FOTH Infrastructure & Environment	69076	WIND POINT SEWER REHAB.	09/28/2020	8,330.90	.00		501-18723-000 CIP-Wind Point Sewer Rehab
666	FOTH Infrastructure & Environment	69077	SEWER SYSTEM MOLELING	09/28/2020	3,086.00	.00		501-18727-000 CIP-Sewer Modeling
666	FOTH Infrastructure & Environment	69078	LIGHTHOUSE DRIVE L.S. UPGR	09/28/2020	1,027.61	.00		501-18707-000 CIP-Lighthouse Lift Station
666	FOTH Infrastructure & Environment	69079	NEW CADDY VISTA L.S.	09/28/2020	2,914.46	.00		501-18729-000 Caddy Vista Lift Stations
666	FOTH Infrastructure & Environment	69084	SOUTH LANE SEWER RELAY	09/28/2020	21,062.80	.00		501-18735-000 CIP-South Lane Sanitary Sewer
666	FOTH Infrastructure & Environment	69085	GENERAL ENGINEERING	09/28/2020	1,399.50	.00		501-00-61340 Engineering Design Charges
666	FOTH Infrastructure & Environment	69087	SEWER SYSTEM MODELING	09/28/2020	2,484.00	.00		501-18727-000 CIP-Sewer Modeling
666	FOTH Infrastructure & Environment	69088	HOODS CREEK ATTENUATION	09/28/2020	400.00	.00		501-18736-000 CIP-Hoods Creek Attenuation
666	FOTH Infrastructure & Environment	69089	ANNUAL TELEVISIONS INSPECTI	09/28/2020	383.00	.00		501-18710-000 CIP-Annual Sewer Televisor
666	FOTH Infrastructure & Environment	69090	GIS MAPPING UPDATES	09/28/2020	216.75	.00		501-18704-000 CIP-GIS Mapping
Total FOTH Infrastructure & Environment, LLC:					86,065.44	.00		
FRANKSVILLE OIL								
680	FRANKSVILLE OIL	30997	DEF FUEL FOR JET RODDER	09/22/2020	57.12	.00		501-00-63300 Vehicle Repairs & Maintenance
Total FRANKSVILLE OIL:					57.12	.00		
G & F EXCAVATING								
687	G & F EXCAVATING	34660	EXCAVATE TILE INSTALL FRAM	09/01/2020	3,241.50	.00		501-00-64240 Building Repairs & Maintenance
687	G & F EXCAVATING	34671	SEWER REPAIR 7001 NOVAK R	09/15/2020	5,848.00	.00		501-00-64240 Building Repairs & Maintenance
687	G & F EXCAVATING	34679	SEWER REPAIR 4 MILE / HUNT	09/21/2020	3,293.50	.00		501-00-64240 Building Repairs & Maintenance

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount	Amount Paid	Date Paid	GL Account and Title
687	G & F EXCAVATING	34688	HAUL DIRT FROM SHOP TO DU	09/24/2020	193.25	.00		501-00-64240 Building Repairs & Maintenance
	Total G & F EXCAVATING:				12,576.25	.00		
	JOHNSON CONTROLS SECURITY SOLUTIONS							
969	JOHNSON CONTROLS SECURI	34815163	UTILITY DISTRICT OFFICE ALA	09/05/2020	269.91	.00		501-00-64150 Communication Services
	Total JOHNSON CONTROLS SECURITY SOLUTIONS:				269.91	.00		
	KORTENDICK HARDWARE							
1096	KORTENDICK HARDWARE	134855	GOJO WIPES AND HINGE	06/23/2020	18.89	.00		501-00-64070 Work Supplies
1096	KORTENDICK HARDWARE	135228	LIGHTHOUSE DR. L.S. PARTS	07/10/2020	51.24	.00		501-18707-000 CIP-Lighthouse Lift Station
1096	KORTENDICK HARDWARE	136396	BUG KILLER	08/28/2020	11.92	.00		501-00-64070 Work Supplies
1096	KORTENDICK HARDWARE	136936	MISC. SUPPLIES	09/22/2020	48.47	.00		501-00-64070 Work Supplies
	Total KORTENDICK HARDWARE:				130.52	.00		
	LINCOLN CONTRACTORS SUPPLY							
1172	LINCOLN CONTRACTORS SUP	N01435	MARKING PAINT	09/08/2020	80.82	.00		501-00-64240 Building Repairs & Maintenance
	Total LINCOLN CONTRACTORS SUPPLY:				80.82	.00		
	MILWAUKEE METROPOLITAN SEWAGE DISTRICT							
1338	MILWAUKEE METROPOLITAN S	203-20	3RD QTR 2020 SEWER TREATM	09/21/2020	7,605.42	.00		501-00-62550 Sewer Treatment Charges
	Total MILWAUKEE METROPOLITAN SEWAGE DISTRICT:				7,605.42	.00		
	MULCAHY SHAW WATER, INC.							
1360	MULCAHY SHAW WATER, INC.	322769	FLOWMETER REPAIR	09/02/2020	595.80	.00		501-00-64240 Building Repairs & Maintenance
	Total MULCAHY SHAW WATER, INC.:				595.80	.00		
	NETWORK SPECIALIST							
1390	NETWORK SPECIALIST	39790	MICROSOFT LICENSE 1 YR. RE	09/01/2020	136.75	.00		501-00-64320 IT Infrastructure
1390	NETWORK SPECIALIST	39827	COMPUTER BACK UP FOR OCT	09/07/2020	125.00	.00		501-00-64320 IT Infrastructure
	Total NETWORK SPECIALIST:				261.75	.00		
	RAY HINTZ INC.							
1592	RAY HINTZ INC.	61364	RESTORATION TOPSOIL	09/29/2020	72.00	.00		501-00-64240 Building Repairs & Maintenance

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount	Amount Paid	Date Paid	GL Account and Title
Total RAY HINTZ INC.:								
					72.00	.00		
REESMANS EXCAVATING & GRADING								
1610	REESMANS EXCAVATING & GR	09/24/2020	PAY APP. # 2 SOUTH LANE SEW	09/29/2020	481,033.49	.00		501-18735-000 CIP-South Lane Sanitary Sewer
Total REESMANS EXCAVATING & GRADING:								
					481,033.49	.00		
REMY BATTERY								
9017	REMY BATTERY	5404987	BATTERIES FOR RIVERBEND L.	08/28/2020	431.90	.00		501-00-64240 Building Repairs & Maintenance
Total REMY BATTERY:								
					431.90	.00		
SHERWIN INDUSTRIES								
1795	SHERWIN INDUSTRIES	SCO45714	COLD PATCH FOR 4 MILE ROA	09/23/2020	432.79	.00		501-00-64240 Building Repairs & Maintenance
Total SHERWIN INDUSTRIES:								
					432.79	.00		
ULINE								
2030	ULINE	124591261	SEWER SAFETY SUPPLIES	09/22/2020	900.62	.00		501-00-64070 Work Supplies
2030	ULINE	124599913	SEWER SAFETY SUPPLIES	09/22/2020	262.80	.00		501-00-64070 Work Supplies
Total ULINE:								
					1,163.42	.00		
VORPAHL FIRE & SAFETY								
2092	VORPAHL FIRE & SAFETY	215303904	GAS MONITOR REPAIR	09/14/2020	59.92	.00		501-00-64240 Building Repairs & Maintenance
Total VORPAHL FIRE & SAFETY:								
					59.92	.00		
WISCONSIN DEPT OF TRANSPORTATION								
2168	WISCONSIN DEPT OF TRANSP	39523500971	RACINE TO MILWAUKEE ROAD	09/02/2020	750.15	.00		501-18726-000 CIP-DOT Hwy 32
Total WISCONSIN DEPT OF TRANSPORTATION:								
					750.15	.00		
Grand Totals:								
					609,104.90	.00		

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount	Amount Paid	Date Paid	GL Account and Title
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Dated: _____

Village President: _____

Village Board: _____

Village Clerk: _____

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount	Amount Paid	Date Paid	GL Account and Title
ACH - SUPERFLEET								
1730 ACH - SUPERFLEET	EJ974		FUEL FOR DISTRICT VEHICLES	09/20/2020	318.38	.00		500-00-63200 Fuel, Oil, Fluids
Total ACH - SUPERFLEET:					318.38	.00		
ACH - WE ENERGIES								
380 ACH - WE ENERGIES	9443-619-804		GAS & ELEC. SERVICE @ UTILI	09/29/2020	1,514.65	.00		500-00-64140 Utilities
Total ACH - WE ENERGIES:					1,514.65	.00		
ALLIANCE RESUME AND WRITING SERVICE								
3905 ALLIANCE RESUME AND WRITING SERVICE	09/11/2020		SEPTEMBER 2020 NEWSLETTE	09/29/2020	195.00	.00		500-00-64030 Office Supplies
Total ALLIANCE RESUME AND WRITING SERVICE:					195.00	.00		
BJELAJAC & KALLENBACH, LLC								
210 BJELAJAC & KALLENBACH, LL	20115-043d		GRACYALNY NOTICE OF INJUR	08/31/2020	442.40	.00		500-00-61100 Attorney Fees
Total BJELAJAC & KALLENBACH, LLC:					442.40	.00		
BLACKBURN MFG. CO.								
217 BLACKBURN MFG. CO.	0629974-IN		LOCATING FLAGS	09/09/2020	310.92	.00		500-00-64240 Building Repairs & Maintenance
Total BLACKBURN MFG. CO.:					310.92	.00		
BUY RIGHT, INC.								
273 BUY RIGHT, INC.	14873-293300		VEHICLE # 2 PARTS	09/02/2020	115.99	.00		500-00-63300 Vehicle Repairs & Maintenance
Total BUY RIGHT, INC.:					115.99	.00		
CALEDONIA FEED & SUPPLY								
276 CALEDONIA FEED & SUPPLY	52877		RESTORATION GRASS SEED	09/29/2020	49.92	.00		500-00-64240 Building Repairs & Maintenance
Total CALEDONIA FEED & SUPPLY:					49.92	.00		
CORE & MAIN								
405 CORE & MAIN	M883145		HWY 38 / EMMERTSEN ROAD H	09/11/2020	775.00	.00		500-00-64240 Building Repairs & Maintenance
405 CORE & MAIN	N081800		MISC. WATER INVENTORY PAR	09/25/2020	4,443.36	.00		500-00-64240 Building Repairs & Maintenance

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount	Amount Paid	Date Paid	GL Account and Title
Total CORE & MAIN:								
					5,218.36	.00		
DIGGERS HOTLINE								
519	DIGGERS HOTLINE	200 8 68901	DIGGERS HOTLINE LOCATES	09/17/2020	302.78	.00		500-00-64240 Building Repairs & Maintenance
Total DIGGERS HOTLINE:								
					302.78	.00		
FOTH infrastructure & Environment, LLC								
666	FOTH infrastructure & Environme	68634	WATER IMPACT FEE / SEWER C	08/28/2020	1,920.00	.00		500-00-61340 Engineering Design Charges
666	FOTH infrastructure & Environme	68636	STONEBRIDGE DRIVE WATERM	08/28/2020	2,792.08	.00		500-18731-107 CIP-Stonebridge Drive
666	FOTH infrastructure & Environme	68639	RIO VISTA ROAD WATERMAIN	08/28/2020	31,209.61	.00		500-18731-107 CIP-Stonebridge Drive
666	FOTH infrastructure & Environme	68642	UTILITY DISTRICT ENGINEERIN	08/28/2020	14,596.71	.00		500-00-61340 Engineering Design Charges
666	FOTH infrastructure & Environme	68646	GIS MAPPING UPDATES	08/28/2020	1,424.05	.00		500-18704-107 CIP-GIS Mapping
666	FOTH infrastructure & Environme	69048	IMPACT FEE / SEWER CONNEC	09/24/2020	3,944.00	.00		500-00-61340 Engineering Design Charges
666	FOTH infrastructure & Environme	69081	STONEBRIDGE DRIVE WATERM	09/28/2020	2,655.60	.00		500-18731-107 CIP-Stonebridge Drive
666	FOTH infrastructure & Environme	69083	RIO VISTA WATERMAIN RELAY	09/28/2020	22,997.81	.00		500-18731-107 CIP-Stonebridge Drive
666	FOTH infrastructure & Environme	69085	GENERAL ENGINEERING	09/28/2020	2,042.22	.00		500-00-61340 Engineering Design Charges
666	FOTH infrastructure & Environme	69090	GIS MAPPING UPDATES	09/28/2020	216.75	.00		500-18704-107 CIP-GIS Mapping
Total FOTH infrastructure & Environment, LLC:								
					83,798.83	.00		
FRANKSVILLE OIL								
680	FRANKSVILLE OIL	30997	DEF FUEL FOR JET RODDER	09/22/2020	19.04	.00		500-00-63300 Vehicle Repairs & Maintenance
Total FRANKSVILLE OIL:								
					19.04	.00		
G & F EXCAVATING								
687	G & F EXCAVATING	34653	WATERBREAK @ 2520 MARIGO	08/25/2020	2,426.00	.00		500-00-64240 Building Repairs & Maintenance
687	G & F EXCAVATING	34688	HAUL DIRT FROM SHOP TO DU	09/24/2020	579.75	.00		500-00-64240 Building Repairs & Maintenance
Total G & F EXCAVATING:								
					3,005.75	.00		
JOHNSON CONTROLS SECURITY SOLUTIONS								
969	JOHNSON CONTROLS SECURITY	34815163	UTILITY DISTRICT OFFICE ALA	09/05/2020	269.91	.00		500-00-64150 Communication Services
Total JOHNSON CONTROLS SECURITY SOLUTIONS:								
					269.91	.00		
KORTENDICK HARDWARE								
1096	KORTENDICK HARDWARE	134855	GOJO WIPES AND HINGE	06/23/2020	18.88	.00		500-00-64070 Work Supplies

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount	Amount Paid	Date Paid	GL Account and Title
1096	KORTENDICK HARDWARE	136396	BUG KILLER	08/28/2020	11.91	.00		500-00-64070 Work Supplies
1096	KORTENDICK HARDWARE	136933	PAINTING SUPPLIES	09/22/2020	30.42	.00		500-00-64070 Work Supplies
1096	KORTENDICK HARDWARE	136936	MISC. SUPPLIES	09/22/2020	48.47	.00		500-00-64070 Work Supplies
Total KORTENDICK HARDWARE:								
					109.68	.00		
LINCOLN CONTRACTORS SUPPLY								
1172	LINCOLN CONTRACTORS SUP	N01435	MARKING PAINT	09/08/2020	161.64	.00		500-00-64240 Building Repairs & Maintenance
Total LINCOLN CONTRACTORS SUPPLY:								
					161.64	.00		
NETWORK SPECIALIST								
1390	NETWORK SPECIALIST	39790	MICROSOFT LICENSE 1 YR. RE	09/01/2020	136.75	.00		500-00-64320 IT Infrastructure
1390	NETWORK SPECIALIST	39827	COMPUTER BACK UP FOR OCT	09/07/2020	125.00	.00		500-00-64320 IT Infrastructure
Total NETWORK SPECIALIST:								
					261.75	.00		
NORTHERN LAKE SERVICE, INC								
1411	NORTHERN LAKE SERVICE, IN	385987	VILLAGE HALL BAC "T" SAMPLE	09/10/2020	20.00	.00		500-00-64240 Building Repairs & Maintenance
1411	NORTHERN LAKE SERVICE, IN	386933	ASBESTOS WATER SAMPLE	09/18/2020	195.00	.00		500-00-64240 Building Repairs & Maintenance
Total NORTHERN LAKE SERVICE, INC:								
					215.00	.00		
OAK CREEK WATER UTILITY								
1423	OAK CREEK WATER UTILITY	4737	AUGUST 2020 BAC "T" SAMPLE	08/26/2020	365.00	.00		500-00-62550 Purchased Water
1423	OAK CREEK WATER UTILITY	4738	SEPTEMBER 2020 BAC "T" SAM	09/04/2020	365.00	.00		500-00-62550 Purchased Water
1423	OAK CREEK WATER UTILITY	4745	SEPTEMBER 2020 BAC "T" SAM	09/21/2020	365.00	.00		500-00-62550 Purchased Water
Total OAK CREEK WATER UTILITY:								
					1,095.00	.00		
PUBLIC SERVICE COMMISSION OF WISCONSIN								
1535	PUBLIC SERVICE COMMISSION	RA21-1-00900	PSC WATER UTILITY ASSESSM	09/29/2020	4,062.29	.00		500-00-61000 Professional Services
Total PUBLIC SERVICE COMMISSION OF WISCONSIN:								
					4,062.29	.00		
RAY HINTZ INC.								
1592	RAY HINTZ INC.	61258	TOP SOIL FOR HWY 38 / EMME	08/31/2020	88.00	.00		500-00-64240 Building Repairs & Maintenance
1592	RAY HINTZ INC.	61306	RESTORATION TOP SOIL	09/11/2020	128.00	.00		500-00-64240 Building Repairs & Maintenance
1592	RAY HINTZ INC.	61364	RESTORATION TOPSOIL	09/29/2020	24.00	.00		500-00-64240 Building Repairs & Maintenance

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount	Amount Paid	Date Paid	GL Account and Title
Total RAY HINTZ INC.:								
					240.00	.00		
VORPAHL FIRE & SAFETY								
2092	VORPAHL FIRE & SAFETY	215303904	GAS MONITOR REPAIR	09/14/2020	19.98	.00		500-00-64240 Building Repairs & Maintenance
Total VORPAHL FIRE & SAFETY:								
					19.98	.00		
WISCONSIN DEPT OF TRANSPORTATION								
2168	WISCONSIN DEPT OF TRANSP	39523500971	RACINE TO MILWAUKEE ROAD	09/02/2020	750.14	.00		500-18726-107 CIP-DOT HWY 32
Total WISCONSIN DEPT OF TRANSPORTATION:								
					750.14	.00		
Grand Totals:					102,477.41	.00		

Dated: _____

Village President: _____

Village Board: _____

Village Clerk: _____

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount	Amount Paid	Date Paid	GL Account and Title
BJELAJAC & KALLENBACH, LLC								
210	BJELAJAC & KALLENBACH, LL	19116-067d	FILING FEE STORMWATER EAS	08/31/2020	35.00	.00		502-00-61100 Attorney Fees
Total BJEELAJAC & KALLENBACH, LLC:								
					35.00	.00		
BLACKBURN MFG. CO.								
217	BLACKBURN MFG. CO.	0629974-IN	LOCATING FLAGS	09/09/2020	310.93	.00		502-00-64070 Work Supplies
Total BLACKBURN MFG. CO.:								
					310.93	.00		
D.C. LANDSCAPE LLC								
22	D.C. LANDSCAPE LLC	1614	LANDSCAPE WORK 5001 ALEX	09/04/2020	8,178.00	.00		502-00-64240 Building Repairs & Maintenance
Total D.C. LANDSCAPE LLC:								
					8,178.00	.00		
DIGGERS HOTLINE								
519	DIGGERS HOTLINE	200 8 68901	DIGGERS HOTLINE LOCATES	09/17/2020	302.79	.00		502-00-64240 Building Repairs & Maintenance
Total DIGGERS HOTLINE:								
					302.79	.00		
EUROFINS S-F ANALYTICAL LAB								
620	EUROFINS S-F ANALYTICAL LA	4800027670	ILLICIT DISCHARGE TESTING	08/03/2020	232.50	.00		502-00-64500 Permits & Fees
620	EUROFINS S-F ANALYTICAL LA	5000030427	ILLICIT DISCHARGE TESTING	08/18/2020	397.50	.00		502-00-64500 Permits & Fees
Total EUROFINS S-F ANALYTICAL LAB:								
					630.00	.00		
FOTH infrastructure & Environment, LLC								
666	FOTH infrastructure & Environme	68622	WIND DALE STORM DRAINAGE	08/27/2020	16,246.17	.00		502-00-65150 Storm Sewers
666	FOTH infrastructure & Environme	68623	W.P. STORM DRAINAGE IMPRO	08/27/2020	1,431.40	.00		502-00-65150 Storm Sewers
666	FOTH infrastructure & Environme	68624	STH 32 STREAM RESTORATION	08/27/2020	8,194.00	.00		502-00-65150 Storm Sewers
666	FOTH infrastructure & Environme	69072	WIND DALE STORM DRAINAGE	09/28/2020	5,436.40	.00		502-00-65150 Storm Sewers
666	FOTH infrastructure & Environme	69073	WIND POINT WEST STORM DR	09/28/2020	1,868.16	.00		502-00-65150 Storm Sewers
666	FOTH infrastructure & Environme	69074	STH 32 STREAM RESTORATION	09/28/2020	10,054.75	.00		502-00-65150 Storm Sewers
Total FOTH infrastructure & Environment, LLC:								
					43,230.88	.00		
G & F EXCAVATING								
687	G & F EXCAVATING	34667	INSTALL MANHOLE JOLSON ST	09/08/2020	3,199.00	.00		502-00-64240 Building Repairs & Maintenance
687	G & F EXCAVATING	34680	JOLSON LANE CLEAN UP AFTE	09/21/2020	717.40	.00		502-00-64240 Building Repairs & Maintenance

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount	Amount Paid	Date Paid	GL Account and Title
	Total G & F EXCAVATING:				3,916.40	.00		
	LINCOLN CONTRACTORS SUPPLY							
1172	LINCOLN CONTRACTORS SUP	N01435	MARKING PAINT	09/09/2020	80.82	.00		502-00-64070 Work Supplies
	Total LINCOLN CONTRACTORS SUPPLY:				80.82	.00		
	REESMANS EXCAVATING & GRADING							
1610	REESMANS EXCAVATING & GR	09/29/2020	PAY APP. # 4 WIND POINT WES	09/30/2020	282,041.76	.00		502-00-65150 Storm Sewers
	Total REESMANS EXCAVATING & GRADING:				282,041.76	.00		
	ROHNER ASPHALT & GRADING, INC.							
1682	ROHNER ASPHALT & GRADING,	09/10/2020	STORM SEWER CATCH BASIN	09/17/2020	1,389.45	.00		502-00-64240 Building Repairs & Maintenance
	Total ROHNER ASPHALT & GRADING, INC.:				1,389.45	.00		
	SME SEASONAL SERVICES LLC							
1813	SME SEASONAL SERVICES LL	5519	MOWING CHARLES STREET DR	08/29/2020	65.00	.00		502-00-64260 Grounds Repairs & Maintenance
1813	SME SEASONAL SERVICES LL	5520	MOWING PHASE 1 AND PHASE	08/29/2020	2,000.00	.00		502-00-64260 Grounds Repairs & Maintenance
	Total SME SEASONAL SERVICES LLC:				2,065.00	.00		
	STRAND ASSOCIATES INC.							
1893	STRAND ASSOCIATES INC.	0163995	ILLICIT DISCHARGE DETECTIO	09/14/2020	791.95	.00		502-00-64500 Permits & Fees
	Total STRAND ASSOCIATES INC.:				791.95	.00		
	WESTERN CULVERT & SUPPLY INC.							
2131	WESTERN CULVERT & SUPPLY	061591	CULVERT REPLACEMENT PIEC	09/10/2020	10,738.90	.00		502-00-65150 Storm Sewers
	Total WESTERN CULVERT & SUPPLY INC.:				10,738.90	.00		
	Grand Totals:				353,711.88	.00		

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount	Amount Paid	Date Paid	GL Account and Title
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Dated: _____

Village President: _____

Village Board: _____

Village Clerk: _____

Caddy Vista Sanitary Sewer Improvements and Lift Station Replacement

Sewer & Water

Contractor

Super Excavators Inc.

Original Contract	\$	3,957,995.00	
Change Order #1 (11/6/2019)	\$	(51,563.50)	-1.30%
Change Order #2 (11/6/2019)	\$	6,633.70	0.17%
Change Order #3 (6/25/2020)	\$	24,328.00	0.61%
Percentage All Change Orders	\$	(20,601.80)	-0.52%
Current Contract	\$	3,937,393.20	
Pay Request #1	\$	315,313.55	5/30/2019
Retainage	\$	16,595.45	
Pay Request #2	\$	517,755.70	7/12/2019
Retainage	\$	27,250.30	
Pay Request #3	\$	394,665.15	8/1/2019
Retainage	\$	20,771.85	
Pay Request #4	\$	621,620.15	8/22/2019
Retainage	\$	32,716.85	
Pay Request #5	\$	615,018.03	9/26/2019
Retainage	\$	32,369.37	
Pay Request #6	\$	511,288.29	12/4/2019
Retainage	\$	26,909.91	
Pay Request #7	\$	409,821.47	1/2/2020
Retainage	\$	21,569.55	
Pay Request #8	\$	89,650.33	3/4/2020
Pay Request #9	\$	309,704.23	6/25/2020
Remaining on Contract (Including Retainage)	\$	152,556.30	3.9%
Owner Direct Purchase Usemeo	\$	324,193.00	
Owner Direct Purchase Starnet	\$	55,225.00	
Engineering / Construction Services (12/22/2016 - 12/26/2019)	\$	754,344.22	
Total Project Cost	\$	5,046,827.42	
Budget 2018 Sewer	\$	3,200,000.00	
Budget 2019 Sewer	\$	4,100,000.00	
Revised 2019 CIP	\$	5,000,000.00	

STH 32 Utility Improvements DOT

Sewer & Water

Contractor	Payne and Dolan Inc.		
Original Contract	\$	266,043.63	
Change Order	\$	-	0.0%
Current Contract	\$	266,043.63	
Pay Request	\$	7,396.43	10/3/2019
Pay Request	\$	92,497.63	12/4/2019
Pay Request	\$	80,448.04	1/15/2020
Pay Request	\$	2,645.08	2/3/2020
Pay Request	\$	64,166.90	2/5/2020
Pay Request	\$	1,014.86	4/8/2020
Pay Request	\$	1,655.72	5/1/2020
Pay Request	\$	405.27	6/1/2020
Pay Request	\$	1,500.29	9/2/2020
Remaining on Contract (Including Retainage)	\$	14,313.41	5.4%
Engineering / Construction Services DOT 12/11/2018	\$	39,906.54	
Pay Request #1 Engineering Only	\$	868.07	6/4/2019
Pay Request #2 Engineering Only	\$	2,685.06	8/1/2019
Pay Request #3 Engineering Only	\$	2,766.76	9/4/2019
Remaining on Contract (Including Retainage)	\$	33,586.65	84.2%
Foth Engineering/Review (7/23/2019 - 6/3/2020)	\$	61,034.29	
Total Project Cost	\$	366,984.46	
Revised 2019 CIP	\$	350,000.00	

DeBack Industrial Park Phase 3 Improvements

Sewer & Water

Contractor	Globe Contractors Inc.		
Original Contract	\$	5,492,315.00	
Change Order #1 (3/15/2019)	\$	5,200.78	0.09%
Change Order #2 (5/7/2019)	\$	31,676.00	0.58%
Current Contract	\$	5,529,191.78	
Pay Request #1	\$	2,714,903.07	1/4/2019
Retainage	\$	142,889.64	
Pay Request #2	\$	989,536.31	1/31/2019
Retainage	\$	(5,581.76)	
Pay Request #3	\$	1,170,751.00	3/6/2019
Retainage			
Pay Request #4	\$	66,125.77	3/15/2019
Retainage			
Pay Request #5	\$	37,649.69	4/19/2019
Retainage			
Pay Request #6	\$	58,276.21	5/30/2019
Retainage			
Pay Request #7	\$	288,046.74	9/26/2019
Retainage			
Remaining on Contract (Including Retainage)	\$	203,902.99	3.7%
Engineering / Construction Services (12/22/2016 - 4/18/2019)	\$	515,957.79	
Total Project Cost	\$	6,045,149.57	
Oversizing Only (Utility District)			
Water	\$	104,890.20	
Sewer	\$	1,247,791.01	
Revised 2019 CIP	\$	1,352,681.21	

Lighthouse Drive Lift Station

Sewer

Contractor	QSP Utility		
Original Contract	\$	191,786.00	
Change Order	\$	-	
Current Contract	\$	191,786.00	
Pay Request #1	\$	51,021.65	5/21/2020
Retainage	\$	2,685.35	
Pay Request #2	\$	43,700.00	6/24/2020
Retainage	\$	2,300.00	
Remaining on Contract (Including Retainage)	\$	97,064.35	51%
Owner Direct Purchase LW Allen	\$	61,700.00	
Owner Direct Purchase Starnet	\$	159,850.00	
Explosion Proof Light	\$	1,148.50	
We Energies Gas & Electric	\$	11,586.75	
Wind Point Permits	\$	738.00	
Test Holes - Soils	\$	450.00	
Legal	\$	687.00	
Generator Connect	\$	3,177.09	
Can Metal Review	\$	185.81	
Design Engineering (12/22/2016 - 3/29/2020)	\$	84,134.72	
Construction Services (4/2020 to Current)	\$	24,233.38	
Total Project Cost	\$	539,677.25	
Revised Budget 2020 Sewer	\$	600,000.00	
Revised 2020 CIP	\$	600,000.00	

South Lane Sanitary Relay
Sewer

Contractor	Reesman's	
Original Contract	\$	690,585.24
Change Order #1	\$	18,040.00 2.61%
Current Contract	\$	708,625.24
Pay Request #1	\$	119,444.87 8/27/2020
Retainage	\$	6,286.57
Pay Request #2	\$	481,033.49 9/24/2020
Retainage	\$	12,142.19
Remaining on Contract (Including Retainage)	\$	108,146.88 15%
Televise Line	\$	3,862.50
Design Engineering (2/19/2019 - 6/3/2020)	\$	58,014.00
Construction Services (6/3/2020 to Current)	\$	5,635.58
Total Project Cost	\$	776,137.32
Budget 2020 Sewer	\$	905,000.00
Revised 2020 CIP	\$	885,000.00

Wind Dale / Wind Point West

Storm, Sewer

Contractor	Reesman's		
Original Contract	\$	1,566,307.81	
Change Order #1	\$	53,691.00	3.43%
Change Order #2	\$	100,491.30	6.42%
Change Order #3	\$	20,040.27	1.28%
Total All Change Orders	\$	174,222.57	11.12%
Current Contract	\$	1,740,530.38	
Pay Request #1	\$	244,585.87	6/25/2020
Retainage	\$	12,872.94	
Pay Request #2	\$	439,987.88	7/28/2020
Retainage	\$	23,157.26	
Pay Request #3	\$	647,894.85	8/27/2020
Retainage	\$	5,544.55	
Pay Request #4	\$	282,041.76	9/22/2020
Remaining on Contract (Including Retainage)	\$	126,020.02	7%
Design Engineering (1/26/2018 - 6/3/2020)	\$	153,485.98	
Construction Services (6/23/2020 to 8/27/2020)	\$	48,580.70	
Total Project Cost	\$	1,942,597.06	
Budget 2020 Sewer	\$	-	
Budget 2020 Storm	\$	1,026,500.00	
Revised 2020 CIP Sewer	\$	140,000.00	
Revised 2020 CIP Storm	\$	1,650,000.00	

Rio Vista Shorewood Stonebridge

Water, Sewer

Contractor	PTS Contractors Inc		
Original Contract	\$	930,020.00	
Change Order	\$	-	
Current Contract	\$	930,020.00	
Pay Request #1	\$	263,005.60	8/27/2020
Retainage	\$	13,842.40	
Remaining on Contract (Including Retainage)	\$	667,014.40	72%
Design Engineering (4/18/2019 - 6/22/2020)	\$	103,591.91	
Construction Services (7/2020 to Current)	\$	2,026.50	
Total Project Cost	\$	1,033,611.91	
Budget 2020 Sewer	\$	265,000.00	
Budget 2020 Water	\$	1,626,000.00	
Revised 2020 CIP Sewer	\$	385,000.00	
Revised 2020 CIP Water	\$	825,000.00	

**CALEDONIA UTILITY DISTRICT
SEWER & WATER PROJECTS
PROJECT SUMMARY WORKSHEET**

Caddy Vista Improvements / Lift Station

- Restoration work completed. Awaiting final pay request.

Riverbend Drive Lift Station Safety Site

- Design of project has restarted due to Sewer Capacity Issues.

Lighthouse Drive Lift Station Upgrade Site

- Project near completion.

South Lane Sanitary Sewer

- Sewer main and laterals installed. Milling of road to scheduled for Friday October 2. Restoration to begin shortly.

Rio Vista Shorewood & Stonebridge Utility Improvements

- Contractor working on Restoration of areas.

DeBack Industrial Park Phase 3 Improvements

- Information has been sent to the owners and the Special Assessment meeting will be held when the Village Hall can host larger public meetings.

Annual Televising Program – Sanitary Sewer

- Repaired sanitary sewer near 6 Mile Road and Novak Road. Klema Ditch Interceptor added to televising schedule. Will be reviewing results when received.

Water Impact Fee / Sewer Connection Fee Update

- Meeting with Foth on Friday October 2 to discuss fees.

EPA Risk & Resilience Assessment and Emergency Response Plan

- Received information on facilities and started performing review of them for Assessment.

**CALEDONIA UTILITY DISTRICT
STORM WATER PROJECTS
PROJECT SUMMARY WORKSHEET**

Hoods Creek – Aldebaran Brushing Project

- Awaiting dry weather and then will re-assess the needs of the Hoods Creek along the Aldebaran Subdivision

Tanglewood Avenue Storm Sewer Project

- Road paving completed. Restoration completed. Will be scheduling a walkthrough to create a punchlist.

Wind Point West Subdivision Project

- Road paving/patching completed. Restoration completed. Lining of sanitary nearly finished. Will be scheduling a walkthrough to create a punchlist.

GIS Updates

- Provided Storm Water Easement information for Hyperlinking. New information has been provided will be updating shapefiles as time allows.

Alcyn Drive –Drainage Complaint

- Waiting for contractor pricing. Then will respond to owners.

Douglas Avenue – OMG Ditch Project

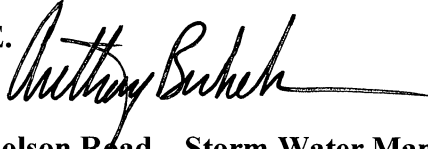
- Working on cross section necessary to handle the 100-year storm per owner's request. Also working with extending project to North stream per owner's request.

MEMORANDUM

DATE: Thursday, October 1, 2020

TO: Caledonia Utility District

FROM: Anthony A. Bunkelman P.E.
Utility Director



RE: Probio RE LLC– 4011 Nicholson Road – Storm Water Management Plan, Site Grading Plan & Utility Plan – Conditional Approval

BACKGROUND INFORMATION

Matt Mrochinski and Ben Warntjes of Excel Engineering have submitted a Storm Water Management Plan and a Site Grading Plan for Probio RE LLC. Probio RE LLC is located at 4011 Nicholson Road in the Caledonia Industrial Park. The project involves the construction of a 56,100 square foot processing facility with office space, parking lot, driveway, loading docks and trash compactors.

This project falls under Stream Protection Storm Water Regulations. Stream Protection Storm Water Regulations are that the 100-yr. post development peak runoff must be reduced to or below the 2-yr. pre-development peak runoff. The site must also achieve 80% Total Suspended Solids removal.

The Site, through the development of the Storm Water Management Plan, achieves these requirements by the construction of 2 Storm Water ponds and grading on the lot. There is a 0.9-acre retention pond in the Southeast corner of the site which provides 75,000 ft³ of storage and a 0.17-acre detention pond near the Southwest corner of the site which provides 5,800 ft³ of storage. The Storm Water Management Plan also accounts for future expansion of the facility both to the East and to the North.

The Storm Water Management Plan has been reviewed by the Utility Director and is ready for approval.

The Site Grading Plan shows how the site will be graded to the storm water ponds. The majority of the site will be graded to drain to storm sewer or swales to the Southeast retention pond. A small portion of the site which consists of a portion of the parking lot and driveway will be graded to drain to the Southwest detention pond. The Storm Sewer proposed on the site will drain to the Southeast retention pond and has been sized to convey a 100-year storm event without surcharging.

The Site Grading Plan has also been reviewed by the Utility Director and is ready for approval.

For Water and Sanitary Sewer service for the site, the TID #3 Watermain project connecting the watermain from Storage Drive and Nicholson Road was completed in late 2018 and the Sanitary Sewer is existing in Storage Drive. Probio RE LLC will be installing a water lateral off of the

watermain and has requested a 6" water meter. For sanitary sewer Probio RE LLC will be installing a private lift station and a 65,000-gallon equalization basin to control and regulate the discharge from the site.

The Water and Sanitary Sewer for the site have been reviewed by the District's Engineering Consultant and are ready for approval.

Included in this packet is a copy of the Summary of the Storm Water Management Plan, select pages from the Site Grading Plan, and approval letters for the Storm Water Management Plan, Site Grading Plan and Utilities for the Project.

RECOMMENDATION

Move to approve the Storm Water Management Plan, Site Grading Plan and Utilities Plan for Probio RE LLC subject to the following:

- 1. The Design Engineer determines that the plans approved by the Caledonia Utility District are technically adequate and are stamped by the Design Engineer.**
- 2. A Storm Water Easement/Maintenance Agreement will need to be granted by the Owners to encompass the Storm Water Ponds and Outlet Structures. The Design Engineer shall provide the following: An Exhibit of the entire property, a Legal Description of the entire property, an Exhibit of the Storm Water Easements, a Legal Description of the Storm Water Easements, and a maintenance plan for the facility. (Basin and Outlets).**
- 3. A Sanitary Sewer Easement Agreement will need to be granted by the Owners to encompass the Sanitary Sewer monitoring/sampling manhole. The Design Engineer shall provide the following: An Exhibit of the entire property, a Legal Description of the entire property, an Exhibit of the Sanitary Sewer Easement, and a Legal Description of the Sanitary Sewer Easement.**
- 4. A Financial Guarantee will need to be made and a Deposit Agreement will need to be executed by the owners to ensure that the Storm Water Ponds and Outlet structures are installed, asbuilt and certified by the Design Engineer. This is to ensure that the Storm Water Ponds are constructed in accordance with the approved plans.**

Thursday, October 1, 2020

Excel Engineering
c/o Matt Mrochinski
100 Camelot Drive
Fond du Lac, WI 54935

RE: Probio - Storm Water Management Plan & Site Grading Plan Review

Dear Mr. Mrochinski:

The Village of Caledonia has performed a review of the Storm Water Management Plan and the Site Grading Plan for the Probio Development dated and submitted September 29th.

The Storm Water Management Plan and Site Grading Plan are hereby approved.

Be aware that there are still items that will need to be addressed prior to the release of a Building Permit. These items are listed below.

• **Items to be submitted prior to the release of a Building Permit**

- A Storm Water Easement/Maintenance Agreement will need to be granted by the Owners to encompass the Storm Water Ponds and Outlet Structures. The Design Engineer shall provide the following: An Exhibit of the entire property, a Legal Description of the entire property, an Exhibit of the Storm Water Easements, a Legal Description of the Storm Water Easements, and a maintenance plan for the facility. (Basin and Outlets).
- A Sanitary Sewer Easement Agreement will need to be granted by the Owners to encompass a Sanitary Sewer monitoring/sampling manhole. The Design Engineer shall provide the following: An Exhibit of the entire property, a Legal Description of the entire property, an Exhibit of the Sanitary Sewer Easement, and a Legal Description of the Sanitary Sewer Easement.
- A Financial Guarantee (\$20,000) will need to be made and a Deposit Agreement will need to be executed by the owners to ensure that the Storm Water Ponds and Outlet structures are installed, asbuilt and certified by the Design Engineer. This is to ensure that the Storm Water Ponds are constructed in accordance with the approved plans.

Sincerely;



Anthony A. Bunkelman P.E.
Utility Director
Village of Caledonia



Lincoln Center II • 2514 South 102nd Street, Suite 278
West Allis, WI 53227
(414) 336-7900 • Fax: (414) 336-7901
www.foth.com

October 1, 2020

Tony Bunkelman, P.E.
Caledonia Utility District
5043 Chester Lane
Racine, WI 53402

RE: Probio Re LLC
Sanitary Sewer and Water Main Review

Dear Tony:

We have reviewed the revised plan set dated September 14, 2020 as prepared by Excel Engineering, Inc. for Probio Re LLC of Caledonia, LLC and recommend approval of the proposed plan.

Please call if there are any questions or comments.

Sincerely,
Foth Infrastructure & Environment, LLC

A handwritten signature in black ink, appearing to read "Andy M. Schultz".

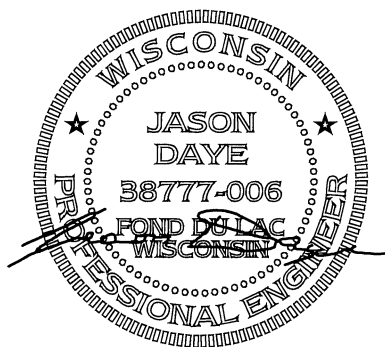
Andy Schultz, PE
Project Manager

Enclosure

cc: Bob Lui – Caledonia Utility District

STORM WATER and EROSION CONTROL CALCULATIONS
FOR:
PROBIO RE LLC
VILLAGE OF CALEDONIA, WI

BASED ON SCS TR-55 METHOD, MANNING'S EQUATION, and SLAMM
AUGUST 18, 2020
UPDATED: SEPTEMBER 14, 2020
UPDATED: SEPTEMBER 29, 2020



Prepared By:
Jason Daye, P.E.
Excel Engineering Inc.
100 Camelot Drive
Fond du Lac, WI 54935
920-926-9800

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- Overview
- Soil Information
- Rainfall Data
- Runoff Summary
- Water Quality Information
- Storm Sewer Pipe Design
- 100-Year Conveyance
- Infiltration Requirements
- Erosion Control
- Post Construction Operation and Management Plan
- Appendix A: Soil Maps & Boring Logs
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- Appendix C: Post Developed Areas
- Appendix D: Pipe Basin Map
- Appendix E: Storm Pipe Capacity Calculations
- Appendix F: Currently Proposed SLAMM Input Information
- Appendix G: Currently Proposed SLAMM Output Information
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- Appendix I: Future SLAMM Output Information
- Appendix J: SCS TR55 Stormwater Management Calculations
- Appendix K: USLE Map and Spreadsheet
- Appendix L: DSPS Exterior Isometric

Overview

The proposed project is located at 4011 Nicholson Road, in the Village of Caledonia. The total site acreage is 24.02 acres. The project will be an industrial new development. The project consists of the new construction of a 56,100 sf processing facility with office space, new exterior parking lot, new driveways, sidewalks, loading docks, and trash compactors. The existing zoning is M-2, General Industrial District. The majority of the site drains to the southeast with the whole site discharging to a local ditch, with a small portion of the west site extents draining west into the Nicholson Road ROW ditch. The total area of site disturbance will be 11.71 acres. The majority of the site is undeveloped agricultural land and therefore the entire project is considered new development for stormwater design purposes.

Site stormwater will be managed through the use of a wet pond in the southeast corner of the site to treat for water quality, and peak discharge from the site. Additionally, a dry detention pond is proposed in the west end of the site, just north of the site access driveway which will collect and manage the peak runoff for a small portion of the development site.

In the post-development condition, the site will be held to the pre-developed rates for all storm events up to the 100-year 24 hour design storms. Additionally, per Village of Caledonia code, the 100-year post-development peak runoff flow has been reduced to below that of the 2-year pre-development peak runoff flowrate. Total suspended solids for the development will be reduced by over 80% for the entire site. The site is exempt from meeting infiltration requirements per NR 151.124(3)(b)3 due to the clay subsurface soils found within the first ~20-30' below grade around the entire site. The stormwater improvements have been sized to accommodate future development onsite. The calculations for the future site account for the currently proposed site as well as the property area directly north of the proposed development maxing out at 60% impervious.

Soils:

Existing Soils data: Soil Type: EtA Elliot silt loam, 0-2% slopes HSG C/D
EtB Elliot silty clay loam, 2-6% slopes HSG C/D
MeB Markham silt loam, 2-6% HSG C

Soil borings and geotechnical analysis has been conducted onsite. See Appendix A for the findings of the geotechnical investigation.

Rainfall Data:

*Based on NOAA Atlas 14 Rainfall data

1-Year Precipitation = 2.35 in
2-Year Precipitation = 2.67 in
10-Year Precipitation = 3.77 in
100-Year Precipitation = 5.92 in

Site Runoff Summary: (See Appendix J)

Table 1. Pre-Development Runoff Summary Chart (Flows in cfs)

Storm	Pre 1 (East)	Pre 2 (West)	North Offsite	Total Pre
1-yr	9.46	1.64	0.23	11.19
2-yr	12.71	2.19	0.31	15.00
10-yr	25.16	4.28	0.62	29.53
100yr	52.33	8.82	1.29	61.17

Table 2. Post-Development Runoff Summary Chart – East Discharge (Flows in cfs)

Storm	Post 1	Future Basin	North Offsite	Post to East Pond	East Pond Release
1-yr	18.79	18.00	0.38	37.18	1.72
2-yr	22.49	21.86	0.51	44.86	2.41
10-yr	35.33	35.38	0.98	71.69	5.56
100yr	60.31	61.98	2.01	124.30	9.05

Table 3. Post-Development Runoff Summary Chart – West Discharge (Flows in cfs)

Storm	Post 2	West Pond Release	Post 3	Total Post West
1-yr	1.35	0.38	0.24	0.55
2-yr	1.65	0.43	0.33	0.67
10-yr	2.72	0.60	0.70	1.16
100yr	4.83	0.82	1.50	2.16

Table 4. Conclusion – East Discharge (Flows in cfs)

Storm	East Pre Discharge		East Post Discharge
1-yr	9.46	>	1.72
2-yr	12.71	>	2.41
10-yr	25.16	>	5.56
100yr	52.33	>	9.05

Table 5. Conclusion – West Discharge (Flows in cfs)

Storm	West Pre Discharge		West Post Discharge
1-yr	1.64	>	0.55
2-yr	2.19	>	0.67
10-yr	4.28	>	1.16
100yr	8.82	>	2.16

Table 6. Conclusion – Total Site Discharge (Flows in cfs)

Storm	Total Pre Discharge		Total Post Discharge
1-yr	11.19	>	2.02
2-yr	15.00	>	2.76
10-yr	29.53	>	6.17
100yr	61.17	>	9.97

All peak discharge calculations account for future development with 60% max impervious. See the attached Post-Development Basin Map in Appendix C

The above calculations show that post runoff calculations for all the storms are less than the pre-developed rates for both discharge locations onsite and as a whole for the entire site. Additionally, bolded in the Conclusion tables above are the 2-year Pre-Development and 100-year Post-Development discharge rates. As shown, the 100-year Post-Development discharge rates are less than the 2-year Pre-Development discharge rates for both the east and west basins and again for the site as a whole.

As shown in the Pre-Development and Post-Development basin maps, an existing portion of area north of the current development site discharges to the west (Appendix B). This area is intended to be developed and directed to the southeast pond and therefore has been included in the post-development future basin (Appendix C). Conservatively, this area has not been included in the pre-development basin calculations – meaning the post-construction runoff rate is being reduced even further from the existing runoff rate which has been calculated.

The majority of the site is directed to the east and through the onsite wet pond. Peak flows from the east pond are reduced through the use of an 8” orifice at the permanent pool surface elevation, as well as a 12” orifice 1.5’ above the first orifice. The outlet structure rim has been set at an elevation of 745.90 (above the 100-year peak elevation). The 100-year storm event will safely be contained within the pond below the rim of the outlet structure at a peak elevation of 745.60 – meaning the 100-year storm event will be detained in the pond without use of the emergency spillway.

A small portion of the post-development site will be managed for peak flows through the use of a dry detention pond located on the west extents of the property. A 5” orifice will be used at the bottom of the dry detention pond to manage the peak flows out of the pond. The rim of the outlet structure is set at 747.00 which is above the 100-year peak elevation of 746.87 – meaning the 100-year storm event will be detained within the pond without the use of the emergency spillway as well.

See wet pond information and details on sheets C1.2, C1.3, and C2.0 for all storm elevations and wet pond information.

Water Quality to provide TSS Removal:

The project has been designed to achieve 80% TSS removal across the entire site through the use of a wet pond in the southeast corner of the site. Sediment removal calculations have been provided for both the current development site as well as the future buildout of the property; both show that over 80% removal will be achieved through the use of the onsite wet pond. The west portion of the site which discharges to the

Current Phase SLAMM:

The SLAMM analysis summary for the current phase of development can be found below and full calculations can be found in Appendix F & G.

	<u>Particulate Solids Created (lbs)</u>	<u>Particulate Solids Yield After Drainage and Controls (lbs)</u>
New Development:	2,606	176.1

Result: Reduction in Solids = $(2,606 - 176.1) / 2,606 = 93.24\%$ removal
Calculations for the sediment removal can be seen on the attached SLAMM print outs.

Future Full Buildout SLAMM:

The SLAMM analysis summary for the current phase of development can be found below and full calculations can be found in Appendix H & I.

	<u>Particulate Solids Created (lbs)</u>	<u>Particulate Solids Yield After Drainage and Controls (lbs)</u>
New Development:	7,886	1,249

Result: Reduction in Solids = $(7,886 - 1,249) / 7,886 = 84.16\%$ removal
Calculations for the sediment removal can be seen on the attached SLAMM print outs.

Storm Pipe Design: (See attached calculations in Appendix D & E).

All site storm sewer has been designed to pass the 100-year design storm, except for the roof drainage pipes which have been sized per DSPS state plumbing code. While roof drainage pipes have been sized per DSPS, the adjacent site storm sewer which collects the 100-year roof overflow discharge has been sized to adequately pass this overflow from the roof. TR-55 calculations are located in Appendix E and Mannings Equation was used to calculate full flow capacities of the pipes. See Pipe Spreadsheet in Appendix E.

100-Year Storm Conveyance

- The storm sewer onsite has been sized to safely convey the 100-year storm event to the respective wet and dry ponds. Both ponds have been designed to safely convey the 100-YR event without the need to use the emergency spillways. In the event of a rainfall above the pond capacity, overland emergency spillways have been provided to safely convey water to the respective discharge locations.

Infiltration:

The site is exempt from infiltration requirements per NR 151.124(3)(b)3 due to the clay soils found onsite. Please see attached Geotechnical Report found in Appendix A.

Erosion Control:

The erosion control specifications, construction sequence, site stabilization notes, seeding notes, dewatering notes, and post construction and maintenance plan are all listed on sheet C0.1 of the construction plan set.

POST CONSTRUCTION OPERATION AND MAINTENANCE PLAN

<p>The owner of the property affected shall inspect and maintain the following stormwater management systems frequently, especially after heavy rainfalls, but at least on an annual basis unless otherwise specified.</p>	
STORMWATER FACILITY	TYPE OF ACTION
1. Lawn and Landscaped Areas	All lawn areas shall be kept clear of any materials that block the flow of stormwater. Rills and small gullies shall immediately be filled and seeded or have sod placed in them. The lawn shall be kept mowed, tree seedlings shall be removed, and litter shall be removed from landscaped areas.
2. Swales	All grassed swales showing signs of erosion, scour, or channelization shall be repaired, reinforced, and revegetated immediately. All swales shall be repaired to the original plan requirements. Mowing shall take place no less than twice per year at a height of no less than three inches. Grasses shall not be allowed to grow to a height that permits branching or bending. Mowing shall only take place when the ground is dry and able to support machinery.
3. Rip Rap	All rip rap showing signs of erosion or scour shall be repaired, reinforced, and revegetated immediately. Rip rap should be kept clean of vegetation and sediment. All rip rap shall be repaired to the construction plan requirements.
4. Catch Basin/Curb Inlet Grates	The grate openings to these structures must be cleared of any clogging or the blocking of stormwater flow from getting into the stormwater conveyance system of any kind.
5. Catch Basin/Curb Inlet Sumps	Sumps shall visually be inspected every 3 months. Siltation shall be removed and disposed of offsite when the sump depth is within 3" of the outlet pipe invert elevation. The removal of siltation should occur a minimum of once per year.
6. Retention/Detention Basins	Trash racks, standpipes, outlet structures, inlet and outlet pipes, and anti vortex devices shall be kept clear of debris. Non-structurally sound devices shall be replaced. Floating litter and algae shall be removed monthly. All grassed areas, embankments, and flow control devices showing signs of erosion shall be repaired, reinforced, and revegetated immediately to the original plan requirements. Dry basins shall be mowed no less than twice per year at a height of no less than 3 inches. Grasses shall not be allowed to grow to a height that permits branching or bending. Mowing shall only take place when the ground is dry and able to support machinery. Every 5 years, beginning in the summer of 2022, the elevations of the pond bottom shall be surveyed to

	determine the permanent pool depth and sediment depth in the pond. When silt has accumulated three feet from the original design depth elevation of the pond, the pond shall be cleaned out and restored back to the original design depth of a minimum of 5' from the normal water elevation. Cleaning, removal, and deposit of silt from the detention pond shall be done by means and methods acceptable to the Wisconsin Department of Natural Resources.
7. Temporary Sediment Basin	Sediment shall be removed once the facility is filled to approximately 50% of its total volume. Bare areas shall be regraded, seeded, or otherwise vegetated to the original plan requirements. The removed sediment shall be placed in an appropriate upland disposal area and stabilized.
8. Record of Maintenance	The operation and maintenance plan shall remain onsite and be available for inspection when requested by WDNR. When requested, the owner shall make available for inspection all maintenance records to the department or agent for the life of the system.

PROJECT INFORMATION

PROPOSED BUILDING FOR:
PROBIO RE LLC
 CALEDONIA • WISCONSIN

PROFESSIONAL SEAL

SHEET DATES

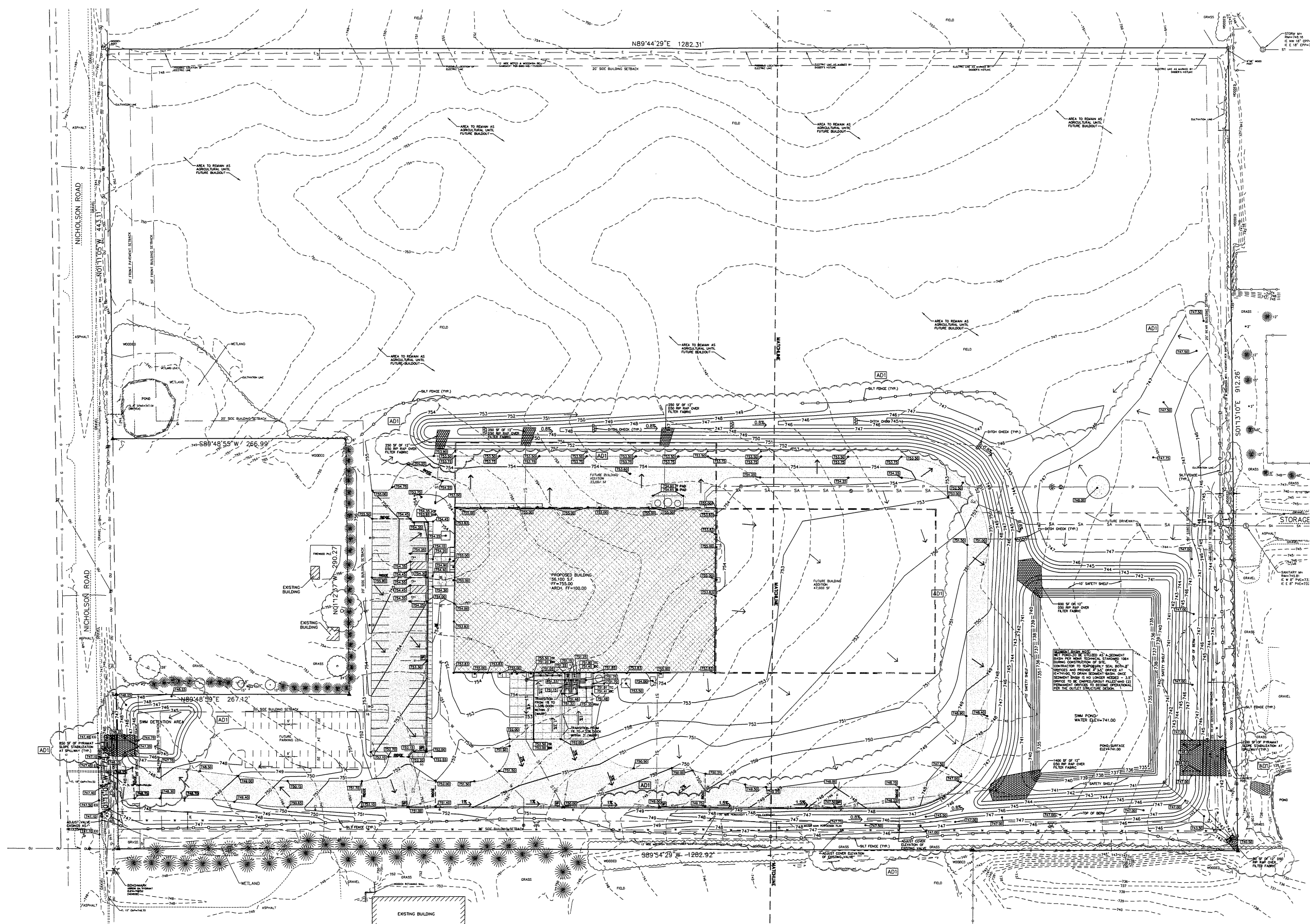
ISSUE DATE	SEPT. 1, 2020
REVISIONS	
AD1	SEPT. 14, 2020

JOB NUMBER

1814600

SHEET NUMBER

C1.2



SPECIFICATION NOTE:
 SEE SHEET C0.1 FOR PLAN SPECIFICATIONS AND REQUIREMENTS

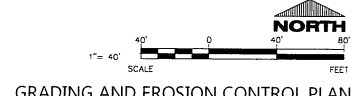
INLET PROTECTION NOTE:
 [IP] CONTRACTOR SHALL PROVIDE TEMPORARY INLET PROTECTION FOR ALL CURB INLETS & CATCH BASINS ON-SITE & OFF-SITE IMMEDIATELY DOWNSTREAM OF THE PROJECT SITE PER LOCAL CODE.

CONCRETE WASHOUT NOTE:
 CONTRACTOR SHALL PROVIDE CONCRETE WASHOUT AS REQUIRED PER CODE. FINAL LOCATION TBD BY CONTRACTOR.

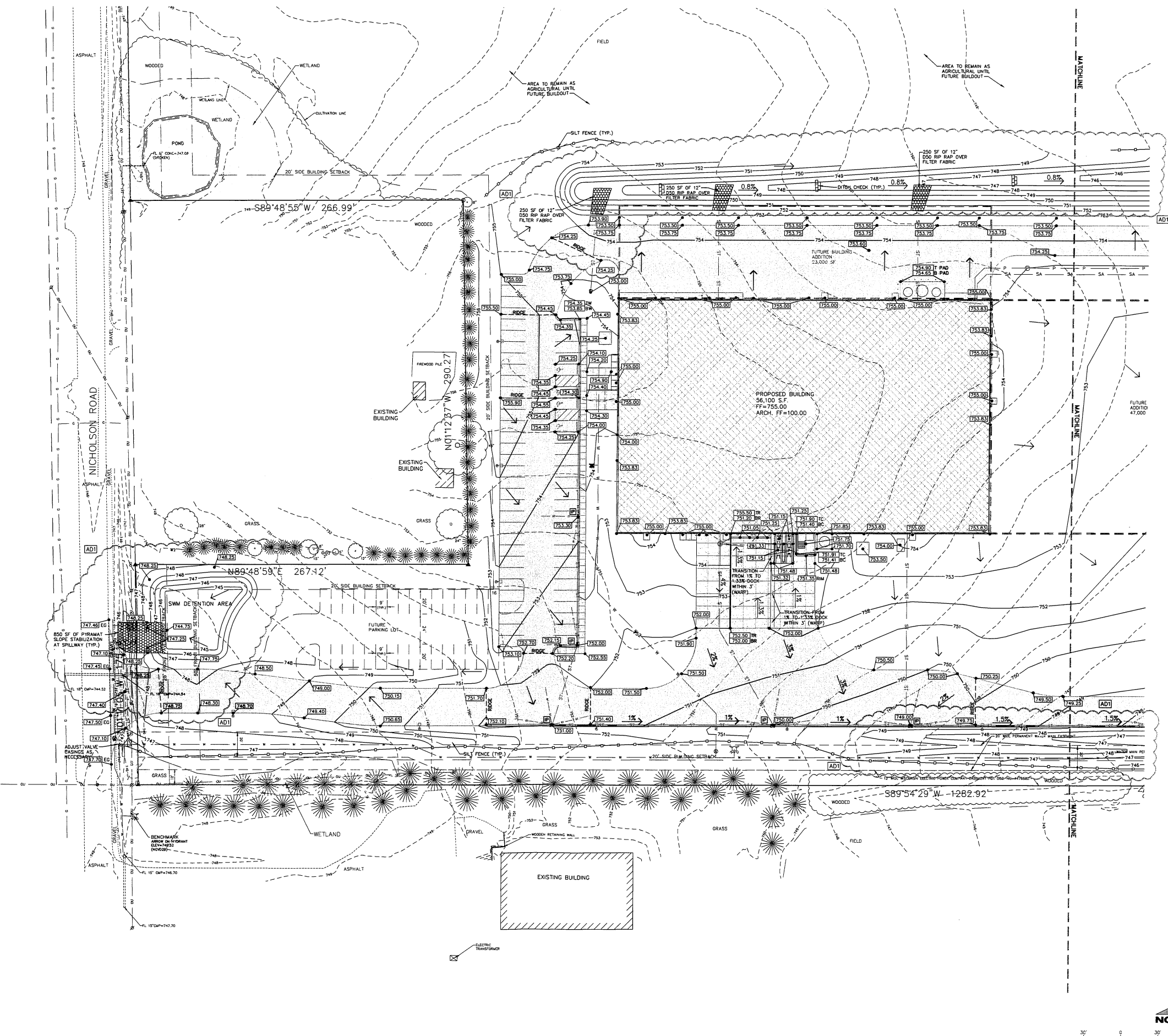
STABILIZED CONSTRUCTION ENTRANCE NOTE:
 CONTRACTOR SHALL PROVIDE STABILIZED CONSTRUCTION ENTRANCE AT CONSTRUCTION ENTRANCE FOR PROPOSED IMPROVEMENTS AS REQUIRED PER CODE.

NOTES:

- HANDICAP STALL AND ACCESS AISLES SHALL NOT EXCEED A SLOPE OF 1.50% IN ANY DIRECTION. HANDICAP STALL & ACCESS AISLES SHALL CONFORM TO ADA REQUIREMENTS (CURRENT EDITION).
- ALL SIDEWALKS SHALL NOT EXCEED A MAXIMUM CROSS SLOPE OF 1.50% AND RUNNING SLOPE OF 4.50% UNLESS OTHERWISE SPECIFIED.



GRADING AND EROSION CONTROL PLAN



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PROJECT INFORMATION

PROPOSED BUILDING FOR:
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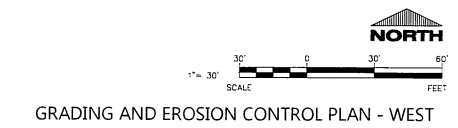
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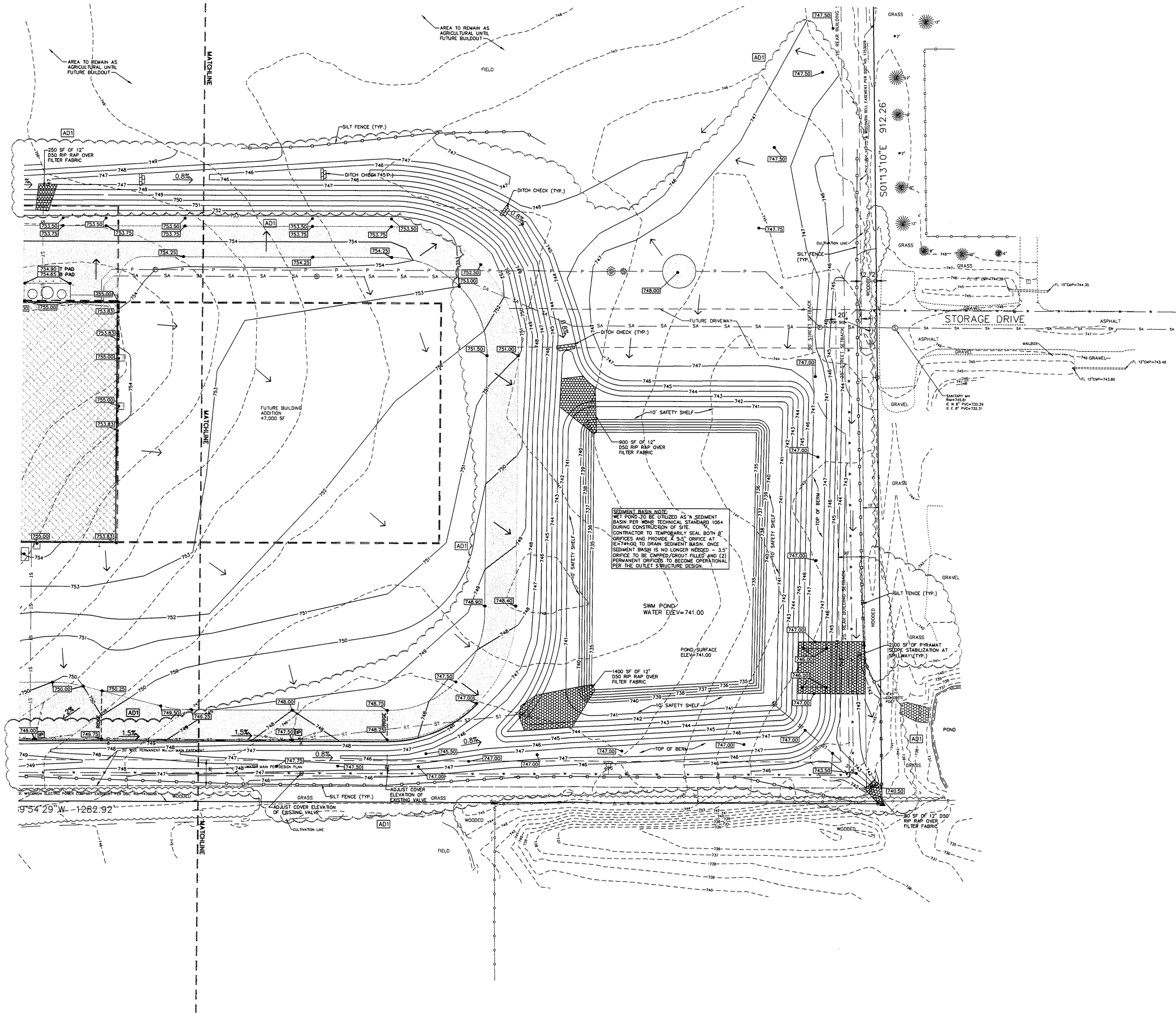
ISSUE DATE	SEPT. 1, 2020
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AD1	SEPT. 14, 2020

JOB NUMBER
 1814600

SHEET NUMBER
C1.2A

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 CONSTRUCTION CO., INC.

PROJECT INFORMATION

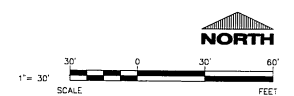
PROPOSED BUILDING FOR:
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SHEET DATES	
ISSUE DATE	SEPT. 1, 2020
REVISIONS	
AD1	SEPT. 14, 2020

JOB NUMBER
 1814600

SHEET NUMBER
C1.2B



GRADING AND EROSION CONTROL PLAN - EAST

PROJECT INFORMATION

PROPOSED BUILDING FOR:
PROBIO RE LLC
40111 NICHOLSON ROAD • CALEDONIA WISCONSIN

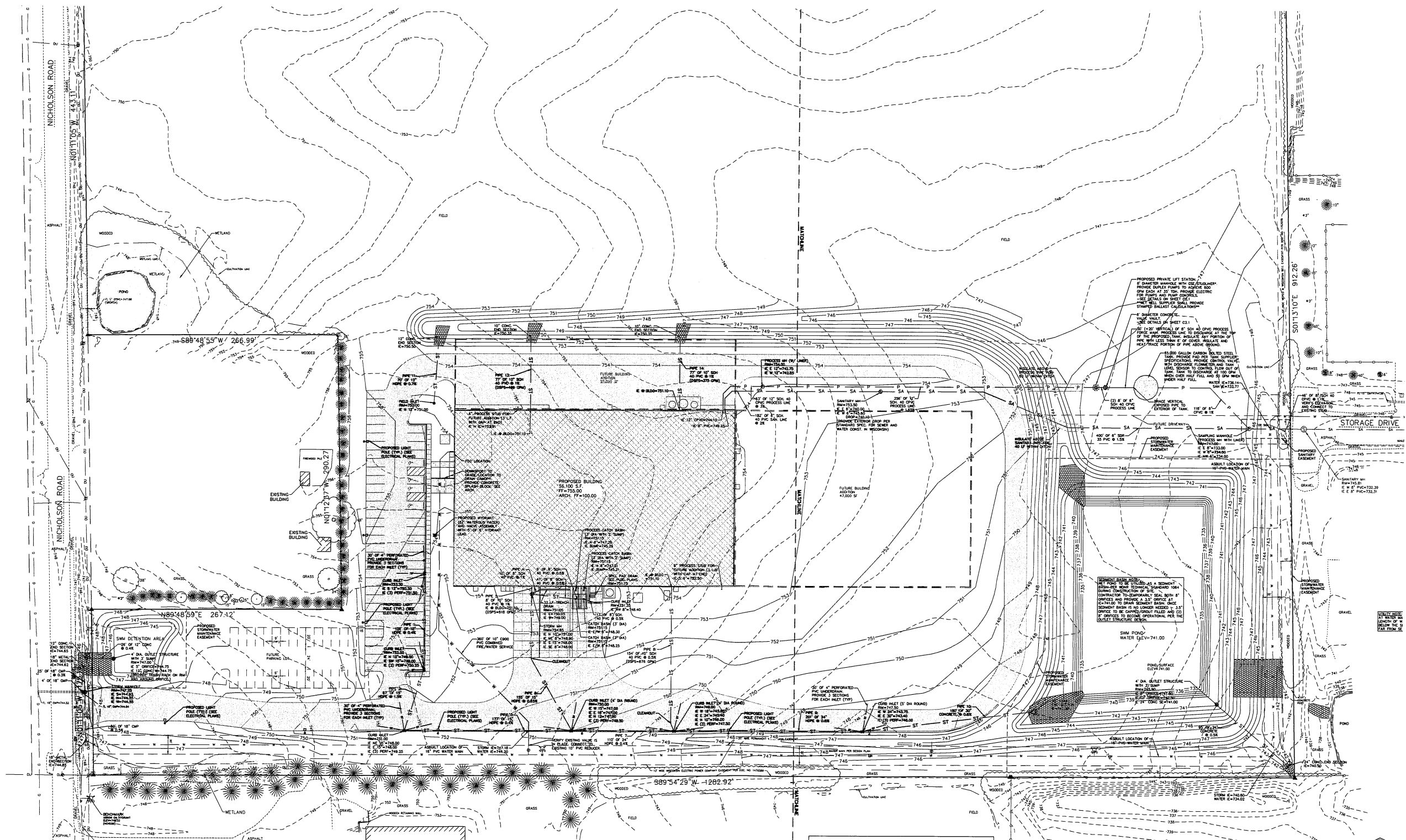
PROFESSIONAL SEAL

SHEET DATES

ISSUE DATE	SEPT. 1, 2020
REVISIONS	AD1 SEPT. 14, 2020
	OCT. 1, 2020

JOB NUMBER
1814600

SHEET NUMBER
C1.3



UTILITY NOTE:
AT WATER MAIN CROSSINGS ENSURE ONE FULL LENGTH OF WATER PIPE IS CENTERED ABOVE OR BELOW THE SEWER TO ENSURE JOINTS ARE AS FAR FROM SEWER AS POSSIBLE.

GSE ALTERNATE:
CONTRACTOR TO PROVIDE ALTERNATE PRICING FOR USE OF MAGNOLUX VINYL ESTER COATING ON INSIDE OF PROCESS MANHOLES/LIFT STATION INSTEAD OF GSE STUDLINER.

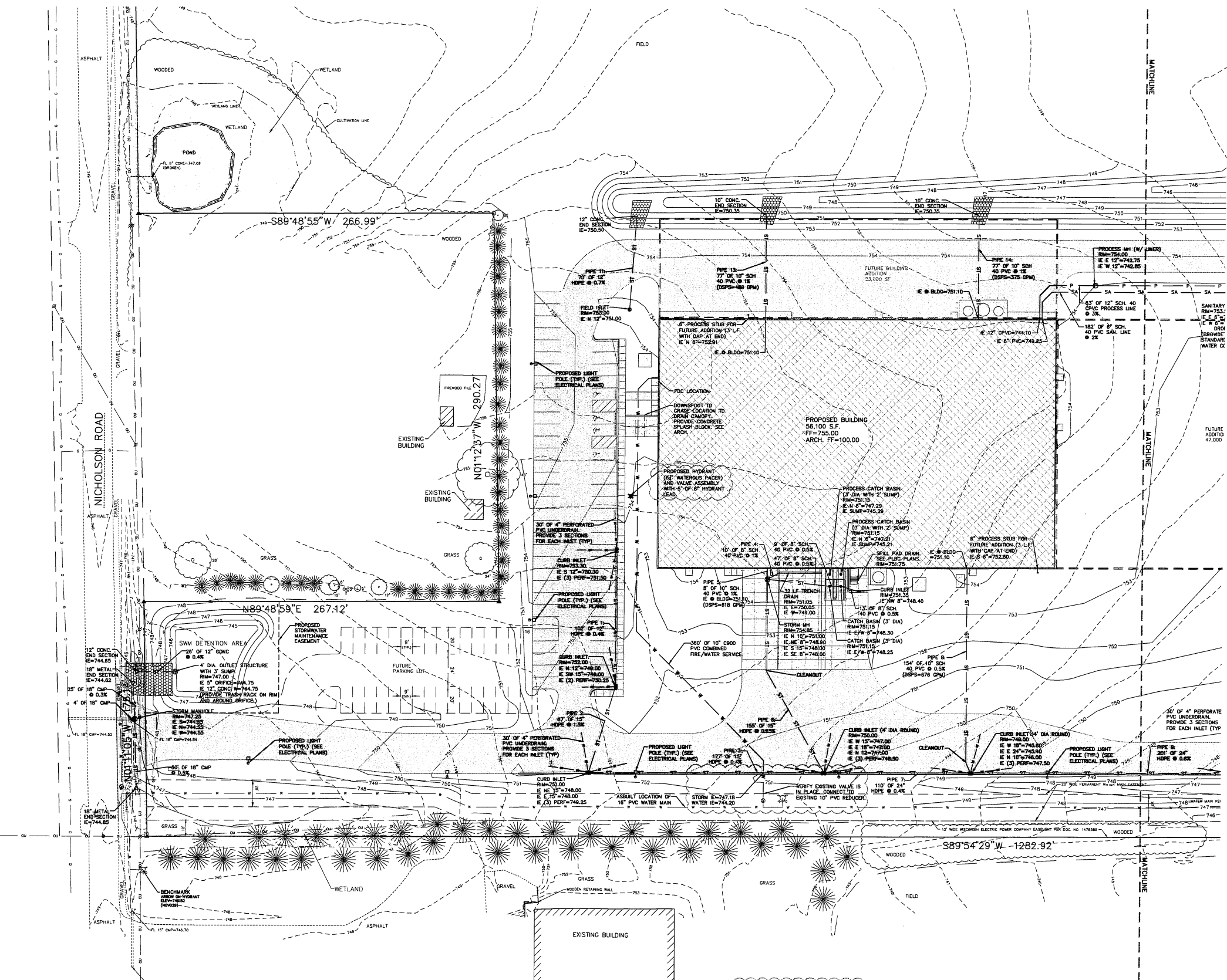
CONCRETE PIPE TIE BOLTS:
THE LAST 3 SECTIONS OF ANY RCP (CONCRETE PIPE) SHALL BE TIE BOLTED TOGETHER. SEE TIE BOLT DETAIL.

PAVEMENT UNDERDRAIN NOTE:
CONTRACTOR SHALL PROVIDE UNDERDRAIN IN LOCATIONS SHOWN ON PLAN. UNDERDRAIN TO BE 4" PERFORATED PVC SURROUNDED BY WASHED STONE WRAPPED IN GEOTEXTILE FILTER FABRIC. PROVIDE PER RECOMMENDATIONS FOUND ON PAGE 18 OF THE PROVIDED GEOTECHNICAL REPORT FROM PSL (SEE ALTERNATE NOTE).

PAVEMENT UNDERDRAIN ALTERNATE:
CONTRACTOR TO PROVIDE ALTERNATE PRICING TO REMOVE (NOT INCLUDE) THE PAVEMENT UNDERDRAIN ON SITE.



UTILITY PLAN



GENERAL NOTE
 AT WATER MAIN CROSSINGS ENCLOSE ONE FULL LENGTH OF WATER PIPE IS CENTERED ABOVE OR BELOW THE SEWER TO ENSURE JOINTS ARE AS FAR FROM SEWER AS POSSIBLE.

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Schenker
 CONSTRUCTION CO., INC.

PROJECT INFORMATION

PROPOSED BUILDING FOR:
PROBIO RE LLC
 4011 NICHOLSON ROAD • CALEDONIA WISCONSIN

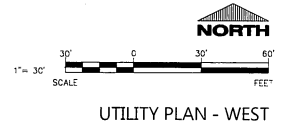
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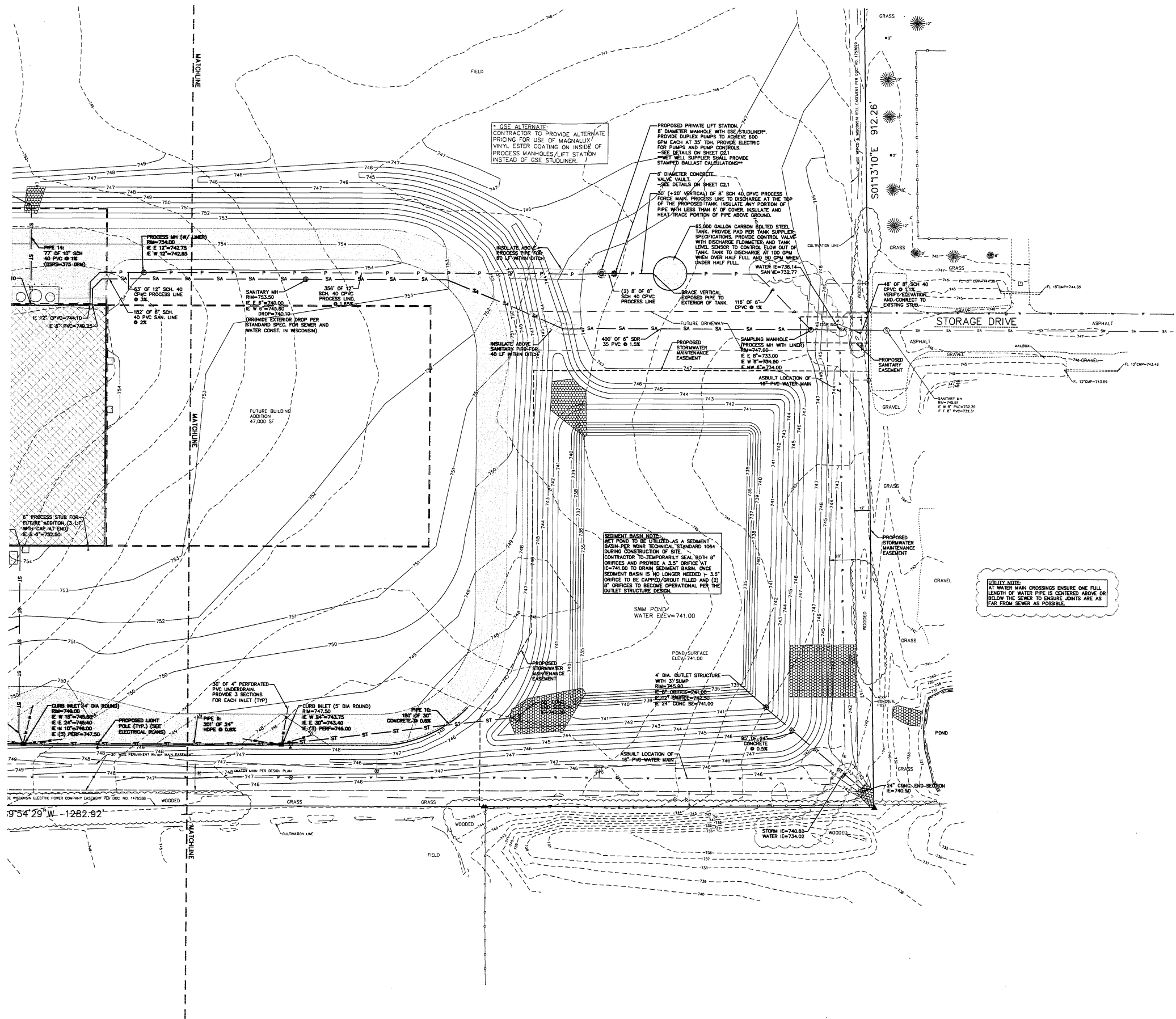
SHEET DATES

ISSUE DATE	SEPT. 1, 2020
REVISIONS	
AD1	SEPT. 14, 2020
	OCT. 1, 2020

JOB NUMBER
 1814600

SHEET NUMBER
C1.3A





* GSE ALTERNATE: CONTRACTOR TO PROVIDE ALTERNATE PRICING FOR USE OF MAGNALUX VINYL ESTER COATING ON INSIDE OF PROCESS MANHOLES/LIFT STATION INSTEAD OF GSE STUDLINER.

PROPOSED PRIVATE LIFT STATION: 6" DIAMETER MANHOLE WITH GSE STUDLINER. PROVIDE DUPLEX PUMPS TO ACHIEVE 800 GPM EACH AT 35' TDH. PROVIDE ELECTRIC FOR PUMPS AND PUMP CONTROLS. SEE DETAILS ON SHEET C2.1. PUMP WELL SUPPLIER SHALL PROVIDE STAMPED BALLAST CALCULATIONS.

6" DIAMETER CONCRETE VALVE VAULT. SEE DETAILS ON SHEET C2.1. 30" (+20") VERTICAL OF 8" SCH 40 CPVC PROCESS FORCE MAIN PROCESS LINE TO DISCHARGE AT THE TOP OF THE PROPOSED TANK. INSULATE REY FORTON OF PIPE WITH LESS THAN 6" OF COVER. INSULATE AND HEAT TRACE PORTION OF PIPE ABOVE GROUND.

65,000 GALLON CARBON STEEL TANK. PROVIDE PAD FOR TANK SUPPLIER SPECIFICATIONS. PROVIDE CONTROL VALVE WITH DISCHARGE FLOWMETER AND TANK LEVEL SENSOR TO CONTROL FLOW OUT OF TANK. TANK TO DISCHARGE AT 100 GPM WHEN OVER HALF FULL AND 50 GPM WHEN UNDER HALF FULL. WATER E=736.14 SAN VE=732.77

BRACE VERTICAL (2) 8" OF 8" SCH 40 CPVC PROCESS LINE TO EXTERIOR OF TANK. 118" OF 6" CPVC @ 18".

400' OF 8" SCH 30 PVC @ 1.0%.

PROPOSED STORMWATER MAINTENANCE EASEMENT.

SAMPLING MANHOLE (PROCESS WITH LINER) RM=747.00 E E=743.00 E W=734.00 E N=734.00

ASBUILT LOCATION OF 16" PVC WATER MAIN.

SEDIMENT BASIN NOTES: NET POND TO BE UTILIZED AS A SEDIMENT BASIN PER MINN TECHNICAL STANDARD 10084 DURING CONSTRUCTION OF SITE. CONTRACTOR TO TEMPORARILY SEAL BOTH 8" ORIFICES AND PROVIDE A 3.5" ORIFICE AT E=741.00 TO DRAIN SEDIMENT BASIN. ONCE SEDIMENT BASIN IS NO LONGER NEEDED, 3.5" ORIFICE TO BE CAPPED/GROUT FILLED AND (2) 8" ORIFICES TO BECOME OPERATIONAL PER THE OUTLET STRUCTURE DESIGN.

SWM POND WATER ELEV=741.00

4" DIA. OUTLET STRUCTURE WITH 30" SUMP RM=265.50 E=741.00 E W=741.00 E N=741.00

ASBUILT LOCATION OF 16" PVC WATER MAIN.

CONCRETE END SECTION E=740.50

STORM E=740.80 WATER E=734.02

UTILITY NOTE: AT WATER MAIN CROSSINGS ENSURE ONE FULL LENGTH OF WATER PIPE IS CENTERED ABOVE OR BELOW THE SEWER TO ENSURE JOINTS ARE AS FAR FROM SEWER AS POSSIBLE.

PROJECT INFORMATION

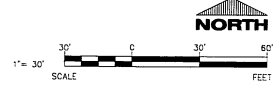
PROPOSED BUILDING FOR:
PROBIO RE LLC
4011 NICHOLSON ROAD • CALEDONIA WISCONSIN

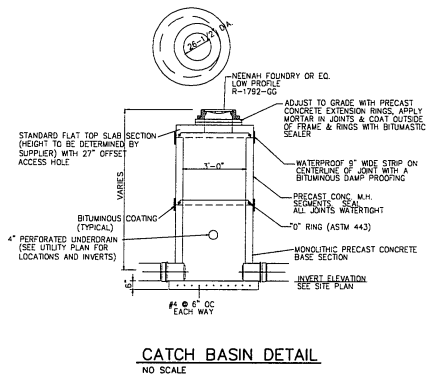
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ISSUE DATE	SEPT. 1, 2020
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AD1	SEPT. 14, 2020
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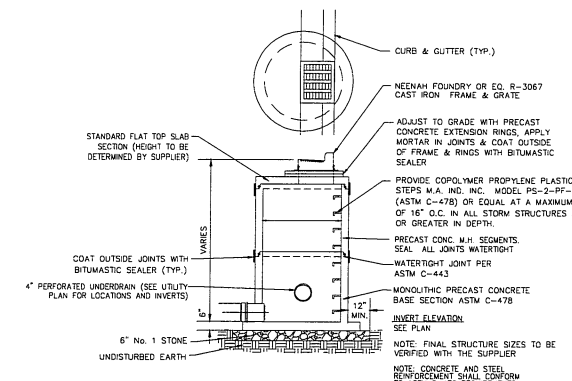
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1814600

SHEET NUMBER
C1.3B

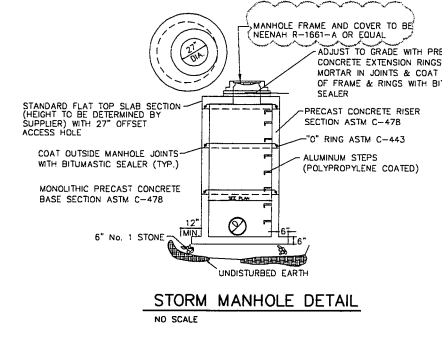




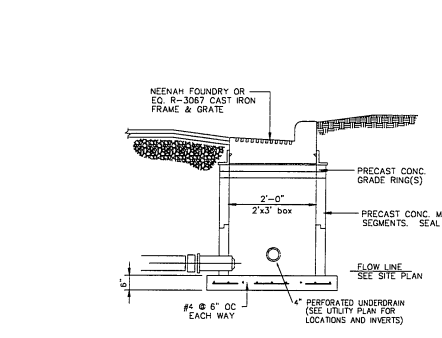
CATCH BASIN DETAIL
NO SCALE



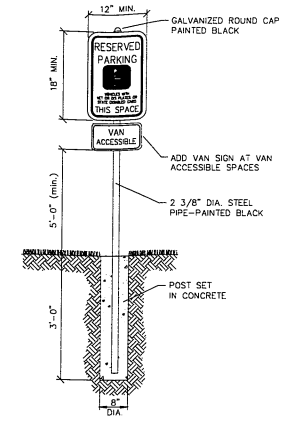
STORM CURB INLET W/ ROUND STRUCTURE DETAIL
NO SCALE



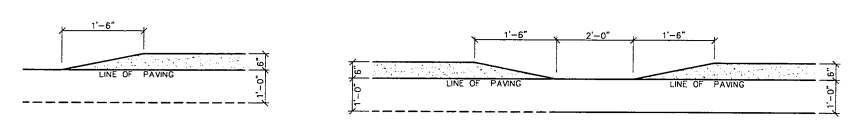
STORM MANHOLE DETAIL
NO SCALE



CURB INLET
NO SCALE

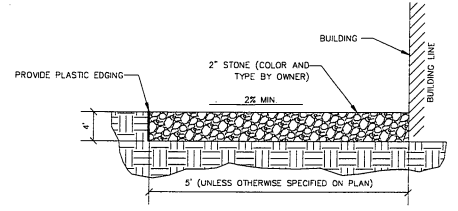


HANDICAP SIGNAGE DETAIL
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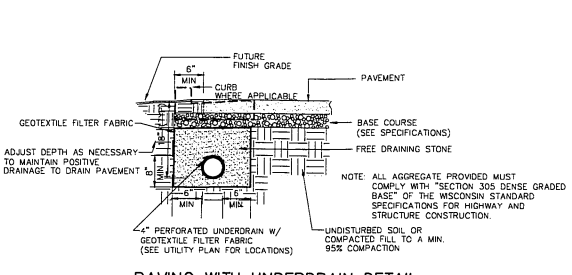


TAPERED CURB DETAIL
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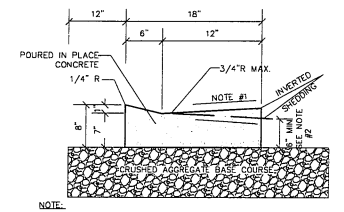
CURB CUT DETAIL
NO SCALE



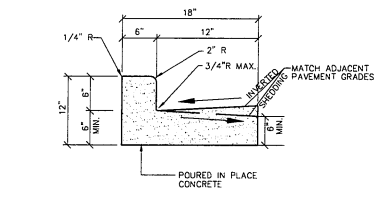
STONE STRIP DETAIL
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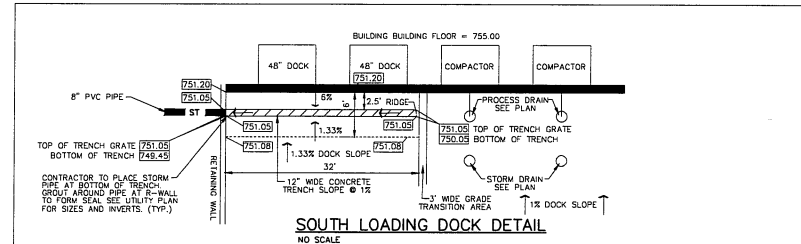
PAVING WITH UNDERDRAIN DETAIL
NO SCALE



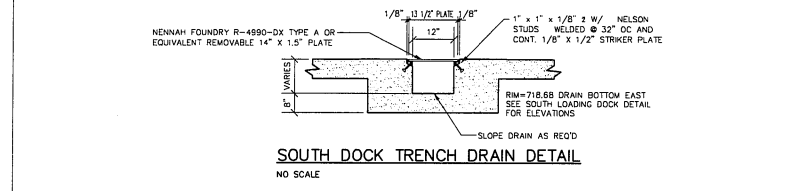
18" MOUNTABLE CURB & GUTTER DETAIL
NO SCALE



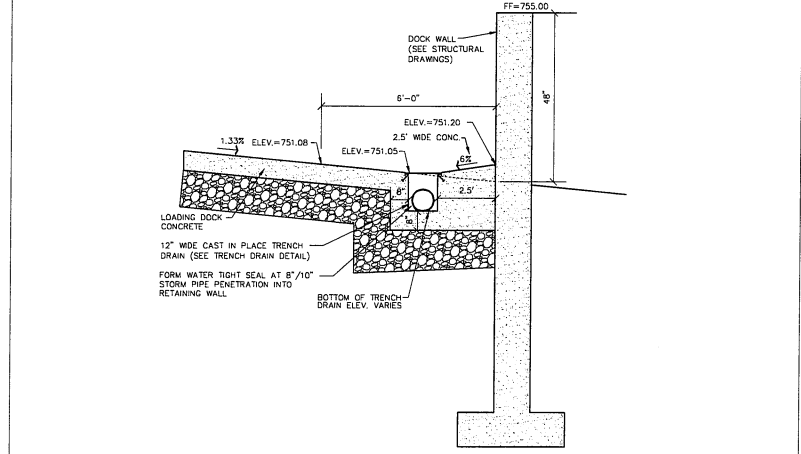
18" CONCRETE CURB & GUTTER DETAIL
NO SCALE



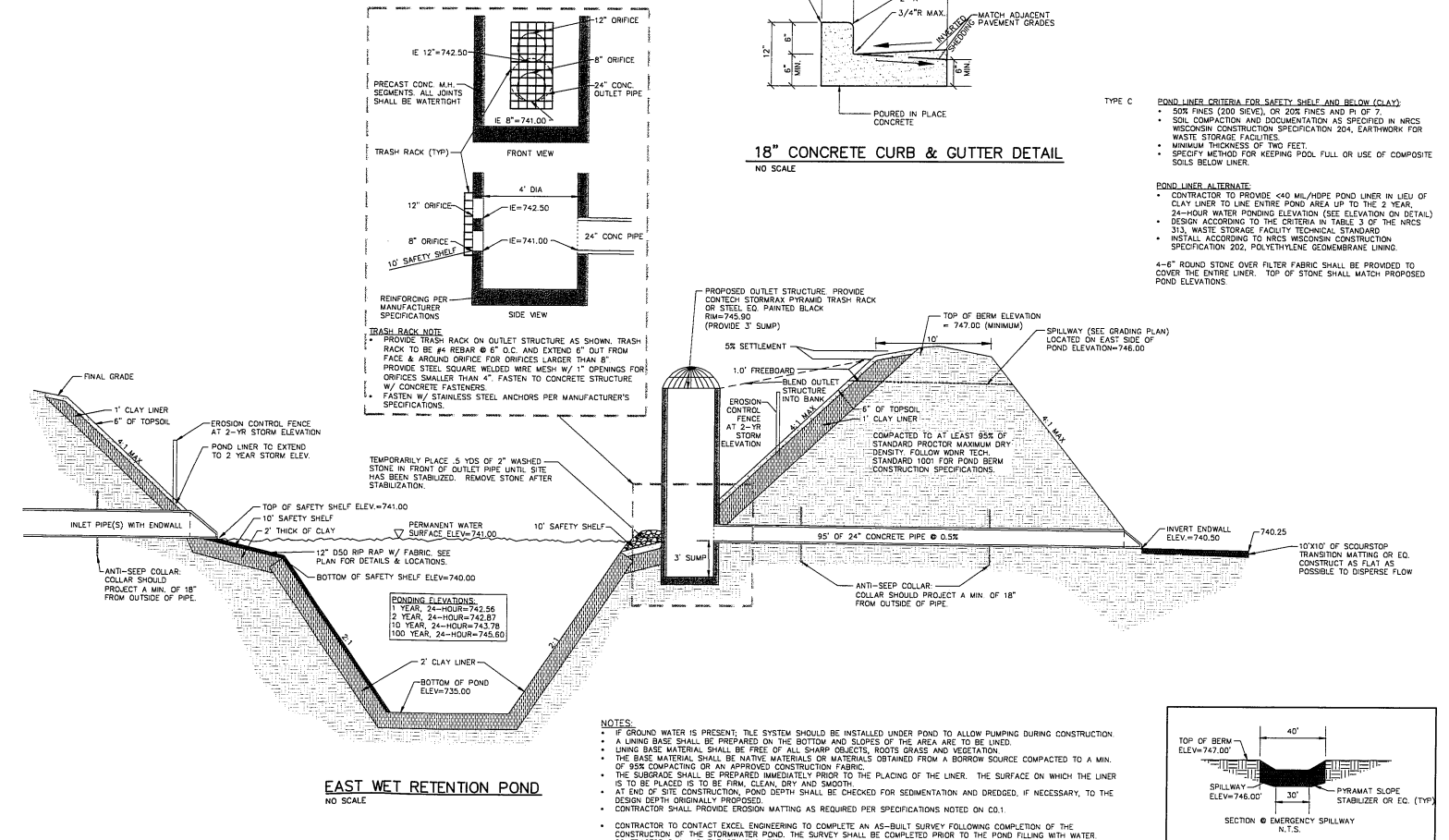
SOUTH LOADING DOCK DETAIL
NO SCALE



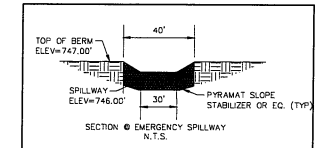
SOUTH DOCK TRENCH DRAIN DETAIL
NO SCALE



SOUTH LOADING DOCK TRENCH DRAIN X-SECTION
NO SCALE



EAST WET RETENTION POND
NO SCALE



EAST EMERGENCY SPILLWAY DETAIL
NO SCALE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARD NO. 1033 (CHANNEL EROSION MAT).

VARIATIONS IN THE DIMENSIONS OR MATERIALS SHOWN HEREON SHALL BE PERMITTED IF THEY PROVIDE EQUIVALENT PROTECTION AND MATERIAL STRENGTH AND IF PRIOR APPROVAL OF THE ENGINEER IS OBTAINED.

LAP JOINTS SHALL NOT BE PLACED IN THE BOTTOM OF V-SHAPED DITCHES.

JUNCTIONS ON ADJACENT STRIPS OF MATTING SHALL BE STAGGERED A MINIMUM OF 4 FEET APART.

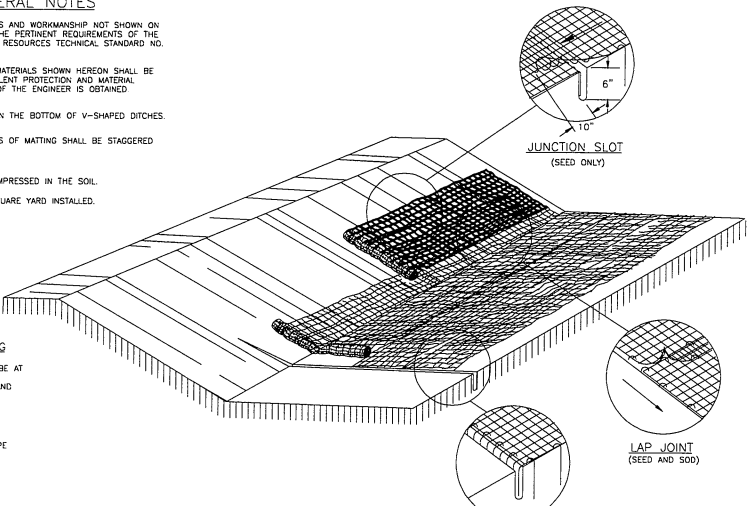
EDGES OF EROSION MAT SHALL BE IMPRESSED IN THE SOIL.

EROSION MAT SHALL PAID BY THE SQUARE YARD INSTALLED.

EROSION MAT OVER SEEDING

JUNCTION OR ANCHOR SLOTS SHALL BE AT MINIMUM INTERVALS OF 100 FEET ON GRADES UP TO AND INCLUDING 3%, AND 50 FEET ON GRADES EXCEEDING 3%.

NOTE: SEE SPECIFICATIONS FOR MATTING TYPE.

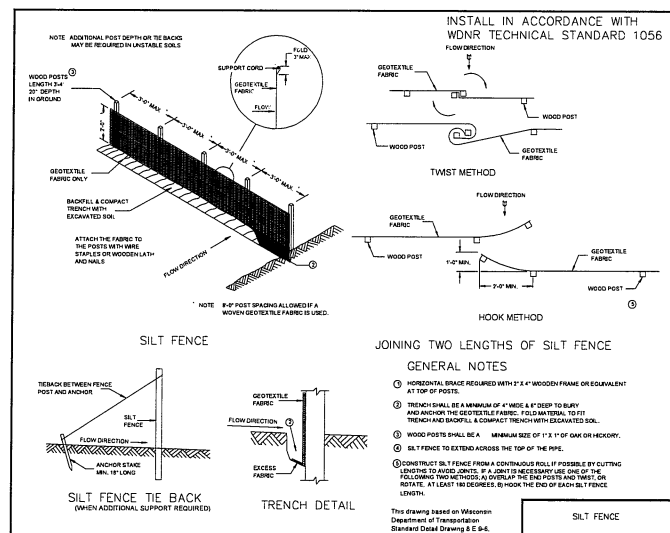


CHANNEL EROSION MAT DETAIL

NOT TO SCALE

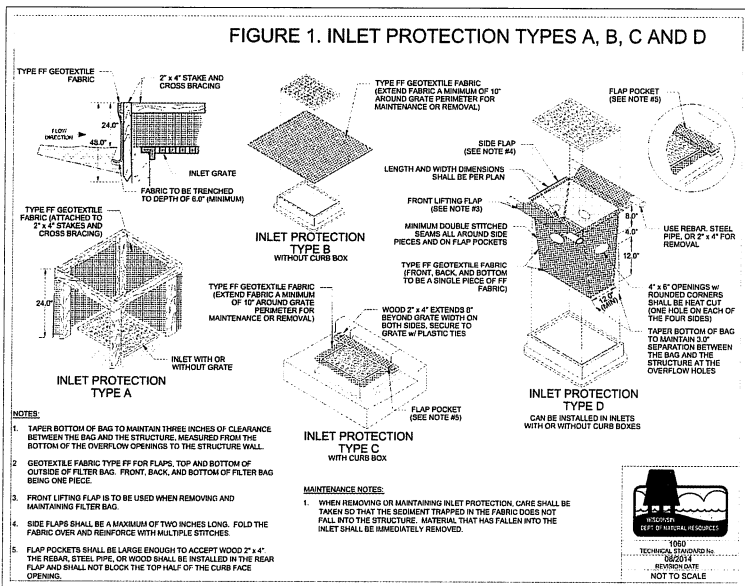
ANCHOR SLOT

AT BEGINNING AND END OF EROSION MAT (SEED AND SOO)



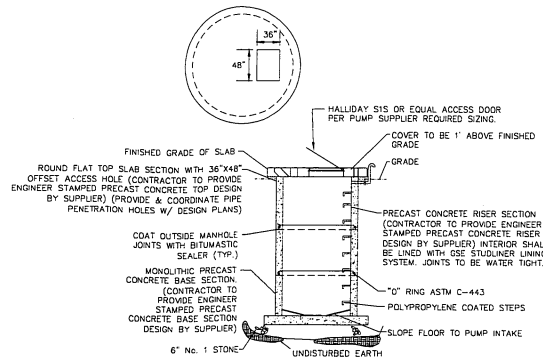
SILT FENCE - INSTALLATION DETAIL

NO SCALE



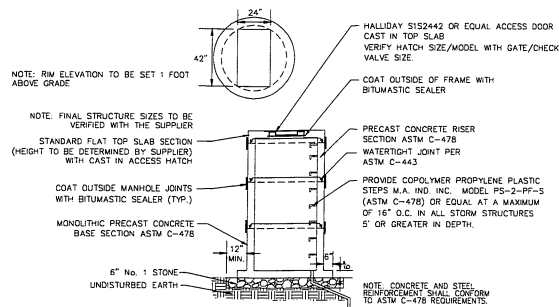
INLET PROTECTION DETAIL

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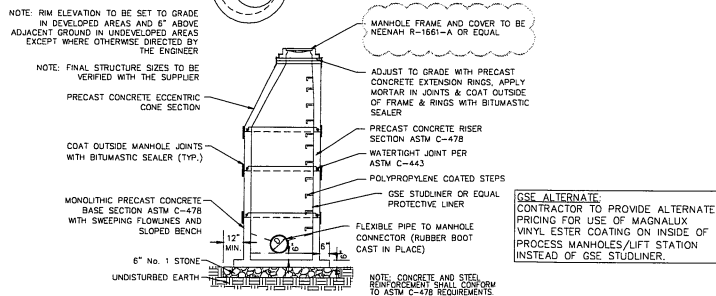
LIFT STATION STRUCTURE DETAIL

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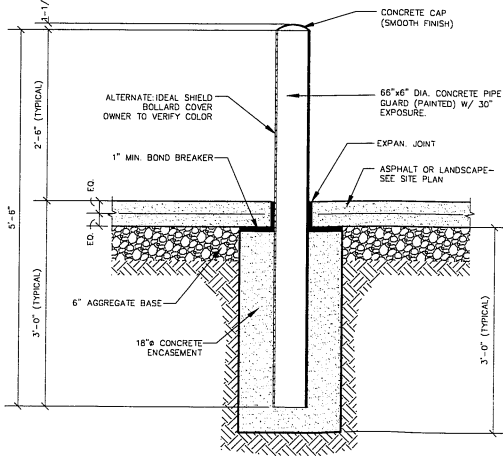
CHECK VALVE STRUCTURE DETAIL

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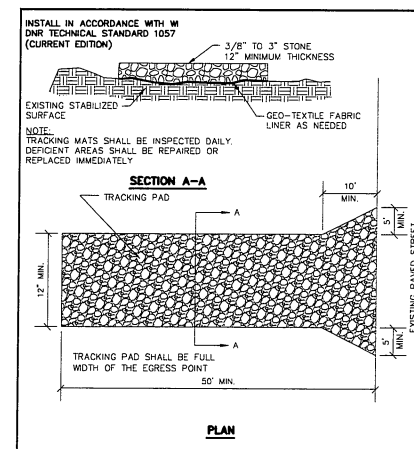
PROCESS MANHOLE DETAIL

NO SCALE



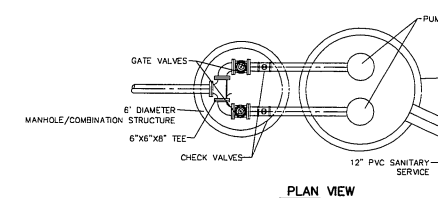
6" PIPE BOLLARD DETAIL

NO SCALE

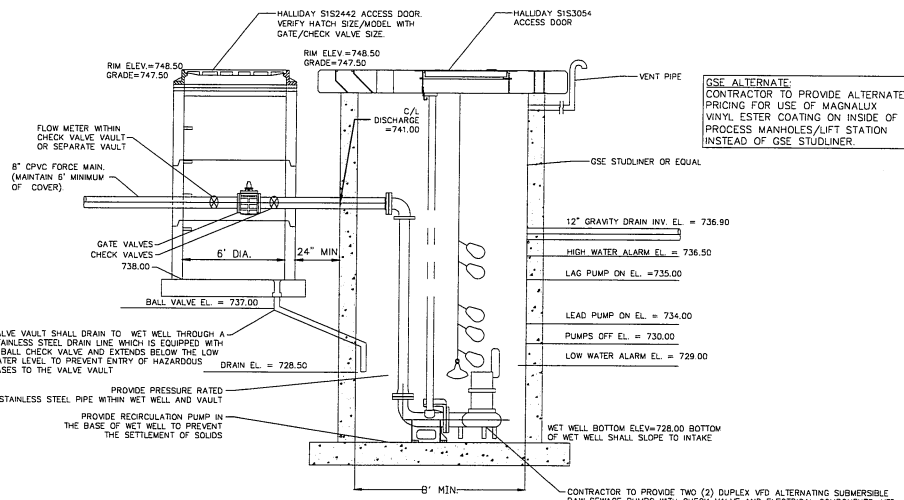


TRACKPAD DETAILS

NO SCALE



PLAN VIEW



PRIVATE SANITARY LIFT STATION

NO SCALE

- ALL EQUIPMENT LOCATED IN THE WET WELLS AND VALVE VAULTS SHALL BE SUITABLE FOR USE UNDER WET AND CORROSIVE CONDITIONS. ALL COMPONENTS WITHIN WET WELL TO BE STAINLESS STEEL.
- THE CONTROL PANELS FOR THE LIFT STATION SHALL BE LOCATED ADJACENT TO THE LIFT STATION, AS A STAND ALONE PANEL CABINET, OUTSIDE OF THE WET WELLS. BE WEATHER PROOF AND BE PROTECTED BY A CONDUIT SET TO PREVENT WET WELL ATMOSPHERE FROM GAINING ACCESS TO THE CONTROL PANEL. COORDINATE WITH OWNER A WARNING CONNECTION TO THE PLANT (LOCATION BY OWNER).
- ALL CABLES FOR PUMPS AND FLOATS SHALL BE BROUGHT DIRECTLY TO THE BOTTOM OF THE PANEL, USE COPED GRIPS, AND HAVE NO SPlicing. POWER CABLES FOR THE PUMPS MUST BE RUN IN SEPARATE CONDUIT FROM THE SEAL, FAILURE/HEAT SENSOR WIRES.
- ALARM SYSTEM SHOULD BE PROVIDED IN CASES OF POWER FAILURE, PUMP FAILURE, HIGH WATER, AND UNAUTHORIZED ENTRY. THE ALARM SHOULD BE BOTH AUDIO AND VISUAL AND SHOULD PROVIDE NOTIFICATION BACK TO PLANT (LOCATION BY OWNER).
- AN INLINE FLOWMETER (MAGNETIC OR OTHER) SHALL BE PROVIDED AFTER THE CHECK VALVING. METER SHALL BE PROVIDED A MINIMUM OF FIVE PIPE DIAMETERS UPSTREAM AND THREE PIPE DIAMETERS DOWNSTREAM FROM ANY DIRECTIONAL CHANGES AND PIPE JOINTS.
- WET WELL PUMPS AND ALL EQUIPMENT SHALL BE PROVIDED AS NECESSARY TO AVOID CORROSION ANY WET WELL JOINTS SHALL BE WATER TIGHT.
- FLOAT SYSTEM IS TO BE INSTALLED ON SUSPENSION KIT AND SHALL NOT BE AFFECTED BY DIRECT FLOWS ENTERING WET WELL.
- THE SUBMERSIBLE PUMPS SHALL BE READILY REMOVABLE AND REPLACEABLE WITHOUT PERSONNEL ENTERING OR REMOVING THE WET WELL, OR DISCONNECTING ANY PIPING IN THE WET WELL.
- ELECTRICAL SUPPLY, CONTROL, AND ALARM CIRCUITS SHALL BE DESIGNED TO PROVIDE STRAIN RELIEF AND TO ALLOW DISCONNECTION FROM OUTSIDE THE WET WELL. TERMINALS AND CONNECTORS SHALL BE PROTECTED FROM CORROSION BY LOCATION OUTSIDE THE WET WELL OR THROUGH USE OF WATERTIGHT SEALS. ELECTRICAL SUPPLY SHALL MATCH REQUIREMENTS OF PUMP SUPPLIER. SUPPLIER TO VERIFY, FURNISH A UL APPROVED FAULTSAFE MECHANICAL INTERLOCK FOR THE MAIN BREAKER AS REQUIRED.
- FORCE MAIN PIPE MATERIAL AND FITTINGS TO BE SCH 40 CPVC. REQUIREMENTS AND STRENGTH OF PIPE, JOINTS, AND FITTING MATERIALS SHALL BE EQUAL TO REQUIREMENTS AND STRENGTHS ALONG WITH INSTALLATION AND PRESSURE TESTING REQUIREMENTS PER WISCONSIN STATE PLUMBING CODE AND ASTM STANDARDS.
- PROTECTIVE LINER TO BE GSE STUDIENER OR EQUAL. SEE ALTERNATE PRICING NOTE FOR MAGNALLUX EPOXY VINYL ESTER COATING IN PLACE OF GSE STUDIENER.
- THE LIFT STATION SHALL BE CONSTRUCTED PER ALL REQUIREMENTS FOUND IN WISCONSIN STATE PLUMBING CODE.



PROJECT INFORMATION

PROPOSED BUILDING FOR:
PROBIO RE LLC

4011 NICHOLSON ROAD • CALEDONIA WISCONSIN

SHEET DATES

ISSUE DATE	SEPT. 1, 2020
REVISIONS	
AD1	SEPT. 14, 2020
	OCT. 1, 2020

JOB NUMBER

1814600

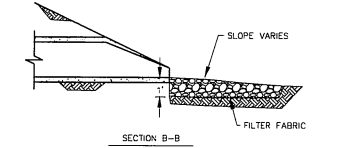
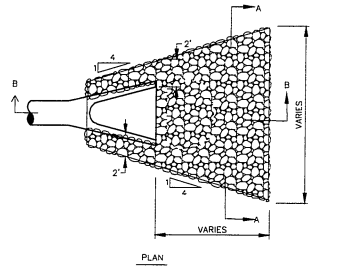
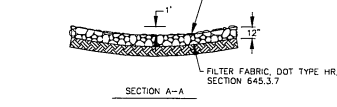
SHEET NUMBER

C2.1

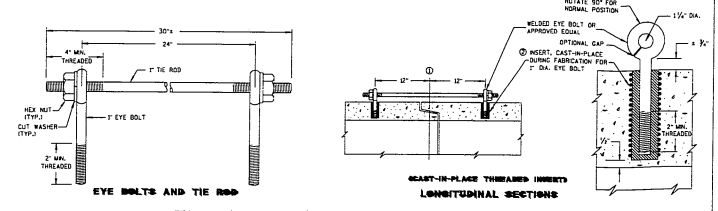
DETAILS

318 © EXCEL ENGINEERING, INC.

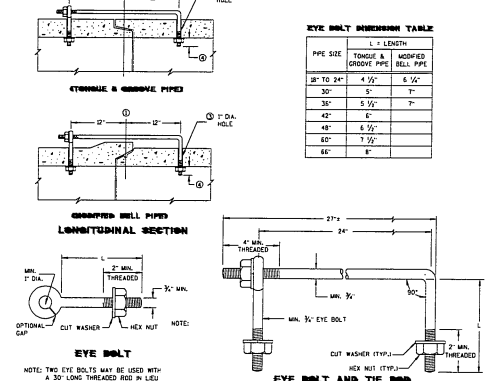
SEE SECTION 606.2 MATERIALS "MISC DOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION"



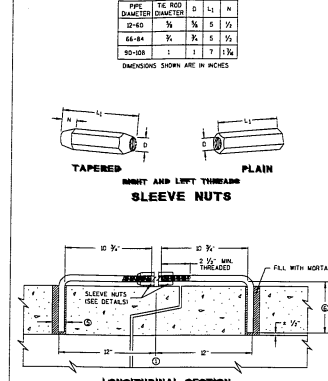
RIPRAP AT END SECTIONS
NO SCALE



EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

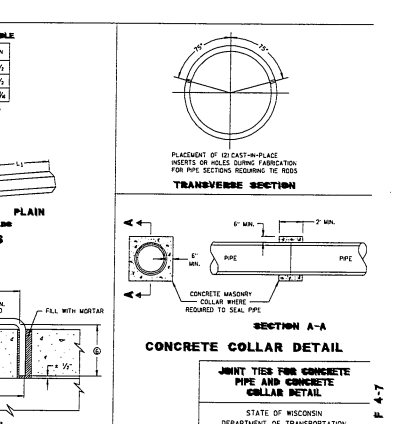


EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

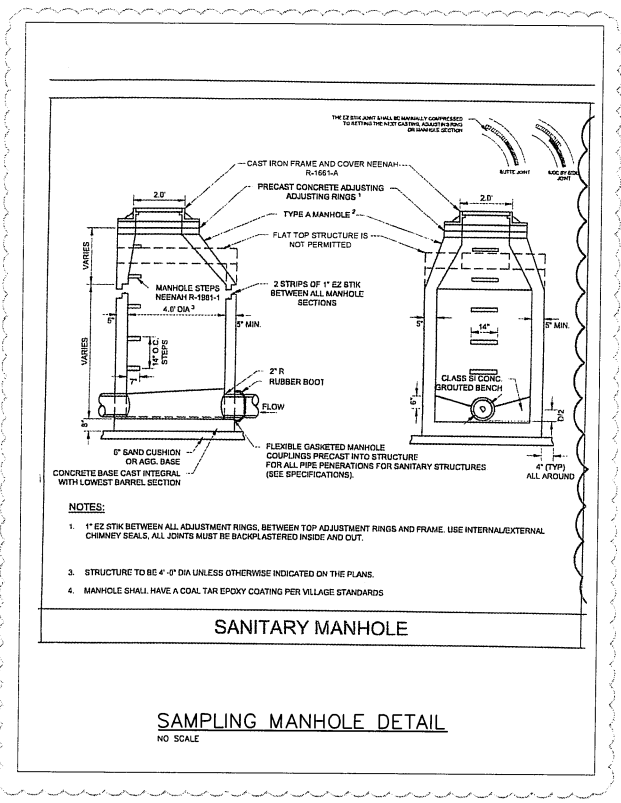


ADJUSTABLE TIE ROD (ALTERNATE NO. 3)

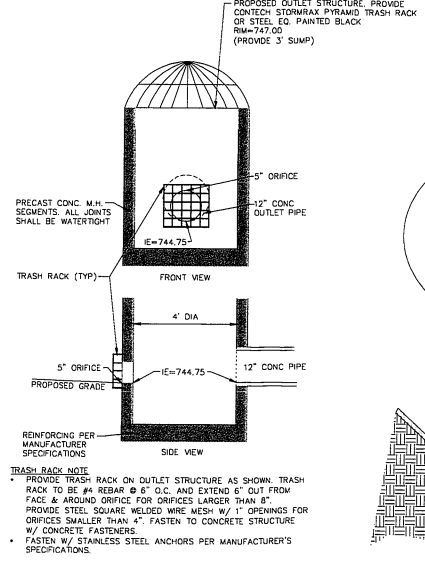
GENERAL NOTES
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.
CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL. AT LOCATIONS REGULATED BY THE STANDARD SPECIFICATIONS AND THE PLAN, THE CONNECTIONS MAY BE OTHER THAN THOSE ILLUSTRATED HEREIN. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS FABRICATED AND WORKMANSHIP SHALL BE AS SHOWN BY THIS DETAIL. THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND SPREAD DIMENSIONS IF REQUIRED.
DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.
① 1/2" OF TONGUE AND GROOVE ON BELL AND SPOT JOINTS.
② THE EDGE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.
③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 1/8" FROM 1/2" OF TONGUE AND GROOVE.
④ BOLT PROJECTION FROM FACE SHALL NOT EXCEED 2 INCHES.
⑤ SPACING TO BE 10" DIA. PLUS 1/4".
⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2" FROM THE INNER SURFACE OF THE PIPE.



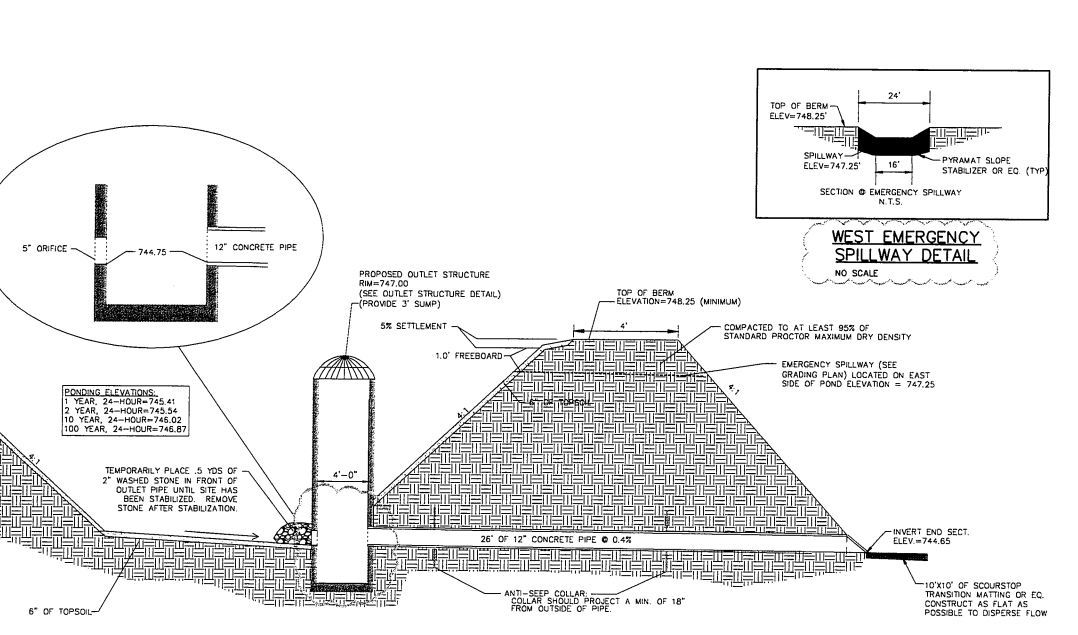
CONCRETE COLLAR DETAIL
NO SCALE



SAMPLING MANHOLE DETAIL
NO SCALE



DRY POND OUTLET STRUCTURE DETAIL
NO SCALE



DRY DETENTION BASIN DETAIL
NO SCALE

EXCEL
ARCHITECTS • ENGINEERS • SURVEYORS
Always a Better Plan
100 Camelot Drive
Fond Du Lac, WI 54935
Phone: (920) 926-9800
www.EXCELENGINEER.com

Schorner
CONSTRUCTION CO., INC.

PROJECT INFORMATION

PROBIO RE LLC
4011 NICHOLSON ROAD • CALEDONIA WISCONSIN

PROPOSED BUILDING FOR:
PROBIO RE LLC
4011 NICHOLSON ROAD • CALEDONIA WISCONSIN

PROFESSIONAL SEAL

SHEET DATES

ISSUE DATE	SEPT. 14, 2020
REVISIONS	
AD1	SEPT. 14, 2020 OCT. 1, 2020

JOB NUMBER

1814600

SHEET NUMBER

C2.2

DETAILS

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Village of Caledonia

Water Utility

Acct #	Acct Title	Actual	Budget	Budget	Actual	Budget	Variance	
		12/31/2019	12/31/2019	1/1/2020	6/30/2020	2021	Amt	%
Income:								
500-00-41110	Property Taxes	345,794	345,794	354,475	354,475	97,563	(256,912)	-72%
500-00-42010	Special Assessment	19,104	50,000	45,000	21,083	22,500	(22,500)	-50%
500-00-46140	Property Rentals	16,589	16,589	16,589	16,589	16,589	-	0%
500-00-46160	Tax Search Fee	6,688	15,000	12,000	3,388	7,000	(5,000)	-42%
500-00-46251	Residential Service	2,096,789	2,225,000	2,275,060	1,025,255	2,358,085	83,025	4%
500-00-46252	Commercial Service	472,127	425,000	434,560	196,349	451,600	17,040	4%
500-00-46253	Industrial Service	31,819	40,000	40,900	16,054	36,925	(3,975)	-10%
500-00-46254	Public Authorities Service	61,883	70,000	71,575	26,236	60,350	(11,225)	-16%
500-00-46255	Public Fire Protection	1,021,847	1,132,520	854,100	488,066	1,122,550	268,450	31%
500-00-47404	Service Charge Revenue	30,736	8,179	309,715	4,731	9,500	(300,215)	-97%
500-00-48100	Interest Income	56,606	26,000	22,000	4,235	10,000	(12,000)	-55%
500-00-48105	Dividend Income	2,234	3,000	3,000	1,468	2,500	(500)	-17%
500-00-48110	Other Interest	666	3,000	-	-	-	-	0%
500-00-48115	Late Payment Charges	86,894	78,000	78,000	5,839	78,000	-	0%
500-00-48301	Sale of Property	-	-	-	4,000	-	-	0%
500-00-48900	Miscellaneous Revenue	7,071	6,192	7,000	2,301	5,000	(2,000)	-29%
500-00-49100	Bond Proceeds	-	-	-	-	1,968,000	-	0%
500-00-49310	Capital Contribution	3,536,179	-	-	-	-	-	0%
500-00-49320	Impact Fees	145,700	92,000	92,000	34,100	75,000	(17,000)	-18%
Total Income:		7,938,726	4,536,274	4,615,974	2,204,168	6,321,162	1,705,188	37%
Expenses:								
500-00-50100	Salaries	307,260	336,200	339,860	161,298	335,567	(4,293)	-1%
500-00-50110	Part Time Salaries	-	4,500	-	-	-	-	0%
500-00-50130	Overtime	2,333	3,500	5,000	1,479	5,000	-	0%
500-00-50170	FICA	25,222	26,332	26,650	11,760	25,671	(979)	-4%
500-00-50190	WRS	22,774	40,253	23,175	10,657	22,651	(524)	-2%
500-00-50210	Pension	-	-	18,000	-	-	(18,000)	-100%
500-00-50220	Health Care	85,442	90,797	94,660	41,421	90,497	(4,163)	-4%
500-00-50240	Life Insurance	778	1,164	1,320	700	1,369	49	4%
500-00-50250	Dental Insurance	2,456	2,709	2,605	1,255	2,538	(67)	-3%
500-00-50260	Workers Compensation	13,440	20,000	20,000	-	20,000	-	0%
500-00-50270	Sick Leave Payout	-	8,000	-	8,000	8,000	8,000	0%
500-00-50280	Clothing Allowance	1,476	2,025	2,025	-	2,025	-	0%
500-00-50330	Compensated Absences	-	13,000	13,000	-	13,000	-	0%
500-00-51300	Education/Training/Conferer	2,589	1,000	1,000	410	2,500	1,500	150%
Total Salaries & Fringes:		463,768	549,480	547,295	236,980	528,818	(18,477)	
500-00-60100	General Liability Insurance	16,002	13,375	14,000	-	16,002	2,002	14%

Village of Caledonia

Water Utility

Acct #	Acct Title	Actual	Budget	Budget	Actual	Budget	Variance	
		12/31/2019	12/31/2019	1/1/2020	6/30/2020	2021	Amt	%
500-00-61000	Professional Services	4,504	15,000	10,000	5,657	11,500	1,500	15%
500-00-61100	Attorney Fees	140	6,000	6,000	-	5,000	(1,000)	-17%
500-00-61300	Audit Services	9,360	6,500	6,500	6,500	7,500	1,000	15%
500-00-61310	Banking/Financial Charges	5	-	-	365	1,000	1,000	0%
500-00-61340	Engineering Design Charges	44,677	60,000	40,000	25,361	50,000	10,000	25%
500-00-62100	Contracted Services	535	10,000	-	-	-	-	0%
500-00-62300	Office Equipment Rental & I	-	-	2,000	-	-	(2,000)	-100%
500-00-62550	Purchased Water	1,744,452	1,958,250	2,017,000	410,229	1,800,000	(217,000)	-11%
500-00-63200	Fuel, Oil, Fluids	1,539	-	-	1,175	2,500	2,500	0%
500-00-63300	Vehicle Repairs & Maintena	12,987	15,000	17,500	2,891	15,000	(2,500)	-14%
500-00-64010	Notifications/publications	387	-	-	-	500	500	0%
500-00-64030	Office Supplies	6,884	9,110	9,500	2,623	9,000	(500)	-5%
500-00-64040	Postage & Shipping	11,808	17,000	17,000	2,946	17,000	-	0%
500-00-64060	Copying & Printing	124	-	-	-	-	-	0%
500-00-64070	Work Supplies	3,586	6,826	8,500	878	7,500	(1,000)	-12%
500-00-64120	Licenses, Permits & Fees	3,456	-	5,000	-	5,000	-	0%
500-00-64140	Utilities	15,755	24,350	24,350	7,393	16,000	(8,350)	-34%
500-00-64150	Communication Services	8,236	8,250	8,500	3,449	8,500	-	0%
500-00-64180	Public Fire Protection	258,765	303,930	315,000	64,691	293,450	(21,550)	-7%
500-00-64240	Building Repairs & Mainten:	227,138	267,461	390,000	145,890	390,000	-	0%
500-00-64250	Equipment Repairs & Mainte	476	-	-	330	-	-	0%
500-00-64260	Grounds Repairs & Maintena	1,897	-	-	-	-	-	0%
500-00-64320	IT Infrastructure	3,633	3,000	25,000	2,116	12,500	(12,500)	-50%
500-00-69000	Unrealized Gain/Loss on Inv	(17,431)	-	-	(2,503)	-	-	0%
500-00-69100	Realized Gain/Loss on Inves	9,047	-	-	-	-	-	0%
Total Operating Expenses:		<u>2,367,962</u>	<u>2,724,052</u>	<u>2,915,850</u>	<u>679,991</u>	<u>2,667,952</u>	<u>(247,898)</u>	<u>-9%</u>
Total Salaries & Operating:		<u>2,831,730</u>	<u>3,273,532</u>	<u>3,463,145</u>	<u>916,971</u>	<u>3,196,770</u>		
500-02-65130	Water Meters	-	-	-	-	125,000	125,000	0%
500-03-65130	GIS Mapping	-	-	-	-	50,000	50,000	0%
500-04-65130	Vehicle Replacement	-	-	-	-	20,000	20,000	0%
500-05-65130	North Kremer Additions Wa	-	-	-	-	1,170,000	1,170,000	0%
Total Captial Expenditures:		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1,365,000</u>		

Village of Caledonia Water Utility

Acct #	Acct Title	Actual 12/31/2019	Budget 12/31/2019	Budget 1/1/2020	Actual 6/30/2020	Budget 2021	Variance Amt	%
Other Expenses:								
500-00-67100	Interest	354,006	375,000	400,000	187,859	325,806	(74,194)	-19%
500-00-67300	Principal	-	-	700,000	690,000	530,000	(170,000)	-24%
500-00-67600	Bond Issuance Costs	27,491	65,000	-	-	-	-	0%
500-00-68000	Depreciation Expense	460,474	343,371	374,887	115,118	460,474	85,587	23%
500-00-68100	Depreciation Expense CIAC	517,453	477,871	509,387	129,363	517,453	8,066	2%
500-00-68200	Amoritization Expense	16,475	-	-	-	-	-	0%
	Total Other Expense:	<u>1,375,899</u>	<u>1,261,242</u>	<u>1,984,274</u>	<u>1,122,341</u>	<u>1,833,733</u>	<u>(150,541)</u>	<u>-8%</u>
	Net Income	(1,375,899)	(1,261,242)	(1,984,274)	(1,122,341)	(74,341)	1,909,933	-96%
Add in non-cash expenses								
	Add Depreciation Expense					460,474		
	Add Depreciation Expense CIAC					517,453		
	Add Amoritization Expense					<u>-</u>		
	Anticipated change in net cash					903,586		

Caledonia Utility District - Water
Proposed Capital Improvement Program 2019-2025

	2019	2020	2021	2022	2023	2024	2025	Total
Transmission and Distribution Mains								
Hwy 32, 5-6 Mile Road Recon Project Water Relay (DOT)	\$ 75,000							\$ 75,000
Hwy 32, 5-6 Mile Road Recon Project Water Relay	\$ 112,500							\$ 112,500
Caddy Vista Sanitary Sewer & Water Main Extensions	\$ 262,500							\$ 262,500
Root River Drive Water Main Replacement	\$ 650,000							\$ 650,000
DeBack Farms Phase 3 Oversizing	\$ 104,890							\$ 104,890
Rio Vista Water Main Relay		\$ 575,000						\$ 575,000
Stonebridge Drive West Water Main Relay		\$ 250,000						\$ 250,000
North Kremer Additions			\$ 1,170,000					\$ 1,170,000
Washington Meadows Water				\$ 953,000				\$ 953,000
Erie Street Water System Improvements (TID #5)							\$ 1,895,700	\$ 1,895,700
Lakeshore Drive Water Main								\$ -
North Main Street Resurfacing Utility Rehabilitation								\$ -
Annual Main Replacement Program	\$ 1,204,890	\$ 825,000	\$ 1,295,000	\$ 1,078,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 6,673,590
Vehicles **								
Vehicle Replacement	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 140,000
Total Cost	\$ 1,224,890	\$ 845,000	\$ 1,315,000	\$ 1,098,000	\$ 145,000	\$ 145,000	\$ 2,040,700	\$ 6,813,590
Sources of Funding								
Utility Cash	\$ 1,190,061		\$ 300,000	\$ 300,000	\$ 145,000	\$ 145,000	\$ 610,000	
Utility Net Revenue	\$ 258,500	\$ 321,000	\$ 300,000	\$ 300,000	\$ 145,000	\$ 145,000	\$ 610,000	
Developer Contribution								
Bonding								
			2021 W&S Bond		2023 W&S Bond		2025 W&S Bond	
			\$ 1,968,000	\$ (155,000)	\$ -	\$ -	\$ 1,430,700	
			\$ 2,268,000	\$ 145,000	\$ -	\$ -	\$ 2,040,700	
Total	\$ 1,224,890	\$ 1,646,000	\$ 2,268,000	\$ 145,000	\$ -	\$ -	\$ 2,040,700	

Village of Caledonia

Sewer Utility

Acct #	Acct Title	Actual 12/31/2019	Budget 12/31/2019	Budget 1/1/2020	Actual 6/30/2020	Budget 2021	Variance Amt	%
Income:								
501-00-41110	Property Taxes	557,809	600,809	559,359	559,359	555,855	(3,504)	-1%
501-00-42010	Special Assessment	6,842	6,000	-	-	-	-	0%
501-00-46160	Tax Search Fee	10,088	6,000	12,000	9,624	12,000	-	0%
501-00-46251	Residential Service	4,599,009	4,660,000	4,816,840	2,334,211	5,180,000	363,160	8%
501-00-46252	Commercial Service	784,050	781,000	799,780	419,244	930,000	130,220	16%
501-00-46253	Industrial Service	40,838	42,900	43,930	20,790	46,150	2,220	5%
501-00-46254	Public Authorities Service	134,512	140,000	143,360	70,340	156,150	12,790	9%
501-00-47404	Service Charge Revenue	364,650	450,000	400,000	112,200	275,000	(125,000)	-31%
501-00-48100	Interest Income	128,789	65,000	50,000	6,029	25,000	(25,000)	-50%
501-00-48105	Dividend Income	2,234	-	-	1,468	-	-	0%
501-00-48115	Late Payment Charges	107,844	120,000	125,000	44,865	100,000	(25,000)	-20%
501-00-48900	Miscellaneous Revenue	74,734	6,722	12,750	6,362	6,500	(6,250)	-49%
501-00-49100	Bond Proceeds	-	-	-	-	16,254,500	-	-
501-00-49310	Capital Contribution	8,136,410	-	-	-	-	-	0%
Total Income:		<u>14,947,808</u>	<u>6,878,431</u>	<u>6,963,019</u>	<u>3,584,491</u>	<u>23,541,155</u>	<u>16,578,136</u>	<u>238%</u>
Expenses:								
501-00-50100	Salaries	313,704	336,200	339,857	161,298	335,567	(4,290)	-1%
501-00-50110	Part Time Salaries	-	4,500	-	-	-	-	0%
501-00-50130	Overtime	2,333	3,500	4,000	1,479	5,000	1,000	25%
501-00-50170	FICA	25,221	26,332	26,611	11,759	25,671	(940)	-4%
501-00-50190	WRS	22,428	40,253	23,170	11,002	22,651	(519)	-2%
501-00-50210	Pension	-	-	18,000	-	-	(18,000)	-100%
501-00-50220	Health Care	85,442	90,797	94,661	41,421	90,497	(4,164)	-4%
501-00-50230	Retiree Health Care	-	-	-	-	-	-	0%
501-00-50240	Life Insurance	778	1,164	1,320	700	1,369	49	4%
501-00-50250	Dental Insurance	2,456	2,709	2,605	1,255	2,538	(67)	-3%
501-00-50260	Workers Compensation	13,440	17,000	17,000	-	20,000	3,000	18%
501-00-50270	Sick Leave Payout	-	8,000	8,000	-	8,000	-	0%
501-00-50280	Clothing Allowance	1,289	2,025	2,025	-	2,025	-	0%
501-00-50310	Safety Glasses	186	-	-	-	-	-	0%
501-00-50330	Compensated Absences	-	13,000	13,000	-	13,000	-	0%
501-00-51100	Testing/Physicals	-	-	-	52	-	-	0%
501-00-51300	Education/Training/Confer	825	1,000	1,000	-	2,500	1,500	100%
Total Salaries & Fringes:		<u>468,101</u>	<u>546,480</u>	<u>551,249</u>	<u>228,966</u>	<u>528,818</u>		
501-00-60100	General Liability Insurance	16,002	14,000	14,000	-	14,000	-	0%
501-00-61000	Professional Services	4,497	15,000	13,000	804	10,000	(3,000)	-23%

Village of Caledonia

Sewer Utility

Acct #	Acct Title	Actual 12/31/2019	Budget 12/31/2019	Budget 1/1/2020	Actual 6/30/2020	Budget 2021	Variance Amt	%
501-00-61100	Attorney Fees	140	4,197	5,000	4,756	5,000	-	0%
501-00-61300	Audit Services	9,360	6,500	6,500	6,500	7,500	1,000	15%
501-00-61310	Banking/Financial Charges	-	-	-	449	1,000	1,000	0%
501-00-61340	Engineering Design Charge	39,058	60,000	30,000	28,278	50,000	20,000	67%
501-00-62100	Contracted Services	535	5,000	-	-	-	-	0%
501-00-62550	Sewer Treatment Charges	3,062,139	2,585,000	2,502,500	797,426	2,772,000	269,500	11%
501-00-63200	Fuel, Oil, Fluids	1,539	-	-	1,175	2,500	2,500	0%
501-00-63300	Vehicle Repairs & Mainte	13,113	15,000	15,000	5,887	15,000	-	0%
501-00-64010	Notifications/publications	387	-	-	-	500	500	0%
501-00-64030	Office Supplies	6,106	8,717	8,750	2,216	9,000	250	3%
501-00-64040	Postage & Shipping	11,808	15,000	15,000	2,946	17,000	2,000	13%
501-00-64060	Copying & Printing	124	-	-	-	-	-	0%
501-00-64070	Work Supplies	3,376	6,202	6,500	1,287	7,500	1,000	15%
501-00-64140	Utilities	143,765	135,750	150,750	79,035	160,000	9,250	6%
501-00-64150	Communication Services	9,751	10,000	10,000	3,914	10,000	-	0%
501-00-64240	Building Repairs & Mainte	110,819	175,966	185,000	70,499	185,000	-	0%
501-00-64250	Equipment Repairs & Mair	572	-	-	-	-	-	0%
501-00-64260	Grounds Repairs & Mainte	1,875	-	-	-	-	-	0%
501-00-64320	IT Infrastructure	2,080	7,313	25,000	2,116	12,500	(12,500)	-50%
501-00-64400	Equipment/Storage Rental	-	-	1,500	-	-	(1,500)	-100%
Total Operating Expenses:		<u>3,437,046</u>	<u>3,063,645</u>	<u>2,988,500</u>	<u>1,007,290</u>	<u>3,278,500</u>	290,000	10%
501-00-65030	Equipment	-	365,611	500,000	-	100,000	(400,000)	-80%
501-01-65140	Annual Sewer Televising	-	-	-	-	85,000	85,000	-
501-02-65140	Sewer Modeling	-	-	-	-	15,000	15,000	-
501-03-65140	GIS Mapping	-	-	-	-	50,000	50,000	-
501-04-65140	Vehicle Replacement	-	-	-	-	20,000	20,000	-
501-07-65140	Central Lift Station Safety	-	-	-	-	800,000	800,000	-
501-09-65140	Hoods Creek Attenuation]	-	-	-	-	10,300,000	10,300,000	-
501-10-65140	Dominican Lift Station Rep	-	-	-	-	634,500	634,500	-
501-11-65140	Riverbend Lift Station Forc	-	-	-	-	3,200,000	3,200,000	-
501-12-65140	Riverbend Lift Station Safe	-	-	-	-	1,700,000	1,700,000	-
Total Capital Expenditures:		<u>-</u>	<u>365,611</u>	<u>500,000</u>	<u>-</u>	<u>16,904,500</u>		
Total Expenses:		<u>3,905,147</u>	<u>3,975,736</u>	<u>4,039,749</u>	<u>1,236,256</u>	<u>20,711,818</u>	16,962,069	
Net Ordinary Income:		11,042,661	2,902,695	2,923,270	2,348,236	2,829,337	(383,933)	

Village of Caledonia

Sewer Utility

Acct #	Acct Title	Actual 12/31/2019	Budget 12/31/2019	Budget 1/1/2020	Actual 6/30/2020	Budget 2021	Variance Amt	%
501-00-67100	Interest	586,300	650,000	675,000	321,153	1,140,516	465,516	69%
501-00-67300	Principal	-	-	2,241,000	2,261,428	2,313,672	72,672	3%
501-00-67600	Bond Issuance Costs	76,470	100,000	-	-	-	-	0%
501-00-68000	Depreciation Expense	1,343,252	1,295,000	1,355,733	335,813	1,343,252	(12,481)	-1%
501-00-68100	Depreciation Expense CIAC	223,369	-	-	55,842	223,369	223,369	0%
501-00-68200	Amoritization Expense	805,985	856,195	817,497	201,105	805,985	(11,512)	-1%
501-00-69000	Unrealized Gain/Loss on Ir	(57,085)	-	-	(2,148)	-	-	0%
501-00-69100	Realized Gain/Loss on Inve	3,774	-	-	-	-	-	0%
	Total Other Expense:	<u>2,982,066</u>	<u>2,901,195</u>	<u>5,089,230</u>	<u>3,173,194</u>	<u>5,826,794</u>	<u>737,564</u>	14%
	Net Income	8,060,595	1,500	(2,165,960)	(824,958)	(2,997,457)	(831,497)	38%
Add in non-cash expenses								
Add Depreciation Expense						1,343,252		
Add Depreciation Expense CIAC						223,369		
Add Amoritization Expense						<u>805,985</u>		
Anticipated change in net cash						(624,851)		

	2020	2021	2022	2023	2024	2025	Total
Collection System							
Hwy 32, 5-6 Mile Road Recon Project Sewer Relay (DOT)	\$ 200,000						\$ 200,000
Caddy Vista Improvements-West	\$ 1,000,000						\$ 1,000,000
System Wide Sewer Capacity Modeling & Annual Sewer Televising	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 600,000
South Lane Replacement	\$ 900,000						\$ 900,000
Hood's Creek Attenuation Basin Second & Third Cell		\$ 10,300,000					\$ 10,300,000
Central Lift Station Attenuation Basin			\$ 13,110,000				\$ 13,110,000
Caddy Vista Improvements-East				\$ 625,000			\$ 625,000
Annual Sewer Replacement Program	\$ 2,200,000	\$ 10,400,000	\$ 13,210,000	\$ 1,225,000	\$ 200,000	\$ 500,000	\$ 1,200,000
							\$ 27,935,000
Lift Station							
Lighthouse Drive Lift Station	\$ 600,000						\$ 600,000
Dominican Lift Station Replacement (TID #5) District Portion		\$ 634,500					\$ 634,500
Central Lift Station Safety Site		\$ 800,000					\$ 800,000
Riverbend Lift Station Safety Site		\$ 1,700,000					\$ 1,700,000
Annual Lift Station Improvements	\$ 600,000	\$ 3,134,500	-	-	\$ 250,000	\$ 250,000	\$ 500,000
							\$ 4,234,500
I & I Improvements							
Wind Point Sewer Rehabilitation	\$ 195,000						\$ 195,000
Village Resurfacing Projects Utility Rehabilitations (Rio Vista Shorewood)	\$ 400,000						\$ 400,000
Village Resurfacing Projects Utility Rehabilitations (Wind Dale / Wind Point West)	\$ 150,000						\$ 150,000
4 1/2 Mile Road Sanitary Sewer Rehabilitation (TID #5)				\$ 201,100			\$ 201,100
Erie Street Sanitary Sewer Rehabilitation (TID #5)					\$ 200,000	\$ 200,000	\$ 400,000
Annual I & I Improvements	\$ 745,000	\$ -	\$ -	\$ 401,100	\$ 200,000	\$ 513,600	\$ 1,859,700
							\$ 120,000
Vehicles **							
Vehicle Replacement	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 120,000
							\$ 3,200,000
		\$ 3,200,000					\$ 3,200,000
Force Mains							
Riverbend Forcemain		\$ 3,200,000					\$ 3,200,000
North Main Street Resurfacing Utility Rehabilitation							\$ -
							\$ 3,200,000
		\$ 3,200,000					\$ 3,200,000
Total Cost	\$ 3,565,000	\$ 16,754,500	\$ 13,230,000	\$ 1,646,100	\$ 770,000	\$ 1,383,600	\$ 37,349,200
Sources of Funding							
Utility Cash	\$ 5,888,863						\$ 5,888,863
Utility Net Revenue	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000			\$ 2,000,000
Developer Contribution	\$ 258,500						\$ 258,500
Bonding							\$ -
2019 W&S Bond							\$ -
2020 W&S Bond							\$ -
2021 W&S Bond		\$ 16,254,500					\$ 16,254,500
2022 W&S Bond			\$ 12,730,000				\$ 12,730,000
2023 W&S Bond					\$ 3,799,700.00		\$ 3,799,700.00
Total	\$ 7,934,291	\$ 1,823,500	\$ -	\$ -	\$ -	\$ -	\$ 3,200,000

Village of Caledonia

Stormwater Utility

Acct #	Acct Title	Actual	Budget	Budget	Actual	Budget	Variance	
		12/31/2019	12/31/2019	1/1/2020	6/30/2020	2021	Amt	%
Income:								
502-00-42010	Special Assessment	59,483	53,500	47,250	6,373	42,000	(5,250)	-11%
502-00-46311	Engineering Design Charges	21,631	35,000	35,000	3,818	25,000	(10,000)	-29%
502-00-47400	ERU Storm water fee	1,007,123	998,600	1,007,265	(463)	1,010,000	2,735	0%
502-00-48100	Interest Income	79,202	35,000	60,000	4,554	20,000	(40,000)	-67%
502-00-48900	Miscellaneous Revenue	600	-	-	-	-	-	0%
502-00-49300	Fund Balance Applied	-	871,785	912,915	-	765,217	(147,698)	-16%
Total Income:		1,168,039	1,993,885	2,062,430	14,281	1,862,217	(200,213)	-10%
Expense:								
502-00-50100	Salaries	184,953	162,655	162,200	51,457	232,582	70,382	43%
502-00-50170	FICA	10,178	12,445	12,410	3,727	17,792	5,382	43%
502-00-50190	WRS	8,302	10,655	10,410	3,473	15,700	5,290	51%
502-00-50220	Health Care	31,949	36,780	29,175	10,587	49,698	20,523	70%
502-00-50240	Life Insurance	339	655	655	83	919	264	40%
502-00-50250	Dental Insurance	763	1,120	1,080	279	1,368	288	27%
502-00-50260	Workers Compensation	5,369	4,750	4,850	-	6,500	1,650	34%
502-00-50280	Clothing Allowance	450	900	900	-	1,350	450	50%
502-00-50310	Safety Glasses	-	-	1,000	-	900	(100)	-10%
502-00-51300	Education/Training/Conferen	791	2,900	6,500	175	6,500	-	0%
502-00-51320	Memberships/Dues	3,625	-	-	-	-	-	0%
502-00-51340	Certification/licensing	-	-	3,000	69	-	(3,000)	-100%
Total Salaries & Fringes:		246,719	232,860	232,180	69,851	333,309		
502-00-60100	General Liability Insurance	2,572	2,075	1,650	-	-	(1,650)	-100%
502-00-61000	Professional Services	421	-	-	-	-	-	0%
502-00-61100	Attorney Fees	3,225	55,000	10,000	1,241	5,000	(5,000)	-50%
502-00-61300	Audit Services	-	-	5,000	5,000	5,000	-	0%
502-00-61600	Village Services	30,000	42,500	35,000	-	30,000	(5,000)	-14%
502-00-62100	Contracted Services	58,872	67,000	60,000	-	-	(60,000)	-100%
502-00-62101	MS4 - Illicit Discharge	-	-	-	-	11,500	11,500	-
502-00-62102	MS4 - Public Education	-	-	-	-	4,100	4,100	-
502-00-62300	Office Equipment Rental & M	-	-	-	-	-	-	0%
502-00-62700	Grounds Services	23,100	35,000	30,000	-	-	(30,000)	-100%
502-00-64030	Office Supplies	90	2,500	2,500	200	2,500	-	0%
502-00-64040	Postage & Shipping	-	-	-	-	500	500	0%
502-00-64050	Publications & Subscriptions	-	-	400	-	200	(200)	-50%
502-00-64060	Copying & Printing	-	-	-	47	-	-	0%
502-00-64070	Work Supplies	4,258	17,000	3,000	202	3,000	-	0%

Village of Caledonia

Stormwater Utility

Acct #	Acct Title	Actual 12/31/2019	Budget 12/31/2019	Budget 1/1/2020	Actual 6/30/2020	Budget 2021	Variance Amt	%
502-00-64140	Utilities	30	-	-	534	5,000	5,000	0%
502-00-64150	Communication Services	60	-	-	60	500	500	0%
502-00-64240	Building Repairs & Maintena	105	-	55,000	16,628	65,000	10,000	18%
502-00-64250	Equipment Repairs & Mainte	-	-	-	-	-	-	0%
502-00-64260	Grounds Repairs & Maintena	79,475	-	7,000	35,704	37,000	30,000	429%
502-00-64300	IT Maintenance & Subscripti	6,702	7,450	7,350	264	7,500	150	2%
502-00-64310	IT Contracted Services	-	-	-	-	-	-	0%
502-00-64500	Permits & Fees	14,227	53,500	30,000	4,557	3,000	(27,000)	-90%
502-00-65050	Communications Equipment	-	-	50,000	-	-	(50,000)	-100%
502-00-65060	Computer Hardware	-	-	-	2,587	-	-	0%
502-00-65150	Storm Sewers	103,571	1,150,000	1,216,500	320,618	-	(1,216,500)	-100%
502-00-65151	Culvert Replacements	-	-	-	-	60,000	60,000	-
502-00-65152	GIS Update	-	-	-	-	50,000	50,000	-
502-00-65153	Hoods Creek Brushing	-	-	-	-	25,000	25,000	-
502-00-65154	Highway 32 Stream Restorati	-	-	-	-	525,000	525,000	-
502-00-65155	Turtle Creek Restoration	-	-	-	-	75,000	75,000	-
502-00-66300	Transfer to Capital Projects	-	-	-	-	300,000	300,000	-
	Total Operating Expenses:	<u>326,709</u>	<u>1,432,025</u>	<u>1,513,400</u>	<u>387,641</u>	<u>1,214,800</u>	<u>(298,600)</u>	
	Total Expenses:	<u>573,427</u>	<u>1,664,885</u>	<u>1,745,580</u>	<u>457,492</u>	<u>1,548,109</u>	<u>(197,471)</u>	
	Net Ordinary Income:	<u>594,612</u>	<u>329,000</u>	<u>316,850</u>	<u>(443,211)</u>	<u>314,108</u>	<u>(2,742)</u>	
502-00-67100	Interest	34,000	(5,500)	26,850	15,600	19,108	(7,742)	-29%
502-00-67300	Principal	280,000	5,000	290,000	290,000	295,000	5,000	2%
502-00-68000	Depreciation Expense	-	-	-	-	425,000	425,000	-100%
	Total Other Expense:	<u>314,000</u>	<u>(500)</u>	<u>316,850</u>	<u>305,600</u>	<u>739,108</u>	<u>422,258</u>	-100%
	Net Income	594,612	329,000	316,850	(443,211)	(425,000)	(741,850)	0%
	Add in non-cash expenses							
	Add Depreciation Expense	-	-	-	-	425,000	425,000	-100%
	Anticipated change in net cash	594,612	329,000	316,850	(443,211)	(0)	(316,850)	-100%

RACINE WASTEWATER UTILITY CLASS I CHARGES - 2021

10/1/2020
Proposed

<u>AREA</u>	<u>2020</u>	<u>2021</u>	<u>% CHANGE</u>	<u>Overall % Change</u>
A. City of Racine (\$/ccf) plus quarterly fixed charge	\$2.67 \$20.00	\$2.42 \$40.00	-9.4% 100.0%	19.4%
B. Elmwood Park (\$/ccf) North Bay (\$/ccf) plus quarterly fixed charge	\$2.65 \$2.65 \$20.00	\$2.41 \$2.41 \$20.00	-9.1% -9.1% 0.0%	-6.7%
C. Mt. Pleasant (int) (\$/MG) Caledonia (\$/MG) Sturtevant (\$/MG)	\$1,380.45 \$1,380.45 \$1,380.45	\$1,212.55 \$1,212.55 \$1,212.55	-12.2% -12.2% -12.2%	-12.2% -12.2% -12.2%
D. Mt. Pleasant (\$/MG) Caledonia (\$/MG)	\$1,712.19 \$1,712.19	\$1,521.57 \$1,521.57	-11.1% -11.1%	-11.1% -11.1%

The percentage change is shown as a comparison to the previous years rates. The actual rate increase imposed by individual sewer utilities will vary depending on how they deal with existing surpluses and future projects within their respective Utilities.

RACINE WASTEWATER UTILITY CLASS 2 CHARGES - 2021

10/1/2020
Proposed

<u>AREA</u>	<u>2020</u>	<u>2021</u>	<u>Difference</u>	<u>% CHANGE</u>
A. City of Racine (\$/MG)	\$2,370.59	\$2,170.03	(\$200.56)	-8.5%
B. Mt. Pleasant - Sturtevant (\$/MG)	\$779.51	\$682.89	(\$96.63)	-12.4%
C. Caledonia (\$/MG)	\$1,083.05	\$967.72	(\$115.33)	-10.6%
D. BOD (\$/1000 LBS.)	\$285.20	\$271.97	(\$13.22)	-4.6%
E. SS (\$/1000 LBS.)	\$336.75	\$335.11	(\$1.63)	-0.5%
F. PHOS (\$/1000 LBS.)	\$2,137.82	\$2,186.61	\$48.79	2.3%