

VILLAGE OF CALEDONIA UTILITY DISTRICT MEETING AGENDA

Wednesday, March 5, 2025 – 6:00 p.m.

Caledonia Village Hall – 5043 Chester Lane

THIS WILL BE AN IN-PERSON MEETING

- 1. Meeting Called to Order
- 2. Roll Call
- 3. Approval of Minutes
 - a. Utility District Regular Meeting February 5, 2025
- 4. Citizen Comments
- 5. Communications and Announcements
 - a. Racine Water Utility Agenda & Minutes
 - b. Racine Sewer Utility Agenda
- 6. Approval of O&M Bills
 - a. O&M Bills related to the Sewer, Water & Storm Water Utility District
- 7. Project Updates
 - a. Current Contracts
 - **b.** Riverbend Lift Station Safety Site, Lift Station & Forcemain Upgrade
 - **c.** Annual Televising Program Sanitary Sewer
 - d. Central Lift Station Safety Site & Attenuation Basin
 - e. TID #4 Elevated Storage Tank & Adams Road Watermain
 - f. Western Village / Sundance Heights Watermain Replacement
 - g. TID #4 Phase 4 Sanitary Sewer & Water Main Extension Project
 - **h.** Hoods Creek Aldebaran Brushing Project
 - i. Turtle Creek Restoration
 - **j.** 4 Mile Road Tile (Club View Subdivision to Erie Street)
- 8. Action Items
 - a. Storm Water Management Plan 5140 Highway H Grabowski
 - **b.** Bel Mar Avenue Municipal Water Request & Survey Results
- 9. Adjournment

1 – Order

President Stacey called the Village of Caledonia Utility District meeting to order at 6:00 pm.

2 - Roll Call

PRESENT: 5 – President Howard Stacey, Commissioners Dave Ruffalo, Robert Kaplan,

Kathleen Trentadue and Trustee Lee Wishau.

EXCUSED: 0 **ABSENT:** 0

STAFF: Public Services Director Anthony A. Bunkelman P.E.

3 - Approval of Minutes January 15, 2025

A motion was made by Commissioner Kaplan to approve the Utility District's minutes from January 15, 2025, seconded by Trustee Wishau. **Motion carried 5-0.**

4 – Citizen Comments

<u>5 – Communications & Announcements</u>

a. Racine Water Utility Agenda

The Commission looked over the agenda from the January 15th meeting of the Racine Water Utility.

b. Racine Sewer Utility Agenda & Minutes

The Commission looked over the agenda and minutes from the January 15th meeting of the Racine Sewer Utility.

6 – Approval of O&M Bills

- **a.** Trustee Wishau moved to approve the Sewer Utility Invoices in the amount of \$56,944.15 from the January 31st invoice list. Seconded by Commissioner Trentadue. **Motion carried 5-0.**
- **b.** Trustee Wishau moved to approve the Water Utility Invoices in the amount of \$31,711.97 from the January 31st invoice list. Seconded by Commissioner Trentadue. **Motion carried 5-0.**
- **c.** Trustee Wishau moved to approve the Storm Water Utility Invoices in the amount of \$15,137.33 from the January 31st invoice list. Seconded by Commissioner Trentadue. **Motion carried 5-0.**

7 - Project Updates

a. Current Contracts

Director Bunkelman updated the status of the Sundance Heights Watermain Replacement project contract, the TID #4 Phase 4 Sanitary Sewer & Water Main Extension contract and the Adams Road Tower & Watermain contract.

b. Riverbend Lift Station Safety Site, Lift Station & Forcemain Upgrade

Currently reviewing the Draft Facility Plan.

c. Annual Televising Program – Sanitary Sewer

Cleaning for 2025 will begin in Spring.

d. Central Lift Station Safety Site & Attenuation Basin

Design of Basin continues.

e. TID #4 Elevated Storage Tank & Adams Road Watermain

Pre-Construction Meeting held on January 23. Looking to install watermain in March and tower tentatively scheduled to be completed by September 2026. Contractor will be providing construction plans in the next few months. PSC initial meeting held on January 16th. Investigation has been approved. Will have an investigation review tentatively in February.

f. Western Village / Sundance Heights Watermain

Contractor has minor work to be completed in Spring. Have started a punchlist of issues and complaints on restoration.

g. TID #4 Phase 4 Sanitary Sewer & Watermain Extension Project

The South Hills Commerce Center Sanitary Sewer portion of the project is completed. Will be working on restoration now and in Spring.

h. Hoods Creek - Aldebaran Brushing Project

Interest has been shared with the Village to extend the project to the North in 2025.

i. Turtle Creek Restoration

Southern Wisconsin Appraisal meeting with owners to discuss easements. Looking to set up a meeting in the Spring with an Arborist to spray the Klema Ditch to prevent future tree growth.

j. 4 Mile Road Tile (Club View Subdivision to Erie Street)

Drainage Study has been submitted and reviewed. A meeting with the engineer is to be held on January 28th.

8 – Action Items

a. Authorization of Signatures – Prairie Pathways Phase 5 Development Agreement – The Newport Group LTD

Commissioner Ruffalo made a motion to authorize the President and Secretary of the Caledonia Utility District to execute the Development Agreement for Prairie Pathways Phase 5. Seconded by Trustee Wishau. **Motion carried 5-0.**

b. Discuss options for reducing utility bill costs

Director Bunkelman shared the research that was done by himself and Assistant Clerk Metzinger. It appears that some savings could be realized, but there would need to be a purchase of an envelope sorter/stuffer. In addition, the Commission would like to see a note be placed on the bill for emailing bills to residents. This would reduce the number of bills to be mailed. It was suggested to run a test with employees.

9 – Adjournment

Upon a motion by Commissioner Kaplan and seconded by Trustee Wishau, the Commission moved to adjourn the regular meeting at 6:27 pm. **Motion carried 5-0.**

Respectively submitted, Anthony A. Bunkelman P.E.



City of Racine

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

Meeting Agenda Waterworks Commission

Wednesday, February 19, 2025 5:15 PM City Hall, Room 303

ROLL CALL

<u>0140-25</u> **Subject:** Approval of Minutes for the January 15, 2025, Waterworks

Commission Meeting

Staff Recommendation: To Approve

Fiscal Note: N/A

<u>Attachments:</u> 20250115 water minutes

<u>0141-25</u> **Subject:** Communication from the Utility Director Regarding the US EPA

Inspection

Staff Recommendation: To Receive and File

Fiscal Note: N/A

0142-25 Subject: Consideration of Bid Opening Results for Contract W-25-2, 2025

Water Main Replacement - Phase 1

Staff Recommendation: To Approve

Fiscal Note: \$952,275 dollars from the 4.7 million approved from the CIP

budget for old water main replacement.

<u>Attachments:</u> w-25-2 bid opening memo to comsrs

<u>0144-25</u> **Subject:** Consideration of Bid Opening Results for Contract W-25-3, 2025

Water Main Replacement - Phase 2

Staff Recommendation: To Approve

Fiscal Note: \$1,248,180 from the 4.7 million approved from the CIP

budget for old water main replacement.

<u>Attachments:</u> w-25-3 bid opening memo to comsrs

<u>0145-25</u> **Subject:** Consideration and Possible Action for Hiring a Legal Counsel to

Advise the Waterworks Commission

Staff Recommendation: To Receive and File

Fiscal Note: N/A

Adjournment

If you are disabled and have accessibility needs or need information interpreted for you, please contact the Water Utility Administration Office at 262.636.9181, at least 48 hours prior to this meeting.

A zoom link is available by request and with approval from the Commission President to participate in the meeting virtually. Please send inquiries to Jaclyn.bosanec@cityofracine.org.



City of Racine

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

Meeting Minutes - Draft

Waterworks Commission

Wednesday, January 15, 2025

6:00 PM

City Hall, Room 303

The meeting was called to order by Commission President Jorgenson at 6:49 p.m.

ROLL CALL

Let the record show that Commissioner Sullivan was voting in the absence of Commissioner Mason.

PRESENT: 5 - John Tate II, Natalia Taft, Stacy Sheppard, Jens Jorgenson and Jim Sullivan

EXCUSED: 3 - Cory Mason, Terry McCarthy and Mollie Jones

0047-25 Subject: Approval of Minutes for the November 20, 2024, Waterworks

Commission Meeting

Staff Recommendation: To Approve

Fiscal Note: N/A

A motion was made by Vice President Taft, seconded by President Tate II, that

this file be Approved.

0048-25 Subject: Communication Sponsored by Alder McCarthy, on behalf of the

> Waterworks Commission, requesting approval of a Developer's Agreement for the Settlement at Hood's Creek - Phase 5 (HPC2 LLC,

developer).

Recommendation of the Waterworks Commission on 01/15/2025:

To Approve with a Referral to the Finance & Personnel Committee.

Recommendation of the Finance and Personnel Committee on

01-27-2025: That the Developer's Agreement for the Settlement at

Hood's Creek - Phase 5 (HPC2 LLC, developer) be approved.

Fiscal Note: The developer pays all costs associated with the installation

of the local water main estimated at \$350,000.

The Executive Director of the Water Utility presented the Developer's Agreement for the Settlement at Hood's Creek - Phase 5, which consists of the installation of 1,500 L.F. of 12" water main extension to serve 24 lots, each having one single family home within the Village of Mount Pleasant. The anticipated water usage is 331.9 gal/acre/day. The 2004 Retail Water Agreement Sect. 5b provides that the water main be built to Utility specifications, and upon successful structural testing and receipt of as-built drawings, the water main would be dedicated as an asset for the Utility to maintain.

A motion was made by President Sullivan, seconded by Vice President Taft, that this file be Approved and Referred to the Finance and Personnel Committee.

0050-25

Subject: Proposal from raSmith for Construction-Related Services for the Hoods Creek - Phase 5 Water Main Improvements Project

Staff Recommendation: To Approve

Fiscal Note: The total cost of the proposal is \$52,200 paid by the developer.

The Executive Director of the Water Utility presented the proposal by raSmith for project management and construction inspection services.

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

<u>0051-25</u>

Subject: Request for Commissioners to Complete Online DNR trainings prior to April 30, 2025

Staff Recommendation: Refer to training modules located via the following link:

https://www.morainepark.edu/academics/continuing-education/licensure-and-certificates/water-utility-management-training/

(If the above link does not work when clicking directly on it, you may need to copy and paste into a new web browser window)

Fiscal Note: N/A

The Executive Director of the Water Utility presented information on training opportunities offered through the Wisconsin DNR Bureau for Drinking & Groundwater. These three online training courses are comprised of four learning modules designed to aid governing bodies in developing and maintaining technical, managerial, and financial (TMF) capacity of a water utility. Although participation is completely voluntary, if more than half of the Commissioners were to complete all four training modules, the Utility would obtain additional points towards the ranking system in the Priority Score based on PERF (Priority Evaluation & Ranking Formula). It would also aid in a lower interest rate and increased probability of Principal Forgiveness in LSLR and other SDWP loan applications.

A motion was made by Vice President Taft, seconded by Jorgenson, that this file be Received and Filed.

0052-25

Subject: Solicitation for Professional Services to Retain Legal Counsel to Advise the Waterworks Commission

Staff Recommendation: N/A

Fiscal Note: N/A

The Executive Director of the Water Utility presented an update on the progress to procure legal counsel to advise the Waterworks Commission based on the following proposed scope: (i) Interpreting 2004 and 2018 Intergovernmental Agreement Between City of Racine, Racine Water Utility and Village of Mount Pleasant (ii) Review new developer's requests, REC fee structure etc. and advise accordingly. City Attorney Letteney has suggested two potential individuals with the firm, Boardman & Clark, who already have background knowledge and experience in working with the City as well as interest and availability. Further discussion ensued amongst the Commissioners about the possibility of broadening the search outside the state.

A motion was made by Vice President Taft, seconded by President Tate II, that this file be Approved with the direction for Commission President Jorgenson, Executive Director Islam, and City Attorney Letteney to move forward with choosing a potential legal counsel candidate(s) to bring before the Commission.

Adjournment

There being no further business to address, the meeting was adjourned at 7:03 p.m.

City of Racine Page 3



City of Racine

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

Meeting Agenda Wastewater Commission

Wednesday, February 19, 2025 5:00 PM City Hall, Room 303

ROLL CALL

<u>0128-25</u> **Subject:** Approval of Minutes for the January 15, 2025, Wastewater

Commission Meeting

Staff Recommendation: To Approve

Fiscal Note: N/A

<u>Attachments:</u> 20250115 ww minutes

<u>0129-25</u> **Subject:** Consideration of 2025 Hauler Rates

Staff Recommendation: To Approve

Fiscal Note: N/A

<u>Attachments:</u> hauled waste rates 2025 proposed

<u>0130-25</u> **Subject:** Request by the Village of Mount Pleasant for a Sanitary Sewer

Extension for Carrington Blvd. South

Staff Recommendation: To Approve

Fiscal Note: N/A

<u>Attachments:</u> ss ext req mp carrington blvd south

<u>0131-25</u> **Subject:** Request by the Village of Mount Pleasant for a Sanitary Sewer

Extension for Hood's Creek Addition #5

Staff Recommendation: To Approve

Fiscal Note: N/A

Attachments: ss ext req_hood's creek add#5_mp

<u>0132-25</u> **Subject:** Consideration of Change Order No. 2 - Contract B-22, UV

Upgrades - Lee Mechanical (contractor)

Staff Recommendation: To Approve

Fiscal Note: Contract change results in an increase of \$42,512.00,

bringing the total contract amount to \$11,984,177.85.

Attachments: co#2 B-22 Itr to commsrs

0133-25 Subject: Request for Final Payment on Contract C-23, Johnson Park Lift

Station - August Winter & Sons, Inc. (contractor)

Staff Recommendation: To Approve

Fiscal Note: Contract C-23 is complete at a final cost of \$257,600.00.

<u>Attachments:</u> C-23 final pmt ltr request to commsrs

CLOSED SESSION

It is intended that the Wastewater Commission will convene in Closed Session pursuant to Wisconsin Statutes Section 19.85(1)(e), to address matters that, for competitive or bargaining reasons, require a closed session, and which, if publicly noticed, would compromise such negotiation, and bargaining strategy.

<u>0134-25</u> **Subject:** Communication sponsored by Commissioner McCarthy

requesting that the Wastewater Commission meet regarding bargaining and development opportunities which, for competitive and bargaining

reasons, require a Closed Session

Staff Recommendation: To Receive and File

Fiscal Note: N/A

OPEN SESSION

The Wastewater Commission will return to Open Session, and may take action on any item discussed in Closed Session.

Adjournment

If you are disabled and have accessibility needs or need information interpreted for you, please contact the Wastewater Utility Administration Office at 262.636.9181, at least 48 hours prior to this meeting.

A zoom link is available by request, and with approval from the Commission President to participate in the meeting virtually. Please send inquiries to jaclyn.bosanec@cityofracine.org.

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Feb 27, 2025 03:37PM

				Report dates. 9/1/2024-2/2//202	20		Feb 27, 2020 03.37F
FUND	Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount	GL Account and Title
ACH - WE ENERGIES							
Water Utility Fund	380	ACH - WE ENERGIES	5350770041	GAS & ELECTRIC 12/30/2024-1/	02/03/2025	3,149.37	500-00-64140 Utilities
Sewer Utility Fund	380	ACH - WE ENERGIES	5350770041	GAS & ELECTRIC 12/30/2024-1/	02/03/2025	,	501-00-64140 Utilities
Storm Water Utility Fund	380	ACH - WE ENERGIES	5350770041	GAS & ELECTRIC 12/30/2024-1/	02/03/2025	276.81	502-00-64140 Utilities
Total ACH - WE ENI	ERGIES:					16,191.72	
AMERICAN LEAK DETEC	CTION						
Water Utility Fund	79	AMERICAN LEAK DETECTION	00317420	MAIN SERVICE LEAK DETECTI	08/09/2024	485.00	500-00-64270 Infrastructure Maintenance
Water Utility Fund	79	AMERICAN LEAK DETECTION	00394427	LEAK DETECTION WATER MAIN	12/11/2024	485.00	500-00-64270 Infrastructure Maintenance
Total AMERICAN LE	EAK DETEC	CTION:				970.00	
AMERICAN WATER WOF	RKS						
Water Utility Fund	80	AMERICAN WATER WORKS	SO202257	MEMBERSHIP 2-1-25 TO 1-31-26	11/26/2024	288.00	500-00-51320 Memberships/Dues
Total AMERICAN W	ATER WOR	RKS:				288.00	
BUY RIGHT, INC.							
Water Utility Fund	273	BUY RIGHT, INC.	14873-457942	WIRE WHEEL, WIRE BRUSH, &	02/12/2025	110.47	500-00-64070 Work Supplies
Sewer Utility Fund	273	BUY RIGHT, INC.	14873-457942	WIRE WHEEL, WIRE BRUSH, &	02/12/2025	110.46	501-00-64070 Work Supplies
Water Utility Fund	273	BUY RIGHT, INC.	14873-458348	HI COUNT LED & RAGS	02/19/2025	4.72	500-00-63300 Vehicle Repairs & Maintenance
Sewer Utility Fund	273	BUY RIGHT, INC.	14873-458348	HI COUNT LED & RAGS	02/19/2025	4.72	501-00-63300 Vehicle Repairs & Maintenance
Water Utility Fund	273	BUY RIGHT, INC.	14873-458348	HI COUNT LED & RAGS	02/19/2025	7.75	500-00-64070 Work Supplies
Sewer Utility Fund		BUY RIGHT, INC.	14873-458348	HI COUNT LED & RAGS	02/19/2025		501-00-64070 Work Supplies
Sewer Utility Fund		BUY RIGHT, INC.	14873-458399	AIR FILTER	02/20/2025		501-00-64250 Equipment Repairs & Maintenanc
Water Utility Fund		BUY RIGHT, INC.	14873-458410	HI COUNT LED - RETURN	02/20/2025		2 500-00-63300 Vehicle Repairs & Maintenance
Sewer Utility Fund	273	BUY RIGHT, INC.	14873-458410	HI COUNT LED - RETURN	02/20/2025	-4.72	2 501-00-63300 Vehicle Repairs & Maintenance
Total BUY RIGHT, II	NC.:					241.77	
CORE & MAIN LP							
Water Utility Fund	405	CORE & MAIN LP	W384407	REP CLP & CORP STOP	01/31/2025	1,076.85	500-00-64270 Infrastructure Maintenance
Water Utility Fund	405	CORE & MAIN LP	W457219	PE TUBE BLUE, CORP STOP, R	02/17/2025	2,357.82	500-00-64270 Infrastructure Maintenance
Total CORE & MAIN	I LP:					3,434.67	
D.W. DAVIES & CO							
Water Utility Fund	437	D.W. DAVIES & CO	4005752	CREDIT MEMO ; DRUM RETUR	11/12/2024	-9.00	500-00-64260 Grounds Repairs & Maintenance
Sewer Utility Fund	437	D.W. DAVIES & CO	4005752	CREDIT MEMO ; DRUM RETUR	11/12/2024	-9.00	50 501-00-64260 Grounds Repairs & Maintenance

				Report dates: 9/1/2024-2/27/202	5		Feb 27, 2025 03:37PM
FUND	Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount	GL Account and Title
Total D.W. DAVIES	& CO:					-18.00	
DORNER COMPANY							
Water Utility Fund	551	DORNER COMPANY	514449	DEZURIK POWERAC REPAIR KI	02/19/2025	1,826.00	500-00-64250 Equipment Repairs & Maintenanc
Total DORNER CO	MPANY:					1,826.00	
FOTH INFRASTRUCTUR	RE & ENVIRO), LLC					
Sewer Utility Fund	666	FOTH INFRASTRUCTURE & EN	95181	JAN-25; TID 5 CENTRAL LIFT ST	02/20/2025	41,399.75	501-18737-000 CIP-Central Attenuation Basin
Water Utility Fund	666	FOTH INFRASTRUCTURE & EN	95189	JAN-25; SUNDANCE HEIGHTS	02/20/2025	5,452.17	500-18738-107 CIP - SUNDANCE HEIGHTS
Sewer Utility Fund	666	FOTH INFRASTRUCTURE & EN	95193	JAN-25; 3241 STH 31 SEWER A	02/20/2025	20,912.30	501-00-61340 Engineering Design Charges
Water Utility Fund	666	FOTH INFRASTRUCTURE & EN	95196	JAN-25; CHESTER LANE UTILIT	02/20/2025	949.75	500-00-61340 Engineering Design Charges
Sewer Utility Fund	666	FOTH INFRASTRUCTURE & EN	95196	JAN-25; CHESTER LANE UTILIT	02/20/2025	949.75	501-00-61340 Engineering Design Charges
Water Utility Fund	666	FOTH INFRASTRUCTURE & EN	95198	JAN-25; CALEDONIA GENERAL	02/20/2025	663.00	500-00-61340 Engineering Design Charges
Sewer Utility Fund	666	FOTH INFRASTRUCTURE & EN	95198	JAN-25: CALEDONIA GENERAL	02/20/2025	1,365.00	501-00-61340 Engineering Design Charges
Total FOTH INFRAS	STRUCTURE	& ENVIRO, LLC:				71,691.72	
G & F EXCAVATING							
Water Utility Fund	687	G & F EXCAVATING	36285	REPAIR WATER MAIN VALVE @	01/29/2025	12,007.50	500-00-64270 Infrastructure Maintenance
Water Utility Fund	687	G & F EXCAVATING	36286	WATER MAIN BREAK @ 6925 WI	01/30/2025	2,890.00	500-00-64270 Infrastructure Maintenance
Water Utility Fund	687	G & F EXCAVATING	36287	REPAIR WATER MAIN BREAK @	01/31/2025	3,708.75	500-00-64270 Infrastructure Maintenance
Water Utility Fund	687	G & F EXCAVATING	36294	6719 BOBLINK LEAK	02/06/2025	4,831.25	500-00-64270 Infrastructure Maintenance
Water Utility Fund	687	G & F EXCAVATING	36297	REPAIR WATER MAIN BREAK @	02/11/2025	5,097.00	500-00-64270 Infrastructure Maintenance
Water Utility Fund	687	G & F EXCAVATING	36301	PULL NEW WATER SERVICE UN	02/13/2025	12,705.00	500-00-64270 Infrastructure Maintenance
Total G & F EXCAV	ATING:					41,239.50	
KORTENDICK HARDWA	RE						
Water Utility Fund	1096	KORTENDICK HARDWARE	170134	HOOK TOOL, BATTERIES, HAN	01/28/2025	36.32	500-00-64070 Work Supplies
Sewer Utility Fund	1096	KORTENDICK HARDWARE	170134	HOOK TOOL, BATTERIES, HAN	01/28/2025	36.32	501-00-64070 Work Supplies
Water Utility Fund	1096	KORTENDICK HARDWARE	170286	THREAD SEAL, GLASS SCRAPE	02/06/2025	20.29	500-00-64070 Work Supplies
Nater Utility Fund	1096	KORTENDICK HARDWARE	170342	PIPE WRENCH, TOILET REPAIR	02/10/2025	35.53	500-00-64070 Work Supplies
Sewer Utility Fund	1096	KORTENDICK HARDWARE	170342	PIPE WRENCH, TOILET REPAIR	02/10/2025	35.53	501-00-64070 Work Supplies
Nater Utility Fund	1096	KORTENDICK HARDWARE	170342	PIPE WRENCH, TOILET REPAIR	02/10/2025	27.88	500-00-64240 Building Repairs & Maintenance
Sewer Utility Fund	1096	KORTENDICK HARDWARE	170342	PIPE WRENCH, TOILET REPAIR	02/10/2025	27.89	501-00-64240 Building Repairs & Maintenance
Vater Utility Fund	1096	KORTENDICK HARDWARE	170386	SPLYFCT	02/12/2025	7.19	500-00-64070 Work Supplies
Sewer Utility Fund	1096	KORTENDICK HARDWARE	170386	SPLYFCT	02/12/2025	7.19	501-00-64070 Work Supplies
Water Utility Fund	1096	KORTENDICK HARDWARE	170452	MISC FASTENERS, FLP DISCS,	02/17/2025	33.89	500-00-64070 Work Supplies

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FUND	Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount	GL Account and Title
sewer Utility Fund	1096	KORTENDICK HARDWARE	170452	MISC FASTENERS, FLP DISCS,	02/17/2025	33.88	501-00-64070 Work Supplies
Vater Utility Fund	1096	KORTENDICK HARDWARE	170467	STRING WHEEL WIRE, FLP DIS	02/17/2025	29.28	500-00-64070 Work Supplies
ewer Utility Fund	1096	KORTENDICK HARDWARE	170467	STRING WHEEL WIRE, FLP DIS	02/17/2025	29.28	501-00-64070 Work Supplies
Vater Utility Fund	1096	KORTENDICK HARDWARE	170515	THERMOSTAT, AIR FILTERS, &	02/20/2025	9.90	500-00-64240 Building Repairs & Maintenance
ewer Utility Fund	1096	KORTENDICK HARDWARE	170515	THERMOSTAT, AIR FILTERS, &	02/20/2025	9.89	501-00-64240 Building Repairs & Maintenance
Vater Utility Fund	1096	KORTENDICK HARDWARE	170515	THERMOSTAT, AIR FILTERS, &	02/20/2025	20.97	500-00-64250 Equipment Repairs & Maintenanc
ewer Utility Fund	1096	KORTENDICK HARDWARE	170515	THERMOSTAT, AIR FILTERS, &	02/20/2025	269.98	501-00-64250 Equipment Repairs & Maintenanc
Vater Utility Fund	1096	KORTENDICK HARDWARE	170527	CHECK VALVE, COUPLERS, AD	02/20/2025	15.09	500-00-64240 Building Repairs & Maintenance
ewer Utility Fund	1096	KORTENDICK HARDWARE	170527	CHECK VALVE, COUPLERS, AD	02/20/2025	15.09	501-00-64240 Building Repairs & Maintenance
Vater Utility Fund	1096	KORTENDICK HARDWARE	170566	STANDARD HEAT MANUAL	02/24/2025	12.15	500-00-64240 Building Repairs & Maintenance
ewer Utility Fund	1096	KORTENDICK HARDWARE	170566	STANDARD HEAT MANUAL	02/24/2025	12.14	501-00-64240 Building Repairs & Maintenance
Vater Utility Fund	1096	KORTENDICK HARDWARE	170586	SCREEN ALUM, SPLICE, HEAT	02/25/2025	24.15	500-00-64250 Equipment Repairs & Maintenanc
Vater Utility Fund	1096	KORTENDICK HARDWARE	170586	SCREEN ALUM, SPLICE, HEAT	02/25/2025	11.49	500-00-64070 Work Supplies
ewer Utility Fund	1096	KORTENDICK HARDWARE	170586	SCREEN ALUM, SPLICE, HEAT	02/25/2025	11.49	501-00-64070 Work Supplies
Total KORTENDIC	(HARDWAR	E:				772.81	
RIETE GROUP							
Vater Utility Fund	1098	KRIETE GROUP	X103078876:0	BATTERY & CORE CHARGE	02/10/2025	159.74	500-00-63300 Vehicle Repairs & Maintenance
ewer Utility Fund	1098	KRIETE GROUP	X103078876:0	BATTERY & CORE CHARGE	02/10/2025	159.73	501-00-63300 Vehicle Repairs & Maintenance
Vater Utility Fund	1098	KRIETE GROUP	X103078888:0	CORE REFUND	02/10/2025	-48.75	500-00-63300 Vehicle Repairs & Maintenance
sewer Utility Fund	1098	KRIETE GROUP	X103078888:0	CORE REFUND	02/10/2025	-48.75	501-00-63300 Vehicle Repairs & Maintenance
Total KRIETE GRO	UP:					221.97	
EE MECHANICAL, INC.							
sewer Utility Fund	1159	LEE MECHANICAL, INC.	35863	COMPLETION OF SITES 1, 2, 4,	11/13/2024	19,000.00	501-00-64270 Infrastructure Maintenance
Total LEE MECHAN	IICAL, INC.:					19,000.00	
ESMAN INSTRUMENT	CO.						
sewer Utility Fund	1163	LESMAN INSTRUMENT CO.	PSI337785	CABLES, HANGERS, & CLAMPS	02/05/2025	2,555.96	501-00-64250 Equipment Repairs & Maintenanc
Total LESMAN INS	TRUMENT C	O.:				2,555.96	
IENARDS RACINE							
Vater Utility Fund	1281	MENARDS RACINE	1942	HAMMER DRILL BITS, CORNER	02/06/2025	32.72	500-00-64070 Work Supplies
ewer Utility Fund	1281	MENARDS RACINE	1942	HAMMER DRILL BITS, CORNER	02/06/2025	32.72	501-00-64070 Work Supplies
Vater Utility Fund	1281	MENARDS RACINE	2279	FOAM BRUSHES, ROLLERS	02/12/2025	28.20	500-00-64070 Work Supplies
		MENARDS RACINE	2279	FOAM BRUSHES, ROLLERS	02/12/2025		501-00-64070 Work Supplies

Total OAK CREEK WATER & SEWER UTILITY:

Page: 4

365.00

					-		,
FUND	Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount	GL Account and Title
ACINE WATER & WAST	EWATER UT	TILITIES					
Vater Utility Fund		RACINE WATER & WASTEWATE		Q4-2024; BAC-T SAMPLES	01/29/2025		500-00-62560 Water Sampling and Testing
Sewer Utility Fund	1574	RACINE WATER & WASTEWATE	WWINV-09845	QTRLY SEWER CHARGE 4TH Q	02/14/2025	480,598.98	501-00-62550 Sewer Treatment Charges
Total RACINE WATE	R & WASTE	EWATER UTILITIES:				482,008.98	
HERWIN INDUSTRIES							
Vater Utility Fund	1795	SHERWIN INDUSTRIES	SC053433	FIBER MIX BULK	01/29/2025	960.48	500-00-64270 Infrastructure Maintenance
Vater Utility Fund	1795	SHERWIN INDUSTRIES	SC053460	FIBER MIX BULK	01/31/2025	461.10	500-00-64270 Infrastructure Maintenance
ater Utility Fund	1795	SHERWIN INDUSTRIES	SC053521	FIBER BULK MIX	02/18/2025	1,007.46	500-00-64270 Infrastructure Maintenance
Total SHERWIN IND	USTRIES:					2,429.04	
TARNET TECHNOLOGIE	ES						
torm Water Utility Fund	1855	STARNET TECHNOLOGIES	029516	TRASNPONDER & TRANSPOND	02/14/2025	416.95	502-00-64250 Equipment Repairs & Maintenanc
Total STARNET TEC	HNOLOGIE	S:				416.95	
OTAL ENERGY SYSTEM	IS LLC						
ewer Utility Fund	1999	TOTAL ENERGY SYSTEMS LLC	INV134318	GENERATOR MAINTENANCE; H	01/31/2025	1,650.00	501-00-64250 Equipment Repairs & Maintenanc
ewer Utility Fund	1999	TOTAL ENERGY SYSTEMS LLC	INV134321	GENERATOR MAINTENANCE; H	01/31/2025	1,570.00	501-00-64250 Equipment Repairs & Maintenanc
ewer Utility Fund	1999	TOTAL ENERGY SYSTEMS LLC	INV134347	GENERATOR MAINTENANCE; D	01/31/2025	1,130.00	501-00-64250 Equipment Repairs & Maintenanc
ewer Utility Fund	1999	TOTAL ENERGY SYSTEMS LLC	INV134353	GENERATOR MAINTENANCE; C	01/31/2025		501-00-64250 Equipment Repairs & Maintenanc
ewer Utility Fund	1999	TOTAL ENERGY SYSTEMS LLC	INV134440	GENERATOR MAINTENANCE; R	02/03/2025	1,885.00	501-00-64250 Equipment Repairs & Maintenanc
ewer Utility Fund	1999	TOTAL ENERGY SYSTEMS LLC	INV134448	GENERATOR MAINTENANCE; C	02/03/2025	1,620.00	501-00-64250 Equipment Repairs & Maintenanc
ewer Utility Fund	1999	TOTAL ENERGY SYSTEMS LLC	INV134454	GENERATOR MAINTENANCE C	02/03/2025	2,120.00	501-00-64250 Equipment Repairs & Maintenanc
ewer Utility Fund	1999	TOTAL ENERGY SYSTEMS LLC	INV134455	K & V LIFT STATION GENERATO	02/03/2025	3,425.00	501-00-64250 Equipment Repairs & Maintenanc
TOTAL ENERGY SY	STEMS LLC	: :				14,585.00	
Grand Totals:						664,310.61	

PAYMENT TOTALS BY FUND						
Sewer Utility Fund	\$	595,338.86				
Storm Water Utility Fund	\$	693.76				
Water Utility Fund	\$	68,277.99				
TOTAL	\$	664,310.61				

Sundance Heights Watermain Replacement

Water & Storm Water

Contractor	A.V	A.W. Oakes				
Original Contract Pending Change Order	\$ \$	1,419,738.90 28,262.90	1.99%			
Current Contract	\$	1,448,001.80	1.99%			
Pay Request #1 Retainage Pay Request #2 Retainage Pay Request #3 Pay Request #4	\$ \$ \$ \$ \$	648,301.38 34,121.13 318,207.15 1,372.34 358,071.90 87,927.90				
Remaining on Contract (Including Retainage)	\$	35,493.47	2.5%			
Design Engineering	\$	110,525.21	7.78%			
Construction Services through 2/7/2025	\$	180,348.69	12.70%			
Total Project Cost	\$	1,738,875.70				

TID #4 Phase 4 Sanitary Sewer & Watermain Extensions

Sewer & Water

Contractor	Dorner Inc				
Original Contract	\$	2,688,687.40			
Change Order #1	\$	10,446.43	0.39%		
Change Order #2	\$ \$	184,935.90	6.88%		
Change Order #3	\$	12,697.50	0.47%		
Current Contract	\$	2,896,767.23	7.74%		
Pay Request #1	\$	104,131.87			
Retainage	\$	5,480.63			
Pay Request #2	\$ \$	1,612,233.37			
Retainage	\$	66,621.11			
Pay Request #3	\$ \$	640,624.29			
Retainage	\$	317.44			
Pay Request #4	\$	153,688.25			
Pay Request #5	\$	82,170.87			
Remaining on Contract	\$	303,918.58	10.5%		
(Including Retainage)					
Design Engineering	\$	289,813.37	10.78%		
Construction Services through 2/7/2025	\$	179,409.74	6.67%		
Total Project Cost	\$	3,365,990.34			

Adams Road Tower & Watermain

Water

Contractor	Landmark Structures I L.P.					
Original Contract	\$	6,439,000.00				
Current Contract	\$	6,439,000.00	0.00%			
Pay Request #1 Retainage	\$ \$	189,145.00 9,955.00				
Remaining on Contract (Including Retainage)	\$	6,249,855.00	97.1%			
Design Engineering	\$	403,115.61	6.26%			
Construction Services			0.00%			
Total Project Cost	\$	6,842,115.61				

CALEDONIA UTILITY DISTRICT PROJECT SUMMARY WORKSHEET

Riverbend Drive Lift Station Safety Site & Forcemain Upgrade

• Currently reviewing Draft Facility Plan.

Annual Televising Program – Sanitary Sewer

• Cleaning for 2025 will begin in Spring.

Central Lift Station Safety Site & Attenuation Basin

• Design of the Basin continues.

TID #4 Elevated Storage Tank & Adams Road Watermain

- PSC approval received on February 11.
- Watermain contractor looking to mobilize on March 3. Residents have been notified of the project with hand delivered letters.
- Tower Contractor will be providing construction plans in the next few months.

Western Village / Sundance Heights Watermain

• Contractor has minor work to be completed in Spring. Have started a punchlist of issues and complaints on restoration.

TID #4 Phase 4 Sanitary Sewer & Watermain Extension Project

• Contractor will be working on restoration in Spring. Have started a punchlist for items to be performed.

CALEDONIA UTILITY DISTRICT STORM WATER PROJECTS PROJECT SUMMARY WORKSHEET

Hoods Creek – Aldebaran Brushing Project

• Interest has been shared with the Village to extend project to the North in 2025.

Turtle Creek Restoration

- Southern Wisconsin Appraisal meeting with owners to discuss easements.
- Looking to set up a meeting in the Spring with an Arborist to spray the Klema Ditch to prevent future tree growth.

4 Mile Road Tile (Club View Subdivision to Erie Street)

• Received asbuilt information from NMB. Will be looking to televise some additional areas of the tile.

MEMORANDUM

DATE: Thursday, February 27, 2025

TO: Caledonia Utility District

FROM: Anthony A. Bunkelman P.E.

Public Services Director

RE: Storm Water Management Plan – 5140 Highway H – Grabowski

BACKGROUND INFORMATION

Kevin C. Lewis P.E. of IG Consulting, Inc. has prepared a Storm Water Management Plan for a new single-family home located at 5140 Highway H. This property was part of CSM #3502 which required storm water management to be provided at the time of Building Permit.

authory Bunkelnar

This site falls under Base Storm Water Regulations. Base Storm Water Regulations are that the 100 yr. post development peak runoff must be reduced to or below the 10 yr. predevelopment peak runoff and the 10 yr. post development peak runoff must be reduced to or below the 2 yr. predevelopment peak runoff. The site must also achieve 80% Total Suspended Solids removal.

The Storm Water Management Plan meets the Ordinance by meeting the required reductions in peak flow (6.96 cfs peak 100 vs 7.54 cfs peak 10 & 3.03 cfs peak 10 vs 3.04 cfs peak 2) and the required TSS removal (80.57% TSS vs 80% TSS).

The Storm Water Management Plan and the Site Construction Plans have been reviewed by the Public Services Director and the Village Engineer. It is recommended that the Storm Water Management Plan and Site Construction Plan are conditionally approved at the March 5, 2025 Commission Meeting.

RECOMMENDATION

Move to conditionally approve the Storm Water Management Plan and Site Construction Plan for 5140 Highway H subject to the following:

- 1) The Owner executes a Storm Water Pond Easement prior to obtaining Occupancy for the home.
- 2) The Owner posts a \$10,000 financial guarantee to ensure that the Storm Water Pond is constructed, asbuilted, and certified by the Design Engineer. The Storm Water Pond shall be constructed in accordance with the approved plans.
- 3) The applicant obtains all necessary permits from the Village, County and State as necessary prior to performing the project.

GRABOWSKI RESIDENCE

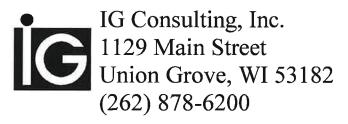
5140 COUNTY HIGHWAY H Caledonia, Wisconsin

STORMWATER CALCULATIONS

February 4, 2025 IG 21341



Prepared By:



Property Size: 5.81 Acres

Development Area Tributary to Detention Basin: 1.20 Acres

Undeveloped (undisturbed) Area Tributary to Detention Basin: 2.06 Acres

Developed Undetained Area: 0.46 Acres

Existing Offsite Area Tributary to the Detention Basin: 3.20 Acres

Undeveloped (undisturbed) Undetained Area: 2.09 Acres

Total Area Tributary to Basin, Including Developed Undetained Area: 6.92 Acres

Release Rates were calculated using Base Level Standards

100-Year post development peak runoff to at or below the 10-year predevelopment peak runoff 10-year post development peak runoff to at or below the 2-year predevelopment peak runoff CN values for predevelopment calculations use Table 2-2a from the TR-55 Manual

Runoff rates below are based on SCS TR-20, Type II, MSE-3, 24-hour Storm:

Release rates are calculated using the pre and post developed areas tributary to detention basin: 6.92 Ac.

100-Year:

Predeveloped: 20.81 cfs Post Developed: 21.79 cfs

10-Year:

Predeveloped: 8.73 cfs Post developed: 9.85 cfs

2-Year:

Predeveloped: 3.66 cfs Post developed: 4.62 cfs

Developed Undetained Area: 0.46 acres.

10-Year Developed Runoff: 1.19 cfs 2-Year Developed Runoff: 0.62 cfs

Total Allowable Release Rates for Developed Property:

10-Year: 8.73 – 1.19 = **7.54 cfs** 2- Year: 3.66 – 0.62 = **3.04 cfs**

Offsite Area Tributary to Proposed Detention Basin: 3.20 Acres will be captured and detained in the proposed detention basin and considered a swap for the remaining Undetained Undeveloped Property of 2.09 Ac.

Total Area tributary to the Proposed Detention Basin: 3.26 (onsite)+3.20 (offsite) = 6.46 Acres

2-stage restrictor in a catch basin will be constructed for the control structure.

10-Year restrictor: 10.10"

Release Rate: 3.03 cfs at 10-Year High Water level: 716.70 @ 0.268 AcFt.

100-Year Restrictor: 11.00"

Release Rate: 6.96 cfs at 100-Year High Water Level: 717.90 @ 0.639 AcFt.

SLAMM for Windows Version 10.3.402

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Data file name: G:\IG\21\21341\Eng\WinSLAMM\Revised 01-21-25\Revised Grabowski Property 1-22-25.mdb

Data file description:

Rain file name: C:\WinSLAMM Files\Rain Files\WI_Multi_rain\Milwaukee\WisReg - Milwaukee Five 1966-1970.ran

Particulate Solids Concentration file name: C:\WinSLAMM Files\v10.1 WI_AVG01.pscx

Runoff Coefficient file name: C:\WinSLAMM Files\WI_SL06 Dec06.rsvx

Residential Street Delivery file name: C:\WinSLAMM Files\WI_Res and Other Urban Dec06.std Institutional Street Delivery file name: C:\WinSLAMM Files\WI_Com Inst Indust Dec06.std Commercial Street Delivery file name: C:\WinSLAMM Files\WI_Com Inst Indust Dec06.std Industrial Street Delivery file name: C:\WinSLAMM Files\WI_Com Inst Indust Dec06.std Other Urban Street Delivery file name: C:\WinSLAMM Files\WI_Res and Other Urban Dec06.std

Freeway Street Delivery file name: C:\WinSLAMM Files\Freeway Dec06.std

Pollutant Relative Concentration file name: C:\WinSLAMM Files\WI_GE003.ppdx

Start of Winter Season: 12/02 End of Winter Season: 03/12

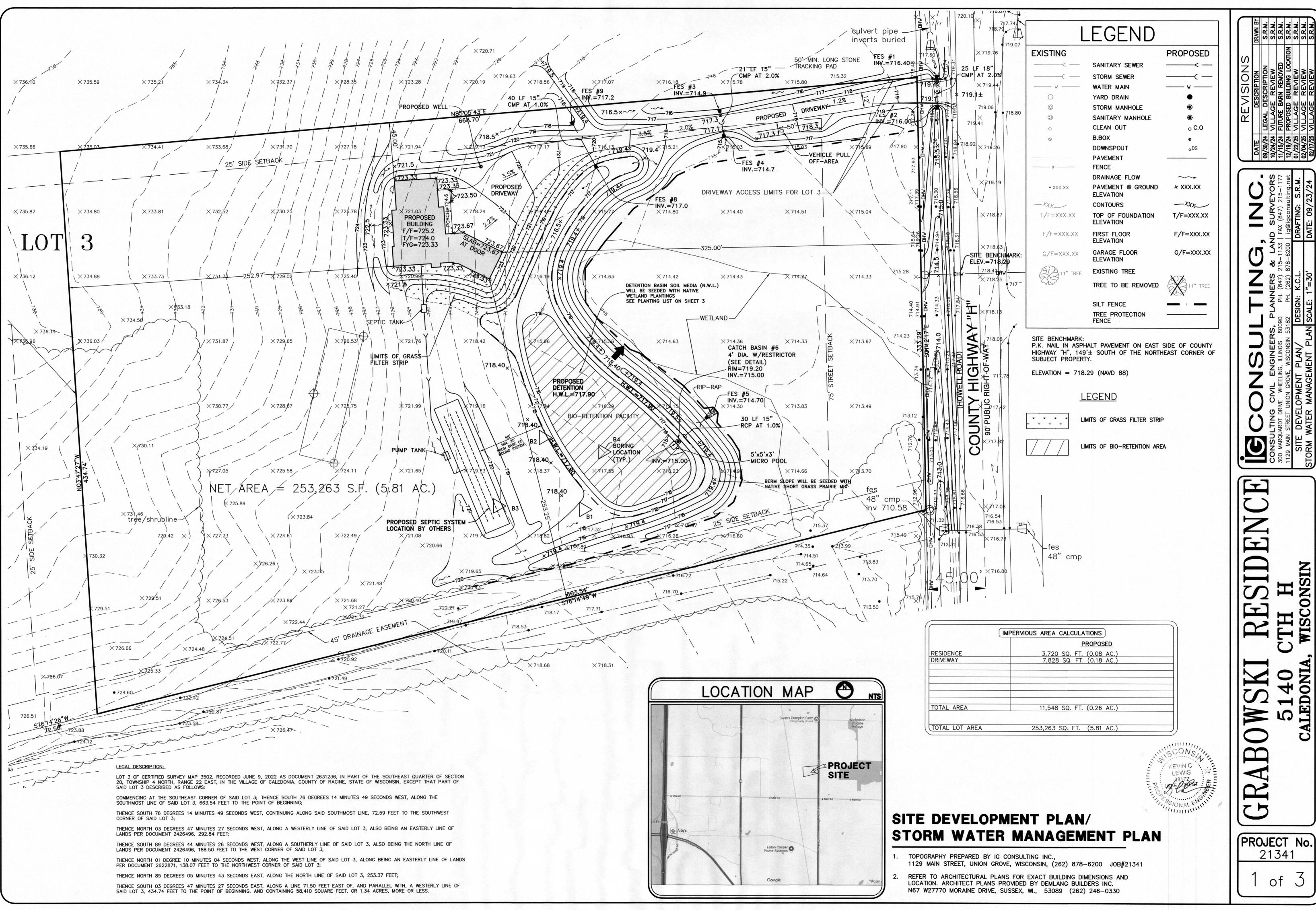
Model Run Start Date: 01/02/66 Model Run End Date: 12/29/70

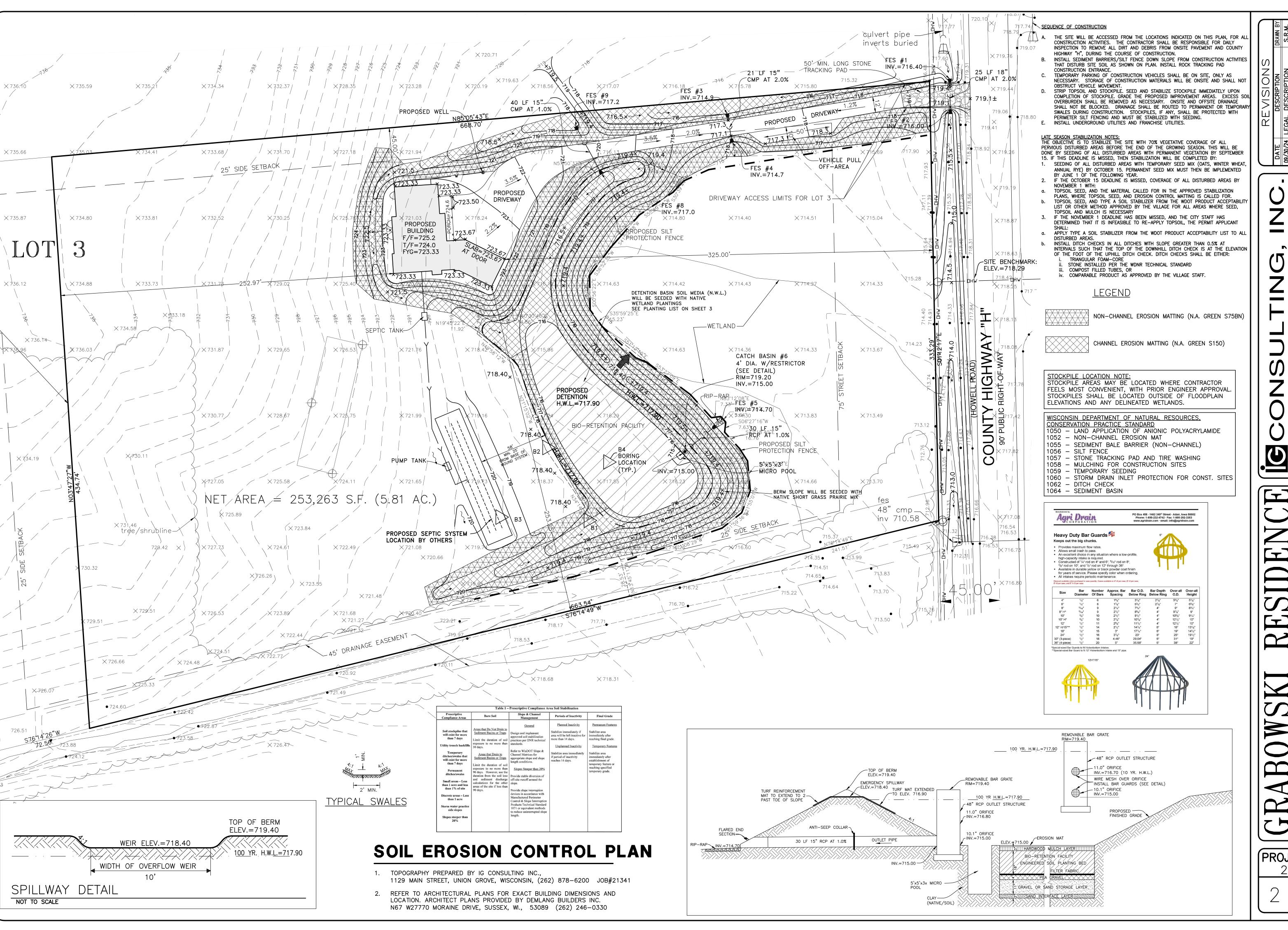
Date of run: 01-22-2025 Time of run: 10:18:33

Total Area Modeled (acres): 6.463

Years in Model Run: 4.99

	Runoff	Percent	Particulate	Particulate	Percent
	Volume	Runoff	Solids	Solids	Particulate
	(cu ft)	Volume	Conc.	Yield	Solids
		Reduction	(mg/L)	(lbs)	Reduction
Total of all Land Uses without Controls:	135555	_	51.02	431.7	_
Outfall Total with Controls:	130203	3.95%	10.32	83.88	80.57%
Annualized Total After Outfall Controls:	26083			16.80	





CONTROL

INO

PROJECT No. 21341

of

- CONTRACT DOCUMENTS AS REFERRED TO HEREIN INCLUDE THE CONSTRUCTION CONTRACT, PLANS, SPECIFICATIONS, APPROVED SHOP DRAWINGS, CHANGE ORDERS, AND ANY OTHER DOCUMENTS IDENTIFIED IN THE AGREEMENT BETWEEN OWNER AND
- UNLESS MODIFIED BY THE CONTRACT DOCUMENTS, ALL WORK PROPOSED HEREIN SHALL COMPLY WITH WISCONSIN DEPARTMENT OF NATURAL RESOURCES, WISCONSIN NRCS CONSTRUCTION SPECIFICATIONS, US ARMY CORPS OF ENGINEERS, AND THE
- THE FOREGOING SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS. STANDARDS. CONSTRUCTION PLANS. AND SUBSEQUENT DETAILS ARE ALL TO BE CONSIDERED AS PART OF THE CONTRACT. INCIDENTAL ITEMS OR ACCESSORIES NECESSARY TO COMPLETE THIS WORK MAY NOT BE SPECIFICALLY NOTED BUT ARE CONSIDERED A PART OF THIS CONTRACT.
- NO WORK MAY COMMENCE UNTIL ALL AGENCY, COUNTY AND MUNICIPAL PERMITS HAVE ISSUED.
- NO CONSTRUCTION PLANS SHALL BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY MARKED "FOR CONSTRUCTION". PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, HE MUST IMMEDIATELY REPORT SAME TO THE ENGINEER BEFORE DOING ANY WORK. OTHERWISE, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, STANDARDS, SPECIFICATIONS, AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION. THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE
- THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS, OR OTHER SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS. THE CONTRACTOR IS SOLELY RESPONSIBLE OR SAFETY ON THE JOB SITE. THE CONTRACTORS SHALL PLAN THEIR WORK BASED ON THEIR OWN BORINGS, EXPLORATIONS AND OBSERVATIONS TO DETERMINE SOIL CONDITIONS AT LOCATION OF THE PROPOSED WORK.
- NOTIFICATION OF COMMENCING CONSTRUCTION: A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE UTILITY COMPANIES LOCATE THEIR FACILITIES IN THE FIFI D PRIOR TO CONSTRUCTION AND SHALL ALSO BE RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THESE FACILITIES. THE ENGINEER DOES NOT WARRANT THE LOCATION OF ANY EXISTING UTILITIES SHOWN ON THE PLAN. THE CONTRACTOR SHALL CALL DIGGERS HOTLINE AT 811 OR 800-242-8511 SUFFICIENTLY IN ADVANCE OF COMMENCING WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER AND/OR HIS REPRESENTATIVE AND THE AFFECTED GOVERNMENTAL AGENCII3ES IN WRITING AT LEAST THREE FULL WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL NOTIFY ALL NECESSARY TESTING AGENCIES SUFFICIENTLY IN ADVANCE OF COMMENCING
- CONTRACTOR SHALL ARRANGE A PRECONSTRUCTION MEETING WITH REPRESENTATIVES OF APPLICABLE PERMITTING AGENCIES, COUNTY, MUNICIPALITY, LANDOWNERS, AND ENGINEER AT LEAST BUSINESS DAYS PRIOR TO COMMENCING CONSTRUCTION.
- ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE GUARANTEED AGAINST ALL DEFECTS IN MATERIALS AND WORKMANSHIP OF WHATEVER NATURE BY THE CONTRACTOR AND HIS SURETY FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK BY THE MUNICIPALITY, OTHER APPLICABLE GOVERNMENTAL AGENCIES, AND
- ALL WORK SHALL BE INSPECTED AND APPROVED BY THE OWNER OR HIS REPRESENTATIVE. FINAL PAYMENT WILL BE MADE AFTER ALL OF THE CONTRACTOR'S WORK HAS BEEN APPROVED AND ACCEPTED AND IN ACCORDANCE WITH THE CONTRACT
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS OR HIGHWAYS. HE SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. WHICH CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- TEMPORARY BENCHMARKS, LINE AND GRADE STAKES WILL BE SET BY CONTRACTOR AT HIS EXPENSE. IT SHALL BE RESPONSIBILITY OF CONTRACTOR TO PROTECT STAKES PROVIDED FOR HIS USE AND TO REPORT TO THE OWNER ANY SPECIFIC INSTANCES OF DESTROYED STAKES AND/OR MONUMENTS PROVIDED. LOT CORNER IRONS ARE TO BE SET AT OWNERS
- 14. THE PROPOSED ELEVATIONS AND DATUM SHOWN ON THE PLANS ARE FINISHED SURFACE ELEVATIONS, UNLESS OTHERWISE

SPECIFIED.

- CONTRACTOR SHALL KEEP ACCESS AVAILABLE AT ALL TIMES. AT NO TIME SHALL ACCESS BE DENIED TO HOMES SURROUNDING
- ANY EXISTING SIGNS, LIGHT STANDARDS, AND UTILITY POLES WHICH INTERFERE WITH CONSTRUCTION OPERATIONS AND NOT NOTED FOR DISPOSAL SHALL BE REMOVED AND RESET BY THE CONTRACTOR AT HIS OWN EXPENSE AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL NOT BE RESPONSIBLE IF OWNER HAS PREVIOUSLY ARRANGED FOR SUCH REMOVAL OR MODIFICATION AT OWNER'S EXPENSE. ANY DAMAGE TO THESE TEMS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN
- IF CALLED FOR TO BE REMOVED OFF-SITE, EARTH, PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC. SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS OWN EXPENSE AT LOCATIONS APPROVED BY THE ENGINEER. IF ON-SITE DISPOSAL IS NOT PROVIDING AN OFF-SITE DISPOSAL SITE AT HIS OWN EXPENSE, INCLUDING ANY PERMIT COSTS.
- ANY DISRUPTED DRAINS OR FIELD TILE ENCOUNTERED DURING CONSTRUCTION OPERATIONS SHALL BE RE-CONNECTED AS SOON AS PRACTICABLE. IF BROKEN. THEN IT SHALL BE REPAIRED WITH NEW PIPE OF SIMILAR SIZE AND MATERIAL TO THE ORIGINAL LINE AND PUT IN ACCEPTABLE OPERATING CONDITION. A RECORD OF THE LOCATION OF ALL FIELD TILE OR DRAIN PIPE ENCOUNTERED SHALL BE KEPT BY THE CONTRACTOR AND TRANSMITTED TO THE ENGINEER UPON COMPLETION OF THE PROJECT. THE COST OF THIS WORK SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES. DITCHES. ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED. SUCH LOOSE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY BY THE RESPONSIBLE PARTY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT DRAINAGE MAY BE ACHIEVED BY DITCHING, PUMPING, OR ANY OTHER ACCEPTABLE METHOD. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFIC CONTROL DEVICES, AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION. BARRICADES AND WARNING SIGNS, IF REQUIRED, SHALL BE PROVIDED IN ACCORDANCE WITH WISDOT STANDARDS AND

MATERIALS CREATED AS A RESULT THEREOF.

- WHERE OVERHANGING BRANCHES INTERFERE WITH OPERATIONS OF CONSTRUCTION, SAID BRANCHES SHALL BE TRIMMED AND SEALED. THE COST OF SAME SHALL BE INCIDENTAL TO THE CONTRACT. TREES SHALL BE REMOVED ONLY AFTER RECEIVING APPROVAL OF THE OWNER. THE OWNER SHALL DESIGNATE THOSE TREES, IF ANY, THAT ARE TO BE REMOVED. A CONTRACTOR REMOVING TREES WITHOUT OWNER'S APPROVAL WILL BE RESPONSIBLE FOR REPLACEMENT OF SAID TREE(S) AS DIRECTED BY THE OWNER AT CONTRACTOR'S EXPENSE. IF REES OF SHRUBS MUST BE REMOVED, SUCH REMOVAL WILL BE ARRANGED AND PAID BY OWNER.
- MOBILIZATION AND DEMOBILIZATION SHALL COMPLY WITH WISCONSIN CONSTRUCTION SPECIFICATION 7, NRCS-WISCONSIN

SECTION IV, TECHNICAL GUIDE, LATEST ED.

- CONTRACTOR SHALL PREPARE AND MAINTAIN ACCESS HAUL ROADS AND STAGING AREAS IN LOCATIONS AND IN THE MANNER DEPICTED ON THE PLANS.
 - THE CONTRACTOR SHALL COLLECT AND REMOVE ALL CONSTRUCTION DEBRIS, EXCESS MATERIALS, TRASH, OIL AND GREASE RESIDUE, MACHINERY, TOOLS AND OTHER MISCELLANEOUS ITEMS WHICH WERE NOT PRESENT PRIOR TO PROJECT COMMENCEMENT AT NO ADDITIONAL EXPENSE TO THE OWNER. BURNING ON THE SITE IS NOT PERMITTED.
- 25. ALL EXISTING UTILITIES OR IMPROVEMENTS INCLUDING WALKS, CURBS, PAVEMENTS, AND PARKWAYS DAMAGE OR REMOVED DURING CONSTRUCTION SHALL BE PROMPTLY RESTORED TO THEIR RESPECTIVE ORIGINAL CONDITION. ANY DEWATERING OF SEWER AND WATER TRENCHES, AS WELL AS
- TEMPORARY SHEETING OR BRACING THAT MAY BE REQUIRED, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL NOT BE CONSIDERED EXTRA WORK. IN THE EVENT THAT SOFT MATERIALS WITH UNCONFINED COMPRESSIVE STRENGTH LESS THAN 0.5 TSF ARE ENCOUNTERED, THE CONTRACTOR SHALL (UPON APPROVAL OF THE OWNER AND/OR ENGINEER) ÒVER-EXCAVATE AND BACKFILL IN A MANNER APPROVED BY
- THE CONTRACTOR SHALL PROVIDE ONE BLUELINE SET OF "RECORD DRAWINGS" TO THE ENGINEER PRIOR TO ANY REQUEST FOR FINAL INSPECTION. IF PROVIDED FOR IN THE CONSTRUCTION CONTRACT, SAID PLANS SHALL INDICATE THE FINAL LOCATION AND LAYOUT OF ALL IMPROVEMENTS, AND INCORPORATE ALL FIELD CHANGES APPROVED BY THE ENGINEER.
- CONTRACTOR SHALL VIDEOTAPE THE WORK AREA PRIOR TO AND AFTER CONSTRUCTION FOR THE PURPOSE OF DOCUMENTING EXISTING CONDITIONS AND THE COMPLETED WORK.
- 29. IT SHALL BE THE RESPONSIBILITY OF THE OWNER OR OTHERS DESIGNATED BY THE OWNER TO ARRANGE FOR PROTECTIVE FENCING AT THE CONSTRUCTION SITE. IG CONSULTING, INC SHALL NOT BE RESPONSIBLE FOR PROVIDING DESIGNS. SPECIFICATIONS, METHODS, SAFETY PRECAUTIONS, OF SEQUENCING OF CONSTRUCTION SITE FENCING OR BARRICADES.

SOIL EROSION CONTROL

- THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH WISCONSIN CONSTRUCTION SPECIFICATION 5, NRCS - WISCONSIN SECTION IV TECHNICAL GUIDE LATEST EDITION.
- ANY SOIL FROSION CONTROL MEASURES IN ADDITION TO THOSE OUTLINED IN THESE PLANS AND THESE CONSTRUCTION NOTES THAT ARE DEEMED NECESSARY BY THE OWNER, ENGINEER, AND MUNICIPAL ENGINEER SHALL BE IMPLEMENTED IMMEDIATELY BY THE CONTRACTOR.
- BEFORE COMMENCING CLEARING AND SITE GRADING WORK, AND F REQUIRED BY ENGINEER, A TRACKING PAD NEAR THE CONSTRUCTION ROAD SHALL BE INSTALLED AS SHOWN ON THE PLANS. ENTRANCE TO THE SITE SHALL BE STABILIZED WITH GRAVEL OR ASPHALTIC SURFACE AS SHOWN ON THE PLANS PRIOR TO ANY WORK ON THE SITE. THE ENTRANCE SHALL B MAINTAINED PERIODICALLY FOR ITS EFFECTIVENESS TO REMOVE DIRT WHICH COULD LEAVE THE SITE BY CONSTRUCTION VEHICLES. ALL ROADWAYS SHALL BE KEPT CLEAN AT ALL TIMES. CONSTRUCTION VEHICLES ARE LIMITED TO THE CONSTRUCTION ACCESS ROAD NOTED ON THE PLAN STONE
- STREETS ADJACENT TO THE SITE SHALL BE KEPT FREE OF DIRT,

TRACING PAD, WDNR #1057.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND MAINTENANCE OF ALL TEMPORARY AND PERMANENTS EROSION CONTROL DEVICES.
- THE CONTRACTOR SHALL INSPECT AND DOCUMENT EROSION CONTROL MEASURES ON A WEEKLY BASIS AND WITHIN 24 HOURS AFTER ANY RAINFALL EVENT IN EXCESS OF ONE-HALF
- NO SEDIMENT (SOLID OR LIQUID WASTE) SHALL BE ALLOWED TO ENTER THE EXISTING STORM SEWER SYSTEM OR DRAIN INTO THE LAKE OR OTHER SURFACE WATERS.
- SOIL STOCKPILES SHALL BE LOCATED TO AVOID EROSION OF SAID STOCKPILE ONTO OFF-SITE AREAS AND WATER BODIES. THE TEMPORARY EROSION CONTROL MEASURES SHALL BE PLACED PRIOR TO START OF CONSTRUCTION AND REMAIN IN PLACE UNTIL ALL THE PERMANENT EROSION CONTROL ITEMS ARE
- THE GUARANTEE PERIOD SHALL BEGIN AFTER ALL THE PERMANENT EROSION CONTROL MEASURES ARE FULLY FUNCTIONAL AND ACCEPTABLE TO OWNER OR HIS REPRESENTATIVE
- UNLESS SOIL EROSION CONTROL ITEMS ARE SPECIFICALLY REFERRED TO AS BID ITEMS (SUCH AS TOPSOIL RESPREAD, SEEDING, ETC.), THEY ARE TO BE CONSIDERED AS INCIDENTAL
- UPON COMPLETION OF TOPSOIL RESPREAD OPERATIONS, ALL DISTURBED AREAS SHALL BE SEEDED, SODDED, OR LANDSCAPED AS NOTED ON THE PLAN.
- SEEDING AND MULCHING SHALL BE IN ACCORDANCE WITH WDNR CONSERVATION STANDARDS 1052 1056, 1059 AND 1067. BARRIER PROTECTION SHALL BE PLACED AS SHOWN ON THE PLANS AND AT THE LIMITS OF SOIL DISTURBANCE FOR ALL UNDISTURBED WETLAND, FLOOD PLAIN, WATERS AND BUFFER AREA. THE BARRIER PROTECTION SHALL COMPLY WITH WDNR CONSERVATION PRACTICE STANDARD 1056.
- NO PORTION OF UPLAND AREAS WHICH HAVE BEEN ALTERED OR DISTURBED MAY REMAIN UNPROTECTED FOR MORE THAN 7 DAYS.
- SITE PREPARATION AND EARTHWORK. WORK UNDER THIS SECTION SHALL COMPLY WITH WISCONSIN CONSTRUCTION SPECIFICATIONS 1,2,3,3A, 8 AND 21, INCLUDE BUT NOT LIMITED TO THE FOLLOWING:
- CLEARING AND REMOVAL OF ALL UNDESIRABLE TREES AND OTHER VEGETATIVE GROWTH WITHIN THE CONSTRUCTION AREA. TREE REMOVAL SHALL BE AS DESIGNATED BY THE OWNER AND SHALL BE KEPT TO A MINIMUM. WHERE FEASIBLE AND WHEN PERMITTED BY THE OWNER AND BY THE LOCAL JURISDICTION. TREES AND BRUSH CAN BE CUT AND LEFT ON SITE IN DESIGNATED LOCATIONS, CHIPPED. IF ADEQUATE AND APPROPRIATE SPACE IS NOT AVAILABLE FOR ON-SITE DISPOSAL, THE TREES AND BRUSH SHALL BE DISPOSED OFF-SITE. NO BURNING SHALL BE PERMITTED ON-SITE. THE CONTRACTOR SHALL COMPLY WITH LOCAL TREE ORDINANCES. TREES AND SHRUBS DESIGNATED TO BE SAVED SHALL BE PROTECTED E PLACING HIGHLY VISIBLE CONSTRUCTION FENCING ALONG THE DRIP LINES. TREES DESIGNATED FOR RELOCATION AND/OR TEMPORARILY STORED FOR TRANSPLANTING SHALL BE PROTECTED IN THE SAME MANNER. WHERE REQUIRED BY OWNER. TRUNKS

OF DESIGNATED TREES SHALL BE PROTECTED WITH STRAPPED 2

X 6" PLANKING FROM THE BASE TO A HEIGHT OF EIGHT (8)

- B. STRIPPING OF TOPSOIL FROM DESIGNATED AREAS;
 - STOCKPILING OF TOPSOIL, EARTH, ROCK FILL, AND ARMOR STONE AT LOCATIONS AS DIRECTED BY THE OWNERS AND/OR ENGINEER. TOPSOIL STOCKPILED FOR FUTURE USE SHALL BE RELATIVELY FREE OF LARGE ROOTS, STICKS, WEEDS, BRUSH, STONES LARGER THAN ONE (1) INCH DIAMETER, OR OTHER LITTER AND WASTE PRODUCTS. FAILURE TO PROPERLY SEQUENCE THE STOCKPILING OPERATIONS SHALL NOT CONSTITUTE A CLAIM FOR ADDITIONAL COMPENSATION. NO MATERIAL SHALL BE STOCKPILED IN OVERLAND DRAINAGE SWALES; FLOOD ROUTING AREAS; WETLANDS OR UTILITY EASEMENTS;
- DEMOLITION AND REMOVAL OF STONE, ROCK AND DEBRIS INCLUDING OFF-SITE DISPOSAL OF SAME, AT A LEGAL DISPOSAL SITE SELECTED BY THE CONTRACTOR. ON-SITE DISPOSAL WILL ONLY BE ALLOWED IF EXPRESSLY APPROVED BY OWNER IN
- EXCAVATION AND GRADING OF THE OPEN SPACE AND/OR YARD AREAS PER PLAN. PLACEMENT AND COMPACTION OF CLAY TO STANDARDS AND DETAILS REQUIRED ON THE CONSTRUCTION PLANS TO THE DESIGN SUBGRADE FLEVATIONS. THE CONTRACTOR WILL NOTE THAT THE ELEVATIONS SHOWN ON THE CONSTRUCTION PLANS ARE FINISHED GRADE ELEVATIONS AND THAT PAVEMENT AND/OR TOPSOIL REPLACEMENT THICKNESS MUST BE SUBTRACTED TO DETERMINE SUBGRADE ELEVATIONS;
- PLACEMENT AND COMPACTION OF NON-STRUCTURAL FILLS; IF REQUIRED, REMOVAL FROM SITE AND DISPOSAL OF ANY EXCESS OR UNSUITABLE MATERIAL UPON COMPLETION OF
- MOVEMENT AND COMPACTION OF SPOIL MATERIAL; FINAL SHAPING AND TRIMMING TO THE LINES, GRADES, AND CROSS-SECTION SHOWN IN THESE PLANS, AND TOPSOIL PLACEMENT TO DESIGN FINISHED GRADE ELEVATIONS;

- SOIL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE APPLICABLE SPECIFICATIONS, UNLESS SPECIFICALLY EXCLUDED IN THE CONSTRUCTION CONTRACT
- THE QUANTITIES GIVEN IN THE BID FORM ARE INTENDED AS A GUIDE FOR THE CONTRACTOR IN DETERMINING THE SCOPE OF THE COMPLETED PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY DETERMINE ALL MATERIAL QUANTITIES AND APPRAISE HIMSELF ALL SITE CONDITIONS IF SO STIPULATED IN THE CONTRACT, THE CONTRACT PRICE SUBMITTED BY THE CONTRACTOR SHALL BE CONSIDERED AS LUMP SUM FOR THE COMPLETE PROJECT. NO CLAIMS FOR EXTRA WORK WILL BE RECOGNIZED UNLESS ORDERED IN WRITING BY THE OWNER.
- PRIOR TO ONSET OF MASS GRADING OPERATIONS AND IF INCLUDED IN THIS CONTRACT, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SOIL EROSION CONTROL SPECIFICATIONS. THE INITIAL ESTABLISHMENT OF EROSION CONTROL PROCEDURES AND THE PLACEMENT OF SILT FENCING, ETC. TO PROTECT ADJACENT PROPERTY AND DOWN SLOPE LANDS SHALL OCCUR BEFORE MASS GRADING BEGINS AND IN ACCORDANCE WITH THE SOIL EROSION CONTROL CONSTRUCTION SCHEDULE.
- THE GRADING AND CONSTRUCTION OF THE SITE IMPROVEMENTS SHALL NOT CAUSE PONDING OF STORM WATER. ALL AREAS ADJACENT TO THESE IMPROVEMENTS SHALL BE GRADED TO ALLOW POSITIVE DRAINAGE. EMBANKMENT FILL WITH NON-STRUCTURAL MATERIALS APPROVED
- NINETY (90) PERCENT OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM SPECIFICATION D-1557 (MODIFIED PROCTOR METHOD). THE SURFACE VEGETATION, TOPSOIL, AND ANY OBVIOUSLY SOFT UNDERLYING SOIL SHALL BE STRIPPED FROM ALL AREAS TO RECEIVE FILL. IF THE UNDERLYING SUBGRADE SOILS CANNOT BE

BY THE SOILS ENGINEER SHALL BE COMPACTED TO A MINIMUM OF

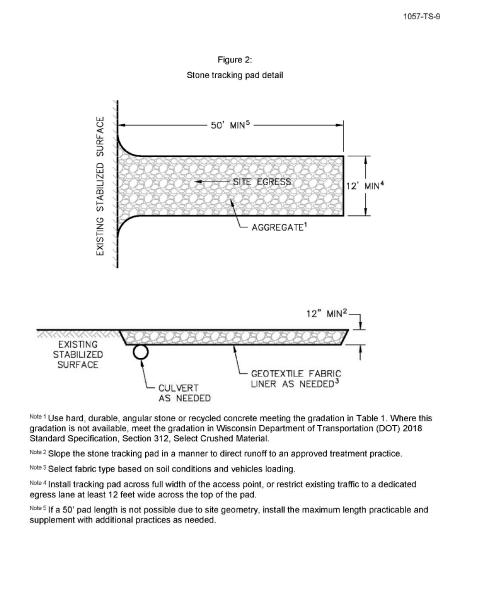
- ADEQUATELY COMPACTED, THE SOIL SHALL BE SCARIFIED, DRIED, AND RECOMPACTED AS DIRECTED BY THE ENGINEER. YARD/OPEN SPACE AREAS SHALL BE ROUGH-EXCAVATED OR FILLED BY THE CONTRACTOR TO PLUS OR MINUS SIX (6) INCHES OF
- 8. UPON COMPLETION OF THE SURFACE IMPROVEMENTS, CONTRACTOR SHALL RESPREAD A SIX (6) INCH LAYER OF TOPSOIL ON ALL DESIGNATED LANDSCAPE AREAS AND OTHER NON-STRUCTURAL AREAS PER PLAN.
- 9. RIP-RAP MATERIAL SHALL CONFORM TO WISCONSIN CONSTRUCTION 10. IF SHOWN ON THE PLANS, OPEN AREAS TO BE SEEDED SHALL BE SEEDED IN ACCORDANCE WITH THE SOIL EROSION CONTROL
- SPECIFICATIONS AND STANDARDS. 1. ALL EQUIPMENT USED FOR THE PROJECT SHALL BE DECONTAMINATED FOR INVASIVE AND EXOTIC SPECIES AND VIRUSES PRIOR TO MOBILIZATION AND USE, IN ACCORDANCE WITH WDNR
- 12. EQUIPMENT MUST BE PARKED ON UPLAND AREAS OVERNIGHT AND MAY NOT BE LEFT ON THE ON EMBANKMENTS AFTER WORKING
- 13. OPERATION ON EQUIPMENT IS NOT PERMITTED ON NEIGHBORING PROPERTIES WITHOUT EXPRESS PERMISSION OF THE LANDOWNERS.

VILLAGE OF CALEDONIA ENGINEERING STANDARDS

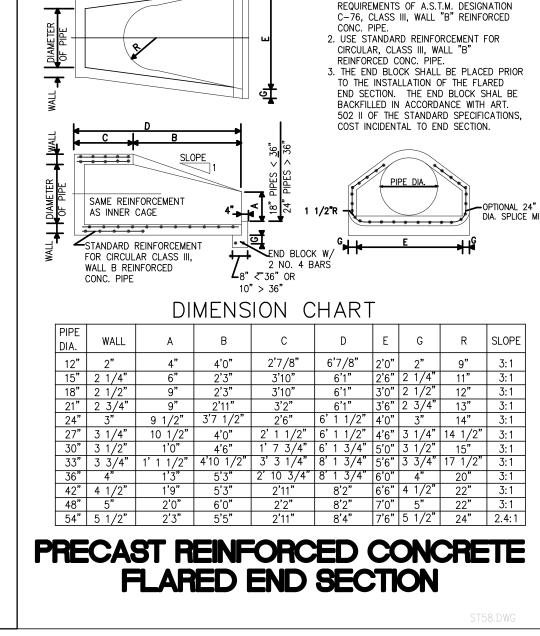
. DRIVEWAY THICKNESS. CONCRETE DRIVEWAYS SHALL BE A MINIMUM OF FIVE (5) INCHES THICK WITHIN THE ROAD RIGHT OF WAY. ASPHALT DRIVEWAYS SHALL BE A MINIMUM OF FOUR (4) INCHES THICK WITHIN THE ROAD RIGHT OF WAY. FORMS AND BASE SHÁLL BE INSPECTED AND APPROVED BY THI VILLAGE PRIOR TO PAVING. CONTRACTOR MUST ALLOW A MINIMUM OF 24 HOURS NOTICE FOR INSPECTIONS. 2. CULVERTS REQUIRED.

A CULVERT SHALL BE INSTALLED UNDER EACH DRIVEWAY UNLESS THE VILLAGE BOARD OR THE PUBLIC WORKS DIRECTOR SHALL HAVE DETERMINED THAT NO CULVERT IS REQUIRED TO ENSURE DRAINAGE AT THAT LOCATION. THE CULVERT SHALL BE OF CORRUGATED METAL OR PIPE MATERIAL APPROVED BY THE PUBLIC WORKS DIRECTOR AND SHALI BE INSTALLED PARALLEL TO THE HIGHWAY AND AT A LOCATION DESIGNATED BY THE PUBLIC WORKS DIRECTOR. SUCH CULVERT SHAL HAVE STANDARD METAL ENDWALLS PROPERLY SECURED TO THE ENDS OF THE CHILVERT THE SIZE AND FLEVATION OF THE CHILVERT SHALL B SUCH AS ARE ESTABLISHED BY THE PUBLIC WORKS DIRECTOR. BUT NOT LESS THAN TWELVE (12) INCHES IN DIAMETER. THE CULVERT SHALL CONFORM TO SECTION 521 OR 530 AND SHALL BE INSTALLED PURSUANT TO SECTION 520 OF THE STATE OF WISCONSIN D.O. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THERE SHALL BE A MINIMUM OF SIX (6) INCHES OF GRAVEL OR CRUSHED STONE ABOVE THE CULVERT AS A TRAFFIC BEARING SURFACE PRIOR TO AND SUBSEQUENT TO THE INSTALLATION OF SUCH CULVERT, . CULVERT AND ELEVATION OF THE SAME SHALL BE INSPECTE BY DULY AUTHORIZED PERSONNEL OF THE VILLAGE OF CALEDONIA. INSTALLATION SHALL BE AT THE COST OF THE APPLICANT. REPLACEMENT CULVERTS ARE INSTALLED BY THE VILLAGE OF CALEDONIA, THE COST OF INSTALLATION IS SPLIT BETWEEN THE PROPERTY OWNER AND

3. ALL VEGETATION, TREES AND SHRUBBERY SHOULD BE CUT BACK TO PROVIDE A MINIMUM OF 13.5 FEET OF VERTICAL CLEARANCE FROM THE EDGE OF THE DRIVEWAY. 4. ALL VEGETATION, TREES AND SHRUBBERY SHOULD BE CUT BACK TWO FEET FROM THE EDGE OF THE DRIVEWAY TO PROVIDE HORIZONTAL 1. Set posts and excavate a 4" x 4" 2. Staple wire fencing (optional) to trench upslope along the line Attach the filter fabric to 4. Backfill and compact the the wire fence and extend it into the trench wire into the trench SILT FENCING EC2.DWG

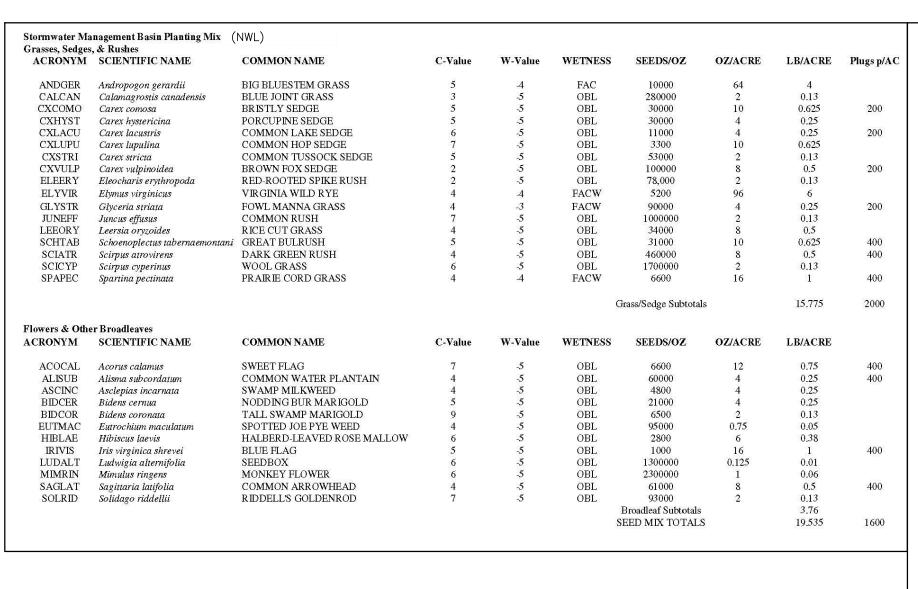


WDNR July 2018

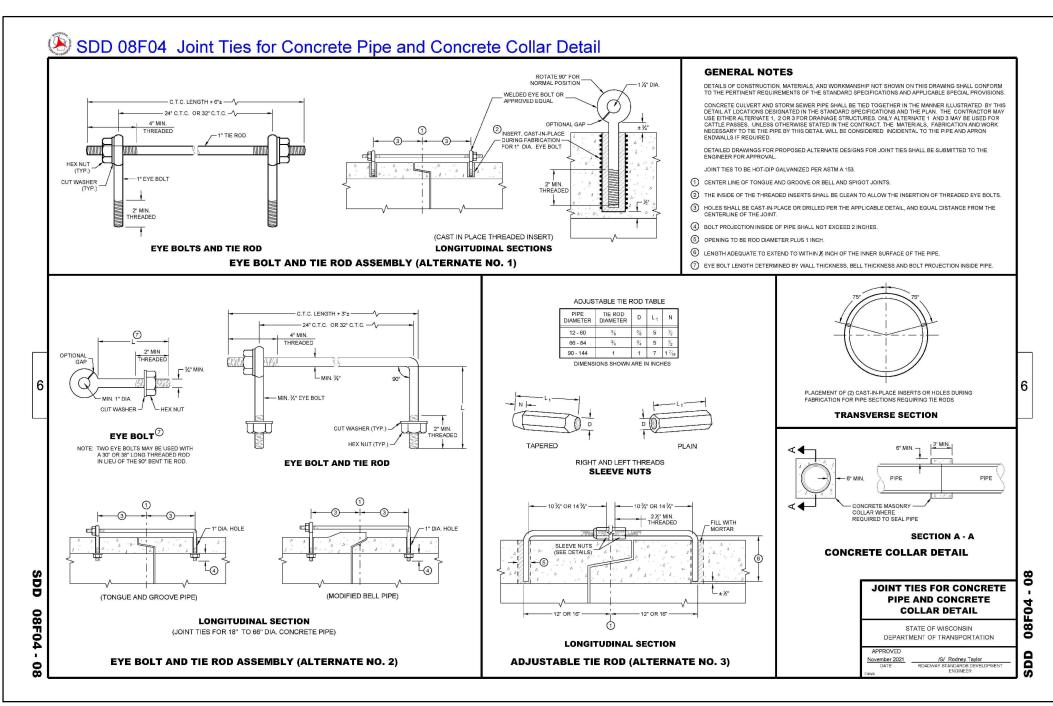


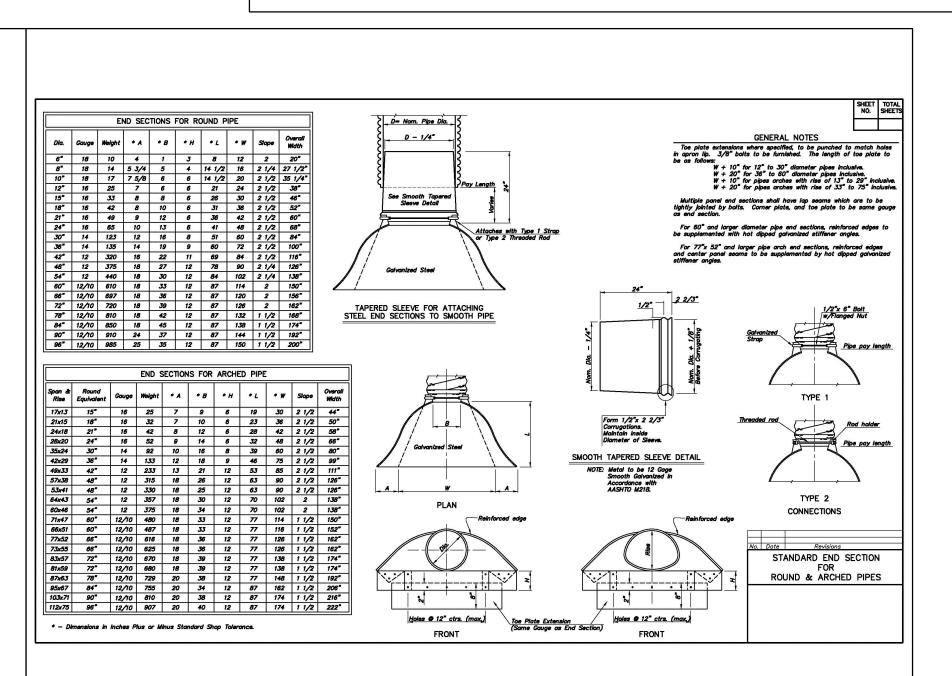
1. PRECAST CONC. FLARED END SECTIONS

PIPE USED.



ACRONYM	SCIENTIFIC NAME	COMMON NAME	C- Value	WETNESS	SEEDS/OZ	OZ/ACRE	LB/AC
AVESAT	Avena sativa	OATS				640	40
Grasses Species	í						
ACRONYM	SCIENTIFIC NAME	COMMON NAME	C-Value	WETNESS	SEEDS/OZ	OZ/ACRE	LB/AC
BOUCUR	Bouteloua curtipendula	SIDE-OATS GRAMA	8	UPL	6000	192	12
ELYCAN	Elymus canadensis	CANADA WILD RYE	4	FAC	5200	16	1
PANVIR	Panicum virgatum	SWITCH GRASS	5	FAC	14000	4	0.25
SCHSCO	Schizachyrium scoparium	LITTLE BLUESTEM GRASS	5	FACU	15000	96	6
					ass/Sedge Subto	tals	19.2
lowers & Othe	r Broadleaves						
	SCIENTIFIC NAME	COMMON NAME	C-Value	WETNESS	SEEDS/OZ	OZ/ACRE	LB/AC
ALLCER	Allium cernuum	NODDING WILD ONION	7	FAC	7600	3	0.13
AMOCAN	Amorpha canescens	LEAD PLANT	9	UPL	16000	1	0.0
ASCTUB	Asclepias tuberosa	BUTTERFLY WEED	7	UPL	4300	3	0.1
BAPALB	Baptisia alba	WHITE WILD INDIGO	8	FACU	1700	4	0.2
CHAFAS	Chamaecrista fasciculata	PARTRIDGE PEA	5	FACU	2700	3	0.13
CORPAL	Coreopsis palmata	PRAIRIE COREOPSIS	6	UPL	10000	4	0.2
DALPUR	Dalea purpurea	PURPLE PRAIRIE CLOVER	9	UPL	15000	3	0.13
ECHPAL	Echinacea pallida	PALE PURPLE CONEFLOWER	8	UPL	5200	4	0.2
ECHPUR	Echinacea purpurea	PURPLE CONEFLOWER	3	UPL	6600	4	0.2
HELHEL	Heliopsis helianthoides	FALSE SUNFLOWER	5	UPL	6300	4	0.2
LESCAP	Lespedeza capitata	ROUND-HEADED BUSH CLOVER	4	FACU	8000	4	0.2
MONFIS	Monarda fistulosa	WILD BERGAMOT	4	FACU	70000	1	0.0
PARINT	Parthenium integrifolium	WILD QUININE	8	UPL	7000	2	0.12
PENDIG	Penstemon digitalis	FOXGLOVE BEARD TONGUE	4	FAC	130000	3	0.13
POTARU	Potentilla arguta	PRAIRIE CINQUEFOIL	9	FACU	230000	0.25	0.0
PYCTEN	Pycnanthemum tenuifolium	SLENDER MOUNTAIN MINT	7	FAC	220000	0.25	0.0
RATPIN	Ratibida pinnata	YELLOW CONEFLOWER	4	UPL	30000	2	0.13
RUDFUS		nt SHOWY BLACK-EYED SUSAN	8	FACW	27100	4	0.25
RUDHIR	Rudbeckia hirta	BLACK-EYED SUSAN	1	FACU	92000	4	0.2
SOLJUN	Solidago juncea	EARLY GOLDENROD	5	UPL	290000	0.25	0.0
SOLRIG	Solidago rigida	STIFF GOLDENROD	4	FACU	41000	0.25	0.0
SYMERI	Symphyotrichum ericoides	HEATH ASTER	5	FACU	200000	0.25	0.0
SYMLAE	Symphyotrichum laeve	SMOOTH BLUE ASTER	9	UPL	55000	1	0.00
SYMOOL	Symphyotrichum oolentangie		8	UPL	80000	ī	0.00
TRAOHI	Tradescantia ohiensis	COMMON SPIDERWORT	2	FACU	8000	3	0.18
VERSTR	Verbena stricta	HOARY VERVAIN	4	UPL	28000	2	0.12
ZIZAUR	Zizia aurea	GOLDEN ALEXANDERS	7	FAC	11000	2	0.1
		and the same of th	•		Forbs Subtotals		3.9
					ED MIX TOTA		23.1





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PROJECT

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MEMORANDUM

anthory Bunkelnar

DATE: Thursday, February 27, 2025

TO: Caledonia Utility District

FROM: Anthony A. Bunkelman P.E.

Public Services Director

RE: Municipal Water Request – Bel Mar Avenue

BACKGROUND INFORMATION

Carla Coleman of 6126 Bel Mar Avenue has made a request for municipal water for her home. The reason for this request is because initially when Ms. Coleman inquired about rebuilding her home, she was informed that she needed to extend the municipal watermain. To avoid extending the municipal watermain, her general contractor proposed to save a portion of the existing home making the construction an addition instead of new construction. During construction of the addition, the portion of the home that was saved was determined that it was not viable to save and was removed. Essentially voiding an addition and making it a new construction. At that time the general contractor for the home was then directed that the municipal watermain needed to be extended. Ms. Coleman and her general contractor hired Nielsen Madsen & Barber to develop watermain extension plans.

In the meantime, the neighbor to the East, Dustin Young inquired about razing and building a new home on that lot. Mr. Young has also been informed that the municipal watermain is required to be extended. The plans from Nielsen Maden & Barber were then updated to include Mr. Young's lot as well.

The municipal watermain plans developed by Ms. Coleman & Mr. Young were approved for construction and privately bid. The cost of the work was \$127,180. Ms. Coleman is responsible for \$76,018.84 and Mr. Young is responsible for \$51,161.16. Ms. Coleman has now expressed that she cannot afford to install the watermain.

After meeting with Ms. Coleman, it was discussed that if watermain was installed along Bel Mar Avenue from Short Road to Park Ridge Drive her portion of the cost should be less. To start this process Ms. Coleman made the request for municipal water and a water survey was sent to all of the affected properties.

Municipal Watermain is located on Short Road and could easily be extended along Bel Mar Avenue to Park Ridge Drive. The Utility District will not extend municipal water without lot owner buy in. To gauge the interest of installing municipal watermain, a letter and survey was sent out to the 21 lot owners.

Overall, 71% (15 of 21) of the Bel Mar Avenue owners responded to the survey. Of the responses received 73% (11 of 15) were No, 27% (4 of 15) were Yes. Overall, 52% (11 of 21) are No responses.

RECOMMENDATION

Move to respond to the petitioner that the Caledonia Utility District will not install watermain along Bel Mar Avenue at this time due to a lack of support from the affected owners.

						Response
104-04-22-25-138-000	Carla Stirle	6126 Bel Mar Avenue	Caledonia	WI	53402	No
104-04-22-25-137-000	L2L RE LLC	P.O. Box 747	Oak Creek	WI	53154	Yes
104-04-22-25-136-000	Daniel & Kristi Moriarity	6100 Bel Mar Avenue	Caledonia	WI	53402	
104-04-22-25-135-000	Matthias Koehler	6030 Bel Mar Avenue	Caledonia	WI	53402	
104-04-22-25-134-000	Dennis & Paulette McNeely	6018 Bel Mar Avenue	Caledonia	WI	53402	No
104-04-22-25-133-000	Grant Peterson	6006 Bel Mar Avenue	Caledonia	WI	53402	
104-04-22-25-131-000	Cindy Makofski	5928 Bel Mar Avenue	Caledonia	WI	53402	No
104-04-22-25-130-000	John Koeppen & Barbara Corning	5913 Bel Mar Avenue	Caledonia	WI	53402	No
104-04-22-25-129-000	Jesse & Blanca Helfenstein	5910 Bel Mar Avneue	Caledonia	WI	53402	No
104-04-22-25-128-000	Sean & Brigit Crawford	5824 Bel Mar Avenue	Caledonia	WI	53402	No
104-04-22-25-127-000	Sean E & Briget Crawford Trust	5824 Bel Mar Avenue	Caledonia	WI	53402	No
104-04-22-25-141-000	Michael Wynhoff	7219 147th Avenue	Kenosha	WI	53142	RTS
104-04-22-25-142-000	Erik & Ashlee Nelson	6123 Bel Mar Avenue	Caledonia	WI	53402	Yes
104-04-22-25-144-000	Robert Jr & Lynette Lewens	6101 Bel Mar Avenue	Caledonia	WI	53402	No
104-04-22-25-145-000	Cody Speaker	6031 Bel Mar Avenue	Caledonia	WI	53402	
104-04-22-25-146-000	Teddy & Claudia Marquardt	6019 Bel Mar Avenue	Caledonia	WI	53402	No
104-04-22-25-147-000	Gary & Kathleen Aschebrock	6007 Bel Mar Avenue	Caledonia	WI	53402	No
104-04-22-25-148-000	Dorothy Waterloo	5937 Bel Mar Avenue	Caledonia	WI	53402	No
104-04-22-25-149-000	Richard & Bozena Konecko	1710 Newberry Lane	Caledonia	WI	53402	
104-04-22-25-150-000	Kenneth & Cheryl Tucker	5915 Bel Mar Avenue	Caledonia	WI	53402	Yes
104-04-22-25-152-000	Kenneth & Cheryl Tucker	5935 Bel Mar Avenue	Caledonia	WI	53402	Yes

		Overall Responses	71%
Total Properties	21		
Total Responses	15	No Responses	73%
		No Overall	52%
No Response	11		
Yes Response	4	Yes Responses	27%
		Yes Overall	19%